

**3.5.1. Number of MoUs, collaborations / linkages for Faculty exchange, Student exchange, internship, field project, on-the-job training, research and other academic activities during the last five years**

Sl No	Name of the MoU / Collaboration / linkage	Name of the collaborating agency / institution / industry / corporate house with whom the MoU / collaboration / linkage is made, with contact details	Year of signing MoU / collaboration / linkage	PAGE NO
1	Seminars / Events	IDP Education Pvt. Ltd. Bengaluru Mohammed Imran Email: info.bangalore@idp.com 9886311588	2021-22	8 TO 19
2	Quality training in Data Science, Big Data, AI, ML, CC, IoT & Software Development	SST Technologies 944, 16th Cross Rd, 1st Stage, Kumaraswamy Layout, Bengaluru, Karnataka 560078. Dr. Sreenivasa info@ssttech.in 7975063136	2019-20	20 TO 49
3	Workshops / Internships/ Technical Talks / SDP / FDP	Karunadu Technologies Pvt. Ltd. #17, ATK complex,4th Floor, Acharya college main road, beside Karur Vysya bank, Guttebasaveshwara nagar, Chikkabanvara, Bengaluru, Karnataka 560090, Mahesh Deginal runadutechnologies@gmail.com 9964823646 9964823646	2020-21	50 TO 76
4	Enhance Entrepreneur / Workshops / Trainings on Entrepreneurship Development, Establish Startups, Placement	Manyathy Business Solutions 880, 2nd cross, 5th stage, Rajarajeshwari Nagar, Bengaluru-560056, India, Akhil M R info@manythy.com 98861 68884	2021-22	77 TO 91
5	Quality training in Data Science, Big Data, AI, ML, CC, IoT & Software Development	ParvaM ConsulTech Pvt. Ltd. #117, Hesarghatta Main Rd, New Extension, Chikkabanavara, Bengaluru, Karnataka 560090.	2019-20	92 TO 110
6	Projects / Internships / R & D Projects	Acranton Technologies Pvt. Ltd. Gangadhara Kalyana Mantapa, Kereguddadahalli, Chikkabanavara, Somashetti Halli, Karnataka 560090 Chandana L S info@acranton.com 9739731771	2019-20	111 TO 124
7	Technical training/Internship/Placement / Seminar / Workshops / FDP	Chira Information Technologies #2934 & 2935, 2nd floor "ARERANGA COMPLEX" Vijayanagar club road, Vijayanagar Bengaluru-560040 Malathi B N Email: raghu@charit.com 080-41270234	2019-20	125 TO 133

  
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8	Education fair / Seminars / Overseas Studies	<b>IDP Education</b> Branch office at MEU Square, 3rd Floor, Opp. Brand factory, Bannerghatta Main Road, J.P Nagar 4th Phase, Bengaluru 560076 Tel. No. 91 80 44118888	2018-19	134 TO 141
9	Awareness Program / Skill Development / Entrepreneurship / Udyog Mela's	Karnataka Small Scale Industry Association #2/106, 17th Cross, Magadi Chord Road, 2/106, Service Rd, Vijayanagar, Bengaluru, Karnataka 560040	2017-18	142 TO 154
10	Seminar / Workshop / Training partner for below technologies - ML, Full stack development, Android development, Cyber Security, Data Analysis, Web scraping	Mevi Technologies LLP Opposite of check posvidyanagar, sira madhugiri main road badavanahalli OMU1, madhugiri, tumkur, Karnataka, india-572112 Vijay B R www.mca.gov.in	2022-23	155 TO 185
11	Internships / Projects	Technofly Solutions #792/E, 1st Cross, 3rd A Main Rd, near TTMC bus stop, Hosahalli Extension, Vijayanagar, Bengaluru, Karnataka 560040 096634 76586	2022-23	186 TO 192
12	Workshops / Student Development Programs / Seminars / Bootcamps and Hackathons	Supraja technologies Door no.11-9-18, 1st floor, majjivari street, kothapeta, Vijayawada-520001 Santhosh Chaluvdi Phone No:+91 9550055338	2022-23	193 TO 206
13	Workshops / Internships / Certifications / Placements / Core job oriented training / Real time projects Industry visits	SkillDzire Technologies private limited Bizness Square 16,HITEC City,Hyderabad,Telangana-500081 info@skilldzire.com	2021-22	207 TO 225
14	Quality training in Data Science, Big Data, AI, ML, CC, IoT & Software Development	ParvaM ConsulTech Pvt. Ltd. #117, Hesarghatta Main Rd, New Extension, Chikkabanavara, Bengaluru, Karnataka 560090.	2019-20	226 TO 239

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15	Workshops / Internships/ Technical Talks / SDP / FDP	Karunadu Technologies Pvt. Ltd. #17, ATK complex,4th Floor, Acharya college main road, beside Karur Vysya bank, Guttebasaveshwara nagar, Chikkabanvara, Bengaluru, Karnataka 560090, Mahesh Deginal runadutechnologies@gmail.com 9964823646 9964823646	2020-21	240 TO 247
16	Enhance Entrepreneur / Workshops / Trainings on Entrepreneurship Development, Establish Startups, Placement	Manyathy Business Solutions 880, 2nd cross, 5th stage, Rajarajeshwari Nagar, Bengaluru-560056, India, Akhil M R info@manythy.com 98861 68884	2020-21	248 TO 260
17	Quality training in Data Science, Big Data, AI, ML, CC, IoT & Software Development	SST Technologies 944, 16th Cross Rd, 1st Stage, Kumaraswamy Layout, Bengaluru, Karnataka 560078. Dr. Sreenivasa info@ssttech.in 7975063136	2019-20	261 TO 274
18	Seminars/Internship	Livewire #28, HIG, 2nd floor, N V Aecade, 1st cross, 2nd stage, KHB Colony, havanur circle, Basaveshwaranagar, Bengaluru - 560079	2018-19	275 TO 285
19	Skill Development / Internship and Placements	MEDINI TECHNOLOGIES #2943/E,3rd Floor, 40, Service Rd, opposite Maruthi Mandira, Hosahalli Extension, Vijayanagar, Bengaluru, Karnataka 560040 Contact:096067 81005	2022-23	286 TO 293
20	Research & development/Industrial Visit/Seminar/Workshop/Conference	Construction management training institute(CMTI) 4th floor, 177/1, 7th B Main Rd, Jaya Nagar 1st Block, Jayanagar 3rd Block, Jayanagar, Bengaluru, Karnataka 560011. 088844 21414	2021-22	294 TO 307
21	Internship/Industrial Visit/Seminar/Workshop/Conference	Reliable Consultants and Construction, #699/E, 3rd Floor, Maralingappa Complex, 2nd stage,11th Block, Nagarabhavi layout,	2021-22	308 TO 327
22	Internship/Industrial Visit/Seminar/Workshop/Conference	Aakruthi engineers and builders,No28, 8th cross, Shivanandanagara, Moodalapalya, Vijayanagara, Bangalore-560062,8880331224	2021-22	328 TO 343
23	Internship/Industrial Visit/Seminar/Workshop/Conference	Shikhar builders and contractors, Krishnanagara, 2nd stage, Panadavapura-Mandya-571434	2021-22	344 TO 355

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24	Internship/Industrial Visit/Seminar/Workshop/Conference	AMD Electricals and constructions,Krishnanagara, 2nd stage, Panadavapura-Mandya-571434,7795803040,Email.id:amdelectricals6@gmail.com	2021-22	356 TO 367
25	Internship/Industrial Visit/Seminar/Workshop/Conference	Amaregouda design and build PVT Ltd 2nd Floor, above lenskart, Dr. Shivaramkaranth Nagar, M.C.E.C.H.S. Layout 1st Phase, RK Hegde Nagar, Bengaluru, Karnataka 560077	2021-22	368 TO 381
26	Internship/Industrial Visit/Seminar/Workshop/Conference	Kodanada Ramu Civil and Electrical contractor,PWD, Class 1 contractor, Tumkur.	2021-22	382 TO 393
27	Research & development/Industrial Visit/Seminar/Workshop/Conference	Sree Aaditri consultancy and engineering works,#180,4th main, M S Ramaih Enclave, 8th mile stone, Nagasandra post,Bengaluru-560073,Ph.no: 9743123203, Email.id:anrao2005@gmail.com	2020-21	394 TO 406
28	Awareness Program / Skill Development / Entrepreneurship / Udyog Mela's	Karnataka Small Scale Industry Association #2/106, 17th Cross, Magadi Chord Road, 2/106, Service Rd, Vijayanagar, Bengaluru, Karnataka 560040	2017-18	407 TO 418
29	Internship/Industrial Visit/Seminar/Workshop/Conference	Kites Construction Academy, Vidyanayapura-Bengaluru-560097 063612 26167	2017-18	419 TO 425
30	Seminar/Workshop/Conference	ZAK Consultant,81/B, 17th E Main Rd, 6th Block, Koramangala, Bengaluru, Karnataka 560095	2018-19	426 TO 434
31	Employable skill development/Internship/Training institute	Synergy School of Business Skills,#28,HIG,2nd Floor, NV Arcae, 1st Cross, 2nd Stage, KHB Colony, Havanur Circle, Basaveshwara nagara, Bangalore-560079, 080-41225536, E-mail: ka.basveshwaranagar@synergysbs.co.in	2018-19	435 TO 443
32	Industrial Training	Academy of Concrete Technology #72, CH Building,2nd A main, 60 Feet Rd, Mallathahalli, Bengaluru, Karnataka-560056	2022-23	444 TO 459
33	Industrial Visit /Guest Lectures/ Knowledge Enhancement Program / Internship & Training	Vishnu Forge Industries CO1 & CO2, HMT Industrial estate, Jalahalli Post, Bengaluru, 560013 Contact: 099453 37731	2021-22	460 TO 464

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34	Skill Development / Internship and Placements	<b>MEDINI TECHNOLOGIES</b> #2943/E,3rd Floor, 40, Service Rd, opposite Maruthi Mandira, Hosahalli Extension, Vijayanagar, Bengaluru, Karnataka 560040 Contact:096067 81005	2022-23	465 TO 474
35	Industrial Visit /Seminar/Projects/Workshops/Industry Awareness Program/ Knowledge Enhancement Program / Internship & Training/FDP	Govt Tool room and training centre Rajajinagar Industrial Estate, Bangalore - 10 Phone: 23152118, 23152119, 23157189	2020-21	475 TO 494
36	Industrial Visit /Guest Lectures/Works hops/Quiz competitions/Industry Awareness Program/ Knowledge Enhancement Program / Internship & Training/FDP	Cadmaxx Solutions Pvt Ltd #2095, 2nd floor, 9th Cross, 5th Main Rd, RPC Layout, Vijayanagar, Bengaluru, Karnataka 560040 contact :097398 66634	2018-19	495 TO 500
37	Industrial Visit /Guest Lectures/Works hops/Quiz competitions/Industry Awareness Program/ Knowledge Enhancement Program / Internship & Training/FDP	Bureau of Indian Standards, Opposite Jalahalli Metro, Peenya Industrial area 1st stage, Tumkur road, Vivekananda nagar, Peenya, Bangalore 560058 080 2839 4955	2022-23	501 TO 518
38	Intellectual Property Rights	Karnataka State Council for Science and Technology 2H79+FMG, Near J.N. Tata Auditorium, Indian Institute of Science Campus, Bengaluru, Karnataka 560012 Hemanth Kumar, Executive Secretary 080 2334 1652	2022-23	519 TO 533

39	Skill Development/trainings/Placements/R &D Services/FDP/Guest lectures	3N ELECTRONICS #4,PART,KIADB INDUSTRIAL AREA, Satyamangala,Tumakuru,Karnataka-572104	2021-22	534 TO 554
40	AICTE Activity Points/Field Visits/Activities	LGS TRUST No.126,1st Floor,Adari,7th Cross,2nd Main, Hoysalanagar,Sunkadakatte,Bengaluru-560091	2021-22	555 TO 568
41	Industrial Visit /Seminar/Projects/Workshops/Industry Awareness Program/ Knowledge Enhancement Program / Internship & Training/FDP	Govt Tool room and training centre Rajajinagar Industrial Estate, Bangalore - 10 Phone: 23152118, 23152119, 23157189	2020-21	569 TO 588
42	Placement/internship/SDP	LIVEWIRE #28,H.I.G 2nd floor,N.V Arcade,1st Cross,2nd Stage KHB Colony,Havanur Circle,basaveshwaranagar,Bangalore-560079. Ph:080-65702005	2018-19	589 TO 595
43	Tech Talk on Industrial Technologies, workshops, student projects, internships, industrial visit, consultancy	Mcore Tech Academy Pvt.Ltd, #10/107,Chenna Nayakana Palya,Near Subramanya Temple, Nagasandra post,Bangalore-560073	2022-23	596 TO 608
44	Training/ Internship/SDP	3N ELECTRONICS #4,PART,KIADB INDUSTRIAL AREA, Satyamangala,Tumakuru,Karnataka-572104	2021-22	609 TO 617
45	TechnicalTalk/Sessions/Visits/Workshops/Projects /Research activities	UTL Technologies Ltd, #19/6, Ashokpuram School road, Industrial Suburban, Yashwanthpura, Bangalore- 22 080-23472171/72 info@utltraining.com	2021-22	618 TO 635
46	Conferences (International and National)	IFERP, Rais Towers, Anna Nagar, Chennai, Tamil Nadu- 600040, India 44-49589038	2021-22	636 TO 655
47	Internships/trainings/Placements /Workshops/ FDP/Guest lectures	Chira Information Technologies #2934 & 2935, 2nd floor "ARERANGA COMPLEX" Vijayanagar club road, Vijayanagar Bengaluru- 560040 Malathi B N Email: raghu@charit.com 080-41270234	2019-20	656 TO 678

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48	Workshops/trainings/Placements	<b>JETKING</b> #13, 2nd floor, opp. Bharat Petroleum, Sankey Road, Sadashivnagar Circle, Bengaluru - 560080 080-23614448, 080-23618691	2018-19	679 TO 692
49	Training/ Internship/SDP	<b>LIVEWIRE</b> #28,H.I.G 2nd floor,N.V Arcade,1st Cross,2nd Stage KHB Colony,Havanur Circle, basaveshwaranagar, Bangalore-560079. Ph:080-65702005	2018-19	693 TO 705
50	Online trainings	Millenials Training (Genesis Training) #8B, Vandana Arcade, 27th cross, 4th block, Jayanagar, Bangalore-11 Varun Gowda - 096634 99399	2020-21	706 TO 713

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## MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING ("MOU") is made **on this day 13<sup>th</sup> Nov 2021,**  
BY AND BETWEEN IDP Education India Pvt Ltd and RR Institute of Technology.

IDP Education India Pvt Ltd (IDP India) one of the wholly owned subsidiary of IDP Education Ltd, which represents over 400+ education institutions globally and is a proud co-owner of IELTS Examination - the world's leading English proficiency test along with the British Council and the University of Cambridge (ESOL Examinations). IDP India has its Regd office presence at 204-205, 1st Floor, Excellency Building, Papanna Street St. Mark's Road Bengaluru, Karnataka 560001 and Corporate Office at Global Gateway Towers, 6th Floor, Sector 26, M.G. Road, Sikanderpur Ghosi, Gurgaon - 122002.

R R Institutions, setup with a mission of imparting education to all sections of society, was established in the year 1993 to render highest standards of academic achievement with moral and social commitments. Ideally located away from the huzzle and buzzle of Bangalore city, R R Institutions spread across 27 acres with lush green gardens, for getting a peaceful and serious learning atmosphere, now ushering into Greater Bangalore, being the Head Quarter of Karnataka State, connected by air, rail and roads with all major metropolitan cities of India.

IDP Education India Pvt Ltd, represented by Ms Pranitha Palani, authorized representative of the organization'.

AND

RRIT represented by Pranitha Palani representative of the organization'.

IDP India & RRIT are hereafter referred to individually as "Party" and collectively as "Parties".

### 1. PREAMBLE

IDP India helps international students gain admission to various Education institutions in the main English-speaking countries through its various offices and offers Services that include personalized course advice, course application submission and pre-departure guidance.

RRIT Ventures is a leading Educational organization that has shown readiness to collaborate with IDP India for promoting the overseas studies & to provide all required infrastructure & facilities for running & conducting the various Seminars/ Events from time to time throughout the whole academic year as and when required.

NOW THEREFORE in consideration of the foregoing & mutual covenants and promises contained

Corporate Office - Gurgaon Second Floor 61 Chimes Sector - 44 Gurgaon 122003 India  
Tel.: 91 122 4118888  
New Delhi Suite Nos. 610-616, 510-513 Sixth  
& Fifth Floor Int'l Trade Tower Nehru Place New Delhi 110019 India Tel.: 91 11 44118888  
IDP Presence in India Ahmedabad • Amritsar • Bangalore • Bathinda • Chandigarh • Chennai • Coimbatore  
• Gurgaon • Hyderabad • Indore • Jaipur • Jalandhar • Kochi (Cochin) • Kolkata • Lucknow • Ludhiana  
• Mangalore • Mumbai • Nagpur • Pune • Surat • Thane • Tevandrum • Vadodara • Vijayawada • Vizag  
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PROUD CO-OWNER OF IELTS

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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



1. It is agreed between the parties that IDP India & RRIT shall work together on a non- exclusive basis for the purpose mentioned above.

2. Role & responsibilities of each party will be as under:

**Role & Responsibilities of IDP India:**

- Conducting mini education fair once a year where best of US, UK, New Zealand, Ireland, Canada and Australia Universities/institutes representatives will participate subject to their availability.
- Conducting various Seminars pertaining to advantages of Overseas Studies.
- Inviting students designated by RRIT to all education fairs anywhere in Punjab or Chandigarh.
- Inviting students designated by RRIT for all relevant value-added activities being conducted through IDP India.
- Providing promotional creatives/posters to RRIT to the best of its abilities to use as collaterals for various events.

**Role & Responsibilities of RRIT**

- Allow students of RRIT to attend the various events/Seminars organized by IDP India.
- To render all required support to IDP India in conducting events Non-financial in nature.
- To arrange & provide required infrastructure & facilities like:
- Permission to post IDP India event posters in school & hostel premises.
- Dedicated notice board / space in common notice board in school & hostel premises.
- Permission for using classroom/ Seminar hall (typically 1-2 times a semester during post-school hours for conducting Events/ Seminar/ one to one session) (Depending upon availability in College) \*. The school reserves the right to grant the permission for entry in the auditorium and school premises exclusively (the school whose premises will be used)
- Provide LCD Projector (if possible).
- Tables & Chairs.
- RRIT will not bear any financial liability for conducting any of these programs.

All programs conducted by IDP should be exclusively for only students designated by RRIT. Other students will not be invited/involved.

### 3. Term of MOU:

This MOU comes into force from the day of signing by the last party. The term of this MOU **one (1) year from the** last party signing hereof. Either party may terminate this MOU by giving thirty (30) days prior written notice to the other party.

### 4. Relationship Between the Parties

This MOU does not deem to establish a permanent relationship between the parties except to the terms of this contract.

Also, this MOU is non-commercial in nature and entered between the said parties purely for Academic purposes benefitting the Students as designated by RRIT. It is mutually agreed between both the parties that they will not charge the Students any form of fees, service charges, etc for offering their services and support to the Students.

RRIT shall not directly or indirectly involve itself in any student counselling activity in respect of recommending and/or canvassing any foreign University/Institution to the Students, Parents and Guardian

### 5. Limitation of liability:

Neither party shall be liable for any special, indirect, incidental, punitive, contingent nor consequential loss or damages suffered out of or in connection with the aforesaid MOU whether as a result of a breach of this MOU or otherwise.

### 5. Dispute Resolution:

The parties recognize that a bona fide dispute as to certain matters may from time to time arise during the term of this MOU, which relates to either Party's rights or obligations hereunder. In the event of the occurrence of such dispute, either Party may, by written notice to other Party, have such dispute referred jointly to the authorized representatives of the Parties, or their successors or counterparts, for resolution by good faith negotiations within 15 days after such notice is received in respect of such dispute.

Any party will not sue any concerned or will be sued in any Court of Law for being unable to provide any of the activity, due to any unforeseen circumstances.

All aspects where the above articles of understanding are silent or for special cases of deviation or in case of any dispute arising out of MOU, all such disputes will be resolved mutually and amicably by mutual consultations.

IN WITNESS WHEREOF, the Parties hereto, each acting under due & proper authority have executed this MOU as of the date written above

FOR IDP Education India Private Limited  
Name:



Signature

Date:

**IDP EDUCATION INDIA PVT. LTD**  
No. 8, Excellency Building,  
1st Floor, 203, 204, Papanna Street,  
Off. St. Mark's Road, BANGALORE - 560 001  
Phone : +91 80 44118888  
Email : info.bangalore@idp.com Web: www.india.idp.com


FOR RR Institute of Technology  
Name:



Signature / Stamp

Date:

PRINCIPAL  
R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore-560 090



PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

# Memorandum of Understanding MoU

Certify that the MoU has been signed by and between R R Institute of Technology, Bengaluru and "IDP Education India Pvt Ltd, Bengaluru" on 13<sup>th</sup> November 2021 to promote mutual co-operation as per mandate between both the parties in the event of Industry Institute Interaction.



*Mahendra*  
Signed by:

Dr Mahendra K V  
Principal

Signed by: *Imran*  
for  
Mr Mohammad Imran  
Management Representative

Date: 13/11/2021



PKM Educational Trust ®

## R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka  
Accredited by NAAC with 'B-'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Department of Computer Science & Engineering**

### Chief Patron

**Sri. Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**  
Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**  
Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G.**  
Director QAC - R. R. Institutions

### Chair Person

**Dr. Mahendra K.V.**  
Principal  
RRIT, Bengaluru

### Convener

**Dr. Manjunath R**  
Professor & Head  
Department of CSE

### Organising Committee

**Prof. Shruthi.S**  
Assistant Professor, CSE Department

**Prof. Malashree G**  
Assistant Professor, CSE Department

**Prof. Balaraju G**  
Assistant Professor, CSE Department

**Cordially invites all Students & for**

Awareness Program

On

**“Career Opportunities & Awareness  
on Higher Studies”**

On

29<sup>th</sup> October 2021

### CHIEF GUEST

**Dr. Mahendra K. V.**

Principal  
RRIT, Bengaluru

### GUEST SPEAKER

**Ms. Shashirekha**  
Destination Manager, Australia  
IDP Education, Bengaluru

**Ms. Sharmila**  
Destination Manager, UK  
IDP Education, Bengaluru

*Malashree G.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



# R. R. Institute of Technology

Affiliated to VTU, Belgaum and Approved by AICTE, New Delhi,

Recognized by Govt. of Karnataka

NAAC Accredited

Chikkabanavara, Bengaluru-560090

## Chief patron

**Sri. Y. Raja Reddy**  
Chairman, PKMET  
Bengaluru

## Patron

**Sri. Kiran H. R.**  
Secretary, PKMET  
Bengaluru

**Sri. Arun H. R.**  
Director, PKMET  
Bengaluru

## Administrator

**Prof. Maya Salimath G.**  
Director QAC -R. R. Institutions  
Bengaluru

## Chair person

**Dr. Mahendra K. V.**  
Principal, RRIT  
Bengaluru

## Convener

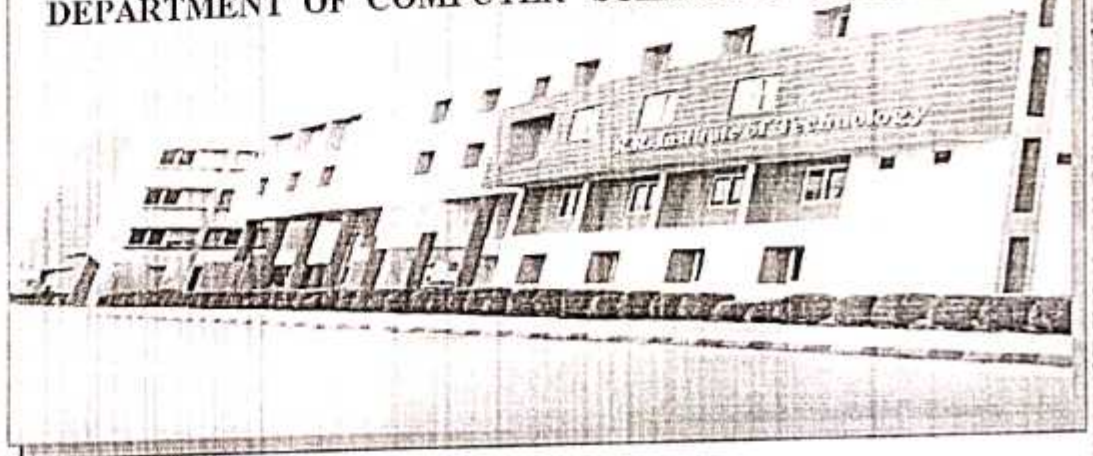
**Dr. Manjunath R.**  
Professor and Head  
Department of CSE

Awareness Program on

**"Career Opportunities & Awareness on Higher Studies "**

Organized by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



## Resource Person

**Ms. Shashirekha**  
Destination Manager, Australia  
IDP Education, Bengaluru

**Ms. Sharmila**  
Destination Manager, UK  
IDP Education, Bengaluru

## Organizing Committee

**Prof. Shruthi.S**  
Assistant Professor  
Department of CSE, RRIT

**Prof. Malashree G**  
Assistant Professor  
Department of CSE, RRIT

**Prof. Balaraju G**  
Assistant Professor  
Department of CSE, RRIT

*Malashree G.*  
PRINCIPAL

DATE : 29th October 2021

TIMINGS : 11.00AM

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

Institute Website: <https://www.rrit.ac.in/>

For Contact

9731553398

Attendance for Feedback for Awareness Program on "Career Opportunities & Awareness on Higher Studies" on 26th October 2021

Sl.No	Name	College Name	Department	Contact Number
1	RAVEENDRA R	R R College Of P	Pharmaceutical chemist	9341223427
2	Saravanan S	Agni College of T	CSE	9894204992
3	Swati	RR institution of t	Ise	7277545786
4	Aurobindo koti	City Engineering	ECE	9876764470
5	Swetha K B	RRIT	Ise	+919986660236
6	Dr M N VIMAL KUMAR	R M D Engineerin	ECE	9944159448
7	Anusha.s	RR institute of tec	cse	7406641144
8	Partho sharothi biswas	R r institution of t	Cse	8618625663
9	Naveed Ahmed	R.R.I.T	CSE	9535328508
10	Anshu kumari h	City engineering c	Electronics and commun	8105100928
11	Divyanshu Kumar	RR INSTITUTE	CSE	6203424172
12	Gayatri Prakash Tajne	Sipna college of E	Information Technology	8308757507
13	Rakshitha H S	RRIT	ISE	6361374819
14	Meghana M R	RR institute of tec	ISE	9686507329
15	Ashesh Krishna Adhika	RR Institute of Te	ISE	9380772922
16	DURGA PRASAD SIN	R R INSTITUTE	ISE	7014660978
17	Nagesh Kumar R	R R INSTITUTE	Mechanical Engineering	8971051279
18	SAPNA SINGH	RR INSTITUTE	CSE	+919136020929
19	DEEPIKA R	R R Institute of Te	Civil	+919880410423
20	Priyadarshini H P	R R institute of Te	Civil	8088098145
21	Elias Ali	RR Institute Of Te	CSE	6002082526
22	ASHOK SKumar	DBIT	CSE	+917892542102
23	ASHWINI R	RR INSTITUTE	CSE	7090997068
24	Tanima Mondal	RR institute of tec	CSE	8348058828
25	Ashwini H	R R institute of tec	Civil engineering	9591476174
26	Naik Padhana	Raja Reddy instit	Basic science	8951863994
27	Nithin k	RRIT	CSE	9900376988
28	Shwetha KR	RR Institute Of T	Basic Science	09844269315
29	Sumanth V	RR Institute of Te	Computer Science & En	9845184928
30	Manjunath R	RRIT	CSE	9901211222
31	Md Arman Khan	RR Institute Of Te	CSE	7739477235
32	Jaya	New Horizon coll	Cse	9632011983
33	Aanand Kumar chaudha	RR institute of tec	CSE	8217626757
34	Dr M Thiyagu	Agni college of Te	Mechanical Engineering	9600137609
35	Gaganashree R	R R Institute of Te	Computer Science	8618157816
36	THEJASWINI D	RRIT	Basic science	9008959778
37	Naveen .M	R R institute of Te	ISE	09986763937
38	Santosh kumar yadav	RR Institutions B	Computer science Engin	+918651862815
39	SANDEEP B T	RRIT	CSE	6362367037
40	Suman kr Dey	RRIT	CSE	9732458960
41	Denwin Davis	RR INSTITUTE	ISE	6361471906
42	Tejashri Manoharrao D	Sipna Collage of I	Information technology	9730471035
43	Anil Kumar Mahato	RRIT	CSE	7795201690
44	Dheeraj K	RR INSTITUTE	Electrical and Electronic	7975942920
45	Chinthana. M	RRIT	ISE	6363173044
46	Bhagyashri gyanagoudr	RRIT	CSE	8088250724
47	DEBOJYOTI MONDA	Rrit	Ise	8945899803
48	Chandan Kortekar	RRIT	CSE	7406244916
49	Kushal e	RR Institute Of Te	ISE	7090080162
50	Harshitha MR	RRIT	CSE	6363559694

*Melaha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Head of Department  
Department of Computer Science  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore

51	Lavanya H S	RR institute of tec	CSE	8217239917
52	Emmanuel Rajarathnan	R R Institute of T	ISE	9845582195
53	MANU D K	K S SCHOOL OF	ELECTRONICS AND C	9845223111
54	Dr.Smitha	RRIT	Ece	08123208653
55	Varun Kumar V G	R. R Institute of T	CSE	7022375427
56	Govardhan K N	City Engineering	Electronics and commu	9036208404
57	ROSHAN KUMAR PA	R. R. INSTITUTI	CSE	8002593082
58	Jayanthi S	Abni College of T	Computer Science and E	8939158077
59	BA Ranganathan	Raja Reddy institu	Civil engineering	8861401063
60	Pavan Kumar B	RR INSTITUTIO	Computer science	7090052770
61	Abhishek Singh	R.R institute of tec	CSE	9113813354

Head of Department  
Department of Computer Science & Engg  
R.R. Institute of Tech  
Hesaraghatta Main Road,  
Chikkabanaswara Bangalore

*M. Lakshmi*  
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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

Date:29/10/2021

## Report for awareness program on "Career opportunities & Awareness on Higher Studies"

29<sup>th</sup> Oct 2021

Department of CSE had conducted a Hands on awareness program on "Career opportunities & Awareness on Higher Studies" for students of Computer Science and Engineering on 29<sup>th</sup> Oct 2021. This webinar was open to other branch students and faculties as well. The Session Started at 11:00 am by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT.

The program was conducted in seminar hall with total number of 61 participants. **Ms. Shashirekha**, Destination Manager, Australia IDP Education, Bengaluru Karnataka and **Ms. Sharmila**, Destination Manager, UK IDP Education, Bengaluru gave one and half an hour awareness program on Career opportunities & Awareness on Higher Studies.

### The program highlights:

- Introduction to Successful and effective career decision making.
- Discussed focuses to ascertain the significance of awareness about selection process in students' career choices.
- Demonstrated the usage significant relationship between awareness of selection and recruitment process and students' career decision making and career choices.
- Demonstrated the usage of career planning and how they would feel comfortable in approaching for career planning.
- Creating awareness of career planning is essential to graduate students to build their future and they are likely to approach their parents first for facilitate with career planning.

*M. Shashirekha*  
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Chikkabanavara, Bangalore - 560 090.



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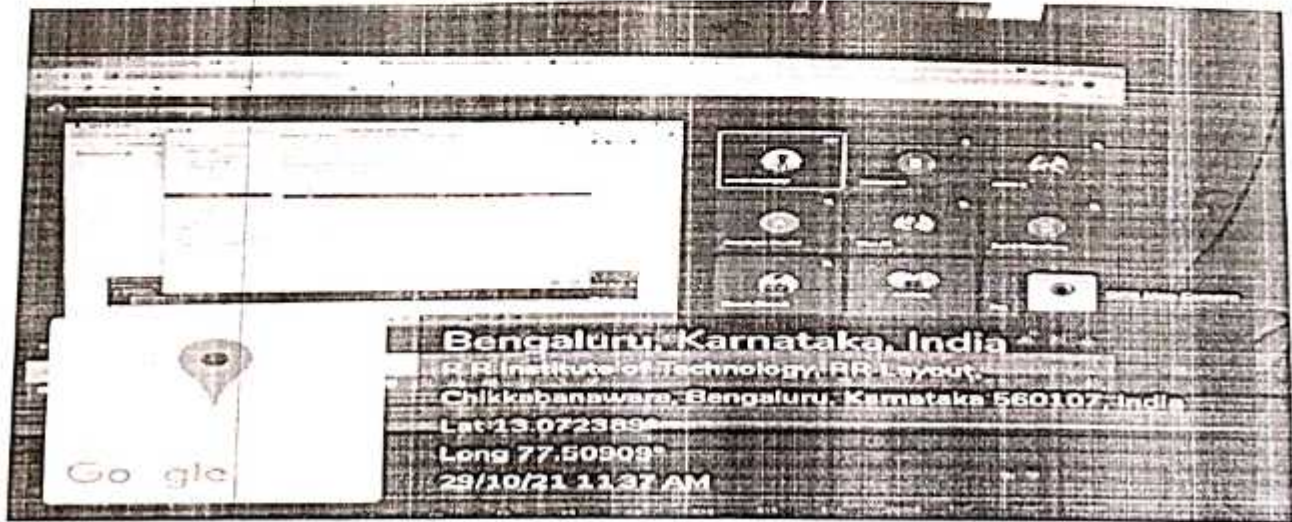
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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

## Gallery awareness program on "Career opportunities & Awareness on Higher Studies" on 29<sup>th</sup> Oct 2021

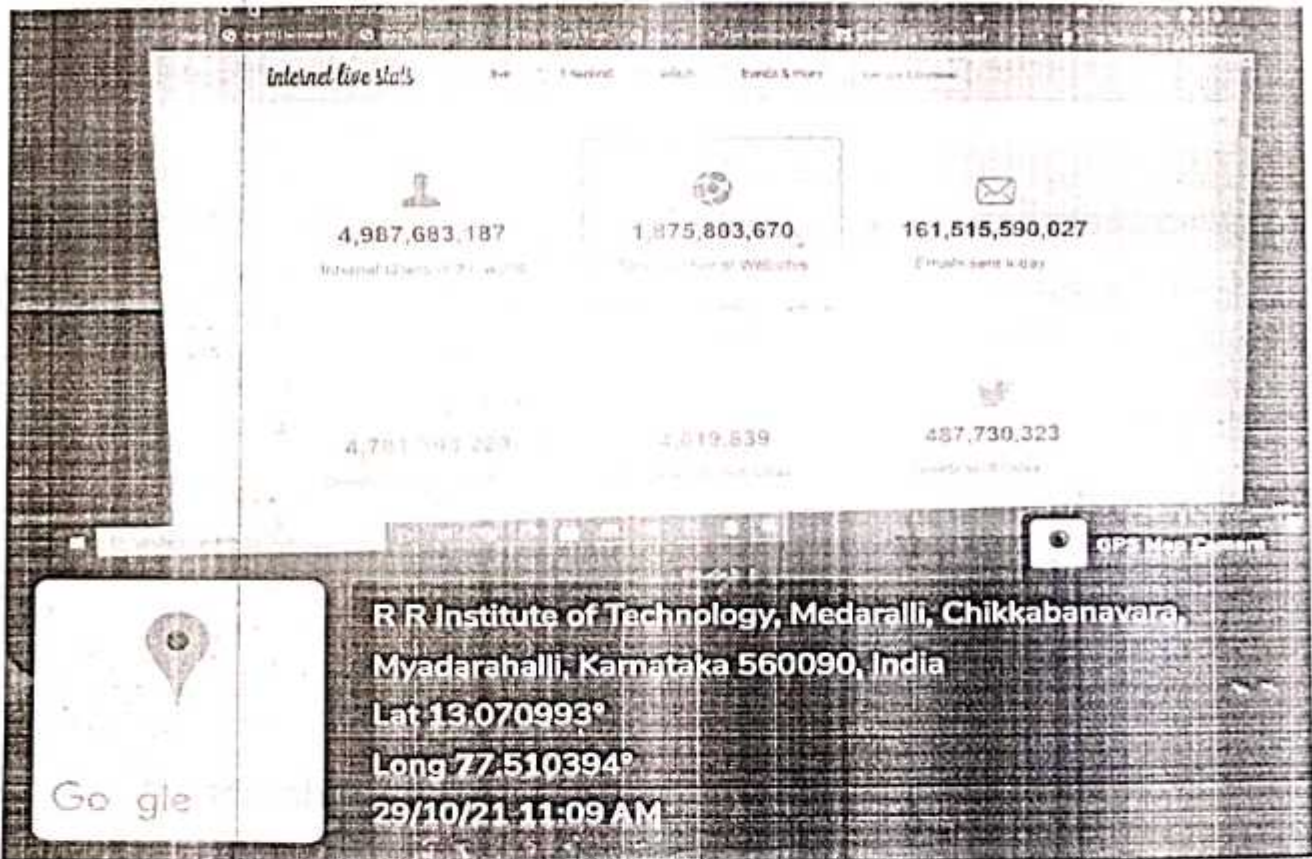
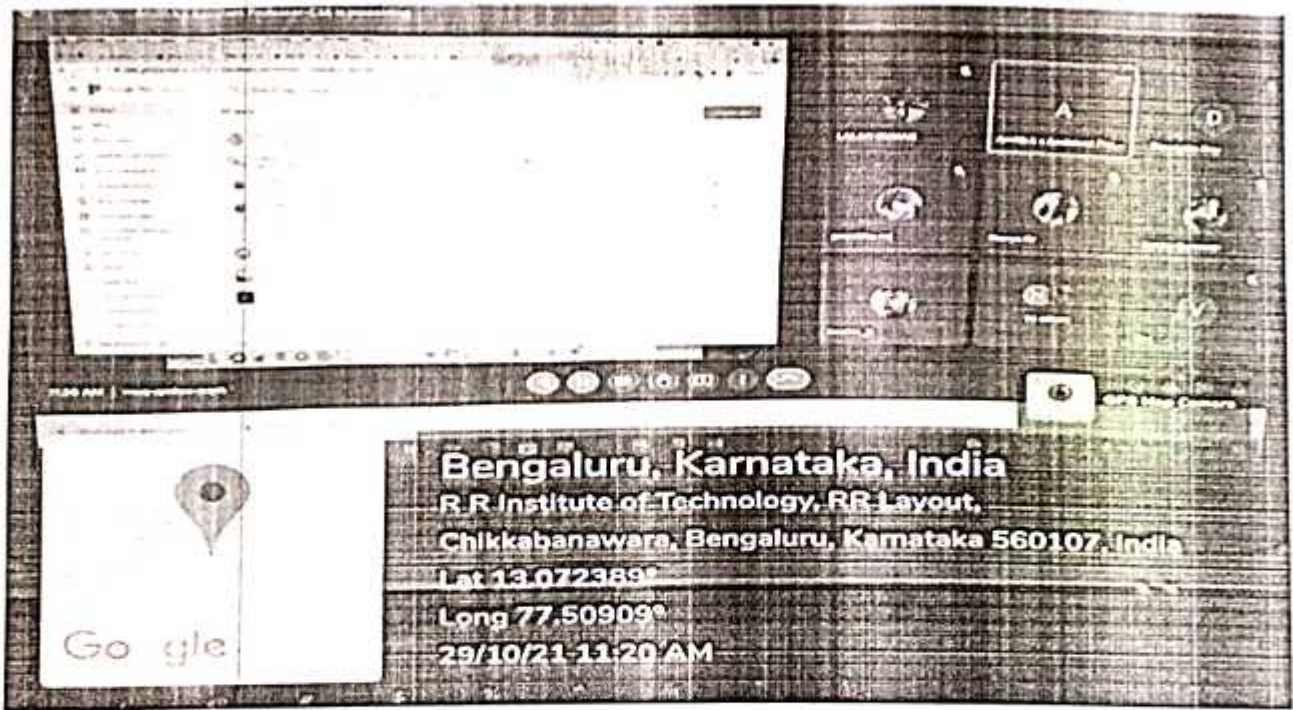


*Melaha*


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 Chikkabanavara, Bangalore - 560 090.

  
 HOD  
 Head of Department  
 Department of Computer Science & Engg.  
**R.R. Institute of Technology**  
 Hesaraghatta Main Road  
 Chikkabanavara, Bangalore

## *Memorandum of Understanding (MoU)*

*BETWEEN*

*Department of Computer Science & Engineering*

**R.R. Institute of Technology**

Bangalore, Karnataka 560 090

*AND*

**SST Technologies**

Bangalore, Karnataka 560 078

*Date: 10-01-2020*

This Memorandum of Understanding (MoU) is entered amongst Department of Computer Science & Engineering, R.R. Institute of Technology, (hereinafter referred to as "RRIT") the college established in 2008 and having its campus at Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara, Bangalore - 560 090.

And

**SST Technologies** (Hereinafter referred to as "SST Technologies") situated at Bengaluru.

In course of this MoU, both the parties to MoU mentioned above have been individually referred to as "Party" and jointly as "Parties".

WHEREAS, **SST Technologies** under the aegis of the Corporate Sustainability Program (CSP), has identified the need for imparting quality training in the "Data Science, Big Data, Machine Learning, Artificial Intelligence, Cloud Computing, IOT and Software Development" domain to Engineering Students across the Engineering colleges in the country. The main intent behind this initiative is to better equip young Engineering and to increase their awareness and industry connect. Company has taken an initiative to develop certain skills in the new engineering so that they can be productive and able to provide solutions to the real world problems.

  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**AND WHEREAS, R.R. Institute of Technology** strives to serve as a center for fostering co-operation and exchange of ideas between the academic and research community on the hand and the industrial and Governmental employers on the other, and to promote entrepreneurship among the students & to co-operate with industries both in public and private sectors with a view to devising courses of instruction which would meet the requirements of such industries

**AND WHEREAS,** both the parties have expressed a common interest in providing **Industry relevant training, Workshops, Internship, Placement Assistance** to the Engineering students, enhance their awareness, expand their industry connect and in the process, increase their employability.

The parties intend to enter in to this MoU to provide a frame work as per below terms and conditions to evaluate the area of collaboration between them and establish certain rights and obligations between the parties during such evaluation.

### **Terms and Conditions**

1. **SST Technologies** Company imparts training to students and faculty of the college and professionals working in the field during the mutually convenient period either at the institution or at the Industry.
2. Collaborated activities between the industry and the institution include two way transfer of technical information and knowledge through collaborative programs like guest lectures, seminars, symposia and other interactive programs. Deputation of technical experts/staff between the college and company.
3. Provide access to knowledge resources at the institution and the industry. Utilize with consent the laboratory and testing facilities available at the institute/industry for the execution of joint ventures/activities. Provide technical assistance/guidance to UG/PG projects undertaken and research work of mutual interest.
4. Participation in joint research projects of DST, CSIT, CREDEL etc., and public sector units. Participation of joint consultancy. Promote and support Innovative projects undertaken by students and Staff of and **SST Technologies**.
5. **R.R. Institute of Technology** commits to make available the students, professors, training rooms and licensed software on computers /Workstations/ servers during the program as may be required.
6. **SST Technologies** may give the opportunity to the qualified engineering students (who also fulfill the selection criteria set out by HR, **SST Technologies** ) to attend campus interviews however subjected to the recruitment plan/policy of the company.
7. In order to assess the impact of the program on the student's career, company requires details about the student's after graduation in terms of placement and higher-education. The college management agrees to provide this data and all support required to capture this information to company.

  
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8. Proprietary information disclosed by the company in the course of discussions and training under this MoU shall be kept highly confidential. College shall not use company's name or its trademarks or make any reference to the MoU or the program in any manner of publicity without company's prior written consent.
9. **R.R. Institute of Technology** is aware that the business activities of company are self-regulated by the "company Code of Conduct" which is incorporated by reference herein.
10. This MoU is effective from the date of signing and **will remain valid unless terminated by either Party, upon thirty(30) days** written notice to others Parties.
11. It is also agreed upon the MoU does not restrict company to implement the program in the other university/institutes.
12. Neither this MoU nor any negotiations or other understandings prior or pursuant to the execution of the MoU shall constitute a binding and legally enforceable agreement, nor give rise to any liability, between the parties. Notwithstanding the foregoing, however, the provisions of "Confidentiality", "Intellectual Property Rights" and "Term and Termination" shall be binding upon and enforceable in accordance with their terms against the parties and their successors and permitted assigns.

The Parties have caused their respective duly authorized representatives to execute and deliver this Agreement on the date mentioned hereinabove.

**For Dept. CSE RRIT**

Name: *Dr. Manjunath R*

Designation: Professor

Signature: *[Handwritten Signature]*  
10/01/2020

Head of Department  
Department of Computer Science & Engg.  
R.R. Institute of Technology  
Hosurpet, Mandya District,  
Chikkabanaswara, Karnataka

**For SST Technologies**

Name: *Dr. Sreenivasa Reddy*

Designation: Director

Signature: *[Handwritten Signature]*  
10/01/2020

**S S T TECHNOLOGIES**  
No 944, 16th Cross, 1st Stage  
Kumaraswamy Layout,  
BANGALORE-560 078.

*[Handwritten Signature]*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanaswara, Bangalore - 560 090.




Government of India  
Form GST REG-06  
[See Rule 10(1)]

Registration Certificate

Registration Number : 29HERPK4536K1ZN

1.	Legal Name	MARANACHAKANAHALLI SREENIVASA SETTY			
2.	Trade Name, if any	SST TECHNOLOGIES			
3.	Constitution of Business	Proprietorship			
4.	Address of Principal Place of Business	, NO 944, , 16TH CROSS, KUMARASWAMY LAYOUT 1ST STAGE, Bengaluru (Bangalore) Urban, Karnataka, 560078			
5.	Date of Liability				
6.	Period of Validity	From	07/08/2018	To	NA
7.	Type of Registration	Regular			
8.	Particulars of Approving Authority				
Signature		Validity unknown Digitally signed by  GOODS AND SERVICES TAX NETWORK 1 Date: 2018.08.07 00:30:45 IST			
Name					
Designation					
Jurisdictional Office					
9.	Date of issue of Certificate	07/08/2018			
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of application on 07/08/2018.

  
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Chikkabanavara, Bangalore - 560 090.



GSTIN 29HERPK4536K1ZN  
Legal Name MARANACHAKANAHALLI SREENIVASA SETTY KOUSHIK  
Trade Name, if any SST TECHNOLOGIES

**Details of Additional Places of Business**

Total Number of Additional Places of Business in the State 0

*M. S. Srinivasan*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.





GSTIN 29HERPK4536K1ZN  
Legal Name MARANACHAKANAHALLI SREENIVASA SETTY KOUSHIK  
Trade Name, if any SST TECHNOLOGIES

Details of Proprietor

1



Name MARANACHAKANAHALLI SREENIVASA  
Designation/Status PROPRIETOR  
Resident of State Karnataka

*Mahesh*

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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

# Memorandum of Understanding MoU

Certify that the MoU has been signed by and between R R Institute of Technology, Bengaluru and "SST Technologies Pvt Ltd, Bengaluru" on 13<sup>th</sup> November 2021 to promote mutual co-operation as per mandate between both the parties in the event of Industry Institute Interaction.



*Mahendra*  
Signed by:

Dr Mahendra K V

Principal

Signed by:

Dr Sreenivasa

Director

Date: 13/11/2021



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

## ORGANIZING COMMITTEE

### Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Shri. Prabhakar Rao**

Administrator - R. R. Institutions

**Prof. Maya Salimath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru.

### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head  
Department of CSE

### Organising Committee

#### Members

**Prof. Shruthi.S**

Assistant Professor

CSE Department

**Prof. Balaraju G**

Assistant Professor

CSE Department

**Prof. Veena V**

Assistant Professor

CSE Department

#### Student Co-ordinator

Ms. Keerthana S.CSE

Mr. Md Arman Khan, CSE

Mr. Rijin Raj, CSE

**Cordially invites all Students for**

Workshop

**"Sensing, Automation & IoT"**

on

20<sup>th</sup> June 2022

@9.30 am

### CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

### GUEST SPEAKER

**Dr. Sreenivasa Setty**

Chief Technical Officer

SST Technologies,

Bengaluru

Venue

Seminar Hall

Main Block, RRIT

Principal

*Mahesh*  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

To be a Premier globally recognized Institute with ensuring academic excellence, Innovation and fostering Research in the field of Engineering



Since 1993

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Rao Petty Layout, Chikkabanavara, Bangalore - 560 093

Department of Computer Science & Engineering

Date: 20/06/2022

Attendance for Workshop

On

"Sensing, Automation & IoT"

Sl.	Sem	USN	Student Name	Signature
01	8 <sup>th</sup>	1RI18CS062	Tiwari vishal Lalton	
02	8 <sup>th</sup>	1RI18CS031	Md Arman Khan	
03	8 <sup>th</sup>	1RI18CS015	Ayush Sharma	
04	8 <sup>th</sup>	1RI18CS009	Abhiraj Sharma	
05	8 <sup>th</sup>	1RS28CS038	PARNAND V. H. GURUNADHAN JAENA	
06	8 <sup>th</sup>	1RI18CS023	Devendra Kumar Jhu	
07	8 <sup>th</sup>	1RI18CS045	Rijin Ray	
08	8 <sup>th</sup>	1RI18CS009	Amit Kumar	
09	8 <sup>th</sup>	1RI18CS017	BPBEK Modak	
10	8 <sup>th</sup>	1RI18CS029	Harshini.S	
11	8 <sup>th</sup>	1RI18CS029	Keethana.S	
12	8 <sup>th</sup>	1RI18CS402	Hiran.D.A	
13	8 <sup>th</sup>	1RI19CS403	Mudhu.L	
14	8 <sup>th</sup>	1RI18CS043	Rakshitha.S.V	
15	8 <sup>th</sup>	1RI18CS052	Sandeep.P.B.T	
16	8 <sup>th</sup>	1RI18CS022	Chandan Kumar BN	
17	8 <sup>th</sup>	1RI18CS008	Akshay Uttare	
18	8 <sup>th</sup>	1RI18CS029	Mohan Lush C.V	
19	8 <sup>th</sup>	1RI18CS037	P. Sahas	
20	8 <sup>th</sup>	1RI18CS036	Xushu.K NITHISH.K	
21	8 <sup>th</sup>	1RI18CS059	Vignesh.P	
22	8 <sup>th</sup>	1RI19CS406	Rafi Singh	
23	8 <sup>th</sup>	1RI18CS011	Anurag Paul	
24	8 <sup>th</sup>	1RI18CS028	Krupa.P.O	
25	8 <sup>th</sup>	1RI18CS016	B.R.Usha	
26	8 <sup>th</sup>	1RI18CS034	S.Manika	
27	8 <sup>th</sup>	1RI18CS054	SHREYA BAJPAI	

Melank.  
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Chikkabanavara, Bangalore - 560 090.

Head of Department  
Department of Computer Science &  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore

Sl.	Sem	USN	Student Name	Signature
28	8 <sup>th</sup>	IRI18CS058	Suraj Sapkota	
29	8 <sup>th</sup>	IRI16CS001	Amanjyot Chawry	
30	8 <sup>th</sup>	IRI18CS400	Ajay Kumar Pandey	
31	8 <sup>th</sup>	IRI17CS044	Sudip Sarkar	
32	8 <sup>th</sup>	IRI17CS037	Saibal Sekhar Maity	
33	8 <sup>th</sup>	IRI19CS404	Pappu Kar	
34	8 <sup>th</sup>	IRI19CS401	Aniket Pulil	
35	8 <sup>th</sup>	IRI18CS019	Prabhu Kohar	
36	8 <sup>th</sup>	IRI18CS014	Avinandan Pal	
37	8 <sup>th</sup>	IRI18CS020	Bishnudev Mahato	
38	8 <sup>th</sup>	IRI15CS074	Sabin Chaudhary	
39	8 <sup>th</sup>	IRI16CS022	Jackson George	
40	8 <sup>th</sup>	IRI16CS005	Arshi Prasad	
41	8 <sup>th</sup>	IRI18CS021	chondana. B	
42	8 <sup>th</sup>	IRI18CS041	Priyadarshini. H	
43	8 <sup>th</sup>	IRI19CS405	Pranitha. H	
44	8 <sup>th</sup>	IRI18CS042	Rakshitba. J	
45	8 <sup>th</sup>	IRI18CS057	Suman Kumar DeJ	
46	8 <sup>th</sup>	IRI18CS040	Pooja N	
47	8 <sup>th</sup>	IRI18CS007	Akshay. M	
48	8 <sup>th</sup>	IRI18CS004	AKASH. K	
49	8 <sup>th</sup>	IRI18CS013	Ashil Prasad. P	
50	8 <sup>th</sup>	IRI16CS031	Sapna Singh	
51	8 <sup>th</sup>	IRI18CS062	Vivek Kumar	
52	8 <sup>th</sup>	IRI18CS046	Rima Goid	
53	8 <sup>th</sup>	IRI18CS049	Roshan Kumar Pandit	
54	8 <sup>th</sup>	IRI17CS024	Kiran Kumar V.C	
55	8 <sup>th</sup>	IRI18CS400	James M Augustin	
56	8 <sup>th</sup>	IRI14CS007	Dilip. K	

Department of Computer Science & Technology  
R.R. Institute of Technology,  
Hesaraghatta Main Road  
Chikkabanaswara, Bangalore

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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

Date: 21/06/2022

## Workshop Report "Sensing, Automation & IoT" 20<sup>th</sup> June 2022

Department of CSE had conducted a one day workshop in association with SST Technologies, Bengaluru on "Sensing, Automation & IoT" for 8<sup>th</sup> Semester students of Computer Science on 20<sup>th</sup> June 2022. The Session Started at 9.30am by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT.

The program was conducted at RRIT, Computer Laboratory & 56 students were participated. **Dr. Sreenivasa Setty, Chief Technical Officer**, from **SST Technologies, Bengaluru** along with his colleague Mr. Sai Kiran, Technical assistant provided hands on session on Sensors, Automation & IOT to students.


The objective of this workshop was to make students understand the concepts of sensors and actuators. This will make them use sensors and actuators in different IoT projects and compare different application protocols for IoT.

### The workshop highlights:

- Introduction to SST Node MCU Project Board (IoT Board).
- The IoT board has an inbuilt LDR to measure Light intensity, a relay to control AC appliances; an integrated motor driver to drive two DC motors.
- The board has pins for DHT sensor to measure temperature and humidity, 16x2 LCD or 128x32 OLED display, servo and it has NodeMCU which supports Wi-Fi and the board also supports HC-05 Bluetooth module. It also has an SD card module to store sensor data.
- Hands on session showcased the different hardware connectivity, working of hardware components like sensors, actuators and controlling these hardware components via writing sample code.
- Different IoT Mini projects were demonstrated and assigned to develop.
- Students developed Mini projects using sensor technology.

  
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Head of Department  
Department of Computer Science & Engineering  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore



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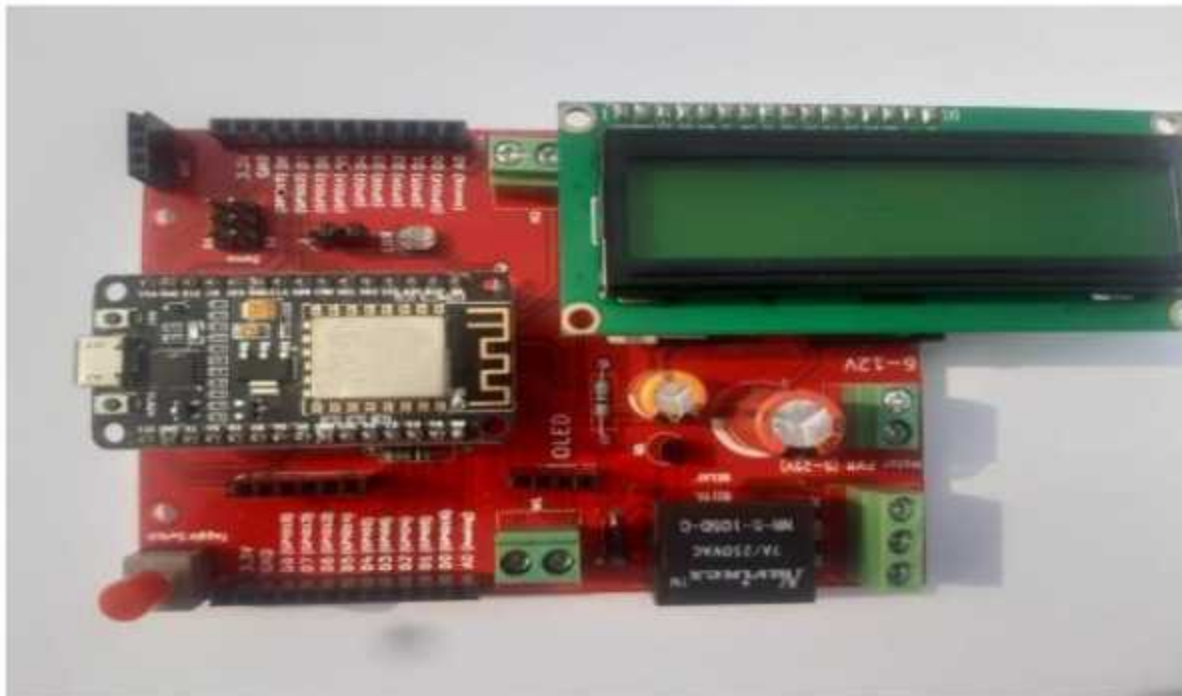
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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Computer Science & Engineering

## Gallery of Workshop on “Sensing, Automation & IoT” 20<sup>th</sup> June 2022



**SST Node MCU Project Board**





**Bengaluru, Karnataka, India**

9, Raja Reddy Layout, Medaralli, Chikkabanavara, Bengaluru,  
Karnataka 560107, India  
Lat 13.071857°  
Long 77.512674°  
20/06/22 03:06 PM



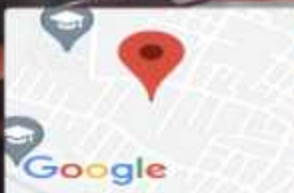
**Bengaluru, Karnataka, India**

9, Raja Reddy Layout, Medaralli, Chikkabanavara, Bengaluru,  
Karnataka 560107, India  
Lat 13.071857°  
Long 77.512674°  
20/06/22 03:55 PM



**Bengaluru, Karnataka, India**

9, Raja Reddy Layout, Medaralli, Chikkabanavara, Bengaluru,  
Karnataka 560107, India  
Lat 13.071929°  
Long 77.512698°  
20/06/22 03:07 PM









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Department of Computer Science & Engineering

### Chief Patron

**Sri. Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**  
Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**  
Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**  
Director QAC -R. R. Institutions

### Chair Person

**Dr. Mahendra K V**  
Principal  
RRIT, Bengaluru

### Conveners

**Dr. Manjunath R**  
Professor & Head  
Department of CSE & ISE

### Organising Committee

**Dr. Sumanth V**  
Assistant Professor, CSE

**Prof. Dhananjaya M K**  
Assistant Professor, CSE

**Prof. Shruthi S**  
Assistant Professor, CSE

**Prof. Nithin K**  
Assistant Professor, CSE

**Cordially invites all for**  
Three Days Faculty Development Program

On

## “CISCO Packet Tracer for Embedded System design and IOT”

From 18<sup>th</sup> to 20<sup>th</sup> March 2021

### CHIEF GUEST

**SRI. Y. RAJA REDDY**

Chairman

RRIT, Bangalore

### GUEST SPEAKERS

**Mr. Srinivas Shetty**

Chief Technical Officer  
SST Technologies  
Bengaluru

**Mr. Amanulla**

Software Developer  
SST Technologies, Bengaluru

*Mahendra K V*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

To be a premier Institute with excellence in the field of Engineering and Management

Registration form : feed back FDP On \_ CISCO Packet Tracer for Embedded System design and IOT on 18th to 20th March 2021

Sl.no	Name	College Name	Department	Profession	Phone number
1	Manjunath R	RRIT	CSE	Faculty	9901211222
2	Swetha K B	RRIT	Ise	Faculty	9.20E+11
3	Niranjan L	Hkbc college of E	Cse	Faculty	9611720315
4	Anshu Deepak	Rrit	Ece	Faculty	7795519290
5	DHANANJAYA M	RRIT	Computer science an	Faculty	9886265638
6	Jyothi. R	RRIT	Computer Science &	Faculty	7022815497
7	Pavan Sagar	R R Institute of Te	Basic science	Faculty	8971307913
8	Sujatha.j	Hkes society's s.l.	CSE	Faculty	9964510400
9	Shruthi.S	RRIT	CSE	Faculty	7871770872
10	MANJULA	RRIT	BS	Faculty	9980545449
11	PRASEEDA E	RRIT	CIVIL	Faculty	9620740010
12	Mahantesh K M	SDMCET Dharwad	Mechanical	Faculty	9886497351
13	Nithin.k	RRIT	Cse	Faculty	9900376988
14	Dr. Sumanth V	RR Institute of te	CSE	Faculty	9845184928
15	Emmanuel Rajar	R R Institute of Te	ISE	Faculty	9845582195
16	Balaraju G	RR Institute of te	CSE	Faculty	8074087403
17	mohan kumar B	RR Institute of Te	ECE	Faculty	8889900712
18	divya	RR Institute of te	ECE	Faculty	678901234
19	Emmanuel Rajar	R R Institute of Te	ISE	Faculty	9845582195
20	Ashok kumar	RR Institute of Te	ECE	Faculty	897043217
21	Gunasheela	RRIT	Civil	Faculty	9937474641
22	Chittaranjan	RR Institute of Te	ECE	Faculty	9886449292
23	Priya	Rrit	Civil	Faculty	9449394814
24	sunanda	RR Institute of Te	EEE	Faculty	9535348678
25	Deepika	RRIT	Civil	Faculty	9944275966
26	ramachandra	RR Institute of Te	EEE	Faculty	9632179589
27	Nagarajun gowd	Rrit	Civil	Faculty	9955476988
28	Gautham	RR Institute of Te	EEE	Faculty	9483443248
29	Poornima	Rrit	Civil	Faculty	9946467925
30	Dr.Mangala Gow	RR Institute of Te	EEE	Faculty	9535348678
31	Sharmila	RRIT	Civil	student	9944673988
32	Jaishree	RR Institute of Te	EEE	Faculty	9886449292
33	Ranganath	Rrit	Cse	Faculty	9900374687
34	Ranjit v	Rrit	Cse	Faculty	9936364741
35	Lohit Kumar	RR Institute of Te	mechanical	Faculty	888752277
36	ABHILASH L BHA	R.R INSTITUTE OF	ISE	Faculty	9164465694
37	Swetha K B	RRIT	Ise	Faculty	9986660236
38	Balaraju G	RR Institute of te	CSE	Faculty	8074077403
39	Veena V	RRIT	CSE	Faculty	9900311655
40	Arpitha Martin	RRIT	ISE	Faculty	7022815497
41	Veeresh babu	RRIT	PUC	Faculty	9742682028
42	Swetha K R	RRIT	BS	Faculty	9964510400
43	Praseeda E	RRIT	Civil	Faculty	9620740010
44	Tejeswini	RRIT	BS	Faculty	9886282286

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Department of Computer Science & engineering

Date:25/04/2021

## Report on

### Three Days Faculty Development Program On "CISCO Packet Tracer For Embedded System Design And IOT"

22<sup>nd</sup> to 24<sup>th</sup> April 2021

A three days faculty development programme on "CISCO Packet Tracer For Embedded System Design And IOT" was held at the Department of Computer science and Engineering of RRIT from 22<sup>nd</sup> April to 24<sup>th</sup> April 2021. The FDP aims to provide opportunities to faculty members and research scholars to enrich their teaching skill and research in the field of IOT and Embedded systems. The FDP was attended by 44 participants from faculty members of CSE and ISE. Prof. Dr. Manjunath R. HOD of CSE and ISE welcomed all the respected dignitaries and participants. Prof. Dr. Mahendra K.V Principal of RRIT appreciated the program organized by CSE dept in his speech.

#### TECHNICAL SESSIONS :

##### 1<sup>st</sup> Day (22/04/2021) :

Prof. Dr. Srinivas Shetty has rendered his teaching service with practical hands on experience with a great devotion for over 30 long years in Top-notch technical institutes in Karnataka. He has authored one book He has also founded SST Technology. In this session participants were learned the Basics with introduction to CISCO Packet Tracer, Introduction to IOT Sensors and technology.

##### 2<sup>nd</sup> Day (23/04/2021) :

An informative lecture on "Embedded system design and its applications" was discussed by Prof. Dr. Srinivas Shetty. In this session participants were learned the applications of embedded systems

##### 3<sup>rd</sup> Day (24/04/2021) :

Prof. Dr. Srinivas Shetty has illuminated on "Projects and Hands on experience". In this session participants were gained with the knowledge of the project requirement of embedded system and a designed by his team. He inspired the participants to work on real time Embedded systems and also gave some guidelines for this.

#### VALEDICTORY SESSION:

The honorable personalities present in this occasion were Prof. Dr. Srinivas Shetty & Professor of CSE Dept., RRIT. The Head of the Department of RRIT Prof. Dr. Manjunath R summarized

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*Srinivas Shetty*  
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the program. All the personalities appreciated the department for organizing the 3-Days FDP. The program was ended with vote of thanks.

**OUTCOME :** All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened with the most widely used advance technologies in this domain. This in turn will help in research activity.

Day 22/04/2021 Photos



*Mahesh*  
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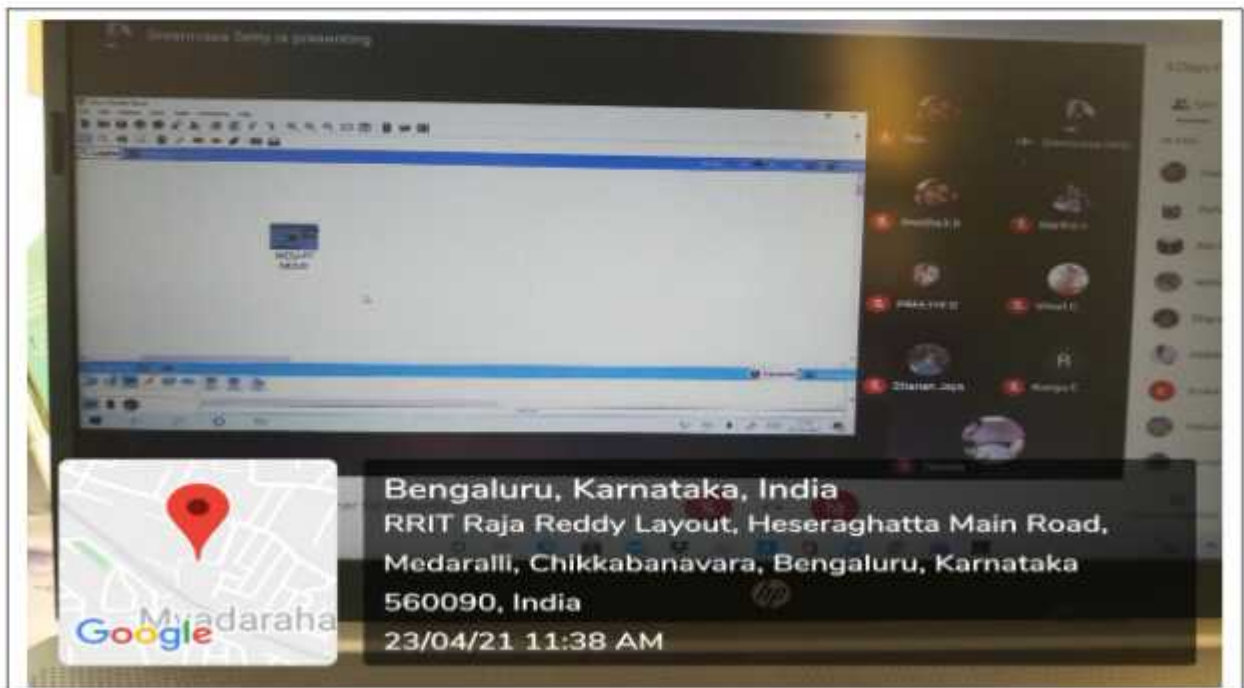
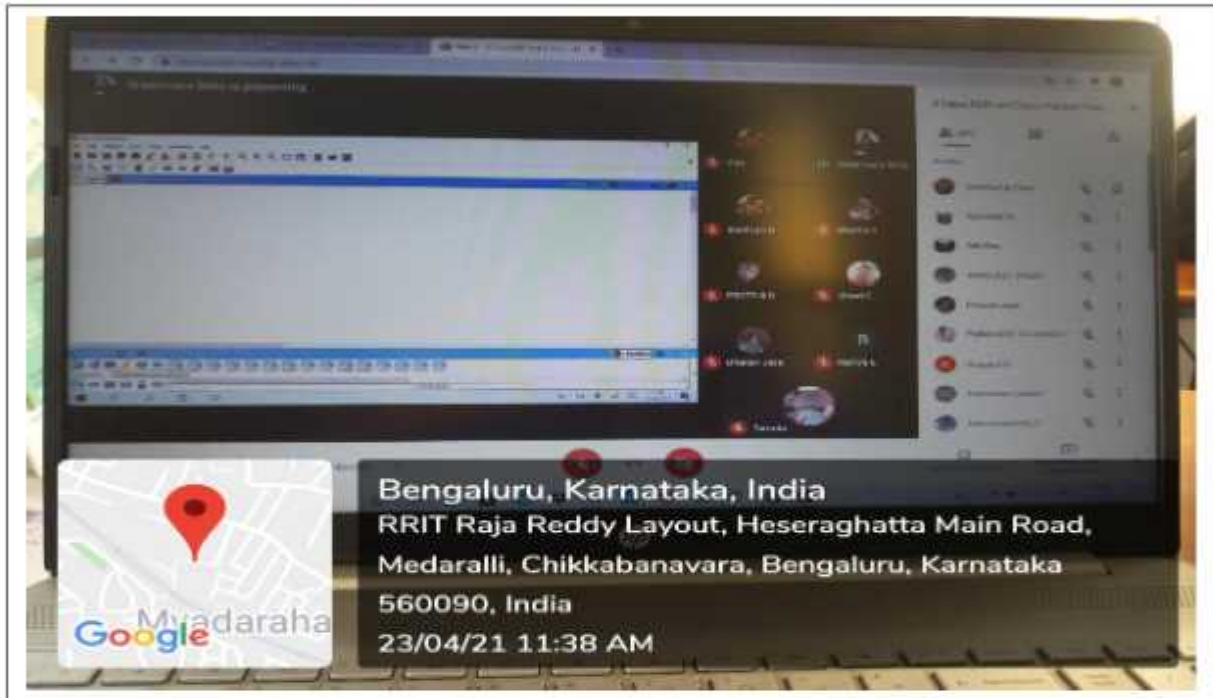


Day 22/04/2021 Photos





Day 23/04/2021 Photos

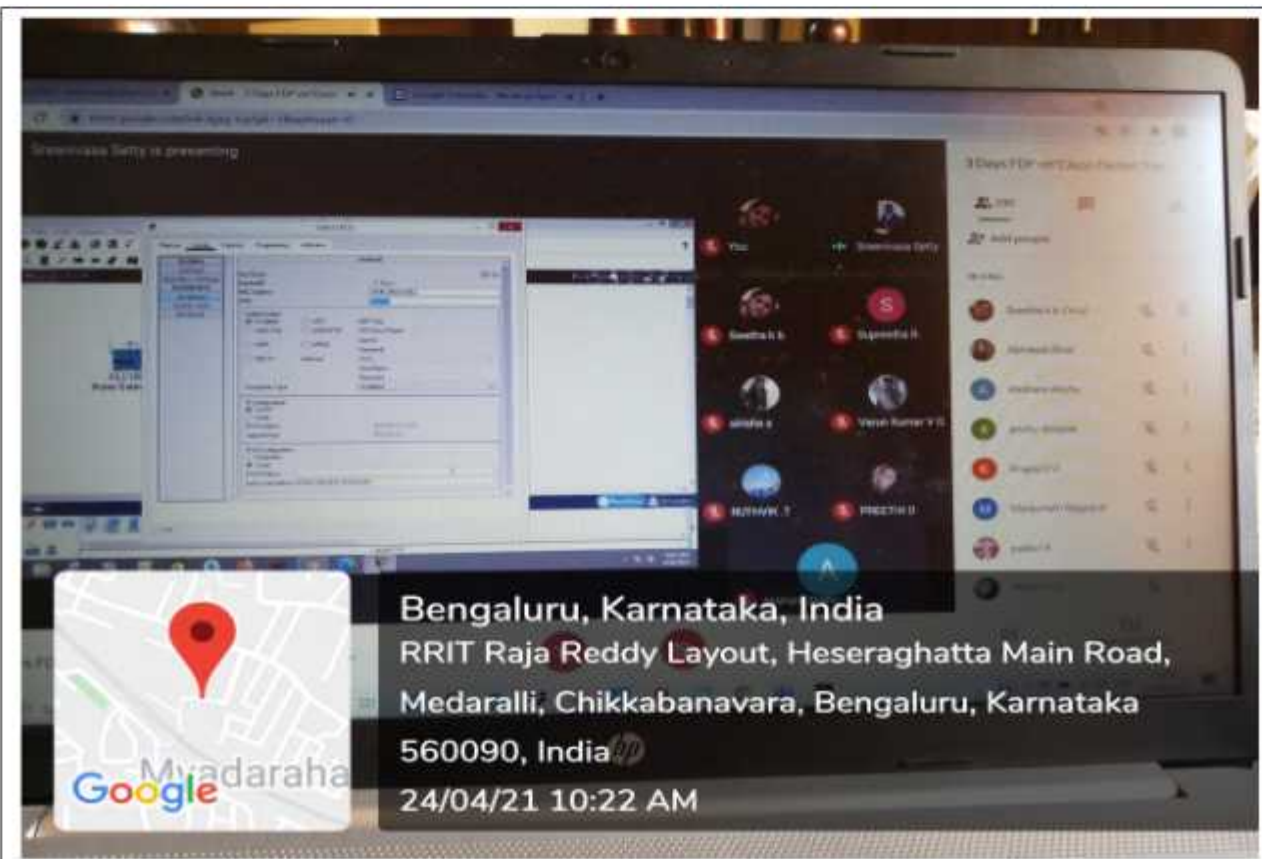


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Day 24/04/2021 Photos







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## ORGANIZING COMMITTEE

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**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

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Secretary, PKMET, Bengaluru

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Director, PKMET, Bengaluru

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**Prof. Maya Salimath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head

Department of CSE

### Organising Committee

#### Members

**Prof. Jyothi R**

Assistant Professor

CSE Department

**Prof. Veena M S**

Assistant Professor

CSE Department

**Prof. Revathi B**

Assistant Professor

CSE Department

### Student Co-ordinator

Ms. Tanimamandal, CSE

Mr. Sharath, CSE

## Cordially invites all Students for

Workshop

## "IoT and Data Analytics"

in association with

SST Technologies, Bengaluru

on

3<sup>rd</sup> and 4<sup>th</sup> April 2023

at

9.30 am

### CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

### GUEST SPEAKER

**Dr. Sreenivasa Setty**

Chief Technical Officer

SST Technologies,

Bengaluru

Venue

Seminar Hall

Main Block, RRIT

*Mahendra K V*  
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To be a Premier globally recognized Institute with ensuring academic excellence, Innovation and fostering Research in the field of Engineering



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## 8<sup>th</sup> semester

### 2 Days Workshop on "IoT and Data Analytics"

Sl. No.	USN No	Name	03-04-2023		04-04-2023	
			Session 1	Session 2	Session 3	Session 4
1.	IRI18CS006	AKASH PATIL	Ab	Ab	Ab	Ab
2.	IRI18CS018	BILTU MONDAL	Bimondal	Bimondal	Bimondal	Bimondal
3.	IRI18CS012	ANUSHA S	Anusha.S.	Anusha.S.	Anusha.S.	Anusha.S.
4.	IRI18CS025	JEEVAN SUTAR	Jeevan	Jeevan	Jeevan	Jeevan
5.	IRI18CS035	NAZRUL HUSSAIN	Nazrul	Nazrul	Nazrul	Nazrul
6.	IRI18CS039	PAVAN KUMAR B	Pavan Kumar	Pavan Kumar	Pavan Kumar	Pavan Kumar
7.	IRI18CS047	RITWIK KUNDU	Ritwik Kundu	Ritwik Kundu	Ritwik Kundu	Ritwik Kundu
8.	IRI18CS060	VISMAYA V K	Vismaya	Vismaya	Vismaya	Vismaya
9.	IRI19CS001	ADITHYA E	Aditya	Aditya	Aditya	Aditya
10.	IRI19CS002	AKSHAY KUMAR RANA	Akshay	Akshay	Akshay	Akshay
11.	IRI19CS003	AMAN LALL JOSHI	Aman	Aman	Aman	Aman
12.	IRI19CS004	ANEESH K VANTAKAR	Anish	Anish	Anish	Anish
13.	IRI19CS005	ANIKET PARIHAR	Aniket	Aniket	Aniket	Aniket
14.	IRI19CS006	ANUPAMA R PILLAI	Anupama	Anupama	Anupama	Anupama
15.	IRI19CS007	ANUSHA S	Anusha.S.	Anusha.S.	Anusha.S.	Anusha.S.
16.	IRI19CS008	ATUL RAJ	Atul Raj	Atul Raj	Atul Raj	Atul Raj
17.	IRI19CS009	BARUN ROY	Barun Roy	Barun Roy	Barun Roy	Barun Roy
18.	IRI19CS010	BHAGYASHRI GYANAGOUDRA	Bhagyashri	Bhagyashri	Bhagyashri	Bhagyashri

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19.	IRII9CS011	BIKASH PRASAD DUSHAD	<u>Bikash</u>	<u>Bikash</u>	<u>Bikash</u>	<u>Bikash</u>
20.	IRII9CS012	CHANDAN K KORTEKAR	<u>Chand</u>	<u>Chand</u>	<u>Chand</u>	<u>Chand</u>
21.	IRII9CS013	DARSHITHA D	<u>Darshitha</u>	<u>Darshitha</u>	<u>Darshitha</u>	<u>Darshitha</u>
22.	IRII9CS014	DEEP MANDAL	<u>Deep Mandal</u>	<u>Deep Mandal</u>	<u>Deep Mandal</u>	<u>Deep Mandal</u>
23.	IRII9CS015	DIVYANSHU KUMAR	<u>Divyanshu</u>	<u>Divyanshu</u>	<u>Divyanshu</u>	<u>Divyanshu</u>
24.	IRII9CS016	ELIAS ALI	<u>Elias</u>	<u>Elias</u>	<u>Elias</u>	<u>Elias</u>
25.	IRII9CS017	GURUDARSHAN R	<u>Gurudarshan</u>	<u>Gurudarshan</u>	<u>Gurudarshan</u>	<u>Gurudarshan</u>
26.	IRII9CS018	HARSHITHA M R	<u>Harshitha</u>	<u>Harshitha</u>	<u>Harshitha</u>	<u>Harshitha</u>
27.	IRII9CS019	HELDA VINITHA P	<u>Helda</u>	<u>Helda</u>	<u>Helda</u>	<u>Helda</u>
28.	IRII9CS020	HEMANTH S	<u>Hemant</u>	<u>Hemant</u>	<u>Hemant</u>	<u>Hemant</u>
29.	IRII9CS021	INZAMAM ALI KHAN	<u>Inzamam</u>	<u>Inzamam</u>	<u>Inzamam</u>	<u>Inzamam</u>
30.	IRII9CS022	JAYA ROY RINTY	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>
31.	IRII9CS024	KARAN RAY THARU	<u>Karan</u>	<u>Karan</u>	<u>Karan</u>	<u>Karan</u>
32.	IRII9CS025	KAUSHAL SINGH KUNWAR	<u>Kaushal</u>	<u>Kaushal</u>	<u>Kaushal</u>	<u>Kaushal</u>
33.	IRII9CS026	LIKHITH GOWDA K	<u>Likhitha</u>	<u>Likhitha</u>	<u>Likhitha</u>	<u>Likhitha</u>
34.	IRII9CS027	LOCHAN K B	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>
35.	IRII9CS028	MEGHASHREE M S	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>
36.	IRII9CS029	MEGHANA R	<u>Meghana</u>	<u>Meghana</u>	<u>Meghana</u>	<u>Meghana</u>
37.	IRII9CS031	MUMMADI JAHNAVI KIRAN	<u>Mummaidi</u>	<u>Mummaidi</u>	<u>Mummaidi</u>	<u>Mummaidi</u>
38.	IRII9CS032	NAWAZ SHARIEF	<u>Nawaz</u>	<u>Nawaz</u>	<u>Nawaz</u>	<u>Nawaz</u>
39.	IRII9CS034	PRAMODH S	<u>Pramodh</u>	<u>Pramodh</u>	<u>Pramodh</u>	<u>Pramodh</u>
40.	IRII9CS035	PRIYA C Y	<u>Priya</u>	<u>Priya</u>	<u>Priya</u>	<u>Priya</u>
41.	IRII9CS037	RISHAV KUMAR	<u>Rishav</u>	<u>Rishav</u>	<u>Rishav</u>	<u>Rishav</u>
42.	IRII9CS038	SAHANA R	<u>Sahana</u>	<u>Sahana</u>	<u>Sahana</u>	<u>Sahana</u>
43.	IRII9CS040	SANTOSH KUMAR YADAV	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>
44.	IRII9CS041	SATYAJIT PAUL	<u>Satyajit</u>	<u>Satyajit</u>	<u>Satyajit</u>	<u>Satyajit</u>
45.	IRII9CS042	SHAIK ROSHINI	<u>Shai</u>	<u>Shai</u>	<u>Shai</u>	<u>Shai</u>

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46.	IR119CS043	SHALU KUMARI	Shalu Kumari	Shalu Kumari	Shalu Kumari	Shalu Kumari
47.	IR119CS044	SHARATH R	Sharath R	Sharath R	Sharath R	Sharath R
48.	IR119CS045	SHASHANK S	Shank	Shank	Shank	Shank
49.	IR119CS048	TANIMA MONDAL	Tanima Mondal	Tanima Mondal	Tanima Mondal	Tanima Mondal
50.	IR119CS049	TUSHAR PARI	Tushar Pari	Tushar Pari	Tushar Pari	Tushar Pari
51.	IR119CS050	UMASANKAR R	Umasankar R	Umasankar R	Umasankar R	Umasankar R
52.	IR119CS051	VENKATESH S	Venkatesh S	Venkatesh S	Venkatesh S	Venkatesh S
53.	IR120CS400	BARSHA GOSWAMI	Barsha	Barsha	Barsha	Barsha
54.	IR120CS401	SHRABONI BANEERJI	Shraboni Banerjee	Shraboni Banerjee	Shraboni Banerjee	Shraboni Banerjee
55.	IR120CS402	GOUTHAM K M	Goutham	Goutham	Goutham	Goutham
56.	IR120CS600	NANDITHA	Nanditha Bank	Nanditha Bank	Nanditha Bank	Nanditha Bank

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**Department of Computer Science & Engineering**

Date: 06/04/2023

## Report

### Workshop on "IoT and Data Analytics " In association with SST Technologies, Bengaluru on 3<sup>rd</sup> and 4<sup>th</sup> April 2023

Department of CSE had conducted a Workshop on "IoT and Data Analytics " in association with SST Technologies, Bengaluru on 3<sup>rd</sup> and 4<sup>th</sup> April 2023 for CSE students.. The session started at 10:30 am by welcoming the **Dr. Sreenivasa Setty**, Chief Technical Officer, SST Technologies, Bengaluru Principal, HOD, Students and Staff of RRIT. The program was conducted at RRIT and 52 students were participated.

There were totally 7 sessions for two days. First day 4 sessions were handled by **Dr. Sreenivasa Setty**. Next day 3 sessions were handled by **Dr. Manjunath (IOT-Course Faculty)**, Professor & Head, CSE Department, RRIT.

**Session 1:** This session was about Internet of Thing Introduction & its Impact. Dr. Sreenivasa Setty briefed about the topic. The Internet of Things (IoT) describes physical objects embedded with sensors and actuators that communicate with computing systems via wired or wireless networks allowing the physical world to be digitally monitored or even controlled.

#### The positive impact of IoT:-

##### 1 – Enhanced Connections –

IoT has enhanced the level of communication as human to human communication seems impossible at one point of time when there was no telephones or Mobile available and fast forward to today, we can literally communicate with objects like light, Ac, TV, Music system, Fridge, and etc with the help of sensors which help object connect with the physical environment.

##### 2 – Cost-Effective

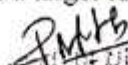
The reason why IoT is becoming popular day by day is that it's very cost-effective , it is easily available and the best part it cost absolutely Zero money for maintenance. Anybody can use IoT as IoT's main objective is to make a complex task easy for humans so you don't have to be super technical or learn advanced machine learning or artificial intelligence just to use the IoT.

##### 3 – Helps in Education, Health & Fitness

IoT has evolved so much that now it can help students with the study as there are many technologies where students ask the device question and devices provide the answer, it also helps children who face difficulties in reading long text so they can simply just turn on text to speech and can select and hear the text this will help them immensely with learning. On the other hand, IoT helps in maintaining health and fitness as various devices like fitness watch which can tell you slightest of detail about your health in seconds and also sets a target for your health. Lots of medical

  
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devices now have IoT which saves the time of Doctors as many patients have these devices in a home where they can easily check their oxygen level, blood pressure, sugar level and etc. It has completely changed the lives of physically disabled or even senior citizens as they can control most of the house activities simply with IoT.

### Negative Impact of IoT on our lives

#### 1. Automation of Jobs

Technologies are getting smarter day by day and can perform task way better than humans and it's a possible threat that within next 10-20 years these technologies can easily wipe out millions of jobs as most business and companies are using technologies as its cost-effective and can perform the complex task in less time. Many professionals and worker which are highly in demand now can become worthless in the future as artificial intelligence will replace them.

#### 2. Pose security threat

As humans is surrounded by lots of IoT devices that collect and share data this pose a security threat as humans are unaware that such devices can collect sensitive information and this data can be compromised in near future as hackers finding different-different ways to breach the security as for normal people it's difficult to stay up to date with the security issue. There is many incidences where people complained about someone hearing their conversation in their home as a device like Alexa, Siri is always listening.

#### 3. Over- dependency on IoT

IoT has made life of people easy as the main objective of IoT is to encourage over-dependency of the people on technology which is resulting in people are getting unproductive as it decreases their power to think critically, being creatives and they become impatient as they want the results in seconds.

**Session 2:** This session was about Communication Criteria's & IOT Access Technologies

### Types of Communication Model :

#### 1. Request & Response Model –

This model follows a client-server architecture.

- The **client**, when required, requests the information from the server. This request is usually in the encoded format.
- This model is stateless since the data between the requests is not retained and each request is independently handled.
- The server Categories the request, and fetches the data from the database and its resource representation. This data is converted to response and is transferred in an encoded format to the client. The client, in turn, receives the response.
- On the other hand — In **Request-Response** communication model client sends a request to the server and the server responds to the request. When the server receives the request it decides how to respond, fetches the data retrieves resources, and prepares the response, and sends it to the client.

#### 2. Publisher-Subscriber Model –

This model comprises three entities: Publishers, Brokers, and Consumers.

- **Publishers** are the source of data. It sends the data to the topic which are managed by the broker. They are not aware of consumers.
- **Consumers** subscribe to the topics which are managed by the broker.
- Hence, **Brokers** responsibility is to accept data from publishers and send it to the appropriate consumers. The broker only has the information regarding the consumer to which a particular topic belongs to which the publisher is unaware of.

### 3. Push-Pull Model –

The push-pull model constitutes data publishers, data consumers, and data queues.

- **Publishers** and **Consumers** are not aware of each other.
- Publishers publish the message/data and push it into the queue. The consumers, present on the other side, pull the data out of the queue. Thus, the queue acts as the buffer for the message when the difference occurs in the rate of push or pull of data on the side of a publisher and consumer.
- **Queues** help in decoupling the messaging between the producer and consumer. Queues also act as a buffer which helps in situations where there is a mismatch between the rate at which the producers push the data and consumers pull the data.

### 4. Exclusive Pair –


- **Exclusive Pair** is the bi-directional model, including full-duplex communication among client and server. The connection is constant and remains open till the client sends a request to close the connection.
- The **Server** has the record of all the connections which has been opened.
- This is a state-full connection model and the server is aware of all open connections.
- WebSocket based communication API is fully based on this model.


**Session 3 and 4:** In these two sessions Hands on Arduino UNO & RaspberryPi was held.

**Session 5:** This session was taken by Dr. Manjunath R about Data Analytics for IOT, IT & OT Practices, **Research Oriented Practices.**

**Session 6 and 7:** These two sessions were Hands on Sessions about

1. Transmit a string using UART, 2.
2. Point-to-Point communication of two Motes over the radio frequency.
3. Multi-point to single point communication of Motes over the radio frequency. LAN (Subnetting).
4. I2C protocol study.
5. Reading Temperature and Relative Humidity value from the sensors

  
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## Gallery



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ಕರುನಾಡು ಟೆಕ್ನಾಲಜಿಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್

**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

**MEMORANDUM OF  
UNDERSTANDING (MoU)**

**BETWEEN**

**R.R. Institute of Technology**

(Affiliated to VTU Belgaum and Approved by AICTE, New  
Delhi, Recognised by Gov. of Karnataka )  
Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabanavara, Bengaluru,  
Karnataka 560090, India  
Tel: 088800 01111

**&**

**Karunadu Technologies Private Limited**

#17, A.T.K. complex, 2<sup>nd</sup> & 4th Floor, Acharya College Main  
Road, Beside Karur Vysya Bank, Guttebasaveshwaranagar  
Chikkabanavara, Bengaluru Karnataka 560090  
Tel: 09902913646, 09964823646

**FOR**

*Melaha*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**SKILL DEVELOPMENT, INTERNSHIPS, WORKSHOPS  
AND RELATED SERVICES**



**Registered Office:**

No. 59, 2nd Main, 1st Cross, Near Singapura Village Bus Stop, Vidyanarayapura, Bengaluru - 560064,  
CIN: U74999KA2018PTC114911, Mob: +91 9964823646 / +91 9902913646 E-mail: karunadutechnologies@gmail.com,  
support@karunadutechnologies.com, Website: www.karunadutechnologies.com



**ಕರುನಾಡು ಟೆಕ್ನಾಲಜಿಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್**  
**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 01<sup>st</sup> day of - August - Two Thousand and Twenty (01/08/2020), by and between

**R.R. Institute of Technology**

Raja Reddy Layout,  
Medaralli, Chikkabanavara, Bengaluru,  
Karnataka 560090, India  
Tel: 088800 01111

The First Party represented herein by its Name of Competent Authority / Representative (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

**Karunadu Technologies Private Limited**

#17, ATK complex, 2<sup>nd</sup> & 4th Floor, Acharya College Main  
Road, Beside Karur Vysya Bank, Guttebasaveshwaranagar  
Chikkabanavara, Bengaluru Karnataka 560090  
Tel: 09902913646, 09964823646

*M. R. Institute of Technology*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

The Second Party, and represented herein by its Zonal / Divisional Head, Name of Competent Authority / Representative, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

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support@karunadutechnologies.com, Website: www.karunadutechnologies.com





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**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttehasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

First Party is a Higher Educational Institution named:

**R.R. Institute of Technology**

- A) First Party and Second Party believe that collaboration and co-operation between  
Themselves will promote more effective use of each of their resources, and provide each  
Of them with enhanced opportunities.
- B) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill  
Based Training, Educational trainings like Workshops, Internships and Technical Talks  
and other related activities.
- C) Both Parties, being legal entities in themselves desire to sign this MOU for advancing  
their mutual interests.
- D) Karunadu Technologies Private Limited, the Second Party is engaged in Software and  
Embedded Services and Solutions, Skill Development, Educational trainings like  
Workshops, Internships and Technical Talks and other related activities.
- E) R R Institute of Technology. The first party is Engineering College and this MOU is made  
for Dept. of Computer Science and Engineering Branch (CSE) and Information Science  
and Engineering (ISE), R R Institute of Technology, Bengaluru.

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET  
FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOW**

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bengaluru - 560 090.



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CLAUSE 1  
CO-OPERATION

Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter here of and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2  
SCOPE OF THE MoU

The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

**Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.



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**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

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Guttesbasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

**Industrial Training and Visits:** Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Internships / Workshops / Industrial Talks for the hands-on training of the learners enrolled with the First Party.

**Skill Development Program:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.

**Faculty Development Program:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement.

Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein

If there is any financial commitment on the part of the Government Engineering College, Huvinahadagali, the First Party to take up any programme mentioned in the MoU, it will be dealt separately and will be put into execution after being agreed from Both Parties.

**CLAUSE 3**  
**INTELLECTUAL PROPERTY**

**3.1:** Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

*M. R. Institute of Technology*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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support@karunadutechnologies.com, Website: www.karunadutechnologies.com



# ಕರುನಾಡು ಟೆಕ್ನಾಲಜಿಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್ KARUNADU TECHNOLOGIES PRIVATE LIMITED

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

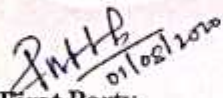
## CLAUSE 4 VALIDITY

4.1: This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period Karunadu Technologies Private Limited, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of Karunadu Technologies Private Limited, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU.

Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

## CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES

5.1: It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

  
First Party  
R R Institute of Technology,  
Department of Computer Science,  
R.R. Institut of Technologi,  
Hesaraghatta Main Road,  
Chikkabanavara, Bengaluru - 560090.

  
Second Party  
Karunadu Technologies Private Limited.

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Any divergence or difference derived from the interpretation or application of the MOU shall be resolved by mutual talks/understandings and is not entitled for any legal actions from either parties. However one can terminate this MOU as mentioned in Clause 4



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**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

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Guttesaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

**AGREED:**

R R Institute of Technology

Karunadu Technologies Private Limited

*R.R.I.T.*  
08/08/2020  
Authorized Signatory  
Head of Department  
Department of Computer Science  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru

*M.H. Deginal*  
Authorized Signatory  
MAHESH DEGINAL  
MD/CEO

R R Institute of Technology	Karunadu Technologies Private Limited
Address: Raja Reddy Layout, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India	Address : #17, ATK complex, 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank, Guttesaveshwaranagar Chikkabanavara, Bengaluru Karnataka 560090
Tel : 08880001111	Tel : 09902913646, 09964823646
Email : <a href="mailto:cse@rrinstitutions.com">cse@rrinstitutions.com</a>	Email : <a href="mailto:karunadutechnologies@gmail.com">karunadutechnologies@gmail.com</a> , <a href="mailto:support@karunadutechnologies.com">support@karunadutechnologies.com</a>
Web : <a href="https://www.rrit.ac.in/">https://www.rrit.ac.in/</a>	Web : <a href="https://www.karunadutechnologies.com/">https://www.karunadutechnologies.com/</a>

*Sumanth V*  
Witness 1:  
Dr. Sumanth V  
Assistant Professor  
Dept. of CSE

*M. Harish N*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*M. Harish N*  
Witness 2:  
Mr. Harish N  
CTO Co-Founder  
Karunadu Technologies Pvt.Ltd.

*Dhananjaya M K*  
Witness 3:  
Mr. Dhananjaya M K  
Assistant Professor  
Dept. of CSE

*Sunil Kumar*  
Witness 4:  
Mr. Sunil Kumar  
Team Lead  
Karunadu Technologies Pvt.Ltd.

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[support@karunadutechnologies.com](mailto:support@karunadutechnologies.com), Website: [www.karunadutechnologies.com](http://www.karunadutechnologies.com)





उद्योग आधार



Udyog Aadhaar



D

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	KR03D0135478		

Udyog Aadhaar Registration Certificate

Udyog Aadhaar Number KR03D0135478  
Name of Enterprise KARUNADU TECHNOLOGIES PRIVATE LIMITED  
Location of Plant Details

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/Lane	Area/Locality	City	Pin	State	District
1	59	KARUNADU TECHNOLOGIES PRIVATE LIMITED	2ND MAIN, 1ST CROSS	NEAR SINGAPURA VILLAGE BUSSTOP, VIDYARANYAPURA	BANGALORE	560064	KARNATAKA	BENGALURU (URBAN)

Official Address of Enterprise 59, 2ND MAIN, 1ST CROSS, NEAR SINGAPURA VILLAGE BUSSTOP, VIDYARANYAPURA, BANGALORE  
District BENGALURU (URBAN) State KARNATAKA PIN 560064  
Mobile No: 9844625878 Email: karunadutechnologies@gmail.com

Date of commencement 19/07/2018  
Major Activity SERVICES  
Enterprise Type Micro  
Previous Registration details-If any ::

*M. R. Institute of Technology*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

National Industry Classification Code

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
1	62 - Computer programming, consultancy and related activities	6209 - Other information technology and computer service activities	62091 - Software installation	Services
2	85 - Education	8550 - Educational support services	85500 - Educational support services	Services

Acknowledgement Date of Filing 19/04/2020 Date of Printing 19/04/2020

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Printed from udyogaadhaar.gov.in

MyMsme Mobile App (Beta Version) is available for download. <https://play.google.com/store/apps/details?id=com.mymsme>

Corporate Profile

Organisation Reference ID

CORPORATE5f1c47af712161595688879

First name

karunadu Technologies Private Limited

Middle name

last name

Last name

last name

Mobile Number

9964823646

Organisation Name

Karunadu Technologies Private limited

Email



सत्यमेव जयते

GOVERNMENT OF INDIA  
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

## Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

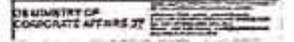
I hereby certify that **KARUNADU TECHNOLOGIES PRIVATE LIMITED** is incorporated on this Nineteenth day of July Two thousand eighteen under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is **U74999KA2018PTC114911**.

The Permanent Account Number (PAN) of the company is **AAHCK2014J**

The Tax Deduction and Collection Account Number (TAN) of the company is **BLRK18760A\***

Given under my hand at Manesar this Nineteenth day of July Two thousand eighteen .



Digital Signature Certificate  
**MUKESH KUMAR**

For and on behalf of the Jurisdictional Registrar of Companies  
Registrar of Companies  
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on [www.mca.gov.in](http://www.mca.gov.in)

Mailing Address as per record available in Registrar of Companies office:

**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

No 59 2nd Main, 1st Cross Near Singapura, Village Bus Stop

Vidyaranyapura, BANGALORE, Bangalore, Karnataka, India, 560064



\* as issued by the Income Tax Department

*Malab*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



Ref No: KTPT/INT/2021/0600

Date: 03-Jan-2022

## To Whomsoever It May Concern

### CERTIFICATE

This is to certify that Mr/Ms. TIWARI VISHAL LALLAN from RR Institution of Technology(CSE) bearing USN-1R118CS062 has successfully completed internship programme at Karunadu Technologies Private Limited from 01-Sep-2021 to 30-Sep-2021 and found the candidate's performance is good.

During his/her Internship, he/she was exposed to the various activities in field of Python and Machine Learning . During the course he/she was trained and he/she carried out projects on

1. 50 Start Up Using Linear Regression.
2. Salary Prediction Using KNN.
3. Laptop Price Using SVM.
4. Fish Weight Estimation Using Logistic Regression.

During the period of his/her Internship training with us he/she was found punctual, hardworking and inquisitive.

His/her association with us was very fruitful and we wish he/she all the best in his/her future endeavours.



Karunadu Technologies Pvt.Ltd.

*Mahesh*  
MAHESH DEGINAL  
Managing Director

Karunadu Technologies Pvt.Ltd.

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

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**KARUNADU TECHNOLOGIES PRIVATE LIMITED**  
 #17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
 Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

Ref No: KTPT/INT/2021/0289

Date: 20-Nov-2021

## To Whomsoever It May Concern

### CERTIFICATE

This is to certify that Mr/Ms. ANURAG PAUL from R. R Institution of Technology(CSE) bearing USN - IRII8CS011 has successfully completed internship programme at Karunadu Technologies Private Limited from 12-Mar-2021 to 12-Apr-2021 and found the candidate's performance is good.

During his/her Internship, he/she was exposed to the various activities in field of Python and Machine Learning . During the course he/she was trained and he/she carried out projects on

1. Prediction of Person Hired or Not In Marksdataset Using Logistic Regression Algorithm
2. Prediction Whether Loan is Approved or Not Using KNN Alogorithm

During the period of his/her Internship training with us he/she was found punctual, hardworking and inquisitive.

His/her association with us was very fruitful and we wish he/she all the best in his/her future endeavours.

SUNIL KUMAR  
 GUIDE  
 KARUNADU TECHNOLOGIES PRIVATE LIMITED  
 560 090  
 Karunadu Technologies Pvt.Ltd.

MAHESH DEGINAL  
 Managing Director  
 KARUNADU TECHNOLOGIES PRIVATE LIMITED  
 560 090  
 Karunadu Technologies Pvt.Ltd.

*Mahesh*  
 PRINCIPAL  
 R.R. INSTITUTE OF TECHNOLOGY  
 Chikkabanavara, Bangalore - 560 090.

Registered Office:

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PKM Educational Trust &

# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka  
Accredited by NAAC with 'B-'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

## ORGANIZING COMMITTEE

### Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head  
Department of CSE

### Organising Committee Members

**Dr. Niranjana C**

Professor, CSE Department

**Dr. Shivakumar Swamy N**

Professor, CSE Department

**Prof. Jyothi R**

Assist. Professor, CSE Department

### Student Co-ordinator

Mr. Manjil Dhungana, 5<sup>th</sup> Semester

Mrs. Sharmilaa R, 5<sup>th</sup> Semester

Mrs. Harshitha M.L., 7<sup>th</sup> Semester

**Cordially invites all Students of 5<sup>th</sup> & 7<sup>th</sup>  
Semester for**

**Guest Lecture**

**"APPLICATIONS OF ARTIFICIAL INTELLIGENCE  
AND MACHINE LEARNING"**

on

19<sup>th</sup> December 2022.

in

Association with ISTE Student Chapter Bengaluru  
and Karunadu Technologies



## CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

## GUEST SPEAKER

**Mr. Mahesh Deginal**

MD & CEO

Karunadu Technologies Private Limited

Bengaluru- 90

Venue

Seminar Hall @ 10:00 AM

Main Block, RRIT

*Mahesh*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

To be a Premier globally recognized Institute with ensuring academic excellence, Innovation and fostering Research in the field of Engineering



Since 1993

FKME Educational Trust &

# R. R. Institute of Technology

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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

## Attendance Sheet

Guest Lecture on "Applications of Artificial Intelligence and Machine Learning"  
On  
19<sup>th</sup> December 2022

Sl. No.	USN No	Name	Signature
1	1RI20CS001	ABHIRAM MURALI	
2.	1RI20CS002	ABHISHEK KUMAR	Abhishek kumar
3.	1RI20CS003	AKSHAY KUMAR	Akshay Kumar
4.	1RI20CS006	ANAGHA UNNI	Anagha
5.	1RI20CS008	ANANYA E	Ananya E
6.	1RI20CS009	ANKIT DHALA SAMANTA	Ankit
7.	1RI20CS010	ASHWATH REDDY S	AS
8.	1RI20CS011	AYAN KUMAR JANA	Ayan Jana
9.	1RI20CS012	BASANTA PAL	Basant Pal
10.	1RI20CS013	BHAGYAREKHA S	Bhagyarekha
11.	1RI20CS014	BIRBAL	Birbal
12.	1RI20CS015	DEEPAK R	DR
13.	1RI20CS016	HARSHITHA K	HR
14.	1RI20CS017	HARSHITHA M	HR
15.	1RI20CS018	HEMA G	Hema
16.	1RI20CS019	HETHISHE B J	HB
17.	1RI20CS022	KISHAN C L	KB
18.	1RI20CS023	LALLAN SHARMA	Lallan Sharma
19.	1RI20CS024	LAXMI	Laxmi
20.	1RI20CS025	MANJUNATH NAIK L	Manjunath
21.	1RI20CS026	MOHAMMED GHOUSE J	MG
22.	1RI20CS027	MOHAMMED UMAR FAROOK	MU Farook
23.	1RI20CS028	MOHITH G KALYAN	Mohith
24.	1RI20CS029	M S SWAROOP	MS Swaroop
25.	1RI20CS030	MUSTHAFA	Musthafa
26.	1RI20CS032	NAVEEN P L	Naveen PL
27.	1RI20CS033	NISANTA NATH	Nisanta
28.	1RI20CS034	NIYATHI A REDDY	Niyathi
29.	1RI20CS035	PRAJAPATHI SIRISHA SHANKAR	PS Shankar
30.	1RI20CS036	PRAVEEN KUMAR O	Praveen
31.	1RI20CS037	PREM KUMAR S R	PKSR
32.	1RI20CS038	PRIYANSHU PRAKHAR	PP

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33.	1RI20CS039	R VINAY PATIL	AB
34.	1RI20CS040	RITIKKUMAR C SHETTY	AB
35.	1RI20CS041	SALONI KUMARI	AB
36.	1RI20CS042	SANA AFREEN	AB
37.	1RI20CS043	SANJANA M DESOOR	AB
38.	1RI20CS044	SAURABH JEE	AB
39.	1RI20CS045	SHARMILAA R	AB
40.	1RI20CS046	SHRAVANI P	AB
41.	1RI20CS047	SINCHANA S	AB
42.	1RI20CS048	SITESH ROY	AB
43.	1RI20CS049	SNEHA L	AB
44.	1RI20CS050	SOUMYADEEP PATRA	AB
45.	1RI20CS051	SRUSHITI H K	AB
46.	1RI20CS052	SUHAIL N	AB
47.	1RI20CS053	SUNIL R	AB
48.	1RI20CS054	SURAJ M	AB
49.	1RI20CS055	SURBHI	AB
50.	1RI20CS056	TANMOY CHAKRABORTY	AB
51.	1RI20CS057	Total Attended:	AB
52.	1RI20CS058	TEJASWINI S	AB
53.	1RI20CS059	THARUN K	AB
54.	1RI20CS060	VENKATESH DILIP GAROLE	AB
55.	1RI20CS061	YUKTHA M	AB
56.	1RI20CS062	DIPU KUMAR SAH	AB
57.	1RI20CS063	SUNIL KUMAR SHAH	AB
58.	1RI20CS064	MANJIL DHUNGANA	AB
59.	1RI20CS065	DIP KUMAR SHAH	AB
60.	1RI20CS066	DHANANJAY SAH	AB
61.	1RI21CS400	KHUSHBU BHANDERI	AB
62.	1RI21CS401	SANDEEP BHATTARIA	AB
63.	1RI21CS402	YASHAS N KUMAR	AB

Total: 41

*Joshi*  
Coordinators

*Joshi*  
HOD

*Mahesh*  
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Head of Department  
Department of Computer Science & Engg  
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Department of Computer Science & Engineering

## Attendance Sheet

Guest Lecture on "Applications of Artificial Intelligence and Machine Learning"  
On  
19<sup>th</sup> December 2022

Sl. No.	USN No	Name	Signature
01	1RI21CS015	Aman Roushan	
02	1RI21CS111	Sreenandhana P S	
03	1RI21CS103	Shamshila B	Shamshila B
04	1RI21CS109	Sneha D. Nayak	
05	1RI21CS007	Abhinav Singh	
06	1RI21CS001	Aarati	AR
07	1RI21CS062	Mohamed Ramshad	
08	1RI21CS065	MOHAMMED ZAHID	
09	1RI21CS052	Jobin P. Thomas	
10	1RI21CS060	Md Aashif Raza	
11	1RI21CS056	Lingaraj muradi	
12	1RI21CS067	MOHITH H.L	Mohith H
13	1RI21CS057	M.N. Shashank	
14	1RI21CS119	Rajal Arshad Belman	
15	1RI21CS043	Purnanraj R	
16	1RI21CS009	M. H. U. N	
Total = 16			
Total = 17			

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Department of Computer Science & Engineering

Date: 22/12/2022

## Report Guest Lecture on “Applications of Artificial Intelligence and Machine Learning” dated on 19<sup>th</sup> December 2022.



Department of CSE had conducted a Guest Lecture on “Applications of Artificial Intelligence and Machine Learning” in Association with ISTE student Chapter for all 5<sup>th</sup> & 7<sup>th</sup> Semester students on 19<sup>th</sup> December 2022. The session started at 10:30 am by welcoming the Guest, HOD, Students and Staff of RRIT. The program was conducted at Seminar Hall Main Block, RRIT and 57 students were participated. Mr. **Mr. Mahesh Deginal**, MD & CEO, Karunadu Technologies Private Limited provided information regarding Applications of Artificial Intelligence and Machine Learning. In the session of day he discussed about how the language Python emerged, introduction about Python. Importance of Machine learning, how Artificial Intelligence is taking more importance now a days.

Artificial intelligence (AI) is a science that includes reproduction of intelligent behaviors in the machineries, like visual awareness, conclusion making, speech appreciation and so on. Artificial Intelligence else known as AI, it is the development and the theory of some CPU systems which are able to undertake certain tasks which will normally need the intelligence of individuals. The responsibilities that are usually in need of the human intelligence are the likes of conversion of langu<sup>g</sup> making decisions appreciation of speech amongst others. Artificial intelligence may great ing the capability of the existing economy. But it may have an even greater impact by serving as a new general-purpose "method of invention" that can reshape the nature of the invention process and the organization of R&D. Artificial Intelligence is a research method that focuses on building systems, or "agents," that work intelligently in a given area and decide to take specific steps based on pre-planned prices and "desirable" areas.

One aim of machine learning is to devise algorithms that can supplement, or supplant, domain experts in knowledge engineering situations. Students gave positive response towards the session.

*Mahesh*  
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Department of Computer Science & Engineering

## Gallery





Myadarahalli, Karnataka, India  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Myadarahalli, Karnataka 560090, India  
19/12/22 02:43 PM GMT +05:30

GPS Map Camera



Myadarahalli, Karnataka, India  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Myadarahalli, Karnataka 560090, India  
19/12/22 02:44 PM GMT +05:30

GPS Map Camera

*M. S. Srinivasan*  
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Department of CSE & ISE

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**Prof. Dhananjaya M K**

Assistant Professor, CSE Department

**Prof. Nithin K**

Assistant Professor, CSE Department

**Cordially invites all Students for**

Two Days workshop

On

**"IoT based Smart Building Automation Using Tinker cad and its applications"**

On 17<sup>th</sup> and 18<sup>th</sup> December 2020.

## CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman  
RRIT, Bangalore

## GUEST SPEAKER

Mr. Harish. N B.E. M.Tech. (Ph.D)

CTO, Karunadu Technologies Private Limited

Chikkabanavara,  
Bengaluru-560090

Mr. Mahesh Deginal B.E. M.Tech. (Ph.D)

Managing Director, Karunadu Technologies Private Limited

Chikkabanavara,  
Bengaluru-560090

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## Profile of the trainer

**Mr. Harish. N B.E, M. Tech, (Ph.D)**

**CTO**

Mr. Harish currently serving as a CTO at Karunadu Technologies Pvt Ltd. He has a Teaching experience of decades in various Engineering colleges in various positions and Technical Consultant, Technical advisor to different embedded industries. He worked in various domains like IoT Systems, RF Communications, Micro strip Patch Antenna, and Machine Learning. He has published various IEEE papers and other journals. He has worked on many industrial projects to provide sustainable design and expertise. Currently he works on python, Rasberry-Pi, Artificial Intelligence, Texas Instruments Boards, Advanced controllers, Image, Video Processing and Mat lab. His Vision is to Empower Unskilled Individual with knowledge, skills and technical competencies in the field of Information Technology and Embedded engineering which assist them to escalate as integrated individuals contributing to company's and Nation's growth. His vast expertise and Innovative thought process made to nurture a company along with Mr Mahesh Deginal in the year 2017.

**Mr. Mahesh Deginal B.E, M. Tech (VLSI Design and Embedded system) (Ph.D)**

**Managing Director**

Mr. Mahesh Deginal currently serving as a Managing Director at Karunadu Technologies Pvt. Ltd. He served in both Industries and Educational Institutions. He worked as a Assistant Professor and Senior Embedded engineer and various roles in industries. He has 7 plus year experience and he is expertise in domains such as Embedded System, IoT, Robotic engineering etc. He has published IEEE papers and other International journals in his credits. He has worked on many industrial projects and upgraded older systems to newer technologies. Currently he works on python, raspberry pi, Texas Instruments Boards, Advanced controllers and Matlab. His Vision is to Empower Unskilled Individual with knowledge, skills and technical competencies in the field of Information Technology and Embedded engineering which assist them to escalate as integrated individuals contributing to company's and Nation's growth. His Innovative and creative thinking made to nurtured a company in the year 2017.

  
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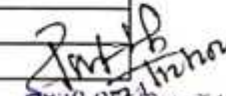
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**Two Days Workshop on "IoT based Smart Building Automation Using Tinker cad and its applications" on 17th and 18th Dec 2020**

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*P.M.L.B*  
*21/11/2020*  
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Department of Computer Science & Engineering

Date: 21/12/2020

### Report on Two Days Workshop on "IoT based Smart Building Automation Using Tinker cad and its applications" on 17<sup>th</sup> and 18<sup>th</sup> Dec 2020

Department of CSE had conducted Two Days Workshop on "IoT based Smart Building Automation Using Tinker cad and its applications" on 17<sup>th</sup> and 18<sup>th</sup> December 2020. Day Started at 10 am by welcoming the Management, Qac, Iqac, Principal, HOD, ISE&CSE, Students and Staff of RRIT including all the participants involved in the workshop.

The Workshop was conducted through **GoToMeeting** with total members of **59** which includes Faculties and students. The two days of Workshop was focused on IoT and its concepts. IoT describes a system that contains many things that are existing in the real world, along with sensors attached to them or embedded in these things, and connected to the Internet through a networked structure both as wireless or wired media to gain the target of it in development and evolutionary way.

#### The Two Days of Workshop highlights:

- IoT enables many aspects of the real world to be "observed" at a previously unattained level of detail and at negligible cost.
- IoT concepts make understanding of the underlying processes with more efficient control and management.
- The ability to react to events in the physical world in an automatic, rapid and informed manner not only opens up new opportunities for dealing with complex or critical situations, but also enables a wide variety of business processes to be optimized.
- Arduino boards are able to read inputs-light on a sensor, a finger on a button, or a Twitter message-and turn it into an output-activating a motor, turning on LED, publishing something online.

The Workshop ended around 4 pm noon by answering to all the questions asked by the students.

The two days workshop will be having both theory and practical concepts.

Here with attaching the screenshots of the event conducted, and report for your kind perusal

*M. Lakshmi*

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*P. M. H. H.*  
21/12/2020

HOD

Head of Department

Department of Computer Science & Eng.

R.R. Institute of Technology

Research: via Main Road

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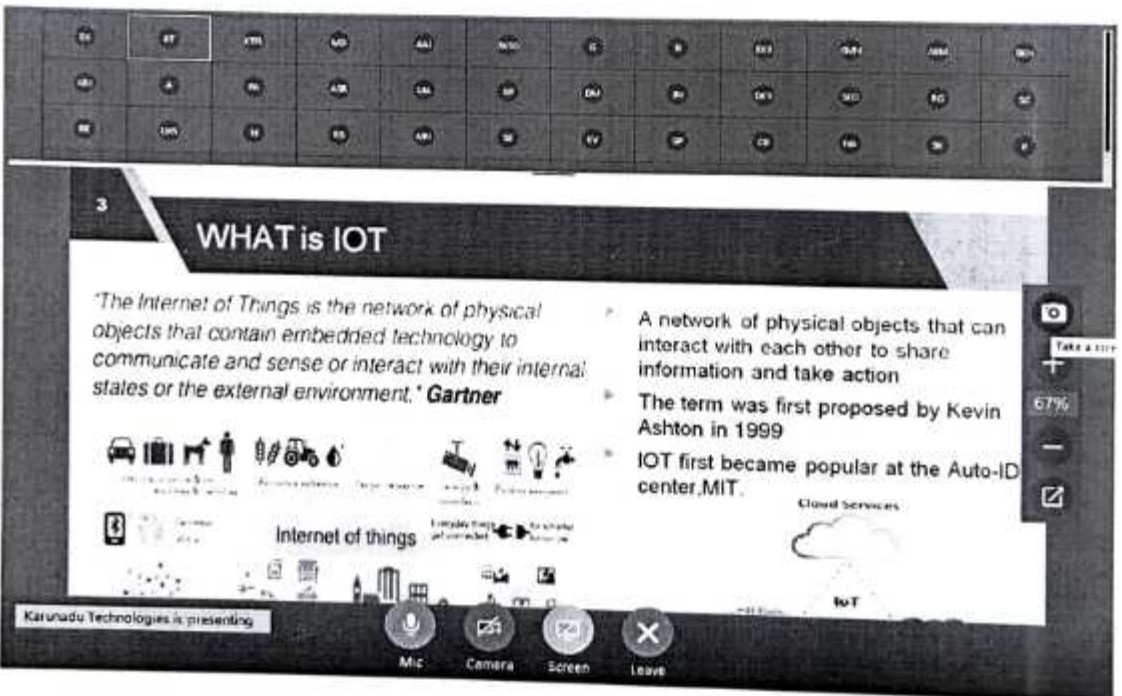
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## Gallery on Two Days Workshop on "IoT based Smart Building Automation Using Tinker cad and its applications" on 17<sup>th</sup> and 18<sup>th</sup> Dec 2020



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P.M.H  
Zilishiro

Head of Department  
Department of Computer Science & Engg.  
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Hesaragi, the Main Road  
Chikkabanavara, Bangalore

10

## VALUE IS CREATED BY MAKING SENSE OF DATA

More Important

Benefit to Humanity

Information

Answers to **WHERE** and **WHEN** questions

Knowledge

Answers to **WHO** and **WHAT** questions

Understanding

Appreciation of

Wisdom

Evaluated understanding

Karunadu Technologies is presenting

Mic Camera Screen Leave

20

## IOT APPLICATIONS

Smart Sprinkler Control

Control your smart sprinkler system remotely, anytime, with your smart phone. Add the benefits of an IoT smart sprinkler.

Smart Egg Tray

Glucose Monitoring

118

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*J. M. S.*  
Head of Department  
Department of Computer Science & Engg.  
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4

## Arduino Uno

- ✓ 14 Digital I/O pins
- ✓ 6 Analogue inputs
- ✓ 6 PWM pins
- ✓ USB serial
- ✓ 16MHz Clock speed
- ✓ 32KB Flash memory
- ✓ 2KB SRAM
- ✓ 1KB EEPROM



Karanadu Technologies Pvt. Ltd.

17 December 2020

Karanadu Technologies is presenting

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## digitalWrite(pin no, pin state)

digitalWrite function helps in Writing a Digital value to the Arduino Output Pin

`digitalWrite(pin, pin state)`

**pin:** The Arduino pin number,  
**value:** HIGH or LOW.

Ex:

```
digitalWrite(2, LOW); // Makes the output voltage on pin 2, 0V
digitalWrite(2, HIGH); // Makes the output voltage on pin 2, 5V
```

Karanadu Technologies Pvt. Ltd.

17 December 2020

Karanadu Technologies is presenting

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*P.M. HOD*  
21/12/2020  
HOD

Head of Department  
Department of Computer Science  
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## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 01<sup>st</sup> DAY of ---August ---Two Thousand and Twenty One (01/08/2021) by and between

### **R.R. Institute of Technology**

Department of Computer Science & Engineering

Raja Reddy Layout

Medaralli, Chikkabanavara, Bengaluru

Karnataka 560090, India, Tel: 088800 01111

THE FIRST PARTY represented herein by its Name of Competent Authority / Representative

AND

### **Manyathy Business Solutions**

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Rajarajeshwari Nagar, Bengaluru

Karnataka 560056, India, Contact : +91 9886168884

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### **ENTREPRENEURIAL SKILL DEVELOPMENT, OUTCOME BASED TRAININGS, PLACEMENT, AND RELATED SERVICES**

THE SECOND PARTY represented herein by its Name of Competent Authority /Representative (First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

Reg Office: #25, 1 Floor, Raghavendra Layout, Soppugudde, Thirthahalli, Shivamogga, Karnataka -577432

Branch Office: 880, 2<sup>nd</sup> Cross, 5<sup>th</sup> Stage, Rajarajeshwari Nagar, Bengaluru- 560098

Branch Office: Baligar Building, Behind Hans Hostel, Vidyanagar, Hubballi, Karnataka-580021

Website: <https://manyathy.com> |E-mail: [info@manyathy.com](mailto:info@manyathy.com)

*Melach*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



**Manyath Business Solutions**

WE DIGITIZE YOUR IDEAS

Reg. No: SMG-F1-2016-17

AICTE Registered – 16300613936128c35171989

**First party is a Higher Educational Institute named:**

**R. R. Institute of Technology**

First party and second party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

### **PURPOSE OF MOU**

**In particular, this MOU is intended to**

1. Enhance entrepreneurial mindsets among the students of Entrepreneurship Development certificate course under R. R Institute of Technology, Medaralli, Chikkabanavara, Bengaluru
2. Organize various workshops on Entrepreneurship Development
3. Conduct practical trainings on Entrepreneurship Development
4. Generate self-employment opportunities
5. Assist the students in establishing various start-ups
6. Arrange the placement of trained students

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:**

### **Clause 1**

### **CO-OPERATION**

- 1.1 Both parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations. The parties shall keep each other informed of potential opportunities and share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The co-operation between First Party and Second Party will facilitate effective utilization of the intellectual capabilities of the Second Party providing significant inputs to them in developing suitable teaching/ training systems, keeping in mind the needs of the First Party.

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Website: <https://manyath.com> | E-mail: [info@manyath.com](mailto:info@manyath.com)

*Mahesh*  
PRINCIPAL

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### Clause 2

#### SCOPE OF THE MOU

- 2.1 Both parties believe that close co-operation between the two would be a major benefit to the student community to enhance their skills and knowledge.
- 2.2 The Second Party will give valuable inputs to the First Party in teaching/ training methodology so that the students fit into the industrial scenario meaningfully.
- 2.3 The interaction between Industry and Community College Centre will give an insight into the latest developments /requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs/ Workshops/ Industrial Sites for the hands-on training of the learners enrolled with the First Party.
- 2.4 The Second Party will train the students of the First Party on the emerging technologies in order to bridge the gap in skill and make them ready for industry.
- 2.5 The Second Party will extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.
- 2.6 The Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs.

### Clause 3

#### VALIDITY

- 3.1 The validity of the agreement is **one year** from the date of agreement.
- 3.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

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Website: <https://manyathy.com> | E-mail: [info@manyathy.com](mailto:info@manyathy.com)

  
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## Manyathy Business Solutions

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3.3 Any dispute will be settled in the Court only where R. R Institute of Technology, is situated.

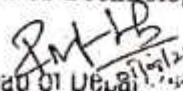
**First Party**  
R R Institute of Technology


**Second Party**  
Manyathy Business Solutions

### AGREED:

Dr. Manjunath R  
Professor & Head, CSE Department  
R R Institute of Technology

AKhil M R  
Managing Director  
Manyathy Business Solutions


  
Head of Department  
Department of Computer Science  
R.R. Institut of Technoi  
Hesaraghatta Main Road  
Chikkabanavara-Bangalore

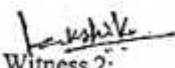
  
For Manyathy Business Solutions  
Director


Authorized Signatory


Authorized Signatory

R R Institute of Technology	Manyathy Business Solutions
Address: Raja reddy Layout, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India	Address : 880, 2nd Cross, 5th Stage, Rajarajeshwari Nagar, Bengaluru, Karnataka 560056, India,
Contact Details : 08880001111	Contact Details : +91 9886168884
E-mail : <a href="mailto:cse@rrinstitutions.com">cse@rrinstitutions.com</a> , Web : <a href="https://www.rrit.ac.in/">https://www.rrit.ac.in/</a>	E-mail : <a href="mailto:info@manyathy.com">info@manyathy.com</a> , Web : <a href="https://manyathy.com">https://manyathy.com</a>

  
Witness 1:  
Dr. Sumanth V  
Assistant professor  
Dept. of CSE

  
Witness 2:  
Mr. Lakshmikanth B  
Software Trainee  
Manyathy Business Solution

  
Witness 3:  
Mr. Dhananjaya M K  
Assistant professor  
Dept. of CSE

  
Witness 4:  
Mr. Kumar G  
Technical Manager  
Manyathy Business Solution

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

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Website: <https://manyathy.com> | E-mail: [info@manyathy.com](mailto:info@manyathy.com)



## FACILITIES AGREEMENT

THIS FACILITIES AGREEMENT ("this Agreement") is made effective as of the Effective Date (specified in Schedule 1) by and between Tata Consultancy Services Limited, a company incorporated under the Companies Act 1956, with its corporate office located at TCS House, Raveline Street, 21 D. S. Marg, Fort, Mumbai 400001, hereinafter referred as 'TCS' (which expression shall include its successors and assigns) and the Party specified in the Schedule 1 to this Agreement hereinafter referred as a 'LISP' (which expressions shall, unless the context requires otherwise, includes its successors and permitted assigns). In this Agreement, TCS and LISP are collectively referred as "Parties" and individually as a "Party".

### WHEREAS:

- a) TCS has certain shared software applications ("TCS Application System") which will be accessed/used by its customers ("Services");  
b) TCS needs certain infrastructure and facilities for delivering the Services to its Customer(s) effectively and LISP agreed to provide such infrastructure and Facilities ("Facilities");

### NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

#### 1. Definitions:-

"Confidential Information" shall mean and include all business strategies, plans and procedures, proprietary information, software program, documentation, tools, processes, methodologies, data and trade secrets, information relating to customers, employees, or business partners, and any other confidential or proprietary information and materials of the Disclosing Party, its affiliates, clients or suppliers that may be received or obtained by the Receiving Party as a result of this Agreement.

"Customer" shall mean the customer or customers of TCS to whom TCS is required to render Services from or using the Facilities.

"Facilities" shall mean the facilities as set out in Schedule 2:

"Location" shall mean the location or place of the LISP where the Facilities shall be made available to TCS.

"Term" shall mean the term as set out in the Schedule 1.

"Usage Period" shall mean the period during which the Facilities shall be made available by the LISP and shall be exclusively used by TCS. Usage Period shall be notified by TCS from time to time through a written notice to the LISP or can be agreed under the relevant Work Order.

"LISP" shall mean Local Infrastructure Service Provider

**2. Scope of Service:-** LISP hereby agrees to allow TCS and its Customers to use the Facilities during the Term of this Agreement. From time to time TCS shall notify the LISP of its requirement to use the Facilities prior to the commencement of the Usage Period, informing the LISP to make available the Facilities to TCS and allow free access to and use the Location(s) during the Usage Period to enable TCS to render Services to its Customers. This will be done by TCS by issuing specific Work Orders in the format attached herein as Schedule 3. The LISP, at their own discretion can choose to accept providing the Facilities to TCS by signing the aforesaid specific Work Order. LISP understands and agrees that time is of the essence of this Agreement and in the event of non-availability of the Facilities within the time agreed; TCS and its Customers would incur irreparable loss and damage both financial and reputational.

**3. Term and Renewal:-** This Agreement is effective during the Term as set out in Schedule 1 unless terminated earlier in accordance with the provisions of this Agreement.

**4. Facilities:-** On acceptance of the Work Order of TCS LISP shall make available the Facilities (as set out and specified in the said agreed Work Order) in working condition to TCS for the Usage Period throughout the Term. LISP shall allow free access to the Locations and the Facilities and shall assist and cooperate with TCS for the purposes of trial run and verification of the TCS Application System which shall be conducted prior to the Assessment Date and

to enable TCS to render Services to its Customers. In the event, the LISP has agreed to provide personnel as part of Facilities; the LISP shall ensure that such personnel have necessary expertise as required by TCS. LISP shall, at all times, comply with all work place or Location related rules, regulations or policies including confidentiality and other obligations under this Agreement. Notwithstanding anything contained herein, TCS shall be entitled to bring and take out its own tools, items, hardware, software, fixture, equipments or other materials as may be required for the purpose of rendering Services. TCS has the right to postpone the Usage Period

**5. Fees:-** TCS shall pay Fees to LISP as per Schedule 2. Each Work Order will specify the number of units to be supplied by LISP as may be mutually agreed between the Parties. All Fees payable under this Agreement shall be exclusive of all taxes.

**6. Representation and Warranties:-** Each Party represents, warrants and covenants to the other that: (i) it is duly organized and validly existing and in good standing under the laws of the Country; (ii) it has the full right and authority to enter into this Agreement and to perform all the obligations (including providing Facilities) under this Agreement and that this Agreement constitutes a legal, valid and binding obligation; and (iii) its execution, delivery and performance of this Agreement does not and will not conflict with or constitute a breach or default under, its charter of organization, any contract or other instrument to which it is a party. LISP shall indemnify, defend and hold harmless TCS and the Customer from and against any and all liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from breach of the aforesaid warranties or from the violation of any laws, rules, regulations or statutory requirements.

**7. Limitation of Liability:-** Neither Party shall be liable to the other for any special, indirect, incidental, consequential, punitive, loss of revenue and/or profit), exemplary or punitive damages, interest in contract, tort or other theories of law. Each Party has been advised of the possibility of such damages. The total cumulative liability of either party under this Agreement shall not exceed in aggregate the amount paid by TCS to the LISP under this Agreement. The limitation on any Party's liability herein shall not apply to liability for damages, resulting from (i) gross negligence or willful misconduct; or (ii) breach of confidentiality obligations or (iii) breach of clause 4 (Facilities) and clause 6 (Representations and Warranties) by LISP.

**8. Confidential Information:-** Each Party receiving the Confidential Information (the "Receiving Party") acknowledges and agrees to maintain the confidentiality of Confidential Information provided by the other Party (the "Disclosing Party") hereunder. The Receiving Party shall not disclose or disseminate the Disclosing Party's Confidential Information to any person other than those employees, agents, contractors, subcontractors and licensees of the Receiving Party, or its affiliates, who have a need to know it in order to assist the Receiving Party in performing its obligations, or to permit the Receiving Party to exercise its rights under this Agreement. The provisions of this Clause with respect to Confidential Information

*M. R. R.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TCS Proprietary and Confidential

*HR.*  
COMPETENT AUTHORITY  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

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to enable TCS to render Services to its Customers. In the event, the LISP has agreed to provide personnel as part of Facilities; the LISP shall ensure that such personnel have necessary expertise as required by TCS. LISP shall, at all times, comply with all work place or Location related rules, regulations or policies including confidentiality and other obligations under this Agreement. Notwithstanding anything contained herein, TCS shall be entitled to bring and take out its own tools, items, hardware, software, fixture, equipments or other materials as may be required for the purpose of rendering Services. TCS has the right to postpone the Usage Period

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**5. Limitation of Liability:-** Neither Party shall be liable to the other for any special, indirect, incidental, consequential (including loss of revenue and/or profit), exemplary or punitive damages, whether in contract, tort or other theories of law, even if the Party has been advised of the possibility of such damages. The total cumulative liability of either party under this Agreement shall not exceed in aggregate the amount paid by TCS to the LISP under this Agreement. The limitation on any Party's liability herein shall not apply to liability for damages, resulting from (i) gross negligence or willful misconduct; or (ii) breach of confidentiality obligations or (iii) breach of clause 4 (Facilities) and clause 6 (Representations and Warranties) by LISP.

**5. Confidential Information:-** Each Party receiving the Confidential Information (the "Receiving Party") acknowledges and agrees to maintain the confidentiality of Confidential Information provided by the other Party (the "Disclosing Party") hereunder. The Receiving Party shall not disclose or disseminate the Disclosing Party's Confidential Information to any person other than those employees, agents, contractors, subcontractors and licensees of the Receiving Party, or its affiliates, who have a need to know it in order to assist the Receiving Party in performing its obligations, or to permit the Receiving Party to exercise its rights under this Agreement. The provisions of this Clause with respect to Confidential Information

TCS Proprietary and Confidential

*M. R. R.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*M. R. R.*  
COMPETENT AUTHORITY  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

shall not apply to the extent, that such Confidential Information is: (a) already known to the Receiving Party free of any restriction at the time it is obtained from the Disclosing Party, (b) subsequently learned from an independent third party free of any restriction and without breach of this provision; (c) is or becomes publicly available through no wrongful act of the Receiving Party or any third party; (d) is independently developed by the Receiving Party without reference to or use of any Confidential Information of the Disclosing Party; or (e) is required to be disclosed pursuant to an applicable law, rule, regulation, government requirement or court order, or the rules of any stock exchange. Upon the Disclosing Party's written request at any time, or following the completion or termination of this Agreement, the Receiving Party shall promptly return to the Disclosing Party, or destroy, all Confidential Information of the Disclosing Party provided under or in connection with this Agreement, including all copies, portions and summaries thereof.

**4. Intellectual Property Rights:-** LISP agrees that all TCS Application System, deliverables and work products created or developed by LISP and/or TCS or its employees, representatives etc. using TCS Application System and/or Facilities under this Agreement, together with any associated copyright and other intellectual property rights, shall be the sole and exclusive property of TCS. TCS is allowed to use the name and address of the LISP which may be necessary to render the Services to its Customers.

**5. Termination:-** (10.1) Termination for convenience by TCS, TCS is entitled to terminate this Agreement by giving fifteen (15) days prior written notice to the LISP. (10.2) Termination for Material Breach,

Either Party may terminate this Agreement immediately by a written notice to the other Party in the event of a material breach which is not cured within thirty days of the receipt of the said notice period. (10.3) Effect of termination. Either party shall return to other party any of other party's confidential and proprietary information and material in its possession. LISP agrees that in the event of expiry or termination of this Agreement for any reason, any accepted and unexecuted Work Order shall be executed by the LISP and all the obligations under such Work Order shall be performed by the LISP.

**6. Miscellaneous:-** (11.1) LISP shall not assign or transfer this Agreement or any obligations hereunder to any third party, without the prior written consent of TCS. (11.2) Governing Law, Dispute Resolution and Jurisdiction. This Agreement shall be governed by and interpreted in accordance with the laws of India. All disputes arising between the Parties, out of this Agreement shall be referred for arbitration to a sole Arbitrator to be mutually agreed upon and proceedings shall be governed by the Arbitration and Conciliation Act 1996. The venue and seat of arbitration shall be Mumbai. Subject to arbitration, the courts in Mumbai shall have exclusive jurisdiction. (11.3) Entire Agreement. This Agreement sets forth the entire understanding of the Parties and supersedes all prior agreements and understandings between the Parties, with respect to the subject matter hereof) (11.4) Notice:- Any notice in connection with this Agreement shall be in writing in English and delivered by hand, facsimile, email (as specified in the Work Order) registered post or courier of international repute to the address mentioned in the introduction clause or any other address as may be informed to each other in writing by the Parties.

R R Institute of Technology.

By: Mr. Arun H.R.

Name: Mr. Arun. H.R

Title: Director of R R Institute of Technology

**COMPETENT AUTHORITY**  
**R.R. INST. OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

TATA Consultancy Services Ltd.

By: Mr. Venguswamy Ramaswamy

Name: Mr. Venguswamy Ramaswamy

Title: Global Head - TCS ION

SCHEDULE 1

TERMS OF AGREEMENT

<u>LISP Name</u>	<u>Registered office address</u>	<u>Details of Contact person</u>
R R Institute of Technology	R R Institute of Technology, #67, R R Layout, near Chikkabanavara railway station, Hesaraghatta Main Road, Bangalore-560090	Name : Parameshwara.P Designation : Training & Placement Officer RRIT Mob- 9686622349 Email- placement@rrinstitutions.com

<u>Contract Term</u>	<u>Effective Date</u>
3 years from Effective Date	1 <sup>st</sup> February 2014

18/12/14

Principal  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

**SCHEDULE 2**

**FACILITIES**

#	Description	Single Shift Price (INR)	Two Shift Price	Three Shift Price
1	Computer Nodes ( Per Node Contracted and Used Per Session)	*40 per node per session	*110 for 2 shifts	*140 for 3 shifts
2	LAN Facility	Assumed that contracted nodes are on LAN		
3	Surveillance Camera facility to record a session	*5,000 per session		
4	Recording Charges per CD/ DVD	*50 per CD/DVD		
5	Webcam for registration	*10 per day per webcam		
6	Internet Connectivity (with at least 30KBPS connectivity)	Assumed to be available		
7	Laser / Ink Jet Printer (Per Unit )	*100 per unit for the Usage period		
8	Printer	*100 per day per printer		
9	Print Per Sheet	*1 per sheet		
10	UPS	Assumed to be available		
11	Test centre Administrator	*750 per shift		
12	IT Managers	*750 per shift		
13	IT Assistants	*400 per shift		
14	Invigilators	*500 per shift		
15	Volunteers	*300 per shift		

#	Description	Single Shift Price	Two Shift Price	Three Shift Price
1	Generator back Up	Assumed to be available	Assumed to be available	Assumed to be available
2	Fuel Charges per Hour of Generator Usage	*600 per hour	*600 per hour	*600 per hour

Below mentioned items are assumed to be included by LISP at no charge.				
First Aid				
Fire Extinguishers				
Drinking water				
Cafeteria				
Rest Rooms and Toilets				

Any other facilities as agreed by the parties under a relevant Work Order

Location for provision of the aforesaid Infrastructure facilities is as agreed under the relevant Work Order:

TCS will raise a Work order every time the Facilities of the LISP are to be used and LISP shall raise invoice after the Usage Period. The payment will be made by TCS within thirty (30) days from the date of receipt of invoice.

*Handwritten:* 18/12/2014

*Handwritten signature:* HR.

**COMPETENT AUTHORITY  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.**

*Handwritten signature:*  
**PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.**



# R. R. Institute of Technology

Affiliated to VTU, Belgaum and Approved by AICTE, New Delhi

Recognized by Govt. of Karnataka

NAAC Accredited

Chikkabanavara, Bengaluru - 560090

Chief patron

Sri. Y. Raja Reddy

Chairman, PKMET  
Bengaluru

Patron

Sri. Kiran H. R.

Secretary, PKMET  
Bengaluru

Sri. Arun H. R.

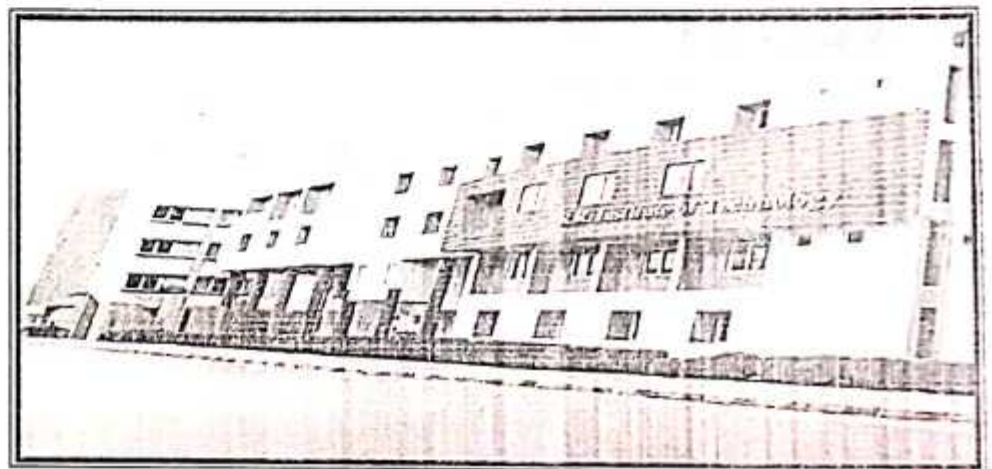
Director, PKMET  
Bengaluru



## Student Development Program

on

"Solidity in Developing Smart Contracts in Block Chain Application"



Organized by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Administrator

Prof. Maya Salimath G.

Director QAC - R. R. Institutions  
Bengaluru

Chair person

Dr. Mahendra K.V.

Principal, RRT  
Bengaluru

Convener

Dr. Manjunath R.

Professor and Head  
Department of CSE

Resource Person

Mr. Amith K.

Managing Director  
Manyathy Business Solutions  
Bengaluru

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Organizing Committee

Prof. Shruthi S.

Assistant Professor  
Department of CSE, RRT

Prof. Veema V.

Assistant Professor  
Department of CSE, RRT

Prof. Balraju .

Assistant Professor  
Department of CSE, RRT

DATE : 15th & 16th October

Open to all students

E-Certificate will be issued to all Participants

For Contact  
9900376988

Registration Link :

<https://forms.gle/7a8eUzCQNs0w6t11A>



**Attendance for SDP on Solidity in Developing Smart Contracts in Block Chain Applications 15th and 16th October 2021**


Sl.No	Name	College Name(short form )	Department	Phone number
1	Nithin k	RRIT	Cse	9900376988
2	ABHILASH L BHAT	RRIT	ISE	9164465694
3	Dr Naveen .M	RRIT	ISE	9986763937
4	Karan Ray Tharu	RRIT	CSE	8431727268
5	Akash Kumar	RRIT	ISE	6206963330
6	Md Ajajur Rahman	RRIT	ISE	9.19609E+11
7	Lokesh Yadav	RRIT	CSE	9060402634
8	ELIAS ALI	RRIT	CSE	6002082526
9	DEVENDRA SAHU	RRIT	CSE	6264882617
10	Surbhi	RRIT	CSE	8294392018
11	Akshay Kumar Rana	RRIT	C.S.E.	8876140065
12	Swetha K B	RRIT	Ise	9.19987E+11
13	Riyazulla Rahman J	RRIT	CSE	8095914758
14	Yalageri Harsha	RRIT	CSE	9591328967
15	Harshitha J	RRIT	ISE	9986864254
16	SNEHAKIRAN	RRIT	CSE	9.19344E+11
17	Barun Roy	RRIT	CSE	7980052659
18	Aditya Shinde	RRIT	ISE	9175713104
19	CHITRAKSH SINGH	RRIT	CSE	0992 628 0521
20	PRANITHA H	RRIT	CSE	9986082866
21	Prajna	RRIT	CSE	9538722466
22	Sapna Singh	RRIT	CSE	9.19136E+11
23	Rahul.d	RRIT	ECE	7353416381
24	Geetha R	RRIT	ISE	9686199358
25	THEJASWINI D	RRIT	Basic science	9008959778
26	Akshay Rao J	RRIT	Science and	8217751557
27	Manasa S	RRIT	Ece	9.19903E+11
28	VARUN B	RRIT	Communication	9.1988E+11
29	Rahul Kumar Yadav	RRIT	CSE	9.77982E+12
30	LIKHITH GOWDA K	RRIT	CSE	9606849258
31	T M SRIDHARA	RRIT	Physics	9.19448E+11
32	MISBAH FALAK M	RRIT	CSE	1
33	Sunanda C V	RRIT	EEE	9986582781
34	ABHILASH L BHAT	RRIT	ISE	9164465694
35	Govardhan KN	RRIT	CSE	9036208404
36	Ashim Roy	RRIT	CSE	9434500329
37	Dhananjaya M K	RRIT	CSE	9886265638


*Melach*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabennavara, Bangalore - 560 090.

*[Signature]*  
Head of Department  
Department of Computer Science & Engg  
R.R. Institut of Technology  
Hesaraghatta Main Road  
Bangalore

38	Madhu L	RRIT	CSE	8310096700
39	Bibek Modak	RRIT	CSE	88y1816894
40	Debojyoti Mondal	RRIT	Ise	8945899803
41	NISHANT DAGADU AVHAD	RRIT	ISE	9594131516
42	Chitharanjan Das V	RRIT	ECE	9008003090
43	Md Arman Khan	RRIT	CSE	9.17739E+11
44	Suman kr dey	RRIT	CSE	9732458960
45	Aurobindo Koti	RRIT	CSE	9886764470
46	Emmanuel Rajarathnam	RRIT	ISE	9845582195
47	ANUSHA.S	RRIT	CSE	7406641144

  
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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

Date: 17/10/2021

## Report for Hands on SDP on "Solidity in Developing Smart Contracts in Block chain Applications"

15<sup>th</sup> and 16<sup>th</sup> Oct 2021

Department of CSE had conducted a Hands on SDP on "Solidity in Developing Smart Contracts in Block chain Applications" for students of Computer Science and Information Science on 15<sup>th</sup> and 16<sup>th</sup> Oct 2021. This webinar was open to other branch students and faculties as well. The Session Started at 2.30 pm by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT.

The program was conducted online through Google Meet application with total number of 47 participants. Mr. Amith K S, Assistant Professor of Computer Science and Engineering Department from *SDM institute of Technology, Ujire, Karnataka* gave one and half an hour hands on session on Android & Firebase on both the days.

### The workshop highlights:

- Introduction to Android, provided Configuration details for installing and executing program on Android IDE.
- Discussed Machine learning tools provided under Firebase.
- Hands on session on Firebase, demonstrated connection of android application to Firebase
- Demonstrated the usage of Real time Database.
- Demonstrated the usage of Firebase Real Database tool with an example.
- Developed an Authentication application and integrated application with Firebase

*Melash*  
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*Amith K S*  
HEAD OF DEPARTMENT  
Department of Computer Science & Engineering  
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Department of Computer Science & Engineering

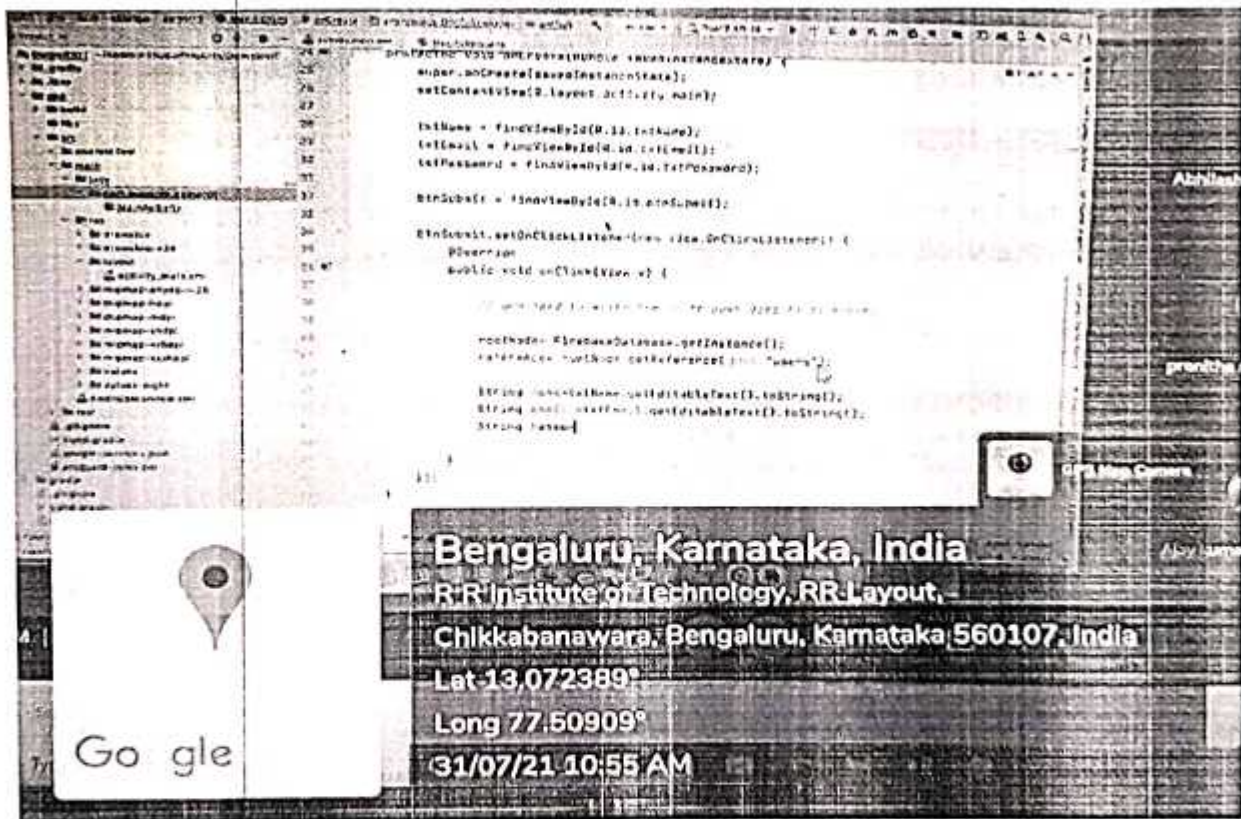
## Gallery of workshop on "Solidity in Developing Smart Contracts in Block chain Applications" on 15<sup>th</sup> and 17<sup>th</sup> October 2021

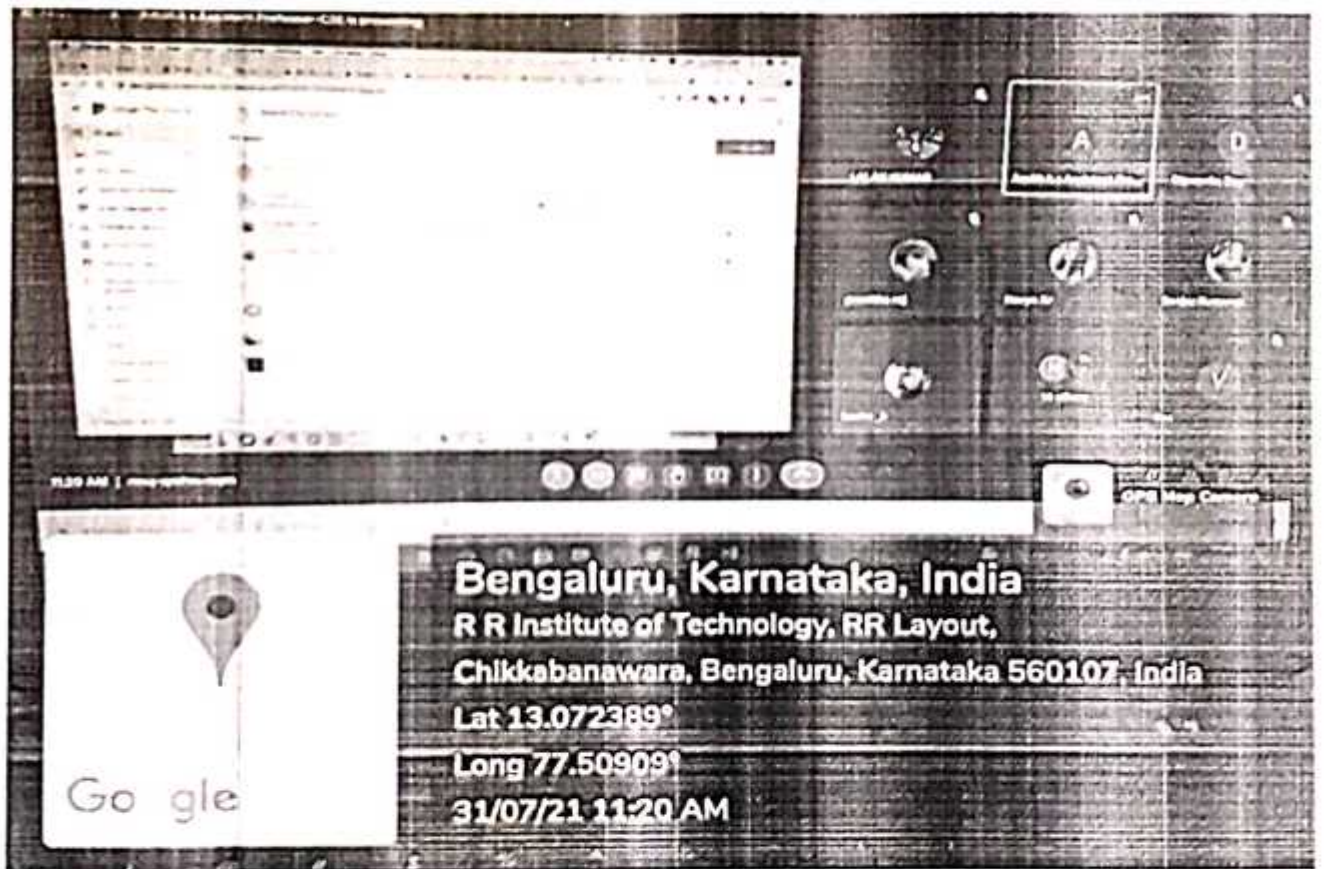
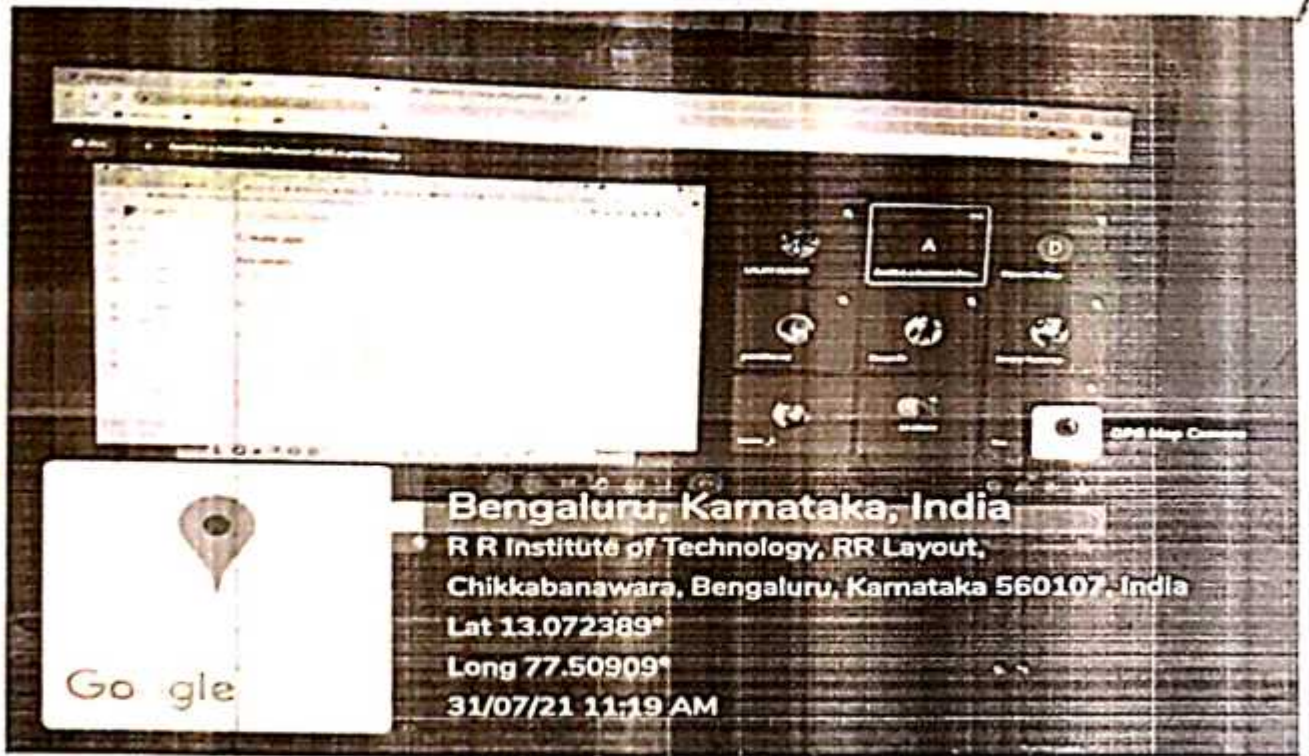


*Melaha*  
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*S. V. S.*  
Department of Computer Science  
R.R. Institute of Technology  
Heavenly Home Main Road  
Chikkabanavara, Bangalore





*[Handwritten Signature]*  
 HOD

*Mahesh*  
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 Chikkabanavara, Bangalore - 560 090.

Head of Department  
 Department of Computer Science  
 R.R. Institute of Technology  
 Hesaraghatta Main Road  
 Chikkabanawara Bangalore



*Memorandum of Understanding (MoU)*  
*BETWEEN*  
*Department of Computer Science & Engineering*  
**R.R. Institute of Technology**  
Bangalore, Karnataka 560 090  
*AND*  
**ParvaM ConsulTech Pvt. Ltd.,**

Bangalore, Karnataka 560 090

**Date: 20-02-2020**

This Memorandum of Understanding (MoU) is entered amongst Department of Computer Science & Engineering, R.R. Institute of Technology, (hereinafter referred to as "RRIT") the college established in 2008 and having its campus at Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara, Bangalore - 560 090.

And

**ParvaM ConsulTech Pvt. Ltd.,** (Hereinafter referred to as "ParvaM") situated at Bengaluru.

In course of this MoU, both the parties to MoU mentioned above have been individually referred to as "Party" and jointly as "Parties".

WHEREAS, ParvaM under the aegis of the Corporate Sustainability Program (CSP), has identified the need for imparting quality training in the "Data Science, Big Data, Machine Learning, Artificial Intelligence, Cloud Computing, IOT and Software Development" domain to Engineering Students across the Engineering colleges in the country. The main intent behind this initiative is to better equip young Engineering and to increase their awareness and industry connect. Company has taken an initiative to develop certain skills in the new engineering so that they can be productive and able to provide solutions to the real world problems.

  
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support@parvam.com www.parvam.com



**AND WHEREAS, R.R. Institute of Technology** strives to serve as a center for fostering co-operation and exchange of ideas between the academic and research community on the hand and the industrial and Governmental employers on the other, and to promote entrepreneurship among the students & to co-operate with industries both in public and private sectors with a view to devising courses of instruction which would meet the requirements of such industries

**AND WHEREAS,** both the parties have expressed a common interest in providing **Industry relevant training, Workshops, Internship, Placement Assistance** to the Engineering students, enhance their awareness, expand their industry connect and in the process, increase their employability.

The parties intend to enter in to this MoU to provide a frame work as per below terms and conditions to evaluate the area of collaboration between them and establish certain rights and obligations between the parties during such evaluation.

#### **Terms and Conditions**

1. **ParvaM** Company imparts training to students and faculty of the college and professionals working in the field during the mutually convenient period either at the institution or at the Industry.
2. Collaborated activities between the industry and the institution include two way transfer of technical information and knowledge through collaborative programs like guest lectures, seminars, symposia and other interactive programs. Deputation of technical experts/staff between the college and company.
3. Provide access to knowledge resources at the institution and the industry. Utilize with consent the laboratory and testing facilities available at the institute/industry for the execution of joint ventures/activities. Provide technical assistance/guidance to UG/PG projects undertaken and research work of mutual interest.
4. Participation in joint research projects of DST, CSIT, CREDEL etc., and public sector units. Participation of joint consultancy. Promote and support Innovative projects undertaken by students and Staff of and **ParvaM**.
5. **R.R. Institute of Technology** commits to make available the students, professors, training rooms and licensed software on computers / Workstations/ servers during the program as may be required.
6. **ParvaM** may give the opportunity to the qualified engineering students (who also fulfill the selection criteria set out by HR, ParvaM) to attend campus interviews however subjected to the recruitment plan/policy of the company.
7. In order to assess the impact of the program on the student's career, company requires details about the student's after graduation in terms of placement and higher-education. The college management agrees to provide this data and all support required to capture this information to company.

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- 8. Proprietary information disclosed by the company in the course of discussions and training under this MoU shall be kept highly confidential. College shall not use company's name or its trademarks or make any reference to the MoU or the program in any manner of publicity without company's prior written consent.
- 9. R.R. Institute of Technology is aware that the business activities of company are self-regulated by the "company Code of Conduct" which is incorporated by reference herein.
- 10. This MoU is effective from the date of signing and will remain valid unless terminated by either Party, upon thirty (30) days written notice to others Parties.
- 11. It is also agreed upon the MoU does not restrict company to implement the program in the other university/institutes.
- 12. Neither this MoU nor any negotiations or other understandings prior or pursuant to the execution of the MoU shall constitute a binding and legally enforceable agreement, nor give rise to any liability, between the parties. Notwithstanding the foregoing, however, the provisions of "Confidentiality", "Intellectual Property Rights" and "Term and Termination" shall be binding upon and enforceable in accordance with their terms against the parties and their successors and permitted assigns.

The Parties have caused their respective duly authorized representatives to execute and deliver this Agreement on the date mentioned hereinabove.

**For Dept. CSE RRIT**

**For ParvaM ConsulTech Pvt. Ltd,**

Name: *Dr. Manjunath R*

Name: *Santhesh*

Designation: Professor

Designation: Director

Signature: *[Handwritten Signature]*

Signature: *[Handwritten Signature]*

*[Handwritten Signature]*  
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P A R V A M

## Certificate of Internship

Date : 01/12/2020

### To Whomsoever It May Concern

This is to certify that **Mr. yashwanth T U**, of R.R Institute of Technology, has successfully completed his internship program of 4 weeks with **ParvaM ConsulTech Pvt. Ltd.** By contributing towards the development of the project titled "**E-commerce Grocery App**".

During the tenure of internship from **8th July 2020** to **3rd August 2020**, we found him resourceful with quick learning capabilities making significant contribution towards the project activities assigned.

We wish him all the very best for a bright future.



Mohammed Habeeb  
Co-Founder & CEO  
ParvaM ConsulTech Pvt. Ltd.

**Note:** This is a digitally generated certificate and the seal is not required.



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# PARVAM

## Certificate of Internship

Date: 31/05/2022

### To Whomsoever It May Concern

This is to certify that Ankit Dhala Samanta, of RR Institution of Technology, has successfully completed his internship program of 2 weeks with ParvaM ConsulTech Pvt. Ltd. By contributing towards the development of the project titled "Java Development".

During the tenure of internship from 16<sup>th</sup> MAY 2022 to 28<sup>th</sup> MAY 2022, we found him resourceful with quick learning capabilities making significant contribution towards the project activities assigned.

We wish him all the very best for a bright future.



Mohammed Habe

Co-Founder & CEO

ParvaM ConsulTech Pvt Ltd



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## Certificate of Internship

Date : 31/05/2022

### To Whomsoever It May Concern

This is to certify that Manjil Dhungana, of RR Institution of Technology, has successfully completed his internship program of 2 weeks with ParvaM ConsulTech Pvt. Ltd. By contributing towards the development of the project titled "Java Development".

During the tenure of internship from 16<sup>th</sup> MAY 2022 to 28<sup>th</sup> MAY 2022, we found him resourceful with quick learning capabilities making significant contribution towards the project activities assigned.

We wish him all the very best for a bright future

  
Mohammed Hafe

Co-Founder & CEO

ParvaM ConsulTech Pvt Ltd

  
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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Department of Computer Science & Engineering**

## ORGANIZING COMMITTEE

### Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC -R. R. Institutions

### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head  
Department of CSE

### Organising Committee Members

**Dr. Shivakumar Swamy N**

Professor, CSE Department

**Prof. Veena V**

Assistant Professor, CSE Department

**Prof. Sowmya N**

Assistant Professor, CSE Department

### Student Co-ordinator

Mr. Manjil Dhungana, 6<sup>th</sup> Semester

Ms. Ananya E, 6<sup>th</sup> Semester

Mr. M S Swaroop 6<sup>th</sup> Semester

**Cordially invites all Students & Staff for**

## Workshop on "The Future of Automation with IoT & Cloud: A Hands-on Training Program "

on

28<sup>th</sup> and 29<sup>th</sup> April 2023

in Association with ParvaM



### CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

### GUEST SPEAKERS

**Mr. Mohit Santhosh**

Technology Director and CTO

ParvaM Consul-tech Pvt Ltd

**Dr. Shashikanth Reddy**

Head, R & D

ParvaM Consul-tech Pvt Ltd

Venue :

Seminar Hall

Main Block, RRIT

*Mahesh*  
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Chikkabanavara, Bangalore - 560 090.

To be a Premier globally recognized Institute with ensuring academic excellence, Innovation and fostering Research in the field of Engineering



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Department of Computer Science & Engineering

## Attendance Sheet (6<sup>th</sup> sem)

### “The Future of Automation with IoT & Cloud: A Hands-on Training Program “

On

28<sup>th</sup> and 29<sup>th</sup> April 2023 ( Day 2 )







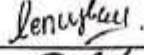
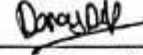
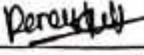

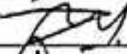




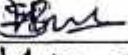
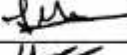




Sl. No.	USN No	Name	29/04/2023 Session 1	29/04/2023 Session 2	29/04/2023 Session 3
1.	IRI20CS001	ABHIRAM MURALI	AB	AB	AB
2.	IRI20CS002	ABHISHEK KUMAR	Abhishek	Abhishek	Abhishek
3.	IRI20CS003	AKSHAY KUMAR	Akshay	Akshay	Akshay
4.	IRI20CS006	ANAGHA UNNI	Anagha	Anagha	Anagha
5.	IRI20CS008	ANANYA E	Ananya E	Ananya E	Ananya E
6.	IRI20CS009	ANKIT DHALA SAMANTA	Ankit	Ankit	Ankit
7.	IRI20CS010	ASHWATH REDDY S	S. Ashwath	S. Ashwath	S. Ashwath
8.	IRI20CS011	AYAN KUMAR JANA	Ayan	Ayan	Ayan
9.	IRI20CS012	BASANTA PAL	Basant Pal	Basant Pal	Basant Pal
10.	IRI20CS013	BHAGYAREKHA S	Bhagyarekha	Bhagyarekha	Bhagyarekha
11.	IRI20CS014	BIRBAL	Birbal	Birbal	Birbal
12.	IRI20CS015	DEEPAK R	Deepak R	Deepak R	Deepak R
13.	IRI20CS016	HARSHITHA K	Harshitha	Harshitha	Harshitha
14.	IRI20CS017	HARSHITHA M	Harshitha M	Harshitha M	Harshitha M
15.	IRI20CS018	HEMA G	Hema G	Hema G	Hema G
16.	IRI20CS019	HETHISHE B J	Hethishe	Hethishe	Hethishe
17.	IRI20CS022	KISHAN C L	Kishan	Kishan	Kishan
18.	IRI20CS023	LALLAN SHARMA	Lallan	Lallan	Lallan
19.	IRI20CS024	LAXMI ..	Laxmi	Laxmi	Laxmi
20.	IRI20CS025	MANJUNATH NAIK L	Manjunath	Manjunath	Manjunath
21.	IRI20CS026	MOHAMMED GHOUSE J	Mohammed	Mohammed	Mohammed
22.	IRI20CS027	MOHAMMED UMAR FAROOK	Farooq	Farooq	Farooq

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23.	IRI20CS028	MOHITH G KALYAN	AB	AB	AB
24.	IRI20CS029	M S SWAROOP	<del>Swaroop</del>	<del>Swaroop</del>	<del>Swaroop</del>
25.	IRI20CS030	MUSTHAFA	AB	AB	AB
26.	IRI20CS032	NAVEEN P L	AB	AB	AB
27.	IRI20CS033	NISANTA NATH	<del>Nisanta</del>	<del>Nisanta</del>	<del>Nisanta</del>
28.	IRI20CS034	NIYATHI A REDDY	AB	AB	AB
29.	IRI20CS035	PRAJAPATHI SIRISHA SHANKAR	P. Sisi	P. Sisi	P. Sisi
30.	IRI20CS036	PRAVEEN KUMAR O	<del>Praveen</del>	<del>Praveen</del>	<del>Praveen</del>
31.	IRI20CS037	PREM KUMAR S R	<del>Prem</del>	<del>Prem</del>	<del>Prem</del>
32.	IRI20CS038	PRIYANSHU PRAKHAR	Priyanshu	Priyanshu	Priyanshu
33.	IRI20CS039	R VINAY PATIL	<del>R Vinay</del>	<del>R Vinay</del>	<del>R Vinay</del>
34.	IRI20CS040	RITIKKUMAR C SHETTY	AB	AB	AB
35.	IRI20CS041	SALONI KUMARI	<del>Saloni</del>	<del>Saloni</del>	<del>Saloni</del>
36.	IRI20CS042	SANA AFREEN	<del>Sana</del>	<del>Sana</del>	<del>Sana</del>
37.	IRI20CS043	SANJANA M DESOOR	AB	AB	AB
38.	IRI20CS044	SAURABH JEE	<del>Saurabh</del>	<del>Saurabh</del>	<del>Saurabh</del>
39.	IRI20CS045	SHARMILAA R	<del>Sharmila</del>	<del>Sharmila</del>	<del>Sharmila</del>
40.	IRI20CS046	SHRAVANI P	<del>Shravani</del>	<del>Shravani</del>	<del>Shravani</del>
41.	IRI20CS047	SINCHANA S	AB	AB	AB
42.	IRI20CS048	SITESH ROY	<del>Sitesh</del>	<del>Sitesh</del>	<del>Sitesh</del>
43.	IRI20CS049	SNEHA L	<del>Sneha</del>	<del>Sneha</del>	<del>Sneha</del>
44.	IRI20CS050	SOUMYADEEP PATRA	<del>Soumyadeep</del>	<del>Soumyadeep</del>	<del>Soumyadeep</del>
45.	IRI20CS051	SRUSHTI H K :	<del>Srushti</del>	<del>Srushti</del>	<del>Srushti</del>
46.	IRI20CS052	SUHAIL N	<del>Suhail</del>	<del>Suhail</del>	<del>Suhail</del>
47.	IRI20CS053	SUNIL R	AB	AB	AB
48.	IRI20CS054	SURAJ M	<del>Suraj</del>	<del>Suraj</del>	<del>Suraj</del>
49.	IRI20CS055	SURBHI	<del>Surbhi</del>	<del>Surbhi</del>	<del>Surbhi</del>
50.	IRI20CS056	TANMOY CHAKRABORTY	<del>Tanmoy</del>	<del>Tanmoy</del>	<del>Tanmoy</del>
51.	IRI20CS057	TEJASWINI R C	<del>Tejaswini</del>	<del>Tejaswini</del>	<del>Tejaswini</del>
52.	IRI20CS058	TEJASWINI S	<del>Tejaswini</del>	<del>Tejaswini</del>	<del>Tejaswini</del>
53.	IRI20CS059	THARUN K	<del>Tharun</del>	<del>Tharun</del>	<del>Tharun</del>
54.	IRI20CS060	VENKATESH DILIP GAROLE	<del>Venkatesh</del>	<del>Venkatesh</del>	<del>Venkatesh</del>
55.	IRI20CS061	YUKTHA M	<del>Yuktha</del>	<del>Yuktha</del>	<del>Yuktha</del>
56.	IRI20CS062	DIPU KUMAR SAH	<del>Dipu</del>	<del>Dipu</del>	<del>Dipu</del>

  
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57.	IRI20CS063	SUNIL KUMAR SHAH			
58.	IRI20CS064	MANJIL DHUNGANA			
59.	IRI20CS065	DIP KUMAR SHAH			
60.	IRI20CS066	DHANANJAY SAH			
61.	IRI21CS400	KHUSHBU BHANDERI			
62.	IRI21CS401	SANDEEP BHATTARIA			
63.	IRI21CS402	YASHAS N KUMAR			

Total Attended: 54

  
Coordinators

  
HOD

HEAD OF DEPARTMENT  
Department of Computer Science & IT  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara Bangalore

  
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Department of Computer Science & Engineering

## Attendance Sheet (6<sup>th</sup> sem)

### “The Future of Automation with IoT & Cloud: A Hands-on Training Program “

On

28<sup>th</sup> and 29<sup>th</sup> April 2023 ( Day 1 )

Sl. No.	USN No	Name	28/04/2023 Session 1	28/04/2023 Session 2	28/04/2023 Session 3
1.	IRI20CS001	ABHIRAM MURALI	AB	AB	AB
2.	IRI20CS002	ABHISHEK KUMAR	Abhishek	Abhishek	Abhishek
3.	IRI20CS003	AKSHAY KUMAR	Akshay	Akshay	Akshay
4.	IRI20CS006	ANAGHA UNNI	Anagha	Anagha	Anagha
5.	IRI20CS008	ANANYA E	Ananya E	Ananya E	Ananya E
6.	IRI20CS009	ANKIT DHALA SAMANTA	Ankit	Ankit	Ankit
7.	IRI20CS010	ASHWATH REDDY S	S. Ansh	S. Ansh	S. Ansh
8.	IRI20CS011	AYAN KUMAR JANA	Ayan	Ayan	Ayan
9.	IRI20CS012	BASANTA PAL	Basanta	Basanta	Basanta
10.	IRI20CS013	BHAGYAREKHA S	Bhagya	Bhagya	Bhagya
11.	IRI20CS014	BIRBAL	Birbal	Birbal	Birbal
12.	IRI20CS015	DEEPAK R	Deepak	Deepak	Deepak
13.	IRI20CS016	HARSHITHA K	Harshitha K	Harshitha K	Harshitha K
14.	IRI20CS017	HARSHITHA M	Harshitha	Harshitha	Harshitha
15.	IRI20CS018	HEMA G	Hema G	Hema G	Hema G
16.	IRI20CS019	HETHISHE B J	Hethish	Hethish	Hethish
17.	IRI20CS022	KISHAN C L	Kishan	Kishan	Kishan
18.	IRI20CS023	LALLAN SHARMA	Lallan	Lallan	Lallan
19.	IRI20CS024	LAXMI	Laxmi	Laxmi	Laxmi
20.	IRI20CS025	MANJUNATH NAIK L	Manjunath	Manjunath	Manjunath
21.	IRI20CS026	MOHAMMED GHOUSE J	Mohammed	Mohammed	Mohammed
22.	IRI20CS027	MOHAMMED UMAR FAROOK	Mohammed	Mohammed	Mohammed

Melank.

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23.	IRI20CS028	MOHITH G KALYAN	APB	APB	APB
24.	IRI20CS029	M S SWAROOP	<del>APB</del>	<del>APB</del>	<del>APB</del>
25.	IRI20CS030	MUSTHAFA	APB	APB	APB
26.	IRI20CS032	NAVEEN P L	APB	APB	APB
27.	IRI20CS033	NISANTA NATHI	<del>APB</del>	<del>APB</del>	<del>APB</del>
28.	IRI20CS034	NIYATHI A REDDY	APB	APB	APB
29.	IRI20CS035	PRAJAPATHI SIRISHA SHANKAR	P. sirish	P. sirish	P. sirish
30.	IRI20CS036	PRAVEEN KUMAR O	P. Praveen	P. Praveen	P. Praveen
31.	IRI20CS037	PREM KUMAR S R	Praveen	Praveen	Praveen
32.	IRI20CS038	PRIYANSHU PRAKHAR	<del>APB</del>	<del>APB</del>	<del>APB</del>
33.	IRI20CS039	R VINAY PATIL	<del>APB</del>	<del>APB</del>	<del>APB</del>
34.	IRI20CS040	RITIKKUMAR C SHETTY	APB	APB	APB
35.	IRI20CS041	SALONI KUMARI	<del>APB</del>	<del>APB</del>	<del>APB</del>
36.	IRI20CS042	SANA AFREEN	S. Afreen	S. Afreen	S. Afreen
37.	IRI20CS043	SANJANA M DESOOR	APB	APB	APB
38.	IRI20CS044	SAURABH JEE	Saurabh	Saurabh	Saurabh
39.	IRI20CS045	SHARMILAA R,	Shr	Shr	Shr
40.	IRI20CS046	SHRAVANI P	Shravani	Shravani	Shravani
41.	IRI20CS047	SINCHANA S	APB	APB	APB
42.	IRI20CS048	SITESH ROY	Sitesh	Sitesh	Sitesh
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45.	IRI20CS051	SRUSHTI H K	<del>APB</del>	<del>APB</del>	<del>APB</del>
46.	IRI20CS052	SUHAIL N	<del>APB</del>	<del>APB</del>	<del>APB</del>
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49.	IRI20CS055	SURBHI	<del>APB</del>	<del>APB</del>	<del>APB</del>
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56.	IRI20CS062	DIPU KUMAR SAH	Dipu	Dipu	Dipu

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57.	1R120CS063	SUNIL KUMAR SHAH	<i>Sunil</i>	<i>Sunil</i>	<i>Sunil</i>
58.	1R120CS064	MANJIL DHUNGANA	<i>Manjil</i>	<i>Manjil</i>	<i>Manjil</i>
59.	1R120CS065	DIP KUMAR SHAH	<i>Dip Kumar</i>	<i>Dip Kumar</i>	<i>Dip Kumar</i>
60.	1R120CS066	DIHANANJAY SAH	<i>Dihananjay</i>	<i>Dihananjay</i>	<i>Dihananjay</i>
61.	1R121CS400	KHUSHBU BHANDERI	<i>Khushbu</i>	<i>Khushbu</i>	<i>Khushbu</i>
62.	1R121CS401	SANDEEP BHATTARIA	<i>Sandeep</i>	<i>Sandeep</i>	<i>Sandeep</i>
63.	1R121CS402	YASHAS N KUMAR	<i>Yashas</i>	<i>Yashas</i>	<i>Yashas</i>

Total Attended: 54

*Jagan*  
Coordinators

*J.M.H.*  
HOD

HEAD OF DEPARTMENT  
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R.R. Institute of Technology  
Hesaraghatta Main Road  
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*Mahesh*  
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Department of Computer Science & Engineering

Date: 29/04/2023

## Report on Workshop on "The Future with IOT & Cloud: A Hands-On Training Program"

On

28<sup>th</sup> & 29<sup>th</sup> April 2023

Department of CSE had conducted a workshop on "The Future with IOT & Cloud: A Hands-On Training Program" for 6<sup>th</sup> Sem CSE students on 28<sup>th</sup> & 29<sup>th</sup> April 2023. The session started at 9:30 am by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT. The program was conducted at CAED Lab, RRIT and 54 students and four Faculty were participated. Mr. Shashikanth Reddy Head, R&D ParvaM Consul-tech Pvt Ltd and Mr. Mohit Santhosh Technology Director and CTO ParvaM Consul-tech Pvt Ltd provide information regarding IOT.

After the inauguration, the content flow, objectives and outcomes of the workshop were discussed. In the session of day he discussed about what is IOT from scratch. The Internet of Things (IoT) describes the network of physical objects—"things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet. These devices range from ordinary household objects to sophisticated industrial tools. With more than 7 billion connected IoT devices today, experts are expecting this number to grow to 10 billion by 2020 and 22 billion by 2025. Oracle has a network of device partners.

Over the past few years, IoT has become one of the most important technologies of the 21st century. Now that we can connect everyday objects—kitchen appliances, cars, thermostats, baby monitors—to the internet via embedded devices, seamless communication is possible between people, processes, and things. By means of low-cost computing, the cloud, big data, analytics, and mobile technologies, physical things can share and collect data with minimal human intervention. In this hyperconnected world, digital systems can record, monitor, and adjust each interaction between connected things. The physical world meets the digital world—and they cooperate.

*M. Lakshmi*  
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*P. Anitha*

Head of Department  
Department of Computer Science & Engineering  
R.R. Institute of Technology  
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Chikkabanavara, Bangalore

Industrial IoT (IIoT) refers to the application of IoT technology in industrial settings, especially with respect to instrumentation and control of sensors and devices that engage cloud technologies. Refer to this Titan use case PDF for a good example of IIoT. Recently, industries have used machine-to-machine communication (M2M) to achieve wireless automation and control. But with the emergence of cloud and allied technologies (such as analytics and machine learning), industries can achieve a new automation layer and with it create new revenue and business models. IIoT is sometimes called the fourth wave of the industrial revolution, or Industry 4.0. The following are some common uses for IIoT:

- Smart manufacturing
- Connected assets and preventive and predictive maintenance
- Smart power grids
- Smart cities
- Connected logistics
- Smart digital supply chains

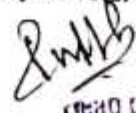
IIoT Intelligent Applications are prebuilt software-as-a-service (SaaS) applications that can analyse and present captured IIoT sensor data to business users via dashboards. We have a full set of IIoT Intelligent Applications. IIoT applications use machine learning algorithms to analyse massive amounts of connected sensor data in the cloud. Using real-time IIoT dashboards and alerts, you gain visibility into key performance indicators, statistics for mean time between failures, and other information. Machine learning-based algorithms can identify equipment anomalies and send alerts to users and even trigger automated fixes or proactive counter measures. With cloud-based IIoT applications, business users can quickly enhance existing processes for supply chains; customer service, human resources, and financial services. There's no need to recreate entire business processes.

The Arduino Integrated Development Environment - or Arduino Software (IDE) - contains a text editor for writing code, a message area, a text console, a toolbar with buttons for common functions and a series of menus. It connects to the Arduino hardware to upload programs and communicate with them.

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. This software can be used with any Arduino board. Programs written using Arduino Software (IDE) are called sketches. These sketches are written in the text editor and are saved with the file extension .ino. The editor has features for cutting/pasting and for searching/replacing text. The message area gives feedback while saving and exporting and also displays errors.

  
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The console displays text output by the Arduino Software (IDE), including complete error messages and other information. The bottom righthand corner of the window displays the configured board and serial port. The toolbar buttons allow you to verify and upload programs, create, open, and save sketches, and open the serial monitor.

Libraries provide extra functionality for use in sketches, e.g. working with hardware or manipulating data. To use a library in a sketch, select it from the **Sketch > Import Library** menu. This will insert one or more **#include** statements at the top of the sketch and compile the library with your sketch. Because libraries are uploaded to the board with your sketch, they increase the amount of space it takes up. If a sketch no longer needs a library, simply delete its **#include** statements from the top of your code.

There is a list of libraries in the reference. Some libraries are included with the Arduino software. Others can be downloaded from a variety of sources or through the Library Manager. Starting with version 1.0.5 of the IDE, you do can import a library from a zip file and use it in an open sketch. See these instructions for installing a third-party library.

Sensor interfacing is a mix of amplification, filtering, and other signal conditioning as well as analog-to-digital conversion. The analog-to-digital converter (ADC) may be in your microcontroller, but you will still need to make the sensor compatible with the ADC input.


#### **Connect to your microcontroller:**

1. Use the USB cable to connect the microcontroller to your computer. ...
2. Once plugged in, the microcontroller should appear as a USB drive called "PYBFLASH". ...
3. In Google Chrome, open the Beagle Term app to connect to your sensor.

Broadly, in the internet of things, a sensor interface is a bridge between a device and any attached sensor. The interface takes data collected by the sensor and outputs it to the attached device, for example, a water level sensor passing data to a radio transmitter.

This is where Internet of Things would come into play. The workshop on "The Future with IOT & Cloud: A Hands-On Training Program" Program ended on successful note, along with an encouraging feedback from the students.

  
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Department of Computer Science & Engineering

Date: 29/04/2022

## Gallery



*H. Lakshmi*  
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GPS Map Camera



**Myadarahalli, Karnataka, India**

Main Block, RR Institute Of Technology, Medaralli, Chikkabanavara,  
Myadarahalli, Karnataka 560090, India

Lat 13.070552°

Long 77.510845°

28/04/23 09:49 AM GMT +05:30



GPS Map Camera



**Myadarahalli, Karnataka, India**

Main Block, RR Institute Of Technology, Medaralli, Chikkabanavara,  
Myadarahalli, Karnataka 560090, India

Lat 13.070546°

Long 77.511022°

29/04/23 10:25 AM GMT +05:30



GPS Map Camera



**Myadarahalli, Karnataka, India**

Main Block, RR Institute Of Technology, Medaralli, Chikkabanavara,  
Myadarahalli, Karnataka 560090, India

Lat 13.070667°

Long 77.510809°

28/04/23 12:35 PM GMT +05:30



GPS Map Camera



**Myadarahalli, Karnataka, India**

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Lat 13.070552°

Long 77.510845°

28/04/23 09:49 AM GMT +05:30



## MEMORANDUM OF UNDERSTANDING

BETWEEN

**R.R. Institute of Technology, Bangalore**  
(A Constituent College of VTU, Belagavi)

AND

**ACRANTON TECHNOLOGIES PVT. LTD., Bangalore**

This agreement made and entered into on this February, of 2020 between R.R. Institute of Technology, Bangalore, Karnataka, an Institute approved by AICTE, New Delhi and a Constituent College of Visvesvaraya Technological University, Belagavi, with the Company ACRANTON TECHNOLOGIES PVT. LTD. with its office at, Opp Gangadharaiah Kalyana mantappa, Chikkabanavara main road, Kereguddadahalli Bengaluru-560090.

### 1. OBJECTIVES OF THE MOU

The objective of this Memorandum of Understanding is:

- a. To promote and initiate interaction between RRIT and ACRANTON TECHNOLOGIES PVT. LTD. in mutually beneficial areas.

### 2. PROPOSED MODES OF COLLABORATION

RRIT and ACRANTON TECHNOLOGIES PVT. LTD. propose to collaborate through

- a. Develop projects in collaboration with RRIT incubation centre.
- b. Sponsoring student projects / Internships in Four Years of BE.
- c. Sponsoring R&D projects, which may be carried out wholly at RRIT or at premises of ACRANTON TECHNOLOGIES PVT. LTD. or partly at RRIT and partly at ACRANTON TECHNOLOGIES PVT. LTD.
- d. Any other appropriate mode of interaction agreed upon between RRIT and ACRANTON TECHNOLOGIES PVT. LTD.

Each of the above modes of interaction will be initiated by entering into a separate agreement between the two parties.

### 3. FORMS OF RESEARCH AND DEVELOPMENT PROGRAMS

The form of any of the said Research and Development Program (hereinafter referred to as "Research Program") will be subject to a separate Research Agreement entered into by the Parties but may also include the following:

  
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- a. **In their own existing facilities** - The performance of research individually by each Party or concurrently by both Parties in mixed groups at their own facilities with regular exchanges of results.
- b. **In a separate Research and Development Facility** - The performance of research by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported/ sponsored by either Party.
- c. **Third parties** - The performance of research by the Parties together with one or more third parties.

#### 4. TECHNICAL AREAS OF COLLABORATION

The principal technical areas of collaboration between RRIT and ACRANTON TECHNOLOGIES PVT. LTD. will be as set out in Annexure A.

#### 5. AGREEMENTS FOR RESEARCH COLLABORATION

Each research collaboration undertaken by the parties hereunder shall be initiated by the signing of a separate research agreement between the parties, which will describe in detail:

- a. The nature, scope and schedule of the research collaboration.
- b. The form of the research collaboration.
- c. The estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. The treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) which result from the research collaboration or which belong to a party and are used in research collaboration.
- e. Other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

#### 6. CONFIDENTIALITY

- a. During and for a period of two years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.

  
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- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
- Is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
  - Is already known or become known to the receiving party
  - Is received from a third party having no obligations of confidentiality to the disclosing party,
  - Is independently developed by the receiving party; or
  - Is required to be disclosed by law or court order.

## 7. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

## 8. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire - **TWO years after** the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research Agreement, Confidentiality clause as referenced in clause 6 above, or any other agreement entered in pursuant to this MOU, which obligations shall survive any such termination.

## 9. RELATIONSHIP

Nothing in this MOU shall be construed to make party a partner, an agent or legal representative of the other for any purpose.

## 10. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

*Melank*  
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**11. COSTS OF THE MOU**

Each Party shall bear the respective costs of carrying out the obligations under this MOU.

**12. SIGNED IN DUPLICATE**

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of  
RRIT, Bangalore

On behalf of  
COMPANY

By :  
Name : Dr. Manjmath R  
Title : HOD, CSE Dept, RRIT, Bangalore  
Date : 03/02/2020

By :  
Name : Chandana L S  
Title : IT Manager  
Date : 03/02/2020.

Witness:

1. Emmanuel R  
2. Dr. Navan. M

Witness:

1. [RAKSHITHA K.S]  
2. Chandana [CHANDANA L.S]

Dr. Manjmath R  
03/02/2020

Head of Department  
Department of Computer Science &  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore



Principal

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*Annexure A: Technical Areas of Collaboration - Enclosed*

**Annexure A: Technical Areas of Collaboration**

1. Conducting short-term and long-term training programs for students of UG
2. Conduction of Internship / Professional Practice for students of UG completely at RRIT or at premises of ACRANTON TECHNOLOGIES PVT. LTD. or partly at RRIT and partly at ACRANTON TECHNOLOGIES PVT. LTD.
3. Conducting the Faculty Development Program (FDP) / Short Term Training Programs (STTPs) for Faculty at premises of RRIT.
4. Conduction of workshops/seminars/technical talks for students.
5. Technical Assistance for UG students' projects.
6. Submission R&D project proposals jointly to the sponsoring agencies and execution of the same.
7. Mutual exchange of expertise for the collaborative projects and consultancy works.

*M. S. S.*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



सत्यमेव जयते

GOVERNMENT OF INDIA  
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

## Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

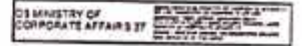
I hereby certify that ACRANTON TECHNOLOGIES PRIVATE LIMITED is incorporated on this Twenty second day of March Two thousand eighteen under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares.

The Corporate Identity Number of the company is U74999KA2018PTC111531.

The Permanent Account Number (PAN) of the company is AAQCA6874R

The Tax Deduction and Collection Account Number (TAN) of the company is BLRA27788F\*

Given under my hand at Manesar this Twenty second day of March Two thousand eighteen .



Digital Signature Certificate  
MUKESH KUMAR

Deputy Registrar Of Companies

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on [www.mca.gov.in](http://www.mca.gov.in)

Mailing Address as per record available in Registrar of Companies office:

ACRANTON TECHNOLOGIES PRIVATE LIMITED  
4666 SREE MALATHESHA 9TH CROSS,, SIDDAVEERAPPA EXTN,,  
DAVANGERE, Davanagere, Karnataka, India, 577004



\* as issued by the Income Tax Department

*Melash*  
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Chikkabanavara, Bangalore - 560 090.




Government of India  
Form GST REG-06  
[See Rule 10(1)]

Registration Certificate

Registration Number : 29AAQCA6S74R1ZD

1.	Legal Name	ACRANTON TECHNOLOGIES PRIVATE LIMITED			
2.	Trade Name, if any	ACRANTON TECHNOLOGIES PRIVATE LIMITED			
3.	Constitution of Business	Private Limited Company			
4.	Address of Principal Place of Business	4666, SREE MALATHESHA 9TH CROSS, SIDDAVEERAPPA EXTN, DAVANGERE, KARNATAKA, Davangere, Karnataka, 577004			
5.	Date of Liability				
6.	Period of Validity	From	09/05/2018	To	NA
7.	Type of Registration	Regular			
8.	Particulars of Approving Authority				
Signature		Validity unknown Digitally signed by CA GOODS AND SERVICES TAX NETWORK 1 Date: 2018.07.09 04:13:36 IST			
Name					
Designation					
Jurisdictional Office					
9. Date of issue of Certificate		09/07/2018			
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of application on 09/05/2018 .

  
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Chikkabanavara, Bangalore - 560 090.



Government of India  
Form GST REG-06  
[See Rule 10(1)]

Registration Certificate

Registration Number : 29AAQCA6874R1ZD

1.	Legal Name	ACRANTON TECHNOLOGIES PRIVATE LIMITED			
2.	Trade Name, if any	ACRANTON TECHNOLOGIES PRIVATE LIMITED			
3.	Constitution of Business	Private Limited Company			
4.	Address of Principal Place of Business	4666, SREE MALATHESHA 9TH CROSS, SIDDAVEERAPPA EXTN, DAVANGERE, KARNATAKA, Davangere, Karnataka, 577004			
5.	Date of Liability				
6.	Period of Validity	From	09/05/2018	To	NA
7.	Type of Registration	Regular			
8.	Particulars of Approving Authority				
Signature		Validity unknown Digitally signed by R. R. INSTITUTE OF GOODS AND SERVICES TAX NETWORK 1 Date: 2018.07.09 04:13:36 IST			
Name					
Designation					
Jurisdictional Office					
9.	Date of issue of Certificate	09/07/2018			
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of application on 09/05/2018 .

*R.R. Institute*  
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Chikkabanavara, Bangalore - 560 090.



GSTIN 29AAQCA6874R1ZD  
Legal Name ACRANTON TECHNOLOGIES PRIVATE LIMITED  
Trade Name, if any ACRANTON TECHNOLOGIES PRIVATE LIMITED

**Details of Managing / Whole-time Directors and Key Managerial Persons**

1		Name	HONNALI CHANNAPPA BHARATH
		Designation/Status	DIRECTOR
		Resident of State	Karnataka
2		Name	BATHI KANNAVAR CHETHAN
		Designation/Status	DIRECTOR
		Resident of State	Karnataka

  
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Chikkabanavara, Bangalore - 560 090.

# Memorandum of Understanding

## MoU

Certify that the MoU has been signed by and  
between R R Institute of Technology, Bengaluru and  
“Acranton Technologies Pvt Ltd, Bengaluru” on 13<sup>th</sup>  
November 2021 to promote mutual co-operation a  
per mandate between both the parties in the event o  
Industry Institute Interaction.



*Mahendra*  
Signed by:

Dr Mahendra K V  
Principal

*Mamatha*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*for Mamatha*  
Signed by:

Mr Chandana L S  
Managing Director

Date: 13/11/2021





# ACRANTON TECHNOLOGIES PRIVATE LIMITED

EMPOWERED BY INNOVATION

#1/10, 1st Floor, Opp Gangadharaiah Kalyanamantapa, Chikkabanavara Main Road,  
Kereguddadahalli, Bengaluru-560090

Website: [www.acranton.com](http://www.acranton.com), E-mail: [info\\_blr@acranton.com](mailto:info_blr@acranton.com)

GSTIN :29AAQCA6874R1ZD, PAN: AAQCA6874R, TAN: BLRA27788F, CALL: +91 9739731771, 7406520142

Date: 28<sup>th</sup> SEP, 2020

To Whom So Ever It May Concern

## SUB: Internship Completion Certificate

This is to certify that a student PALLAVI K Bachelor of Engineering in Computer Science and Engineering, USN -1RI17CS029, R R Institute of Technology, has successfully completed her internship from 5<sup>TH</sup> AUG 2020 to 23<sup>rd</sup> SEP 2020 on INTERNET OF THINGS at ACRANTON TECHNOLOGIES PVT. LTD., BANGLORE.

She has been worked on the IOT project. During the period of her internship program with us she was found punctual, hardworking and inquisitive.

We wish her good luck



Branch Manager  
Acranton Technologies Pvt Ltd

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



# ACRANTON TECHNOLOGIES PRIVATE LIMITED

EMPOWERED BY INNOVATION

#1/10, 1st Floor, Opp Gangadharaiah Kalyanamantapa, Chikkabanavara Main Road,  
Kereguddadahalli, Bengaluru-560090

Website: [www.acranton.com](http://www.acranton.com), E-mail: [info\\_blr@acranton.com](mailto:info_blr@acranton.com)

GSTIN :29AAQCA6874R1ZD, PAN: AAQCA6874R, TAN: BLRA27788F, CALL: +91 9739731771, 7406520142

Date: 28<sup>th</sup> SEP, 2020

To Whom So Ever It May Concern

## SUB: Internship Completion Certificate

This is to certify that, a student PREETHI D Bachelor of Engineering in Computer Science and Engineering, USN -IRI17CS031 , R R Institute of Technology , has successfully completed her internship from 5<sup>TH</sup> AUG 2020 to 23<sup>rd</sup> SEP 2020 on INTERNET OF THINGS at ACRANTON TECHNOLOGIES PVT. LTD., BANGLORE.

She has been worked on the IOT project. During the period of her internship program with us she was found punctual, hardworking and inquisitive.

We wish her good luck



Branch Manager  
Acranton Technologies Pvt Ltd

*Melaha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

# ACRANTON TECHNOLOGIES PRIVATE LIMITED

EMPOWERED BY INNOVATION



#1/10, 1<sup>st</sup> floor, opp Gangadharalah Kalyana mantappa, Chikkabanavara main road,

Keregodlalahalli, Bengaluru-560090

Website: [www.acranton.com](http://www.acranton.com), E-mail: [info\\_bkr@acranton.com](mailto:info_bkr@acranton.com)

FAN: AAQCAG874R, TAN: BURA277881

---

Date: 17<sup>th</sup> OCT 2022

To Whomsoever It May Concern

## Internship Completion Certificate

This is to certify that, a student **M S Swaroop** Bachelor of Engineering in Computer Science and Engineering, **USN—1R120CS029**, RR Institute of technology, has successfully completed his internship from 3<sup>rd</sup> OCT 2022 to 15<sup>th</sup> OCT 2022 on Machine Learning with Python at ACRANTON TECHNOLOGIES PVT LTD, Bangalore.

He worked on the PML project. During the period of his internship program with us he was found punctual, hardworking and inquisitive.

We wish him good luck.



Chandana L S

Director

Acranton Technologies Pvt Ltd

A handwritten signature in green ink, likely belonging to the Principal of R.R. Institute of Technology.

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

# ACRANTON TECHNOLOGIES PRIVATE LIMITED

INSPIRED BY INNOVATION



#1/10, 1<sup>st</sup> floor, opp Gangadharalah Kalyana mantappa, Chikkabanavara main road,  
Kereguddadahalli, Bengaluru-560090

Website: [www.acranton.com](http://www.acranton.com), E-mail: [info@acranton.com](mailto:info@acranton.com)  
PAN: AAQCA6874R, TAN: DLRA27788F

---

Date: 17th OCT 2022

To Whomsoever It May Concern

## Internship Completion Certificate

This is to certify that, a student **Lallan Sharma** Bachelor of Engineering in Computer Science and Engineering. USN—**1R120CS023**, RR Institute of technology, has successfully completed his internship from 3<sup>rd</sup> OCT 2022 to 15<sup>th</sup> OCT 2022 on Machine Learning with Python at ACRANTON TECHNOLOGIES PVT LTD, Bangalore.

He worked on the PML project. During the period of his internship program with us he was found punctual, hardworking and inquisitive.

We wish him good luck.



Chandana L S  
Director  
Acranton Technologies Pvt Ltd

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



**MEMORANDUM OF UNDERSTANDING (MoU)**

**BETWEEN**

**RAJA REDDY INSTITUTE OF TECHNOLOGY  
(BANGALORE)**

**&**

**CHIRA INFORMATION TECHNOLOGIES**

**FOR**

- ❖ INTERNSHIP PROGRAMME**
- ❖ PROJECT TRAINING**
- ❖ WORKSHOPS**
- ❖ SEMINARS**
- ❖ FACULTY DEVELOPMENT PROGRAM**

*Mahesh*  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



We are in a competitive, challenging and fast development era of technology.

Students should be prepared with the latest updates and also upgrade themselves to the continuous, world of change. They should be competitive enough to be among the best in the current corporate industry to meet the expectations.

In this regard, after constructive discussions we had with the Management, HOD and Principal of RRIT and Chira Information Technologies, We as a team come together to a common understanding and the aspects of progress of the students to introduce and transform them to the corporate industry.

As per the discussions & 'MoU'


Chira Information Technologies would be offering

#### **To the students**

- Exposure with technical training to excel the ecosystem of IT
- Internship programs on regular basis as and when required as a curriculum of the respective university.
- Internship programs can be accommodated in either of the premises as per requirement, circumstances and decision from the team
- Placement assistance-only would be provided for the final year students and would try our best to depute them to the on-going live projects with Corporates.
- Provide seminars, workshops, tech-talks and consultation programs as per the requirement.

#### **For Faculty**

- Faculty development programs
- Training on the on-going projects and workshops with students

  
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Chikkabanavara, Bangalore - 560 090.

RRIT and Chira Information technologies believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.



The Parties intent to Cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.

**Chira Information Technologies** is engaged in Information Technology Solution providers as business from past 18 years and related fields.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

## 1. CO-OPERATION

Both parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the institution and its related wings. The Parties shall keep each other informed of potential opportunities for one another.

First party and Second Party co –operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching/ training systems, keeping in mind the needs of the industry, the Second Party.

The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the ‘ Definitive Documents’) as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

## 2. SCOPE OF THE MoU

The budding graduates from the institutions could play a key role in technological Up-gradation, innovation and competitiveness of an industry.

*Mahesh*  
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Chikkabanavara, Bangalore - 560 090.



Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

**Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching/training methodology and suitable customize the curriculum so that the students fit into the industrial scenario meaningfully.

**Training & Visits:** Industry and Institution interaction will give an insight in to the latest developments/ requirements of the industries: the Second Party try to permit the Faculty and Students of the First Party to visit its group companies and also to look in to the working culture of the company for the First Party. The training and exposure provided to the students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The First Party will provide its Labs and working space and requirements for the hands-on training of the learners enrolled with the second party.

**Skill Development Programs:** Second Party to train the students of First Part on the emerging technologies in order to bridge the skill gap and make them industry ready.

**Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of First Party on the technology trends and in house requirements.

**Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in nature required for offering the Programmes on the terms specified herein.

There is no financial commitment on the part of both the parties. If there is any financial consideration, it will be dealt separately by means of proposals as per the guidelines of the authorities and the parties.

### 3. INTELLECTUAL PROPERTY

3.1 Nothing contained in this MoU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license

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Chikkabanavara, Bangalore - 560 090.





in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

#### 4. VALIDITY

This Agreement is valid for 3 (Three years) and will be valid until it is expressly terminated by either Party on mutually agreed terms, during this period the Second Party will take effective steps for implementation of this MOU. Any act on the part of the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU.

Both Parties may terminate and revise this MOU upon 30 Calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

#### 5. RELATIONSHIP BETWEEN THE PARTIES

It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of the any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

Any divergence or differences derived from the interpretation or application of the MoU shall be resolved by arbitration between the Parties as per the

Arbitration Act, 1996. The place of the arbitration shall be at Bangalore Jurisdiction. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of Name of City.

*Melach*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



**AGREED:**

For  
Raja Reddy Institute of  
Technology

*R.H.B.*  
10/02/2022

Authorized Signatory

For  
Chira Information Technologies

*Malathi. B.V.*

Authorized Signatory

Raja Reddy Institute of Technology Department of CSE and ISE	Chira Information Technologies
Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara Bangalore - 560 090	# 2934E & 2935E, 2nd Floor " ARERANGA COMPLEX " Vijayanagar Club Road, Vijayanagar , Bangalore - 560 040
Mobile: (+91 888 000 1111) Phone: 080 - 28391554/3. Whatsapp: 8050202020	Ph: 080-41270234
<a href="mailto:rrit@rrinstitutions.com">rrit@rrinstitutions.com</a>	<a href="mailto:raghu@chirait.com">raghu@chirait.com</a>
<a href="https://www.rrit.ac.in/">https://www.rrit.ac.in/</a>	<a href="http://www.chirait.com/">www.chirait.com/</a>

Witness 1:

*[Signature]*

[ Dr. Naveen. H ]

Witness 1:

*[Signature]*

[ Dr. Sumanth. V ]

Witness 2:

*[Signature]*

[ Dhanejaya M.K ]

Witness 2:

*[Signature]*

[ Sruvati. S ]

*Malathi.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Ref : AC 2022- Sep 0300

## CERTIFICATE OF INTERNSHIP



To whom it may concern

This is to certify that Akshay Kumar Rana bearing USN: 1RI19CS002 student of RR INSTITUTE OF TECHNOLOGY has completed the internship program on "IoT & It's Application" from 29.08.2022 to 10.10.2022.

He took a keen interest in the work assigned and successfully completed it .During the period of internship, we found him to be punctual, hard-working, and inquisitive.

We wish him luck and success in all his future endeavors. Please reach out if you have any more questions on the matter at [m.hasan@applycourses.com](mailto:m.hasan@applycourses.com) .

During the period of his internship program with us, he had been exposed to different processes and was found diligent, hardworking and inquisitive. We take this opportunity to thank him and wish him all the best for his future.

**Chira Information Technologies**



2nd floor "ARERANGA COMPLEX" Vijayanagar club road,

Vijayanagar Bengaluru-560040

Malathi B N

Email: [raghu@charit.com](mailto:raghu@charit.com) 080-41270234"

*Malathi B N*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

Ref : AC 2022- Sep-0301

## CERTIFICATE OF INTERNSHIP

To whom it may concern



This is to certify that **MEGHASHREE M S** bearing **USN: 1RI19CS028** student of **RR INSTITUTE OF TECHNOLOGY** has completed the internship program on "**Java Programming**" from 05.10.2020 to 17.10.2020.

She took a keen interest in the work assigned and successfully completed it .During the period of internship ,we found her to be punctual, hard-working, and inquisitive.

We wish her luck and success in all her future endeavors. Please reach out if you have any more questions on the matter at [m.hasan@applycourses.com](mailto:m.hasan@applycourses.com) .

During the period of her internship program with us, She had been exposed to different processes and was found diligent, hardworking and inquisitive. We take this opportunity to thank her and wish her all the best for her future.

### Chira Information Technologies

Malathi B.N



2nd floor "ARERANGA COMPLEX" Vijayanagar club road,

Vijayanagar Bengaluru-560040

Malathi B N

Email: [raghu@charit.com](mailto:raghu@charit.com) 080-41270234"

*Malathi B.N.*  
PRINCIPAL  
**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

Ref : AC 2022- Sep-0301

**CERTIFICATE OF INTERNSHIP**

To whom it may concern



This is to certify that SAHANA R bearing USN: 1RI19CS038 student of RR INSTITUTE OF TECHNOLOGY has completed the internship program on "Java Programming" from 05.10.2020 to 17.10.2020.

She took a keen interest in the work assigned and successfully completed it .During the period of internship ,we found her to be punctual, hard-working, and inquisitive.

We wish her luck and success in all her future endeavors. Please reach out if you have any more questions on the matter at [m.hasan@applycourses.com](mailto:m.hasan@applycourses.com) .

During the period of her internship program with us, She had been exposed to different processes and was found diligent, hardworking and inquisitive. We take this opportunity to thank her and wish her all the best for her future.

**Chira Information Technologies**



2nd floor "ARERANGA COMPLEX" Vijayanagar club road,

Vijayanagar Bengaluru-560040

Malathi B N

Email: [raghu@chariit.com](mailto:raghu@chariit.com) 080-41270234"

*Malathi B N*  
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Chikkabanavara, Bangalore - 560 090.

*Melank*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



**IDP Education India  
Private Limited  
Bangalore**  
No. 8 Excellency Building  
First Floor Papanna Street  
Off St. Mark's Road  
Bangalore 560001 INDIA  
Tel: 91 80 44118888  
Email: info.bangalore@idp.com

## MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING ("MOU") is made on this day **21 Sept 2018** BY AND BETWEEN

**IDP Education India Pvt Ltd**

IDP Education is the world's leading student placement company and proud co-owner of IELTS Examination - the world's leading English proficiency test along with the British Council and the University of Cambridge (ESOL Examinations). In India IDP has presence with 27 counselling centers across 24 cities. IDP is co-owned by 38 Australian universities. **IDP Education has its Branch office at MEU Square, 3rd Floor, Opp Brand Factory above KFC, Bannerghatta Main Road, J.P.Nagar 4th Phase, and Bangalore-560076**

**R.R.Institute of Technology, Bangalore** having its registered office at **Raja Reddy Layout, Hesaraghatta Main Road Chikkabanavara, Bangalore – 560 090.**

**IDP Education India Pvt Ltd, Bangalore & R.R.Institute of Technology, Bangalore** are hereafter referred to individually as "Party" and collectively as "Parties".

### 1. PREAMBLE

**IDP Education** Helps international students gain admission to education institutions in the main English-speaking countries

**WHEREAS** R.R.Institute of Technology, Bangalore is a leading educational institute affiliated to AICTE & recognized by VTU, India, offering courses in Diploma & Engineering.

**WHEREAS** IDP India, Bangalore Services include personalized course advice, course application submission and pre-departure guidance

**WHEREAS** R.R.Institute of Technology, Bangalore has shown readiness to collaborate with **IDP Education, Bangalore** for promoting the overseas studies & to provide all required infrastructure & facilities for running & conducting the various Seminars/ Events from time to time throughout the whole academic year as and when required.

**NOW THEREFORE** in consideration of the foregoing & mutual covenants and promises contained herein the Parties agree as follows:

**Corporate Office - Gurgaon** Second Floor 61 Chimes Sector - 44 Gurgaon 122003 India  
Tel: 91 124 4411888 **Registered Office - New Delhi** Suite Nos 610-616, 510-513 Sixth  
& Fifth Floor Int'l Trade Tower Nehru Place New Delhi 110019 India Tel: 91 11 44118658  
**IDP Presence in India** Ahmedabad • Amritsar • Bangalore • Bathinda • Chandigarh • Chennai • Coimbatore  
• Gurgaon • Hyderabad • Indore • Jaipur • Jalandhar • Kochi (Cochin) • Kolkata • Lucknow • Ludhiana  
• Mangalore • Mumbai • Nagpur • Pune • Surat • Thane • Trivandrum • Vadodra • Vijayawada • Vizag  
[www.idp.com/india](http://www.idp.com/india) • [www.ieltsidpindia.com](http://www.ieltsidpindia.com) • CIN No. U80903DL2006PTC156354



1. It is agreed between the parties that IDP Education, Bangalore & R.R.Institute of Technology,Bangalore shall work together on non-exclusive basis for the IDP Education, Bangalore courses mentioned hereof.
2. Role & responsibilities of each party will be as under:

**Role & Responsibilities of IDP Education, Bangalore:**

- Conducting education fair once or twice a year where US, UK , New Zealand , Canada and Australia Universities representatives will participate
- Conducting Seminars on IELTS & Overseas Studies
- Inviting R.R.Institute of Technology,Bangalore students to all education fairs @ Bangalore

**Role & Responsibilities of R.R.Institute of Technology,Bangalore:**

- Allow students of R.R.Institute of Technology,Bangalore to attend the various events/ Seminar.
- To render all required support to IDP Education, Bangalore in conducting events
- To arrange & provide required infrastructure & facilities like:
  - Permission to post IDP education ,Bangalore club event posters in college & hostel premises
  - Dedicated notice board / space in common notice board in college & hostel premises
  - Permission for using classroom/ Seminar hall (typically 1-2 times a semester during post-college hours for conducting Events/ Seminar/ one to one session )
  - Permission to use auditorium (typically 3-4 times a year for large scale programs)
  - Dedicated LCD Projector (if possible)
  - Tables & Chairs

**Term of MOU:**

This MOU comes into force from the day of signing by the last party. The term of this MOU is one (1) year from the last party signing hereof. Either party may terminate this MOU by giving thirty (30) days prior written notice to the other party.

**IDP Education India  
Private Limited  
Bangalore**

No. 8 Excellency Building  
First Floor Papanna Street  
Off St. Mark's Road  
Bangalore 560001 INDIA  
Tel: +91 80 44118888  
Email: info.bangalore@idp.com

*Melalshah*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

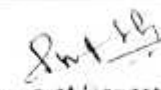
**3. Limitation of liability:**

Neither party shall be liable for any special, indirect, incidental, punitive, contingent nor consequential loss or damages suffered out of or in connection with the aforesaid MOU whether as a result of a breach of this MOU or otherwise.

**4. Dispute Resolution:**

The parties recognize that a bona fide dispute as to certain matters may from time to time arise during the term of this MOU, which relates to either Party's rights or obligations hereunder. In the event of the occurrence of such dispute, either Party may, by written notice to other Party, have such dispute referred jointly to the authorized representatives of the Parties, or their successors or counterparts, for resolution by good faith negotiations within 15 days after such notice is received in respect of such dispute.

IN WITNESS WHEREOF, the Parties hereto, each acting under due & proper authority have executed this MOU as of the date written above

<b>FOR IDP Education, Bangalore</b>	<b>FOR R.R.Institute of Technology, Bangalore</b>
<b>Signature</b>  IDP EDUCATION INDIA PVT. LTD No. 8, Excellency Building, 1st Floor, 203, 204, Papanna Street, Off. St. Mark's Road, BANGALORE - 560 001 Phone : +91 80 44118888 Email: info.bangalore@idp.com Web: www.idp.com	<b>Signature / Stamp</b>   Head of Department Department of Computer Science R.R. Institute of Technology Hesaraghatta Main Road, Chikkabanavara, Bangalore-560
<b>Name of representative:</b>  Mohammed Imran	<b>Name of signatory:</b>  Prof. Manjunath
<b>Date:</b> 25 <sup>th</sup> Sep 2018	<b>Date:</b> 25 <sup>th</sup> Sep 2018





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**R R Institute of Technology**  
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Recognized by Govt. of Karnataka

## *INVITATION*

### **Chief Patron :**

**Sri. Y. Raja Reddy**  
Chairman, RRIT, Bangalore

### **Patron :**

**Sri. Kiran H. R.,**  
Secretary, PKMET, Bangalore

**Sri. Arun H. R.,**  
Director, RRIT, Bangalore

**Sri. Ramakrishna Reddy**  
CEO, RRIT, Bangalore

### **Rector :**

**Dr. Manjunatha M. B**  
Principal, RRIT, Bangalore

### **Convener**

**Prof. Manjunath R**  
HOD, CSE

### **Faculty Coordinators**

**Prof. Shruthi S**  
Asst. Prof, CSE

**Prof. Dhananjaya M K**  
Asst. Prof, CSE

**Prof. Sumanth V**  
Asst. Prof, CSE

We cordially invite for the Seminar on  
**“Overseas Education Opportunities”**

on

18<sup>th</sup> September 2018

Chief Guest

**Sri Y Raja Reddy**  
Chairman, P K M Educational Trust, Bangalore

Passionate Welcome to  
**Sri. Kiran H. R**  
Secretary, PKMET, Bangalore

**Sri. Arun H. R**  
Director, RRIT, Bangalore

Warm welcome to  
**Sri. Ramakrishna Reddy**  
CEO, RRIT, Bangalore

Resource Person  
**Mayuri.N**  
IDP Education India, Bangalore

Presided by  
**Dr. Manjunath M B**  
Principal, RRIT, Bangalore

Kind Welcome to all HODs, Faculties and Students

Date: 18<sup>th</sup> September 2018

Time: 11.00 AM

Venue: Seminar Hall

*Manjunath*  
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Chikkabanavara, Bangalore - 560 090.



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Department of Computer Science & Engineering

Date: 18/09/2018

Attendance status for the Seminar on “Overseas Education Opportunities”  
7<sup>th</sup> Semester

Sl	USN	Student Name	Signature
1	1RI14CS036	V Joel	
2	1RI15CS001	Akhila P K	
3	1RI15CS005	Ankita Shukla	
4	1RI15CS009	Ashwini Shridhar	
5	1RI15CS010	Baba Bharath G K	
6	1RI15CS012	Bindu S	
7	1RI15CS014	Chandana M S	
8	1RI15CS015	Dipendra Mahato	
9	1RI15CS016	Divya S	
10	1RI15CS018	Gayathri H D	
11	1RI15CS020	Harikireethi B K	
12	1RI15CS021	Hemalatha C	
13	1RI15CS022	Indu B	
14	1RI15CS023	Irfan Pasha	
15	1RI15CS024	Julius Diamary	
16	1RI15CS025	Kavya R	
17	1RI15CS028	Maheen Sedra	
18	1RI15CS030	Mary Roopini A	
19	1RI15CS031	Munshad Ali	
20	1RI15CS032	Nayana H V	
21	1RI15CS033	Nikhil B K	
22	1RI15CS036	Rahul M	
23	1RI15CS037	Raisa Kauser	
24	1RI15CS038	Rajat Gangwani	

*Handwritten stamp:*  
Department of Computer Science & Engineering  
R.R. Institute of Technology  
Hebbalaguda Main Road,  
Chikkabanavara, Bangalore.

*Handwritten signature:*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

25	IRI15CS041	Richa Kumari	<i>Richa</i>
26	IRI15CS043	Rohith E C	<i>Rohith</i>
27	IRI15CS048	Sathish P	<i>Sathish</i>
28	IRI15CS051	Shreekanth	<i>Shreekanth</i>
29	IRI15CS052	Shwetha M	<i>Shwetha</i>
30	IRI15CS054	Soundarya V R	<i>Soundarya</i>
31	IRI15CS055	Sowmya M V	<i>Sowmya</i>
32	IRI15CS056	Srikanth B R	<i>Srikanth</i>
33	IRI15CS058	Tanaya Patra	<i>Tanaya</i>
34	IRI15CS060	Varun Bharadwaj H R	<i>Varun</i>
35	IRI15CS061	Vibha Reddy K V	<i>Vibha</i>
36	IRI15CS062	Vinutha H	<i>Vinutha</i>
37	IRI15CS064	Prakash Rayamanjhi	<i>Prakash</i>
38	IRI15CS065	Biswas Subedi	<i>Biswas</i>
39	IRI15CS066	Salim .M.Gumbo	<i>Salim</i>
40	IRI15CS067	Yojana Aryal	<i>Yojana</i>
41	IRI15CS068	Archan Bhatta	<i>Archan</i>
42	IRI15CS069	Raghav Kattel	<i>Raghav</i>
43	IRI15CS070	Rupesh Timalisina	<i>Rupesh</i>
44	IRI15CS071	Drawpada Sharma	<i>Drawpada</i>
45	IRI15CS072	Smriti Ghimire	<i>Smriti</i>
46	IRI15CS073	P V Mounika	<i>Mouni</i>
47	IRI16CS400	Amit Kumar	<i>Amit</i>
48	IRI16CS401	Avinash Gaurav	<i>Avinash</i>
49	IRI16CS402	Krishna Rajbanshi	<i>Krishna</i>
50	IRI16CS403	Milan Shrestha	<i>Milan</i>
51	IRI16CS404	Nagaraj T	<i>Nagaraj</i>
52	IRI15CS077	Prerana D	<i>Prerana</i>
53	IRI15CS079	Vasuki E M	<i>Vasuki</i>
54	IRI15CS078	Bhimavva P	<i>Bhimavva</i>
55	IRI15CS080	Shiva Selvi	<i>Shiva</i>
56	IRI16CS405	Prathibha	<i>Prathibha</i>

*Melank*  
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Head of Department  
 Department of Computer Science & Engg  
 R.R. Institute of Technology  
 Hosanghally Main Road,  
 Chikkabanavara, Bangalore.



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**Department of Computer Science & Engineering**

## Report on “Overseas Education Opportunities” held on 18 /09/2018

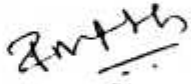
A Seminar program entitled “Overseas Education Opportunities” Seminar was organized by department of CSE on 18/09/2018 at 11.00 am. The Prof. Manjunath.R , Head of the Computer science Department, introduced and welcomed the Resource Person Mayuri.N, IDP Education India .The program was held at Seminar hall, RRIT. The Department of Education and Training should explore means for reducing the lag time in production of key datasets, with opportunities to provide data several months earlier than existing publication dates. Further effort should also be devoted to producing easily consumable reports and exploring opportunities for greater detail on publicly available interactive pivot tables. In the longer term, work should be devoted to providing a consistent and integrated source of data across all IET subsectors. Successful implementation of recommended initiatives will require clear prioritisation and a user-centred focus. Options available to improve data governance in IET range from:


- An adjunct to current arrangements
- A whole-of-government / whole-of-sector working group with expert panel members, including experts in data science and analytics from outside the sector
- A comprehensive data repository with an agency responsible for broader IET data and analysis – that is governed by government and the sector.

International Education and Training is a data-rich environment with significant untapped potential for the sector. Ensuring the appropriate data stewards are working effectively together to meet the purposes of public policy effectiveness, market efficiency and operational efficiency is vital to improved data collection and dissemination in Australia.

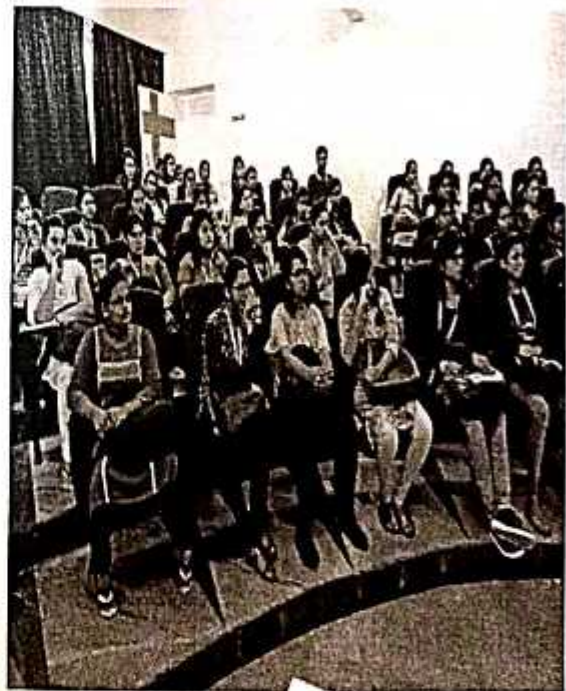
Thanks and regards

Organizing committee

  
Head of Department  
Department of Computer Science & Engg  
R.R. Institut of Technology  
Mesargr. n.e Main Road,  
Chikkabanavara, Bangalore-90

  
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## Photos of Overseas Education Opportunities



*Mahesh*  
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Chikkabanavara, Bangalore - 560 090.



सत्यमेव जयते

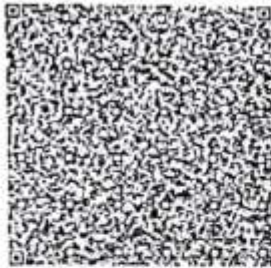
# INDIA NON JUDICIAL Government of Karnataka

## e-Stamp

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Certificate No.	: IN-KA34294670435903P
Certificate Issued Date	: 18-Nov-2017 03:24 PM
Account Reference	: NONACC (FI)/ kacrsf108/ RAJAJINAGAR1/ KA-BN
Unique Doc. Reference	: SUBIN-KAKACRSFL0819364421229735P
Purchased by	: KARNATAKA SMALL SCALE INDUSTRIES ASSOCIATION
Description of Document	: Article 12 Bond
Description	: MOU
Consideration Price (Rs.)	: 0 (Zero)
First Party	: KARNATAKA SMALL SCALE INDUSTRIES ASSOCIATION
Second Party	: R R INSTITUTE OF TECHNOLOGY
Stamp Duty Paid By	: KARNATAKA SMALL SCALE INDUSTRIES ASSOCIATION
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



*R.R. Institute of Technology*  
Authorized Signatory  
The Karnataka State Registration & Stamps Department  
Karnataka Multipurpose Co-operative Society Limited  
Rajajinagar Branch

.....Please write or type below this line.....

## MEMORANDUM OF UNDERSTANDING

This memorandum of understanding is made and executed on November 2017

By and Between

**KARNATAKA SMALL SCALE INDUSTRIES ASSOCIATION**  
#2/106, 17<sup>th</sup> Cross, Magadi Chord Road, Vijayanagar, Bangalore-560040  
Represented by its Hon. Gen. Secretary



### Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.

The first party has established a separate panel for Skill Development and Entrepreneurship to foster industry institution linkage and its sphere of activities include, Fostering entrepreneurship among Y-gen, Igniting the ideas of young minds to commercialise, Skilling, re-skilling, up-skilling, Setting up multi skill development centre, Faculty Development programme, Undertake in house training activities, Have a close liaison with NSDC, KVTSDC to take forward Skill India Initiatives, Encouraging innovation and showcasing the projects, Career Guidance, Skill Mapping, MOU's with ITI's, Diploma, Engineering Colleges to embrace entrepreneurship and skill development

### Second Party:

R R Institute of Technology, setup with a mission of imparting education to all sections of society, was established in the year 2008 to render highest standards of academic achievement with moral and social commitments. Converting the idea of providing high quality education combined with excellent infrastructure into a reality in Indian context. Generating a synergistic relationship with the industry with a long term view where the college and the industry could have a mutually beneficial relationship and aims a rigorous, relevant and rewarding education with a special emphasis on practical and technical inputs.

The Institute offers 6 UG courses leading to Bachelor of Engineering in,

- i. Computer Science Engineering
- ii. Mechanical Engineering
- iii. Electrical and Electronics Engineering
- iv. Electronics and communication Engineering
- v. Information science Engineering
- vi. Civil Engineering

2 PG courses leading to

- i. M.Tech in Digital Electronics & Communication
- ii. M.Tech in Computer Science and Engineering

And also research programs of VTU, Belagavi leading to M.Sc.engg (By Research) & PhD for Mechanical Engineering and Electronics and Communication Engineering.

The institute is well equipped with highly qualified teaching faculties and enthusiastic and energetic students. The result of this is evidentiary in setting up

of various clubs/cells/committees, organising over 240 programmes imparting the students to grab the external industrial opportunities.

*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



*[Signature]*  
PRINCIPAL

**NOW, THEREFORE, THE PARTIES HERETO HEREBY AGREE AS FOLLOWS:**

**First party:**

- The first party will associate with the colleges to undertake industrial Skill Awareness program and nuances of entrepreneurship.
- The first party will organize career guidance for students and inculcate the habit of entrepreneurship among the youth.
- The first party would undertake industrial; awareness programs to the faculty.
- The first party would help in igniting the young minds through their vast pool of entrepreneurs.
- The first party would inform the colleges on the udyoga mela's supported by it.
- The first party would organize theme based innovative projects platform to showcase the projects to be christened as innovation congress.
- The first party would share its facilities of the Skill Development Centre to train students in Engineering and Management Skills.
- The first party and second party would leverage each other's strengths to give a fillip to Skill Development and Entrepreneurship.

**Second party:**


- The second party agrees to provide its infrastructures (Such as Auditorium, Incubators, Laboratories) for conducting program of Skill Development and Entrepreneurship.
- The second party should share the students database to first party for Skill Development and Entrepreneurship Development Activities.
- The second party have to inform first party on the needs of students activities under Skill Development and Entrepreneurship Development.

**Rights and obligations**

The mutual rights and obligations of the First Party and the Second Party shall be as set forth in the Agreement, in particular:

  
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Chikkabanavara, Bangalore - 560 090.

T. S. 

  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore - 560 090.



**Governing law and jurisdiction**

This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the courts at Karnataka shall have exclusive jurisdiction over matters arising out of or relating to this Agreement.

**Language**

All notices required to be given by one Party to the other Party and all other communications, documentation and proceedings which are in any way relevant to this Agreement shall be in writing and in English language.

**Authorised representatives**

Any action required or permitted to be taken, and any document required or permitted to be executed, under this Agreement by the First Party or the Second Party, as the case may be, may be taken or executed by the officials specified as under,

**Hon. General Secretary,**

Karnataka Small Scale Industries Association

2/106, 17<sup>th</sup> Cross, Magadi Chord Road,

Vijayanagar, Bangalore-560040

Phone: +91-80-23353250/23358698, Fax: 2338 7279 / 2335 3250

Email: [presidentkassia@gmail.com](mailto:presidentkassia@gmail.com)/[kassia1949@kassia.com](mailto:kassia1949@kassia.com)

Unless otherwise notified, the Second Party's Representative shall be:

**The Principal,**

R R Institute of Technology,

Raja Reddy Layout, Hesaraghatta Main Road,

Chikkabanavara, Bangalore 560090.

Phone: 080-28391553, Fax: 28391552

Email: [rrit@rrinstitutions.com](mailto:rrit@rrinstitutions.com)


*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

**COMMENCEMENT, COMPLETION AND TERMINATION OF AGREEMENT****Effectiveness of Agreement**

This Agreement shall come into force and effect on the date of this Agreement or Date on which the First Party and Second Party both sign and exchange.

T. S.



*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 560 090.

### Commencement of Services

The Second Party shall commence the respective Services immediately from the date of the agreement.

### Expiration of Agreement

Unless terminated earlier this agreement shall be valid for a period of 3 year unless extended by the Parties by mutual consent.

### Modification of Agreement

Modification of the terms and conditions of this Agreement, including any modification of the scope of the Services, may only be made by written agreement between both the Parties. No Amendment for change hereof or addition hereto shall be effective or binding on either of the parties hereto unless set in writing and executed by the respective duly authorized representatives of each of the parties hereto.

### Force Majeure

The Parties shall not be liable to each other for failure or delay in the performance of any of its obligations under this Agreement for the time and to the extent such failure or delay is caused by riots, civil commotion, wars, hostilities between nations, government laws, orders regulations, embargos, action by the government(s) or any agency thereof act of God, storms, fires, accidents, strikes, sabotages, explosions, or other similar or different categories beyond the reasonable control of the respective parties to this Agreement In the event that either party is wholly or in part, prevented from or hindered in carrying out or observing any of the terms or conditions of this Agreement for any cause set forth hereinabove, such party shall give written notice to the other party by the most expeditious means as soon as possible after the occurrence of the cause relied on, given full particulars of the reason for such prevention or hindrances, and the party shall in good faith consult each other and take necessary measures for the resolution of the affairs so prevented or hindered.

### Termination of Agreement

The first party and the second party hereby agree to terminate agreement at any time with the consent of both the parties.

In WITNESS WHEREOF, the parties hereto have caused this agreement to be made in English and executed by their respective duly authorized representatives of the day and the year first above written

*M. S.*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

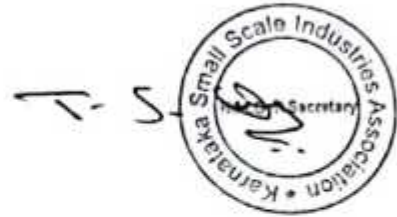
*T. S.*



*A. S.*  
PRINCIPAL

R.R. INSTITUTE OF TECH  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore - 90

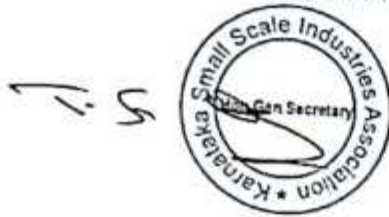
For  
Karnataka Small Scale Industries Association  
(First Party)  
Name: T S UMASHANKAR  
Designation: Hon. General Secretary  
Date:



For  
R R Institute of Technology,(Second Party)  
Raja Reddy Layout, Hesaraghatta Main Road,  
Chikkabanavara, Bangalore 560090.  
Name: Dr. M. S. Bhagyashekar  
Designation: Principal  
Date:

*Bhagyashekar*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

\*\*\*\*\*



*Bhagyashekar*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

*M. S. Bhagyashekar*  
PRINCIPAL  
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Chikkabanavara, Bangalore - 560 090.



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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - d 560 090

Department of Computer Science & Engineering

Date: 15/02/2019

Ref. Number /RRIT/CSE/2019

To,

The Principal  
R R Institute of Technology  
Bangalore-90

Respected Sir,

Subject: Permission to attend the Workshop on "Innovation and Manufacturing Start-ups"- KASSIA

With reference to above subject, the 6<sup>th</sup> Semester students of CSE want the permission to attend Workshop on "Innovation and Manufacturing Start-ups" has been organized on Friday, the 15<sup>th</sup> February 2019, at 11.00 AM at KASSIA Auditorium, KASSIA Bhavan. We request to provide the permission and do the needful.

Thank you  
With regards

*Prof. Manjunath. R*  
15/2/2019  
Prof. Manjunath. R  
HOD

The Following Students are Registered

- 1) Prathibha. I. Bilagi
- 2) Kusuma k J1
- 3) Sahana T
- 4) George James
- 4) Rajeshwari C
- 5) Sona Sara Tomas

Head of Department  
Department of Computer Science & Engg  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore-90

*Mallesh*  
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Chikkabanavara, Bangalore - 560 090.

*Prof. Manjunath. R*  
15/2/2019



# Karnataka Small Scale Industries Association

An ISO 9001:2015 Certified Organisation

2/106, 17<sup>th</sup> Cross, Magadi Chord Road, Vijayanagar, Bangalore-560 040.

*In association with*

## District Industries Centre Bangalore - Urban

*Cordially Invites you to the Workshop on*

### Innovation, Artificial Intelligence and Manufacturing Start-ups.

*Inauguration by*

**Smt. Gunjan Krishna. IAS.,**

Commissioner, MSME Directorate of Micro, Small & Medium Enterprises, Govt of Karnataka

*Keynote address by*

**Dr. T. V. Prabhakar,**

Principal Research Scientist & Head of the MSME Centre of Excellence,  
Dept of Electronic Systems Engg, Indian Institute of Science, Bengaluru.

*Guests of Honour*

**Sri H. M. Srinivasa**  
Additional Director  
MSME & PP. Govt. of Karnataka

**Sri. Siddalingappa B. Pujari**  
Joint Director, District Industries Centre,  
Bengaluru Urban, Govt. of Karnataka

**Sri. Mohan Krishna**  
Head of COE - Data Science & Artificial Intelligence  
NASSCOM, Bengaluru

**Sri. B. N. Sudhakara**  
Director, MSME-DI,  
Govt. of India

**Sri. S. M. Jamkhandi**  
Project Scientist, Department of Electronic  
Systems Engineering, Indian Institute of Science,

**Sri. K. N. Manjunath**  
Lead Manager, Canara Bank,  
Bengaluru

*Presiding*

**Sri Basavaraj S. Javali**

President, KASSIA

*M. R. R.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Date : Friday, February 15, 2019 at 11.00 a.m.

Venue: KASSIA Auditorium, Vijayanagar, Bangalore - 40.

**R. Raju**  
Vice President

**R. Hanumanthe Gowda**  
Immd. Past President

**Ravikiran Kulkarni**  
Hon. Gen. Secretary

**Suresh N.Sagar**  
Hon. Joint Secretary-Urban

**S. Vishweshwaraiah**  
Hon. Joint Secretary-Rural

**Shrinath Bhandary Udyawar**  
Treasurer

**Shriyans Kumar Jain**  
Panel Chairman - SD & EDP

**Workshop on Innovation, Artificial Intelligence  
and Manufacturing Start-ups.**

**Friday , 15<sup>th</sup> February 2019, at 10.30 am , KASSIA**

Duration	Program
10.30 -11.00 am	Registration
11.00 am -11.45. am	Inaugural session : Invocation - Naada Geethe Welcome address by - <b>President KASSIA</b> Lighting the lamp by - Dignitaries Felicitations to - dignitaries Inaugural address by - <b>Smt. Gunjan Krishna. IAS.,</b> Commissioner, MSME Directorate of Micro, Small & Medium Enterprises, Govt of Karnataka Key Note address by - <b>Dr. T. V. Prabhakar,</b> Principal Research Scientist & Head of the MSME Centre of excellence, Address by - <b>Sri H M Srinivasa.</b> Additional Director MSME & PP. GOK. Address by - <b>Sri B N Sudhakara.</b> Director- MSME-DI, GOI
11.45 -12.30 pm	Session #1 : <b>Presentation on "Innovation &amp; Design - Importance of IoT" &amp; "Hands on Project for Students - Ideation"</b> By <b>Dr. T. V. Prabhakar,</b> Principal Research Scientist & Head of the MSME Centre of Excellence,
12.30- 12.50 pm	Session #2 : <b>Role of artificial Intelligence in the manufacturing sector</b> By - <b>Sri. Mohan Krishna,</b> Head of COE -Data Science & Artificial Intelligence NASSCOM, Bengaluru.
12.50- 1.10 pm	Session #3 : <b>"Support Schemes of the Ministry of MSME, GOI</b> By <b>H V Ananda Murthy,</b> Dy Dir (Retd), M/o MSME, GOI.
1.10 - 1.20 pm	Session #4 : <b>Bank Schemes for start-ups</b> By- <b>Sri. K.N. Manjunath,</b> Lead Manager, Canara Bank, Bengaluru
1.20- 1.30 pm	<b>Interaction with participants - Q &amp; A Session</b>
1.30 -1.45 pm	<b>Concluding remarks</b> By- <b>Sri. Siddalingappa B Pujari</b> Joint Director, District Industries Centre, Govt. of Karnataka
1.45 - 1.50 pm	<b>Vote of thanks</b>



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# R. R. Institute of Technology

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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Department of Computer Science & Engineering**

Date: 16/02/2019

## Report of "Karnataka Small Scale Industries Association Workshop on Innovation, Artificial Intelligence and Manufacturing Start-ups" on 15<sup>th</sup> February 2019

The impact of AI in the manufacturing and IT and Services sector in India often paint a picture of stagnant job growth and even job loss. AI is disrupting traditional business models in the IT sector, the auto sector, and other manufacturing industries. Experts have highlighted the need to adapt to these changes, beginning with education towards enabling individuals to move and work higher up the value chain in innovative capacities. Forms of smart manufacturing are also starting to come up in India: Wipro and Infosys have launched AI platforms, and the Indian Institute of Science is developing a smart factory with support from Boeing Company and General Electric. Identified challenges to the incorporation of AI in the manufacturing sector in India include lack of value creation in the industry, discrepancies in needed skills and available skills, capacity issues amongst professionals, infrastructure inadequacies and challenges in access to technologies. This report seeks to map the present state of AI in the manufacturing and services industry in India.

### State of AI in Manufacturing and Services in India

Deployment of AI in manufacturing and services operations will ensure accuracy and precision in the process and will avoid delays with faster change in operations when required. It will also forecast risks and demands based on available data to ensure optimal production. The process of manufacturing can be made smarter and environmentally sound, thus avoiding mishaps. The use of AI on the factory floor can help increase productivity and quality along with ensuring a robust safety framework. The Indian government's push towards 'Make in India' and 'Industry 4.0' has incentivized startups, software companies and manufacturing units to integrate technology, including AI, into their day-to-day processes to increase accuracy, productivity and efficiency. To understand the state of AI, this section is comprised of a number of sub-sections that delve into the use of AI in manufacturing and services, legal and ethical considerations, relevant government initiatives, challenges and recommendations associated with the uptake and deployment of AI in manufacturing and services.

*[Handwritten signature]*  
16/2/19

*[Handwritten signature]*  
16/02/19  
Head of Department  
Department of Computer Science & Engg  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore-90

Thanks and regards  
Organizing committee

*[Handwritten signature]*  
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Photos of "Innovation, Artificial Intelligence and Manufacturing Start-ups"



*Dr. H. H. H. H.*  
 Head of Department  
 Department of Computer Science & Engg.  
 R.R. Institute of Technology  
 Hesarghatta Main Road  
 Chikkabanavara, Bangalore-56

*M. Lakshmi*  
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## Industrial visit to

**Solar Power Plant Shivanasamudra In Association With Karnataka Small  
Scale Industries Association on 25<sup>th</sup> March 2018**



*Mahesh*  
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Department of Computer Science & Engineering

## Photos of "Innovation, Artificial Intelligence and Manufacturing Start-ups"



*Mahesh*  
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*MeViTechnologies LLP*  
*lets keep it simple*

# MEMORANDUM OF UNDERSTANDING

Between



P K M EDUCATIONAL TRUST®

ACCREDITED BY NAAC

**R.R. INSTITUTE OF TECHNOLOGY**

(AFFILIATED TO VTU, BELAGAVI | APPROVED BY AICTE, NEW DELHI & GOVERNMENT OF KARNATAKA)

And



*MeViTechnologies LLP*  
*lets keep it simple*

**Prepared for**  
RR Institute of technology

1st August , 2022

*Melaha*  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Memorandum of Understanding Between

**R.R. Institute of Technology**

and

**Mevi Technologies LLP**

This Memorandum of Understanding  
(hereinafter referred to as "MOU") is  
made and executed on

**1st August 2022**

("Effective Date") at Bengaluru

BY AND BETWEEN

**R. R Institute of Technology**, set up with a mission of imparting education to all sections of society, was established in the year 2008 to render highest standards of academic achievement with moral and social commitments. Converting the idea of providing high-quality education combined with excellent infrastructure into a reality in Indian context. R R Institute of Technology have proved the capability of placing students after completing their course in prestigious organization across the country and abroad.

Generating a synergistic relationship with the industry with a long term view where the college and the industry could have a mutually beneficial relationship, it aims a rigorous, relevant and rewarding education with a special emphasis on practical and technical inputs. Ideally located away from the huzzle and buzzle of Bangalore city.

AND

**Mevi Technologies LLP** is a Software Development, Consulting, and Digital Service providing Company. We work in diversified spheres such as telecom, finance, mesh application-social networking website, E-commerce website and other viable websites and applications.

NOW, THEREFORE, IN CONSIDERATION OF THE PROMISES AND THE MUTUAL COVENANTS. MOU HEREINAFTER SET FORTH; THE PARTIES HEREBY AGREE AS FOLLOWS:

  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

## POINTS OF UNDERSTANDING

1. Mevi Technologies is ready to be an Industrial Training Partner of the R. R Institute of Technology.
2. Mevi Technologies will conduct a seminar-workshop on software training (online & offline)
3. We put our best effort into enhancing the knowledge of the student of the R. R Institute of Technology. If it will be feasible then we will invite the students of the R. R Institute of Technology to our seminar and workshop conducted on different topics at different places.
4. Mevi Technologies will be the training partner for the below-mentioned technologies.
  - Machine-learning
  - Data Analysis
  - Web-Scrapping
  - Cyber security
  - Full stack development (MERN/DJANGO/Spring/.NET)
  - Android development (kotlin/Java)
  - Portfolio building
  - UI/UX

*Melambh.*  
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- Internet of things
- Web technology
- Artificial Intelligence
- DSA (Java / Python)
- Deep Learning
- Agile
- Software testing (Manual/Automation)

1. The training mode will be online. if in case students want to go for Offline/classroom training, then the training location will be the R. R Institute of Technology.
2. The proportion of fees shared in training (between both the parties), Course content, duration and minimal students will be mutually discussed at the same time.
3. R. R Institute of Technology and Mevi Technologies will allow to keep their Banner In Computer Lab and Notice Board for promotional purposes.
4. By signing this MOU both parties are mutually agreed to use the name and logo of each other for official and promotional purposes.

*Melinda*  
PRINCIPAL

## Term of MOU

This MOU shall come into force from the date of signing and shall remain unless and otherwise terminated by either party by valid reasons.

## Accepted and Agreed

*Mahendra*  
SIGNATURE

Dr. Mahendra K V  
Principal

R. R Institute of Technology

PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*Vijay. B R.*  
SIGNATURE

Vijay B R  
IT Manager  
Mevi Technologies LLP

WITNESS

*Manjunath R*  
SIGNATURE

Dr. Manjunath R  
Professor &  
Head of CSE dept.  
R. R Institute of Technology

WITNESS

*Megha B S*  
SIGNATURE

Megha B S  
Trainer  
Mevi Technologies LLP



For MEVI TECHNOLOGIES LLP

*Vijay. B. R.*  
Director





GOVERNMENT OF INDIA

MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Form 16

[Refer Rule 11(3) of the Limited Liability Partnership Rules, 2009]

**Certificate of Incorporation**

LLP Identification Number: **ABC-2872**

The Permanent Account Number (PAN) of the LLP is ABUFM9261G

The Tax Deduction and Collection Account Number (TAN) of the LLP is BLRM41685A

It is hereby certified that MEVI TECHNOLOGIES LLP is incorporated pursuant to section 12(1) of the Limited Liability Partnership Act 2008.

Given under my hand at Manesar this Thirtieth day of August Two thousand twenty-two.

Digitally signed by DS MINISTRY OF  
CORPORATE AFFAIRS 10  
Date: Wed Aug 31 11:11:25 IST 2022

Anshu Tandon  
Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies  
For and on behalf of the Jurisdictional Registrar of Companies  
Registrar of Companies  
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the LLP on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the LLP can be verified on [www.mca.gov.in](http://www.mca.gov.in)

Mailing Address as per record available in Registrar of Companies office:

**MEVI TECHNOLOGIES LLP**

Opposite of check post Vidyannagar, Srir Madhugiri main road Badavanahalli OMU 1, Badavanahalli,  
Madhugiri, Tumkur, Karnataka, India-572112

  
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**Department of Computer Science & Engineering**

## ORGANIZING COMMITTEE

### Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC -R. R. Institutions

### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head  
Department of CSE

### Organising Committee Members

**Dr. Shivakuar Swamy N**

Professor, CSE Department

**Prof. Revathi B**

Assistant Professor, CSE Department

**Prof. Sowmya N**

Assistant Professor, CSE Department

### Student Co-ordinator

Ms. Srilakshmi, 3<sup>rd</sup> Semester

Ms. Sharmila, 3<sup>rd</sup> Semester

Ms. Abhinav, 3<sup>rd</sup> Semester

**Cordially invites all 3<sup>rd</sup> Semester Students for**

**“Bridge Course”**

on

**“Object Oriented Programming Concepts with Java”**

in

**Association with Mevi Technologies Llp,**

**Bengaluru**

**FROM: 24<sup>th</sup> to 26<sup>th</sup> NOV 2022.**



## CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

## GUEST SPEAKER

**Mr. Vijay B R**

IT Manager

MeVi Technologies Llp

Tumkuru, Karnataka

Venue :

CSE Lab

Main Block, RRIT

*Mahendra K V*

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Chikkabanavara, Bangalore - 560 090.

To be a Premier globally recognized Institute with ensuring academic excellence, Innovation and fostering Research in the field of Engineering



## Bridge Course on "Object Oriented Programming Concepts with Java"

24-11-2022

Sl. No.	USN No	Name	Session 1	Session 2	Session 3
1	IRI21CS001	AARATI			
2	IRI21CS002	AASHISH KUMAR YADAV			
3	IRI21CS003	ABDUL KHALID			
4	IRI21CS004	ABDUL SHAMIL			
5	IRI21CS005	ABHIM			
6	IRI21CS006	ABHIV			
7	IRI21CS007	ABHINAV SINGH			
8	IRI21CS008	ABHISHEK R V			
9	IRI21CS009	ABHISHEK SINGH			
10	IRI21CS010	ABSH NAJIB			
11	IRI21CS011	ADINATH RAJEEVAN			
12	IRI21CS012	AISHWARYA HUM			
13	IRI21CS013	AKSHAY ADIVEPPA TELI			
14	IRI21CS014	AMAN KOKHRE			
15	IRI21CS015	AMAN ROUSHAN			
16	IRI21CS016	AMIR HAMJA			
17	IRI21CS017	AMRUTHA S			
18	IRI21CS018	ANAGHA P S			
19	IRI21CS019	ANKIT PATTANAYAK			
20	IRI21CS020	ANSHU RISHAN VK			
21	IRI21CS021	ANSHWAL P ANIL			
22	IRI21CS022	ANURAG M			
23	IRI21CS023	APEKSHA N			
24	IRI21CS024	ARJUN PRAMENI			
25	IRI21CS025	ASHUTOSH JOSHI			
26	IRI21CS026	B K BALAJI			
27	IRI21CS027	BASIM S			
28	IRI21CS028	BIHARATHI G			
29	IRI21CS029	BIKASH SAI			
30	IRI21CS030	BINITA PAUL			
31	IRI21CS031	CHANDAN S			
32	IRI21CS032	CHIRI ANNA KIRUTHIGA			
33	IRI21CS033	DEBDEEPTA SAMUI			
34	IRI21CS034	DEEPA N			

*M. Lakshmi*  
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35.	IRI21CS035	DEEPA S	<del>Deeta</del>	<del>Deeta</del>	<del>Deeta</del>
36.	IRI21CS036	DEVARAJ S	Absent	Absent	Absent
37.	IRI21CS037	G DINESH KUMAR	G. Dinesh	G. Dinesh	G. Dinesh
38.	IRI21CS038	G SHREE DI VI	Shudley G	Shudley G	Shudley G
39.	IRI21CS039	GAGANA P	Gagan P	Gagan P	Gagan P
40.	IRI21CS040	GAYATHRI A V	Gayathri A.V	Gayathri A.V	Gayathri A.V
41.	IRI21CS041	GHEEWALA SUCHI VISHAI	Gheewala	Gheewala	Gheewala
42.	IRI21CS042	GOUTHAM S	Goutham S	Goutham S	Goutham S
43.	IRI21CS043	GURURAJ R	Gururaj R	Gururaj R	Gururaj R
44.	IRI21CS044	HAGIZ HANUFA	Hagiz	Hagiz	Hagiz
45.	IRI21CS045	HALU RAJA	Halu Raja	Halu Raja	Halu Raja
46.	IRI21CS046	HARIKRISHNAN M	Hari Krishnan M	Hari Krishnan M	Hari Krishnan M
47.	IRI21CS047	HARSHITHA S L	Harshitha S.L	Harshitha S.L	Harshitha S.L
48.	IRI21CS048	HEMA R	Hema R	Hema R	Hema R
49.	IRI21CS049	HEMASHREE S	Hemashree S	Hemashree S	Hemashree S
50.	IRI21CS050	JISHN SURESH	Jishn Suresh	Jishn Suresh	Jishn Suresh
51.	IRI21CS051	JYADU C	Jyadu C	Jyadu C	Jyadu C
52.	IRI21CS052	JOBIN P THOMAS	Jobin P Thomas	Jobin P Thomas	Jobin P Thomas
53.	IRI21CS053	JOEL T SAJLEV	Joel T Sajlev	Joel T Sajlev	Joel T Sajlev
54.	IRI21CS054	KRUTHI ML	Kruthi M.L	Kruthi M.L	Kruthi M.L
55.	IRI21CS055	KRUTHIKA S H	Kruthika S.H	Kruthika S.H	Kruthika S.H
56.	IRI21CS056	LINGARAJ MURADI	Lingaraj Muradi	Lingaraj Muradi	Lingaraj Muradi
57.	IRI21CS057	LINSHASHANK	Linshashank	Linshashank	Linshashank
58.	IRI21CS058	MADHUMITHA D	Madhumitha D	Madhumitha D	Madhumitha D
59.	IRI21CS059	MANOJ GOWDA N	Manoj Gowda N	Manoj Gowda N	Manoj Gowda N
60.	IRI21CS060	MD AASHIF RAZA	MD Aashif Raza	MD Aashif Raza	MD Aashif Raza
61.	IRI21CS061	MISRIYA FBR AHIM MOHAMMAD	Misriya FBR Ahim Mohammad	Misriya FBR Ahim Mohammad	Misriya FBR Ahim Mohammad
62.	IRI21CS062	MOHAMMED RAMSHAD	Mohammed Ramshad	Mohammed Ramshad	Mohammed Ramshad
63.	IRI21CS063	MOHAMMED RIYAN	Mohammed Riyan	Mohammed Riyan	Mohammed Riyan
64.	IRI21CS064	MOHAMMED SUHAIL A N	Mohammed Suhail A.N	Mohammed Suhail A.N	Mohammed Suhail A.N
65.	IRI21CS065	MOHAMMED ZAHID	Mohammed Zahid	Mohammed Zahid	Mohammed Zahid
66.	IRI21CS066	MOHAMMED SANJIDH	Mohammed Sanjiddh	Mohammed Sanjiddh	Mohammed Sanjiddh
67.	IRI21CS067	MORITHI H L	Morithi H.L	Morithi H.L	Morithi H.L
68.	IRI21CS068	MONISHA B M	Monisha B.M	Monisha B.M	Monisha B.M

present = 65

Head of Department  
 Department of Computer Science & Engg  
 R.R. Institute of Technology  
 Hosur Road Main Road  
 Chikkabannavara Bangalore

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Department of Computer Science & Engineering

## Bridge Course on "Object Oriented Programming Concepts with Java"

25-11-2022

Sl. No.	USN No.	Name	Session 1	Session 2	Session 3
1.	1RI21CS001	AARATI	Aarati	Aarati	Aarati
2.	1RI21CS002	AASHISH KUMAR YADAV	Aashish	Aashish	Aashish
3.	1RI21CS003	ABDUL KHALID	Abdul Khalid	Abdul Khalid	Abdul Khalid
4.	1RI21CS004	ABDUL SHAMII	Abdul Shamii	Abdul Shamii	Abdul Shamii
5.	1RI21CS005	ABHI M	Abhi M	Abhi M	Abhi M
6.	1RI21CS006	ABHI V	Abhi V	Abhi V	Abhi V
7.	1RI21CS007	ABHINAV SINGH	Abhinav Singh	Abhinav Singh	Abhinav Singh
8.	1RI21CS008	ABHISHEK R V	Abhishek R V	Abhishek R V	Abhishek R V
9.	1RI21CS009	ABHISHEK SINGH	Abhishek Singh	Abhishek Singh	Abhishek Singh
10.	1RI21CS010	ABSH NAJEEB	Absh Najeeb	Absh Najeeb	Absh Najeeb
11.	1RI21CS011	ADINATH RAJEEVAN	Adinath Rajeevan	Adinath Rajeevan	Adinath Rajeevan
12.	1RI21CS012	AISHWARYA H M	Aishwarya H M	Aishwarya H M	Aishwarya H M
13.	1RI21CS013	AKSHAY ADIVEPPA TELI	Akshay Adiveppa Teli	Akshay Adiveppa Teli	Akshay Adiveppa Teli
14.	1RI21CS014	AMAN KOKHER	Aman Kokher	Aman Kokher	Aman Kokher
15.	1RI21CS015	AMAN ROUSHAN	Aman Roushan	Aman Roushan	Aman Roushan
16.	1RI21CS016	AMIR HAMJA	Amir Hamja	Amir Hamja	Amir Hamja
17.	1RI21CS017	AMRUTHA S	Amrutha S	Amrutha S	Amrutha S
18.	1RI21CS018	ANAGHA P S	Anagha P S	Anagha P S	Anagha P S
19.	1RI21CS019	ANKIT PATTANAYAK	Ankit Pattanayak	Ankit Pattanayak	Ankit Pattanayak
20.	1RI21CS020	ANSHIL RIHAN V K	Absent	Absent	Absent
21.	1RI21CS021	ANSHWAL P ANIL	Anshwal P Anil	Anshwal P Anil	Anshwal P Anil
22.	1RI21CS022	ANURAG M	Anurag M	Anurag M	Anurag M
23.	1RI21CS023	APRANA S	Aprana S	Aprana S	Aprana S
24.	1RI21CS024	ARJUN P RAMESH	Absent	Absent	Absent
25.	1RI21CS025	ASHITOSH S JOSHI	Ashitosh S Joshi	Ashitosh S Joshi	Ashitosh S Joshi
26.	1RI21CS026	B K BALAJI	B K Balaji	B K Balaji	B K Balaji
27.	1RI21CS027	BASIM S	Basim S	Basim S	Basim S
28.	1RI21CS028	BHARATH G	Bharath G	Bharath G	Bharath G
29.	1RI21CS029	BHASKAR S	Bhaskar S	Bhaskar S	Bhaskar S
30.	1RI21CS030	BINITA PAUL	Binita Paul	Binita Paul	Binita Paul
31.	1RI21CS031	CHANDAN S	Chandan S	Chandan S	Chandan S
32.	1RI21CS032	CHIKKANNA MURTHY CHOLAK	Absent	Absent	Absent
33.	1RI21CS033	DEBDEEPTA SAMUI	Debdeпта Samui	Debdeпта Samui	Debdeпта Samui
34.	1RI21CS034	DEEPA N	Deepa N	Deepa N	Deepa N

*Mahesh*

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Chikkabanavara, Bangalore - 560 090.

35.	IRI21CS035	DEEPA S	<del>Deepa</del>	<del>Deepa</del>	<del>Deepa</del>
36.	IRI21CS036	DEVARAJ S	<del>Devaraj S</del>	<del>Devaraj S</del>	<del>Devaraj S</del>
37.	IRI21CS037	G DINESH KUMAR	<del>G Dinesh</del>	<del>G Dinesh</del>	<del>G Dinesh</del>
38.	IRI21CS038	G SHREE DEVI	<del>G Shree Devi</del>	<del>G Shree Devi</del>	<del>G Shree Devi</del>
39.	IRI21CS039	GAGANA P	<del>Gagana P</del>	<del>Gagana P</del>	<del>Gagana P</del>
40.	IRI21CS040	GAYATHRI A V	<del>Gayathri A V</del>	<del>Gayathri A V</del>	<del>Gayathri A V</del>
41.	IRI21CS041	GHEFWALA SUCHIT VISHAL	<del>Ghefwala Suchit Vishal</del>	<del>Ghefwala Suchit Vishal</del>	<del>Ghefwala Suchit Vishal</del>
42.	IRI21CS042	GOUTHAM S	<del>Goutham S</del>	<del>Goutham S</del>	<del>Goutham S</del>
43.	IRI21CS043	GURURAJ R	<del>Gururaj R</del>	<del>Gururaj R</del>	<del>Gururaj R</del>
44.	IRI21CS044	HAFIZ HANEEFA	<del>Hafiz Haneefa</del>	<del>Hafiz Haneefa</del>	<del>Hafiz Haneefa</del>
45.	IRI21CS045	HALUL RAJA	<del>Halul Raja</del>	<del>Halul Raja</del>	<del>Halul Raja</del>
46.	IRI21CS046	HARIKRISHNAN M	<del>Harikrishnan M</del>	<del>Harikrishnan M</del>	<del>Harikrishnan M</del>
47.	IRI21CS047	HARSHITHA S L	<del>Harshitha S L</del>	<del>Harshitha S L</del>	<del>Harshitha S L</del>
48.	IRI21CS048	HEMA R	<del>Hema R</del>	<del>Hema R</del>	<del>Hema R</del>
49.	IRI21CS049	HEMASHREE S	<del>Hemashree S</del>	<del>Hemashree S</del>	<del>Hemashree S</del>
50.	IRI21CS050	JISHIN SURESH	<del>Jishin Suresh</del>	<del>Jishin Suresh</del>	<del>Jishin Suresh</del>
51.	IRI21CS051	JIYAD C	<del>Jiyad C</del>	<del>Jiyad C</del>	<del>Jiyad C</del>
52.	IRI21CS052	JOBIN P THOMAS	<del>Jobin P Thomas</del>	<del>Jobin P Thomas</del>	<del>Jobin P Thomas</del>
53.	IRI21CS053	JOEL T SAJEEV	<del>Joel T Sajeev</del>	<del>Joel T Sajeev</del>	<del>Joel T Sajeev</del>
54.	IRI21CS054	KRUTHI ML	<del>Kruthi ML</del>	<del>Kruthi ML</del>	<del>Kruthi ML</del>
55.	IRI21CS055	KRUTHIKA S H	<del>Kruthika S H</del>	<del>Kruthika S H</del>	<del>Kruthika S H</del>
56.	IRI21CS056	LINGARAJ MURADI	<del>Lingaraj Muradi</del>	<del>Lingaraj Muradi</del>	<del>Lingaraj Muradi</del>
57.	IRI21CS057	M N SHASHANK	<del>M N Shashank</del>	<del>M N Shashank</del>	<del>M N Shashank</del>
58.	IRI21CS058	MADHUMITHA D	<del>Madhumitha D</del>	<del>Madhumitha D</del>	<del>Madhumitha D</del>
59.	IRI21CS059	MANOJ GOWDA N	<del>Manoj Gowda N</del>	<del>Manoj Gowda N</del>	<del>Manoj Gowda N</del>
60.	IRI21CS060	MIDANSHI RAZA	<del>Midanishi Raza</del>	<del>Midanishi Raza</del>	<del>Midanishi Raza</del>
61.	IRI21CS061	MISRIYA EBRAHIM MOHASIN	<del>Misriya Ebrahim Mohasin</del>	<del>Misriya Ebrahim Mohasin</del>	<del>Misriya Ebrahim Mohasin</del>
62.	IRI21CS062	MOHAMED RAMSHAD	<del>Mohamed Ramshad</del>	<del>Mohamed Ramshad</del>	<del>Mohamed Ramshad</del>
63.	IRI21CS063	MOHAMMED RIYAN	<del>Mohammed Riyan</del>	<del>Mohammed Riyan</del>	<del>Mohammed Riyan</del>
64.	IRI21CS064	MOHAMMED SUHAIL A M	<del>Mohammed Suhail A M</del>	<del>Mohammed Suhail A M</del>	<del>Mohammed Suhail A M</del>
65.	IRI21CS065	MOHAMMED ZAHID	<del>Mohammed Zahid</del>	<del>Mohammed Zahid</del>	<del>Mohammed Zahid</del>
66.	IRI21CS066	MOHAMMED SANJIDH	<del>Mohammed Sanjiddh</del>	<del>Mohammed Sanjiddh</del>	<del>Mohammed Sanjiddh</del>
67.	IRI21CS067	MOHITH H L	<del>Mohith H L</del>	<del>Mohith H L</del>	<del>Mohith H L</del>
68.	IRI21CS068	MONISHA B M	<del>Monisha B M</del>	<del>Monisha B M</del>	<del>Monisha B M</del>

Total: 65

*[Signature]*  
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Head of Department  
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Raja Reddy Layout, Chikkabanavara, Bangalore - 560 090

Department of Computer Science & Engineering

## Bridge Course on "Object Oriented Programming Concepts with Java"

26-11-2022

Sl. No.	USN No	Name	Session 1	Session 2	Session 3
1.	IRI21CS001	AARATI	Aarati	Aarati	Aarati
2.	IRI21CS002	AASHISH KUMAR YADAV	Aashish	Aashish	Aashish
3.	IRI21CS003	ABDUL KHALID	Abdul	Abdul	Abdul
4.	IRI21CS004	ABDUL SHAMIL	Abdul	Abdul	Abdul
5.	IRI21CS005	ABHI M	Abhi.M	Abhi.M	Abhi.M
6.	IRI21CS006	ABHI V	Abhi.V	Abhi.V	Abhi.V
7.	IRI21CS007	ABHINAV SINGH	Abhinav	Abhinav	Abhinav
8.	IRI21CS008	ABHISHEK R V	Abhishek	Abhishek	Abhishek
9.	IRI21CS009	ABHIRAM S	Abhiram	Abhiram	Abhiram
10.	IRI21CS010	ABSH NAJEEB	Absh	Absh	Absh
11.	IRI21CS011	ADINATH RAJEEVAN	Adinath	Adinath	Adinath
12.	IRI21CS012	AISHWARYA H M	Aishwarya	Aishwarya	Aishwarya
13.	IRI21CS013	AKSHAY ADIVEPPA TELI	Akshay	Akshay	Akshay
14.	IRI21CS014	AMAN KOKHER	Aman	Aman	Aman
15.	IRI21CS015	AMAN KUSHAN	Aman	Aman	Aman
16.	IRI21CS016	AMIR HAMJA	Amir	Amir	Amir
17.	IRI21CS017	AMRUTHA S	Amrutha	Amrutha	Amrutha
18.	IRI21CS018	ANAGHA P S	Anagha	Anagha	Anagha
19.	IRI21CS019	ANKIT PATTANAYAK	Ankit	Ankit	Ankit
20.	IRI21CS020	ANSHIL RIHAN V K	Absent	Absent	Absent
21.	IRI21CS021	ANSHUVA P ANJI	Anshu	Anshu	Anshu
22.	IRI21CS022	ANURAG M	Anurag	Anurag	Anurag
23.	IRI21CS023	APEKSHA N	Apeksha	Apeksha	Apeksha
24.	IRI21CS024	ARJUN P RAMESH	Arjun	Arjun	Arjun
25.	IRI21CS025	ASHITOSH S JOSHI	Ashitosh	Ashitosh	Ashitosh
26.	IRI21CS026	B K BALAJI	B.K.	B.K.	B.K.
27.	IRI21CS027	BASIM S	Basim	Basim	Basim
28.	IRI21CS028	BHARATH G	Bharath	Bharath	Bharath
29.	IRI21CS029	BIKASH SAH	Bikash	Bikash	Bikash
30.	IRI21CS030	BINITA PAUL	Binita	Binita	Binita
31.	IRI21CS031	CHANDAN S	Chandan	Chandan	Chandan
32.	IRI21CS032	CHIKKANNA MURTHY CHOLA	Absent	Absent	Absent
33.	IRI21CS033	DEBDEEPTA SAMUI	Deepti	Deepti	Deepti
34.	IRI21CS034	DLEPA N	Deepa	Deepa	Deepa

M. Lakshmi  
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35.	IRI21CS035	DEEPA S	<i>Deepa S</i>	<i>Deepa S</i>	<i>Deepa S</i>
36.	IRI21CS036	DEVARAJ S	<i>Devaraj S</i>	<i>Devaraj S</i>	<i>Devaraj S</i>
37.	IRI21CS037	G DINESH KUMAR	<i>G Dinesh Kumar</i>	<i>G Dinesh Kumar</i>	<i>G Dinesh Kumar</i>
38.	IRI21CS038	G SHREE DEVI	<i>G Shree Devi</i>	<i>G Shree Devi</i>	<i>G Shree Devi</i>
39.	IRI21CS039	GAGANAV	<i>Gaganav</i>	<i>Gaganav</i>	<i>Gaganav</i>
40.	IRI21CS040	GAYATHRI A V	<i>Gayathri A V</i>	<i>Gayathri A V</i>	<i>Gayathri A V</i>
41.	IRI21CS041	GHEEWALA SUCHIT VISHAL	<i>Gheewala Suchit Vishal</i>	<i>Gheewala Suchit Vishal</i>	<i>Gheewala Suchit Vishal</i>
42.	IRI21CS042	GOUTHAM S	<i>Goutham S</i>	<i>Goutham S</i>	<i>Goutham S</i>
43.	IRI21CS043	GURURAJ R	<i>Gururaj R</i>	<i>Gururaj R</i>	<i>Gururaj R</i>
44.	IRI21CS044	HAFIZ HANEEFA	<i>Hafiz Haneefa</i>	<i>Hafiz Haneefa</i>	<i>Hafiz Haneefa</i>
45.	IRI21CS045	HANISHA V	<i>Hanisha V</i>	<i>Hanisha V</i>	<i>Hanisha V</i>
46.	IRI21CS046	HARIKRISHNAN M	<i>Harikrishnan M</i>	<i>Harikrishnan M</i>	<i>Harikrishnan M</i>
47.	IRI21CS047	HARSHITHA S L	<i>Harshitha S L</i>	<i>Harshitha S L</i>	<i>Harshitha S L</i>
48.	IRI21CS048	HEMA R	<i>Hema R</i>	<i>Hema R</i>	<i>Hema R</i>
49.	IRI21CS049	HEMASHREE S	<i>Hemashree S</i>	<i>Hemashree S</i>	<i>Hemashree S</i>
50.	IRI21CS050	JISHIN SURESH	<i>Jishin Suresh</i>	<i>Jishin Suresh</i>	<i>Jishin Suresh</i>
51.	IRI21CS051	JYAD C	<i>Jyad C</i>	<i>Jyad C</i>	<i>Jyad C</i>
52.	IRI21CS052	JOBIN P THOMAS	<i>Jobin P Thomas</i>	<i>Jobin P Thomas</i>	<i>Jobin P Thomas</i>
53.	IRI21CS053	JOEL T SAJEEV	<i>Joel T Sajeev</i>	<i>Joel T Sajeev</i>	<i>Joel T Sajeev</i>
54.	IRI21CS054	KRUTHI M L	<i>Kruthi M L</i>	<i>Kruthi M L</i>	<i>Kruthi M L</i>
55.	IRI21CS055	KRUTHIKA S H	<i>Kruthika S H</i>	<i>Kruthika S H</i>	<i>Kruthika S H</i>
56.	IRI21CS056	LINGARAJ MURADI	<i>Lingaraj Muradi</i>	<i>Lingaraj Muradi</i>	<i>Lingaraj Muradi</i>
57.	IRI21CS057	M N SHASHANK	<i>M N Shashank</i>	<i>M N Shashank</i>	<i>M N Shashank</i>
58.	IRI21CS058	MADHUMITHA D	<i>Madhumitha D</i>	<i>Madhumitha D</i>	<i>Madhumitha D</i>
59.	IRI21CS059	MANOJ GOWDA N	<i>Manoj Gowda N</i>	<i>Manoj Gowda N</i>	<i>Manoj Gowda N</i>
60.	IRI21CS060	MD AASHIF RAZA	<i>MD Aashif Raza</i>	<i>MD Aashif Raza</i>	<i>MD Aashif Raza</i>
61.	IRI21CS061	MISRIYA EBRAHIM MOHASIN	<i>Misriya Ebrahim Mohasin</i>	<i>Misriya Ebrahim Mohasin</i>	<i>Misriya Ebrahim Mohasin</i>
62.	IRI21CS062	MOHAMED RAMSHAD	<i>Mohamed Ramshad</i>	<i>Mohamed Ramshad</i>	<i>Mohamed Ramshad</i>
63.	IRI21CS063	MOHAMMED RIYAN	<i>Mohammed Riyan</i>	<i>Mohammed Riyan</i>	<i>Mohammed Riyan</i>
64.	IRI21CS064	MOHAMMED SUHAIL A M	<i>Mohammed Suhail A M</i>	<i>Mohammed Suhail A M</i>	<i>Mohammed Suhail A M</i>
65.	IRI21CS065	MOHAMMED ZAHID	<i>Mohammed Zahid</i>	<i>Mohammed Zahid</i>	<i>Mohammed Zahid</i>
66.	IRI21CS066	MOHAMMED SANJIDH	<i>Mohammed Sanjith</i>	<i>Mohammed Sanjith</i>	<i>Mohammed Sanjith</i>
67.	IRI21CS067	MOHITH H L	<i>Mohith H L</i>	<i>Mohith H L</i>	<i>Mohith H L</i>
68.	IRI21CS068	MONISHA B M	<i>Monisha B M</i>	<i>Monisha B M</i>	<i>Monisha B M</i>

Total: 65

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Department of Computer Science & Engineering

## Bridge Course on "Object Oriented Programming Concepts with Java"

24-11-2022

Sl. No.	USN No	Name	Session 1	Session 2	Session 3
1.	1RI21CS069	MUHAMED ASLAM	Aslam	Aslam	Aslam
2.	1RI21CS070	MUHAMMED ASHEEM P K	Absent	Absent	Absent
3.	1RI21CS071	MUHAMMED YASAR	Absent	Absent	Absent
4.	1RI21CS072	NANDEESHA	Nanda	Nanda	Nanda
5.	1RI21CS073	NEERAJ KUMAR SINGH	Neeraj	Neeraj	Neeraj
6.	1RI21CS074	NEHA ANNA	Neha	Neha	Neha
7.	1RI21CS075	P S CHANDRACHOODA	P.S.	P.S.	P.S.
8.	1RI21CS076	PALLAVI S	Pallavi S	Pallavi S	Pallavi S
9.	1RI21CS077	PAVAN D C	Pavan D C	Pavan D C	Pavan D C
10.	1RI21CS078	PAVANKUMAR	Pavankumar	Pavankumar	Pavankumar
11.	1RI21CS079	POULOMI BHATTACHARYA	Poulomi	Poulomi	Poulomi
12.	1RI21CS080	PRARTHANA NATHI	Absent	Absent	Absent
13.	1RI21CS081	PRASANNA MOHAN NAIK	Prasanna	Prasanna	Prasanna
14.	1RI21CS082	PRATHEEK Y	Pratheek Y	Pratheek Y	Pratheek Y
15.	1RI21CS083	PRATHIBHA S	Prathibha S	Prathibha S	Prathibha S
16.	1RI21CS084	PROMIT SAHA	Promit Saha	Promit Saha	Promit Saha
17.	1RI21CS085	PUNEETH T	Puneeth T	Puneeth T	Puneeth T
18.	1RI21CS086	RAFFEK S	Absent	Absent	Absent
19.	1RI21CS087	RAHUL	Rahul	Rahul	Rahul
20.	1RI21CS088	RAHUL	Rahul	Rahul	Rahul
21.	1RI21CS089	RICKSON PRAJWAL PEREIRA	Rickson	Rickson	Rickson
22.	1RI21CS090	RINSHAD P R	Rinshad P R	Rinshad P R	Rinshad P R
23.	1RI21CS091	ROHAN RATHOD	Rohan Rathod	Rohan Rathod	Rohan Rathod
24.	1RI21CS092	ROHAN S	Rohan S	Rohan S	Rohan S
25.	1RI21CS093	ROHIT KAUI	Rohit Kaui	Rohit Kaui	Rohit Kaui
26.	1RI21CS094	ROHITH K N	Rohith K N	Rohith K N	Rohith K N
27.	1RI21CS095	S SHINY JULIET	S Shiny Juliet	S Shiny Juliet	S Shiny Juliet
28.	1RI21CS096	SACHIN R NAIR	Absent	Absent	Absent
29.	1RI21CS097	SAHANA M R	Sahana M R	Sahana M R	Sahana M R
30.	1RI21CS098	SAKIL RAHAMAN MAJUMDER	Sakil Rahaman Majumder	Sakil Rahaman Majumder	Sakil Rahaman Majumder
31.	1RI21CS099	SANMITHA R	Sanmitha R	Sanmitha R	Sanmitha R
32.	1RI21CS100	SANTHOSH N	Santhosh N	Santhosh N	Santhosh N
33.	1RI21CS101	SAYYID MOHAMED HISHAM P	Sayyid Mohamed Hisham P	Sayyid Mohamed Hisham P	Sayyid Mohamed Hisham P
34.	1RI21CS102	SHAILY RAJ	Shaily Raj	Shaily Raj	Shaily Raj

Principal

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Chikkabanavara, Bangalore - 560 090.

35.	IRI21CS103	SHARMILA B	Sharmila B	Sharmila B	Sharmila B
36.	IRI21CS104	SHIRAM DAS	S	S	S
37.	IRI21CS105	SHOVAN MAITY	S. Maity	S. Maity	S. Maity
38.	IRI21CS106	SIDDHANT KUMAR JHA	Siddhanta	Siddhanta	Siddhanta
39.	IRI21CS107	SIVAM MUKHERJEE	Som	Som	Som
40.	IRI21CS108	SNEHA D NAYAK	Sneha	Sneha	Sneha
41.	IRI21CS109	SOORYAJITH S	Sooryajith	Sooryajith	Sooryajith
42.	IRI21CS110	SOUVAGYA MAITY	Souvagya	Souvagya	Souvagya
43.	IRI21CS111	SREENANDHANA P S	Sreenandhana	Sreenandhana	Sreenandhana
44.	IRI21CS112	SRI LAKSHMI M	Sri. Lakshmi	Sri. Lakshmi	Sri. Lakshmi
45.	IRI21CS113	SUHAS S TELKAR	Suhas	Suhas	Suhas
46.	IRI21CS114	SUHAS V U	Suhas	Suhas	Suhas
47.	IRI21CS115	SUMA G M	Suma	Suma	Suma
48.	IRI21CS116	SUMAN SAMANTA	Suman	Suman	Suman
49.	IRI21CS117	SUSMITA MIDYA	Susmita	Susmita	Susmita
50.	IRI21CS118	SWAMY K B T	Swamy	Swamy	Swamy
51.	IRI21CS119	SYED ARSHUR REHMAN	Syed	Syed	Syed
52.	IRI21CS120	TEJAS V	Tejas V	Tejas V	Tejas V
53.	IRI21CS121	VANDANA R	Vandana	Vandana	Vandana
54.	IRI21CS122	VEEKSHA S	Veeksha	Veeksha	Veeksha
55.	IRI21CS123	YEMAN CHAUDHARY	Yeman	Yeman	Yeman
56.	IRI21CS124	YESHWANTH B	Yeshwanth	Yeshwanth	Yeshwanth
57.	IRI21CS125	YOGESH P	Yogesh	Yogesh	Yogesh
58.	IRI21CS126	ZAYED M	Zayed	Zayed	Zayed
59.	COB	SAGAR KUMAR PATEL	Sagar	Sagar	Sagar

Total : 49

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Department of Computer Science & Engineering

## Bridge Course on "Object Oriented Programming Concepts with Java"

25-11-2022

Sl. No.	USN No	Name	Session 1	Session 2	Session 3
1.	IRI21CS069	MU'HAMED ASLAM	Aslam	Aslam	Aslam
2.	IRI21CS070	MUHAMMED ASHEEM P K	Absent	Absent	Ab
3.	IRI21CS071	MUHAMMED YASAR	Absent	Ab-	Ab
4.	IRI21CS072	NANDEESHA	Nandish	Nandish	Nandish
5.	IRI21CS073	NEERAJ KUMAR SINGH	Neha	Neha	Neha
6.	IRI21CS074	NEHA LAMA	Neha	Neha	Neha
7.	IRI21CS075	P S CHANDRACHOODA	P.S.	P.S.	P.S.
8.	IRI21CS076	PALLAVIS	Pallavis	Pallavis	Pallavis
9.	IRI21CS077	PAVAN D C	Pavan D C	Pavan D C	Pavan D C
10.	IRI21CS078	PAVANKUMAR	Pavan	Pavan	Pavan
11.	IRI21CS079	POULOMI BHATTACHARYA	PB	PB	PB
12.	IRI21CS080	PRARTHANA NATH	Ab	Ab	Ab
13.	IRI21CS081	PRASANNA MOHAN NAIK	Prasanna	Prasanna	Prasanna
14.	IRI21CS082	PRATHEEK Y	Prasanna	Prasanna	Prasanna
15.	IRI21CS083	PRATHIBHA S	Prathibha S	Prathibha S	Prathibha S
16.	IRI21CS084	PROMIT SAHA	P.P.	P.P.	P.P.
17.	IRI21CS085	PUNEETH T	Puneeth	Puneeth	Puneeth
18.	IRI21CS086	RAFEEK S	Ab	Ab	Ab
19.	IRI21CS087	RAHUL	Rahul	Rahul	Rahul
20.	IRI21CS088	RAHUL	Rahul	Rahul	Rahul
21.	IRI21CS089	RICKSON PRAJWAL PEREIRA	Rickson	Rickson	Rickson
22.	IRI21CS090	RINSHAD P R	Ab	Ab	Ab
23.	IRI21CS091	ROHAN RATHOD	Rohan Rathod	Rohan Rathod	Rohan Rathod
24.	IRI21CS092	ROHAN S	Rohan	Rohan	Rohan
25.	IRI21CS093	ROHIT RAUT	Rohit Raut	Rohit Raut	Rohit Raut
26.	IRI21CS094	ROHITH K N	Rohith	Rohith	Rohith
27.	IRI21CS095	S SHINY JULIET	Shiny Juliet	Shiny Juliet	Shiny Juliet
28.	IRI21CS096	SACHIN R NAIR	Ab	Ab	Ab
29.	IRI21CS097	SAHANA M R	Sahana M R	Sahana M R	Sahana M R
30.	IRI21CS098	SAKIL RAHAMAN MAJUMDER	Sakil Rahaman	Sakil Rahaman	Sakil Rahaman
31.	IRI21CS099	SANMITH R L	Sanmith R L	Sanmith R L	Sanmith R L
32.	IRI21CS100	SANTHOSH N	Santhosh N	Santhosh N	Santhosh N
33.	IRI21CS101	SAYYID MOHAMED HISHAM P	Ab	Ab	Ab
34.	IRI21CS102	SHAILY RAJ	Shaily Raj	Shaily Raj	Shaily Raj

*Melaha*  
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35.	IRI21CS103	SHARMIL A B	Sharmila B	Sharmila B	Sharmila B
36.	IRI21CS104	SHIBAM DAS	<del>Shibam Das</del>	<del>Shibam Das</del>	<del>Shibam Das</del>
37.	IRI21CS105	SHOVAN MAITY	S. Maity	S. Maity	S. Maity
38.	IRI21CS106	SIDDHANT KUMAR JHA	Siddhant	Siddhant	Siddhant
39.	IRI21CS107	SIVAM MUKHERJEE	Sivam	Sivam	Sivam
40.	IRI21CS108	SNEHA D NAYAK	Sneha	Sneha	Sneha
41.	IRI21CS109	SOORYAJITH S	Sooryajith	Sooryajith	Sooryajith
42.	IRI21CS110	SOUVAGYA MAITY	Souvagya	Souvagya	Souvagya
43.	IRI21CS111	SRI L NANDHAN A P S	Sri Lakshmi	Sri Lakshmi	Sri Lakshmi
44.	IRI21CS112	SRI LAKSHMI M	Sri Lakshmi	Sri Lakshmi	Sri Lakshmi
45.	IRI21CS113	SUHAS S TELKAR	Suhas	Suhas	Suhas
46.	IRI21CS114	SUHAS V U	Suhas	Suhas	Suhas
47.	IRI21CS115	SUMA G M	Suma	Suma	Suma
48.	IRI21CS116	SUMAN SAMANTA	Suman	Suman	Suman
49.	IRI21CS117	SUSMITA MIDYA	Susmita	Susmita	Susmita
50.	IRI21CS118	SWAMY K B T	Swamy	Swamy	Swamy
51.	IRI21CS119	SYED ARSHUR REHMAN	Syed Arshur	Syed Arshur	Syed Arshur
52.	IRI21CS120	TEJAS V	Tejas	Tejas	Tejas
53.	IRI21CS121	VANDANA R	Vandana	Vandana	Vandana
54.	IRI21CS122	VLEKSHA S	Vleksha	Vleksha	Vleksha
55.	IRI21CS123	YI MAN CHAUDHARY	Yi Man	Yi Man	Yi Man
56.	IRI21CS124	YI SHWANTH B	Yi Shwanth	Yi Shwanth	Yi Shwanth
57.	IRI21CS125	YOGESH P	Yogesh	Yogesh	Yogesh
58.	IRI21CS126	ZAYED M	Zayed	Zayed	Zayed

present = 49

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Raja Peddy Layout, Chikkabanavara, Bangalore - 560 090

Department of Computer Science & Engineering

## Bridge Course on "Object Oriented Programming Concepts with Java"

26-11-2022

Sl. No.	USN No	Name	Session 1	Session 2	Session 3
1.	IRI21CS069	MUHAMED ASLAM			
2.	IRI21CS070	MUHAMMED ASHEEM P K	Ashlet	Ashlet	Ashlet
3.	IRI21CS071	MUHAMMED YASAR	Absent	Absent	Absent
4.	IRI21CS072	NANDEESHA	<del>NA</del>	<del>NA</del>	<del>NA</del>
5.	IRI21CS073	NEERAJ KUMAR SINGH	Niraj	Niraj	Niraj
6.	IRI21CS074	NEHA YAMA	Neha	Neha	Neha
7.	IRI21CS075	P S CHANDRACHOODA			
8.	IRI21CS076	PALLAVI S	Pallavis	Pallavis	Pallavis
9.	IRI21CS077	PAVAN D C	Pavona	Pavona	Pavona
10.	IRI21CS078	PAVANKUMAR			
11.	IRI21CS079	POULOMI BHATTACHARYA			
12.	IRI21CS080	PRARTHANA NATHI	Absent	Absent	Absent
13.	IRI21CS081	PRASANNA MOHAN NAIK	Prasanna	Prasanna	Prasanna
14.	IRI21CS082	PRATHEEK Y	Pr	Pr	Pr
15.	IRI21CS083	PRATHIBHA S	Prathibha s	Prathibha s	Prathibha s
16.	IRI21CS084	PROMIT SAHA	Promit	Promit	Promit
17.	IRI21CS085	PUNEETH T	Puneeth	Puneeth	Puneeth
18.	IRI21CS086	RAFEEK S	Absent	Absent	Absent
19.	IRI21CS087	KAHUL	Kahul	Kahul	Kahul
20.	IRI21CS088	RAHUL	Rahul	Rahul	Rahul
21.	IRI21CS089	RICKSON PRAJWAL PEREIRA	Rickson	Rickson	Rickson
22.	IRI21CS090	RINSHAD P R	Absent	Absent	Absent
23.	IRI21CS091	ROHAN RATHOD	Rohan Rathod	Rohan Rathod	Rohan Rathod
24.	IRI21CS092	ROHAN S	Rohan	Rohan	Rohan
25.	IRI21CS093	ROHITH RYU I	Rohith	Rohith	Rohith
26.	IRI21CS094	ROHITH K N	Rh	Rh	Rh
27.	IRI21CS095	S SHINY JULIET	Shiny	Shiny	Shiny
28.	IRI21CS096	SACHIN R NAIR	Absent	Absent	Absent
29.	IRI21CS097	SAHANA M R	Sahana m r	Sahana m r	Sahana m r
30.	IRI21CS098	SAKIL RAHAMAN MAJUMDER	Sakil	Sakil	Sakil
31.	IRI21CS099	SANMITH R L	Sanmith	Sanmith	Sanmith
32.	IRI21CS100	SANTHOSH N	Santhosh n	Santhosh n	Santhosh n
33.	IRI21CS101	SAYYID MOHAMED HISHAM P	Sayyid	Sayyid	Sayyid
34.	IRI21CS102	SHAILY RAJ	Shaily Raj	Shaily Raj	Shaily Raj

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35.	IRI21CS103	SHARMILA B	Sharmila B	Sharmila B	Sharmila B
36.	IRI21CS104	SHIBAM DAS	Shibam Das	Shibam Das	Shibam Das
37.	IRI21CS105	SHOVAN MAITY	S. Maity	S. Maity	S. Maity
38.	IRI21CS106	SIDDHANT KUMAR JHA	Siddhant Kumar Jha	Siddhant Kumar Jha	Siddhant Kumar Jha
39.	IRI21CS107	SIVAM MUKHERJEE	Sivam Mukherjee	Sivam Mukherjee	Sivam Mukherjee
40.	IRI21CS108	SNEHA D NAYAK	Sneha D Nayak	Sneha D Nayak	Sneha D Nayak
41.	IRI21CS109	SOORYAJITH S	Sooryajith S	Sooryajith S	Sooryajith S
42.	IRI21CS110	SOUVAGYA MAITY	Souvagya Maity	Souvagya Maity	Souvagya Maity
43.	IRI21CS111	SREENANDHANA P S	Sreenandhana P S	Sreenandhana P S	Sreenandhana P S
44.	IRI21CS112	SRI LAKSHMI M	Sri Lakshmi M	Sri Lakshmi M	Sri Lakshmi M
45.	IRI21CS113	SUHAS S TELKAR	Suhas S Telkar	Suhas S Telkar	Suhas S Telkar
46.	IRI21CS114	SUHAS V I	Suhas V I	Suhas V I	Suhas V I
47.	IRI21CS115	SUMA G M	Suma G M	Suma G M	Suma G M
48.	IRI21CS116	SUMAN SAMANTA	Suman Samanta	Suman Samanta	Suman Samanta
49.	IRI21CS117	SUSMITA MIDYA	Susmita Midya	Susmita Midya	Susmita Midya
50.	IRI21CS118	SWAMY K B T	Swamy K B T	Swamy K B T	Swamy K B T
51.	IRI21CS119	SYED ARSHUR REHMAN	Syed Arshur Rehman	Syed Arshur Rehman	Syed Arshur Rehman
52.	IRI21CS120	TEJAS V	Tejas V	Tejas V	Tejas V
53.	IRI21CS121	VANDANA R	Vandana R	Vandana R	Vandana R
54.	IRI21CS122	VEEKSHA S	Veeksha S	Veeksha S	Veeksha S
55.	IRI21CS123	YEMAN CHAUDHARY	Yeman Chaudhary	Yeman Chaudhary	Yeman Chaudhary
56.	IRI21CS124	YESHWANTH B	Yeshwanth B	Yeshwanth B	Yeshwanth B
57.	IRI21CS125	YOGESH P	Yogesh P	Yogesh P	Yogesh P
58.	IRI21CS126	ZAYED M	Zayed M	Zayed M	Zayed M
59.		Sagar Kumar Patel	Sagar Kumar Patel	Sagar Kumar Patel	Sagar Kumar Patel

Total 49

HOD

*[Signature]*

Head of Division  
 Department of Computer Science & Information Technology  
 R.R. Institute of Technology  
 Hesaraghatta Main Road  
 Chikkabannavara, Bangalore

*[Signature]*  
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Sage Road, Layout, Chikkabanavara, Bangalore - 560 099

Department of Computer Science & Engineering


Date: 27/11/2022

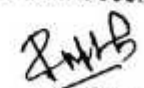
### Report on Bridge Course on "Object Oriented Programming Concepts with Java" From 24<sup>th</sup> to 26<sup>th</sup> November 2022

Department of CSI had conducted a Bridge course on "Object Oriented Programming Concepts with Java" for 3<sup>rd</sup> Sem CSE students from 24<sup>th</sup> to 26<sup>th</sup> November 2022. The session started at 9:30 am by welcoming the Management, Qac. Iqac, Principal, HOD, Students and Staff of RRIT. The Program was conducted at CSE Lab Main Block, RRIT and 114 students were participated. Mr. Vijay B R H Manager MeVi Technologies Llp, Tunkuru, Karnataka provided information regarding Object Oriented Programming Concepts with java .

After the inauguration, the content flow, objectives and outcomes of the bridge course were discussed. In the session of day Started with the introduction on Java was brief and clear and it was created by James Gosling and later it was taken over by ORACLE. Object-oriented programming (OOP) is a computer programming model that organizes software design around data, or objects, rather than functions and logic. An object can be defined as a data field that has unique attributes and behavior. The objective behind the introduction of Object Oriented Programming concepts with java is Understand the basic OOPS concepts and apply them in problem solving. To improve code readability and reusability by defining a java program efficiently. Provides a clear structure for the programs. Achieve code reusability and extensibility by means of Inheritance and Polymorphism.

Object-oriented programming aims to implement real-world entities like inheritance, hiding, polymorphism etc. in programming. The main aim of OOPS is to bind together the data and the functions that operate on them so that no other part of the code can access this data except that function.

  
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HEAD OF DEPARTMENT  
Department of Computer Science & IT  
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Sage Road, Main Road  
Chikkabanavara, Bangalore

OOPs focuses on the objects that developers want to manipulate rather than the logic required to manipulate them. This approach to programming is well-suited for programs that are large, complex and actively updated or maintained. This includes programs for manufacturing and design, as well as mobile applications. For example, OOPs can be used for manufacturing system simulation software.


Advantages are OOPs programs are easier to read and understand. Because you don't have to write out the properties and actions for each character or sprite, your programs will be much shorter. This makes them easier to read and understand. It can be faster to program in OOPs. OOPs makes it easy to reuse objects in other programs. Instead of creating code from scratch, you can use an existing object or method and change it to fit your program. OOPs programs are easier to modify and maintain. With OOP it's easy to make changes to existing objects. You can also use existing objects to create new objects with minor modifications.

OOPs language allows to break the program into the bit-sized problems that can be solved easily (one object at a time). The new technology promises greater programmer productivity, better quality of software and lesser maintenance cost. OOPs systems can be easily upgraded from small to large systems. There are numerous object-oriented programming languages including JavaScript, C, Java, and Python. A class is an abstract design used to produce more specific, concrete objects. Classes frequently represent broad orders, like Auto or Canine that participate in attributes. These classes define what attributes a case of this type will have, like color, but not the value of those attributes for a specific object.

OOPs can also be used in manufacturing and designing applications as it allows people to reduce the efforts involved. For instance, it can be used while designing blueprints and flowcharts. So it makes it possible to produce these flowcharts and blueprint accurately. The new technology promises greater programmer productivity, better quality of software and lesser maintenance cost. OOP systems can be easily upgraded from small to large systems. After bridge course, the students will be able to understand the concepts of class and objects with access control to represent real world entities and Able to reuse the code with extensible class types, User-defined operators and function Overloading. The Bridge course on "Object Oriented Programming Concepts with Java" Program ended on successful note, along with an encouraging feedback from the students.

  
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Head of Department  
Department of Engineering Science & E  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
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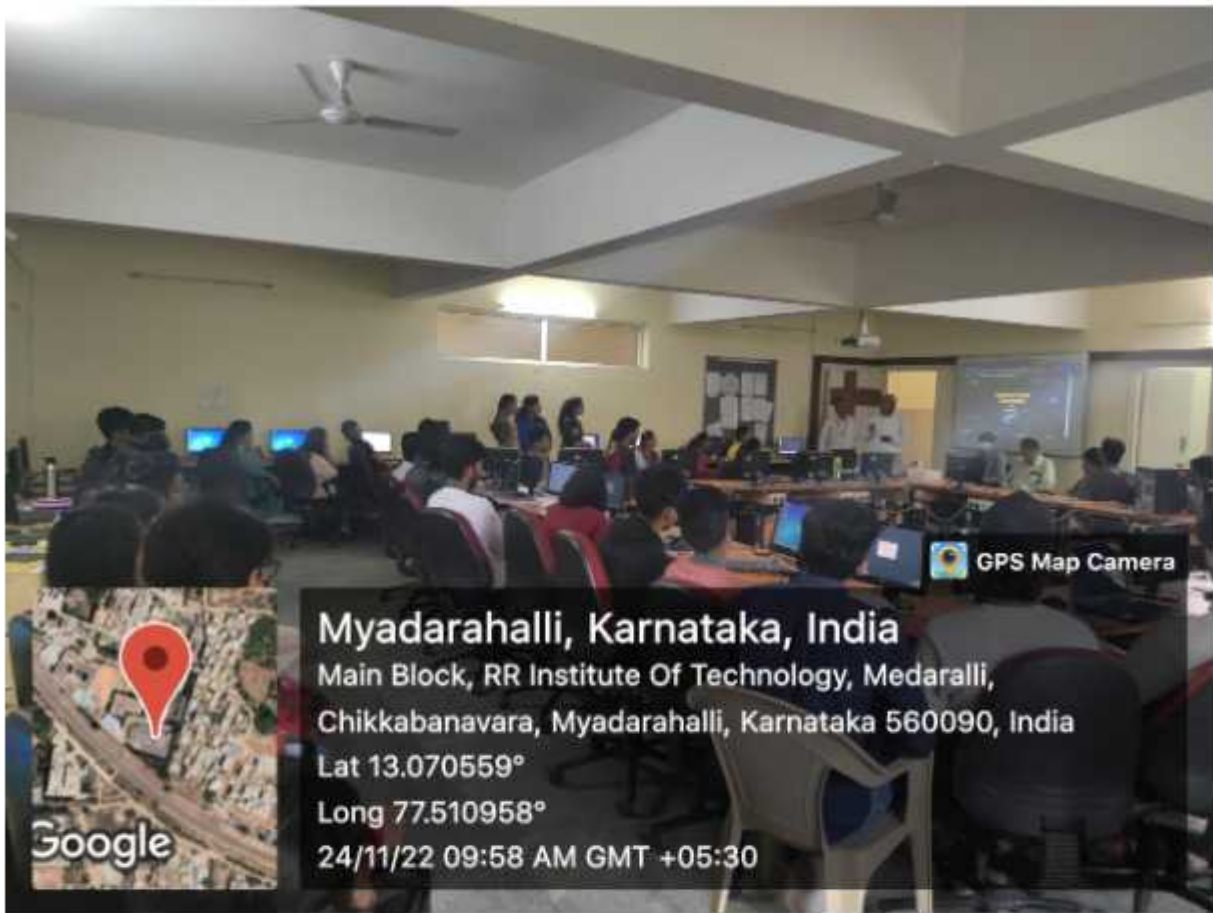
Department of Computer Science & Engineering

## Gallery



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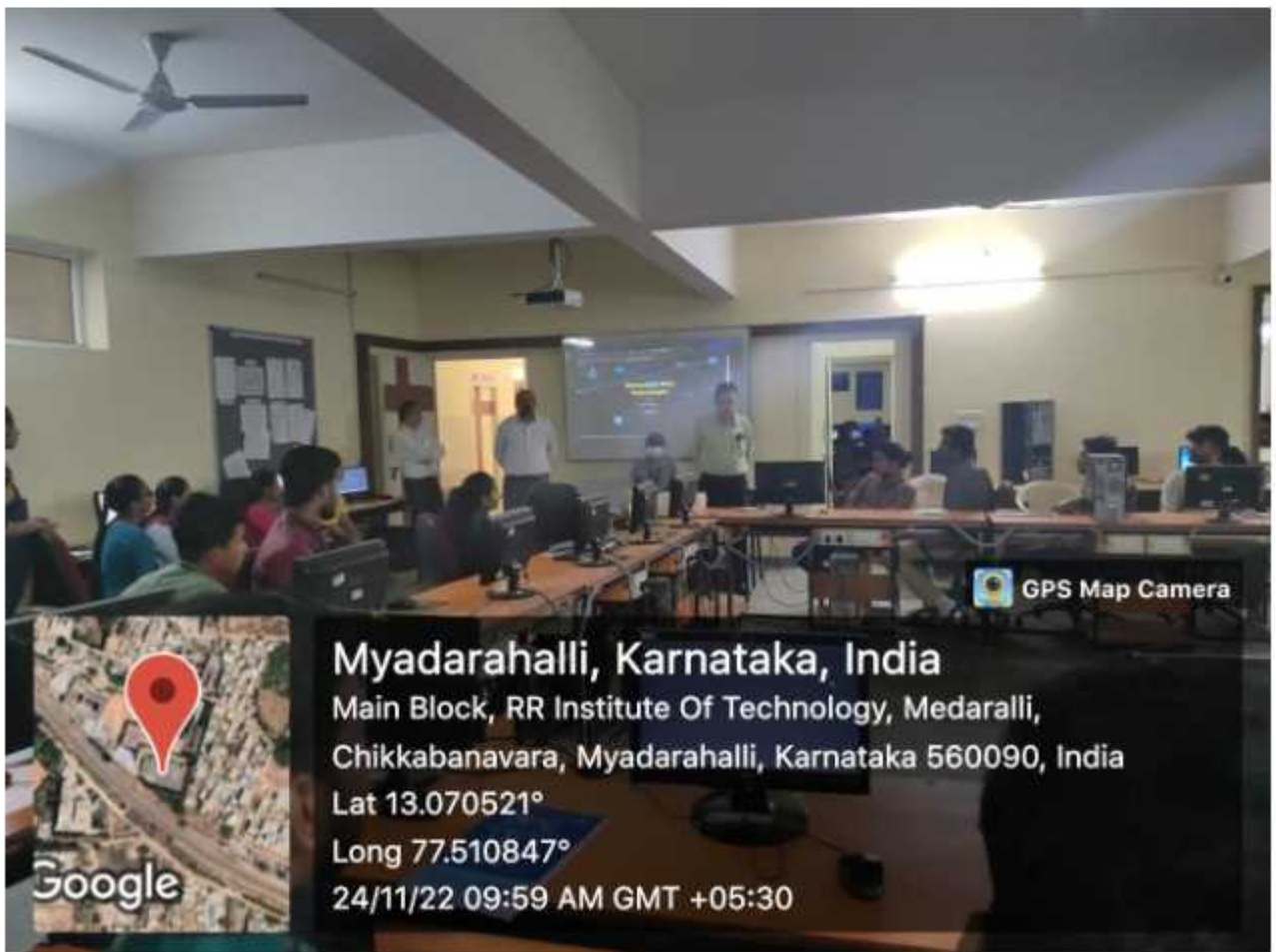
**Myadarahalli, Karnataka, India**

Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Myadarahalli, Karnataka 560090, India

Lat 13.070559°

Long 77.510958°

24/11/22 09:58 AM GMT +05:30



**Myadarahalli, Karnataka, India**

Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Myadarahalli, Karnataka 560090, India

Lat 13.070521°

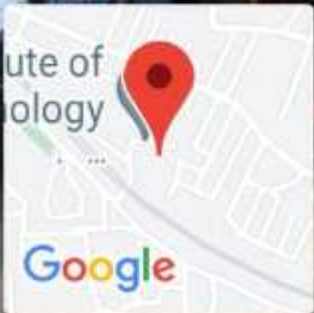
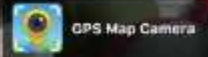
Long 77.510847°

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*Melaha.*  
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**Mydarahalli, Karnataka, India**  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Mydarahalli, Karnataka 560090, India  
Lat 13.070542°  
Long 77.510929°  
25/11/22 09:37 AM



**Mydarahalli, Karnataka, India**  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Mydarahalli, Karnataka 560090, India  
Lat 13.070567°  
Long 77.510924°  
25/11/22 09:38 AM



*M. Lakshmi*  
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Department of Computer Science & Engineering

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Chairman, PKMET, Bengaluru

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Director, PKMET, Bengaluru

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**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

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**Dr. Manjunath R**

Professor & Head  
Department of CSE

### Organising Committee Members

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Assistant Professor, CSE Department

**Prof. Shobha Rani N R**

Asst. Professor, CSE Department

**Prof. Laxmidevi H M**

Asst. Professor, CSE Department

### Student Co-ordinator

Mr. LALLAN SHARMA, 5<sup>th</sup> Semester

Mr. ANAGHA UNNI, 5<sup>th</sup> Semester

Mr. MANJIL D, 5<sup>th</sup> Semester

**Cordially invites all Students & Staff for**

**Three Days Workshop on  
"OOP's With Python"**

**in**

**Association with Mevi Technologies Llp.**

**From**

**24<sup>th</sup> To 26<sup>th</sup> November 2022**



### CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

### GUEST SPEAKER

**Ms. Megha B S**

Developer and Trainer

MeVi Technologies Llp

Tumkuru, Karnataka

### Venue :

Ground Flor Lab

Main Block,

CSE Department, RRIT

*Melaha*

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Chikkabanavara, Bangalore - 560 090.

To be a Premier globally recognized Institute with ensuring academic excellence, Innovation and fostering Research in the field of Engineering



31	HR120C S037	PREMI KUMAR S R	<del>Pran</del>	<del>Pran</del>	<del>Pran</del>
32	HR120C S038	PRIYANSHU PRAKASH	<del>Priyanshu</del>	<del>Priyanshu</del>	<del>Priyanshu</del>
33	HR120C S039	RAVINAY PATEL	<del>Ravinay</del>	<del>Ravinay</del>	<del>Ravinay</del>
34	HR120C S040	RITHIKKI MARCSHELLEY	<del>Rithikki</del>	<del>Rithikki</del>	<del>Rithikki</del>
35	HR120C S041	SALONI KUMARI	<del>Saloni</del>	<del>Saloni</del>	<del>Saloni</del>
36	HR120C S042	SANA AFREEN	<del>Sana</del>	<del>Sana</del>	<del>Sana</del>
37	HR120C S043	SANTANA M DESHAI	<del>Santana</del>	<del>Santana</del>	<del>Santana</del>
38	HR120C S044	SARABJIT SINGH	<del>Sarabjit</del>	<del>Sarabjit</del>	<del>Sarabjit</del>
39	HR120C S045	SHAKHIL VAR	<del>Shakhil</del>	<del>Shakhil</del>	<del>Shakhil</del>
40	HR120C S046	SHRAVANI P	<del>Shravani</del>	<del>Shravani</del>	<del>Shravani</del>
41	HR120C S047	SINCHANA S	<del>Sinchana</del>	<del>Sinchana</del>	<del>Sinchana</del>
42	HR120C S048	SUJESH ROY	<del>Sujesh</del>	<del>Sujesh</del>	<del>Sujesh</del>
43	HR120C S049	SNEHA L	<del>Sneha</del>	<del>Sneha</del>	<del>Sneha</del>
44	HR120C S050	SOU MYADILE P PATIL	<del>Soumya</del>	<del>Soumya</del>	<del>Soumya</del>
45	HR120C S051	SRUSHITH K	<del>Srushith</del>	<del>Srushith</del>	<del>Srushith</del>
46	HR120C S052	SUHAIL N	<del>Suhaail</del>	<del>Suhaail</del>	<del>Suhaail</del>
47	HR120C S053	SUNIL R	<del>Sunil</del>	<del>Sunil</del>	<del>Sunil</del>
48	HR120C S054	SURAJ M	<del>Suraj</del>	<del>Suraj</del>	<del>Suraj</del>
49	HR120C S055	SURJITH	<del>Surjith</del>	<del>Surjith</del>	<del>Surjith</del>
50	HR120C S056	TANMOY CHAKRABORTY	<del>Tanmoy</del>	<del>Tanmoy</del>	<del>Tanmoy</del>
51	HR120C S057	TEJASWINI R C	<del>Tejaswini</del>	<del>Tejaswini</del>	<del>Tejaswini</del>
52	HR120C S058	TEJASWINI S	<del>Tejaswini</del>	<del>Tejaswini</del>	<del>Tejaswini</del>
53	HR120C S059	THARUN K	<del>Tharun</del>	<del>Tharun</del>	<del>Tharun</del>
54	HR120C S060	VENKATESH DEEP GAROJA	<del>Venkatesh</del>	<del>Venkatesh</del>	<del>Venkatesh</del>
55	HR120C S061	YUKTHAM	<del>Yuktham</del>	<del>Yuktham</del>	<del>Yuktham</del>
56	HR120C S062	DIPU KUMAR SAH	<del>Dipu</del>	<del>Dipu</del>	<del>Dipu</del>
57	HR120C S063	SUNIL KUMAR SHAI	<del>Sunil</del>	<del>Sunil</del>	<del>Sunil</del>
58	HR120C S064	MANISH BHUNGAYA	<del>Manish</del>	<del>Manish</del>	<del>Manish</del>
59	HR120C S065	LOMPLAVI DEUSHAH	<del>Lomplavi</del>	<del>Lomplavi</del>	<del>Lomplavi</del>
60	HR120C S066	DIHANNANJAY SAH	<del>Diannanjay</del>	<del>Diannanjay</del>	<del>Diannanjay</del>
61	HR120C S067	KHUSHBU BHANDARI	<del>Khushbu</del>	<del>Khushbu</del>	<del>Khushbu</del>
62	HR120C S068	SANDEEP BHATTARAJ	<del>Sandeep</del>	<del>Sandeep</del>	<del>Sandeep</del>
63	HR120C S069	VANSHI VIKRAM	<del>Vanshi</del>	<del>Vanshi</del>	<del>Vanshi</del>

CO-ORDINATOR

Percent = 51

*[Signature]*

Director of Computer Science and  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabannavara Bangalore

*[Signature]*  
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Department of Computer Science & Engineering

Date: 28/11/2022

## Three Days Workshop On "OOP's with Python" 24<sup>th</sup> – 26<sup>th</sup> November 2022

Department of CSE had conducted a three days' workshop on "OOP's with Python" for 5<sup>th</sup> Semester students of Computer Science on 24<sup>th</sup>, 25<sup>th</sup> and 26<sup>th</sup> November 2022. The Session Started at 9.30am by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT.

The program was conducted at RRIT, Computer Laboratory & 51 students were participated. Ms. Megha B S, Developer & Trainer, from MeVi Technologies Llp, Bengaluru provided extensive programming skills in Python so that students could build a successful career in Python.

The session was organized to give the students' in depth object oriented programming skills, usage of advance modules like OS in programs, CRUD operations and also way to develop database applications in Python. The experts taught Python subject from basics, discussed about the various scopes and uses of Python in current trends. During the closure of the session, students were assigned simple projects like - Creating a billing system for a pizza house, Play rock paper Scissors, Pick random card from a deck of cards, Play hand cricket. These projects were evaluated by the experts.

*M. S. S.*  
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*P. H. B.*

HoD

Head of Department  
Department of Computer Science & Engineering  
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Chikkabanavara, Bangalore



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Department of Computer Science & Engineering

## Gallery of Three days' workshop on "OOP's with Python" 24<sup>th</sup> - 26<sup>th</sup> November 2022







**Mydarahalli, Karnataka, India**

Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Mydarahalli, Karnataka 560090, India  
Lat 13.070483°  
Long 77.511006°  
24/11/22 09:44 AM GMT +05:30

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## Memorandum of Understanding

Between

**R. R. Institute of Technology**

And

**Technofly Solutions**

This Memorandum of Understanding (MoU) is made and entered into on 1st of August 2022 between R. R. Institute of Technology, located at Bangalore and Technofly Solutions located at Bangalore to facilitate internships for students.

Herein after, the institution is referred as First party.

Where as R R Institute of Technology, setup with a mission of imparting education to all sections of society, was established in the year 2008 to render highest standards of academic achievement with moral and social commitments. Converting the idea of providing high quality education combined with excellent infrastructure into a reality in Indian context. R R Institute of Technology have proved the capability of placing students after completing their course in prestigious organization across the country and abroad.

The coveted portals of R.R. I.T have given this great nation, the quality engineers, entrepreneurs, scientists, sports men and Business magnates. The college has been providing unique facilities to enrich the engineering students with entrepreneurship, leadership, technical and management skills, talent and knowledge. Herein after, the institution is referred as First party.

The college offers UG Courses in Civil Engineering, Mechanical Engineering, Electronics and communication Engineering, Computer science Engineering and PG course-MBA.

  
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Chikkabanavara, Bangalore - 560 090.

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LM : Near Vijayanagar TTMC Bus Stop | Ph.: 080-41559666, Mob.: 9663476586, 9741150102 | [www.technofly.in](http://www.technofly.in)



Whereas Technofly Solutions (Innovation and Education Hub, CIN- KR03D0074644 and GST- 29AHZPN4040K1ZM) Herein after referred as Second Party.

The MoU is being signed with Technofly Solutions. As a partner to facilitate internships for students of our Institution which is an AICTE approved academic institution.

Purpose: As both the parties believe that their mutual cooperation and collaboration will help in effective use of each of their resources, provide them with enhanced opportunities and also enhance the employability skills of the students through internships, this MoU has been initiated.

As part of this MoU, both the parties hereto agree to the following respectively:

**A. R .R . Institute of Technology , Bangalore**

1. Will acknowledge Technofly Solutions. As internship partner in all its external communications and publicize the same through proper social media platforms.
2. Will identify one faculty internship coordinator as the contact person who shall ensure that the students:
  - Work on projects as directed by staff of the Technofly Solutions.
  - Report to the internship supervisor as designated by the Technofly Solutions at times as directed by him/her.
  - Follow the administrative policies of the Technofly Solutions. Including confidentiality policies, personnel practices, and business protocols.
  - Abide by the Code of Conduct relating to professional behavior.
3. Will be solely responsible for, and have full discretion, in assessing and grading Student in internship Course.
4. Student is responsible for his/her own personal transportation and living arrangements.

  
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**B. Technofly Solutions.**

1. Will make all the necessary resources (internships, free applications, counselling, and guidance) available to students registered through this partnership.
2. Will host the students and provide a planned, supervised internship program to the assigned students.
3. Will maintain a safe, positive, and respectful learning environment for Student.
4. Will create success stories of the students completing internships successfully. Circulate these stories among other students through offline & online media and appoint successful candidates as internship ambassadors to help & guide their peers.
5. Will allow the internal guide (from RRIT) of the student under internship to visit and assess the student's performance, along with their external supervisor from Technofly Solutions.
6. Agrees to collaborate to develop software/hardware/innovative projects, proposals, papers, patents, copyrights and trademarks, with further mutual discussions and agreement (need basis).

*Mahesh*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenavara, Bangalore - 560 090.

## TechnoFly Solutions

#792/E, 1st Cross, 3rd A Main rd, 2nd Stage, Vijayanagar, Bangalore - 40.  
LM : Near Vijayanagar TTMC Bus Stop | Ph.: 080-41559666, Mob.: 9663476586, 9741150102 | [www.technofly.in](http://www.technofly.in)



**Relationship of the parties:**

1. There are no financial implications involved between RRIT and Technofly Solutions as part of this MoU.
2. Nothing in this MoU shall create an employment relationship, agency relationship, joint venture, partnership agreement between RRIT and Technofly Solutions.
3. RRIT shall not be liable for any cost, loss, damages, liability, or expense, which may arise out of Student's performance of services at Technofly Solutions.
4. This MoU may be terminated by either of the parties by giving a written notice of 30 days.
5. This MoU may not be amended except by a written agreement of the parties.

*Melaha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

## TechnoFly Solutions

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LM : Near Vijayanagar TTMC Bus Stop | Ph.: 080-41559666, Mob.: 9663476586, 9741150102 | [www.technofly.in](http://www.technofly.in)



**Tenure:**

This Memorandum of Understanding is valid for five years, effective from the date that its signing is concluded by representatives of RRIT and Technofly Solutions.

In witness whereof, the parties hereto have caused this Memorandum of Understanding to be executed by their representatives in duplicate, each party retaining one copy thereof respectively

Accepted and Agreed:

For RRIT

By: *Mahendrab*

Name: *DR. MAHENDRA K.V.*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



For Technofly Solutions

By:



Name: Abzal Nawaz

Title: Principal

Title: Director & CEO

Date: 01-08-2022

Date: 01-08-2022

Witness 1:

*Dr. Manjunath R, CSG Department.*

Witness 2:

*Paramodh S*

*Mahendrab*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

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# TechnoFly Solutions



## Internship Certificate

This is to certify that **DARSKITHA . D** a student of **R R**  
**INSTITUTE OF TECHNOLOGY** has completed **1** months/weeks of Internship  
From **29-08-22** To **30-09-22** in **EMBEDDED SYSTEM USING IOT** Domain.

We wish you all the best in your future endeavors.

Date : **30-09-2022**

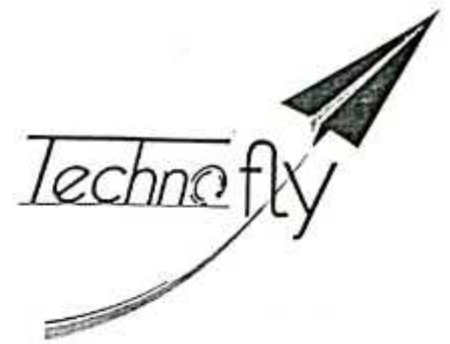
For TechnoFly Solutions

*Mahesh*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



Technofly Solutions, Vijayanagar, Bangalore - 40.  
Mob.: 9663476586, 9741150102 | [www.technofly.in](http://www.technofly.in)

# TechnoFly Solutions



## Internship Certificate

This is to certify that **HELDA VINITHA. P** a student of **RR**  
**INSTITUTE OF TECHNOLOGY** has completed **4** months/weeks of Internship  
From **01/09/2022** To **30/09/2022** in **INTERNET OF THINGS (IOT)** Domain.

We wish you all the best in your future endeavors.

Date : 30/09/2022

*Melank.*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



Technofly Solutions, Vijayanagar, Bangalore - 40.  
Mob.: 9663476586, 9741150102 | www.technofly.in



---

R R Institute of Technology  
Chikkabanavara, Bengaluru

&

**SUPRAJA TECHNOLOGIES**

(A Unit of CHSMRLSS Technologies Pvt. Ltd.)

**MEMORANDUM OF UNDERSTANDING**

on

**TALENT SKILLING**

(WORKSHOPS, SEMINARS, SDP's, HACKATHONS, INTERNSHIPS)

---



*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*Dr. J. Lakshmi*  
11/10/22

*Mahesh* 11/10/22

---

**SUPRAJA TECHNOLOGIES**

(a unit of CHSMRLSS Technologies Private Limited)

An ISO 9001:2015 Certified Company

Regd. & Head Office : Door No. 11-9-18, 1st Floor, Majjivari Street, Kothapeta, Vijayawada - 520001.  
contact@suprajatechnologies.com | www.suprajatechnologies.com | +91 - 9550055338

This Memorandum of Understanding ("MOU") is executed on this day 01-10-2022 between:

R R Institute of Technology, Chikkabanavara,, Bengaluru represented by Dr. Mahendra K V Principal, R R Institute of Technology, Chikkabanavara, Bengaluru, Karnataka-560090 hereafter called Party I.

And

SUPRAJA TECHNOLOGIES (A Unit of CHSMRLSS Technologies Pvt. Ltd.) represented by SANTOSH CHALUVADI (Founder & CEO), having registered office # 11-9-18, First Floor, Majjivari Street, Kothapeta, Vijayawada - 520001, India, hereafter called Party- II.

The parties hereby agree on mutual cooperation for conducting workshops, seminars, student development programs, hackathons and providing internships for the students at R R Institute of Technology, Chikkabanavara, Bengaluru - 560090

**Responsibilities of Party – I:**

1. To provide quality education to the students to produce good knowledgeable Engineers useful to the society.
2. To develop overall skills among the students to meet the industrial needs.
3. To workout financial aspects of program (if any) jointly with Party – II.
4. To assign students, staff and faculty for any of the mutually agreed joint projects.
5. To provide required support, and offer special lectures and training program to the staff and Graduate Engineers of Party – II on mutually agreed terms.
6. To share laboratory, library and other supporting facilities for jointly conducted events by Party – I.



*Ch. S. Lakshmi*



[Page 1 of 2]

*Mahendra K V* 01/10/22

**SUPRAJA TECHNOLOGIES**

(a unit of CHSMRLSS Technologies Private Limited)

An ISO 9001:2015 Certified Company

Regd. & Head Office : Door No. 11-9-18, 1st Floor, Majjivari Street, Kothapeta, Vijayawada - 520001.  
contact@suprajatechnologies.com | www.suprajatechnologies.com | +91 - 9550055338

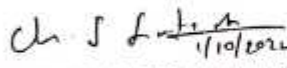
*Mahendra K V*  
PRINCIPAL

### Responsibilities of Party – II:

1. To extend support and cooperation for organizing Workshops, Student Development Programs, Seminars, Bootcamps and Hackathons at R R Institute of Technology, Chikkabanavara, Bengaluru - 560090
2. To provide industrial exposure to the students of engineering (B.Tech) by way of Internships/Project Works / Industrial visits, etc to the extent of feasibility and availability.
3. To provide Industry orientation / practical training to the faculty members with mutual agreement of both the parties.
4. To undertake the identification of development projects, fixation of time frame and allocation of resources including financial to the extent of feasibility.
5. To allow access to the designated staff and students of Party – I to visit the premises of Party – II in connection with industry orientation for the program.

### Joint Responsibilities:

1. Areas of Cooperation / Collaboration will be identified jointly.
2. Both the parties agree to maintain confidentiality of information and the release of any information will be with the mutual agreement of both the parties.
3. Neither party shall have liability except what is exceptionally mentioned here.
4. While undertaking a joint project, the expertise, software, hardware, data, etc present with either party will be made available for completion of the activity being done.
5. This agreement can be terminated with the consent of either party with three months prior notice and written information without any liability on each other.
6. The address for correspondence between two parties will be as under.

  
SANTOSH CHALUVADI  
Supraja Technologies

(A unit of CHSMRLSS Technologies Pvt. Ltd.)  
# 11-9-18, First Floor, Majjivari Street,  
Kothapeta, Vijayawada - 520001



  
DR. MALLIKARJUN V.  
Principal  
RR INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bengaluru - 560 090.  
Karnataka - 560090



[Page 2 of 2]

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contact@suprajatechnologies.com | www.suprajatechnologies.com | +91 - 9550055338



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## R. R. Institute of Technology

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Accredited by NAAC with 'B-'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

### ORGANIZING COMMITTEE

#### Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

#### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

#### Administrators

**Prof. Maya Salimath G**

Director QAC -R. R. Institutions

#### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

#### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head  
Department of CSE

#### Organising Committee Members

**Prof. Revathi B**

Assistant Professor, CSE Department

**Prof. Sowmya N**

Assistant Professor, CSE Department

**Prof. Shobha Rani N R**

Assistant Professor, CSE Department

#### Student Co-ordinator

Mr. Sithesh Roy, 5<sup>th</sup> Semester

Mrs. Bhagya Rekha, 5<sup>th</sup> Semester

**Cordially invites all Students of 5<sup>th</sup> Semester for**

**Student Development Program**

**"Student Development Program on "Ethical Hacking in Cyber Security"  
In Association with SUPRAJA Technologies**

on

16<sup>th</sup> November 2022



#### CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

#### GUEST SPEAKER

**Santosh Chaluvadi**

Founder & CEO

SUPRAJA Technologies, Vijayawada

Venue  
Seminar Hall  
Main Block, RRIT

*Mahendra K V*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

To be a Premier globally recognized Institute with ensuring academic excellence, Innovation and fostering Research in the field of Engineering



Since 1983

ISO 9001:2015 Certified

# R. R. Institute of Technology

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Accredited by NAAC with 'B+'

Pata Road, Layout Chikkabannara, Bangalore - 560 090

Department of Computer Science & Engineering

## Attendance Sheet

Student Development Program on "Ethical Hacking on Cyber Security"

On

16<sup>th</sup> November 2022.

Sl. No.	USN	Name	Signature	Remarks
1	IRI20CS006	Anagha Unni		
2	IRI20CS035	P. Sirisha. S		
3	IRI20CS042	Sana Afeen		
4	IRI20CS045	Sharmilaa. R		
5	IRI20CS041	Saloni K.		
6.	IRI20CS019	Hethish B. J		
7.	IRI20CS008	Ananya. E		
8.	IRI21CS400	Krushbu. B		
9.	IRI20CS061	Yuktha. M		
10.	IRI20CS055	Surbhi		
11.	IRI20CS013	Bhagyarekha. S		
12.	IRI20CS024	haxmi		
13.	IRI20CS017	Harshitha. M		
14.	IRI20CS051	Srushti. H. K		
15.	IRI20CS057	Tejaswini. R. C		
16.	IRI20CS046	Shravani. P		
17.	IRI20CS049	Sneha. L		
18.	IRI20CS058	Tejaswini. S		
19.	IRI20CS043	Sanjana. M		
20	IRI20CS022	Kishan G		
21	IRI20CS025	Hanjannaiah naik. L		

Melank.  
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Chikkabannara, Bangalore - 560 090.

22)	IRI20CS026	M. Uthappa L. J	
23)	IRI20CS059	Tharun. K	
24)	IRI20CS054	Sudha. M	
25)	IRI20CS056	Tommoy Chakraborty	
26)	IRI20CS044	Saurabh Jee	
27)	IRI20CS040	Ritik Kumar Shetty	
28)	IRI20CS053	Sunil - R	
29)	IRI20CS042	Xashas N Kumar	
30)	IRI20CS052	Suhail. N	
31)	IRI20CS015	Deepak R	
32)	IRI20CS010	Ashwath Reddy. S	
33)	IRI20CS060	Venkatesh Dilip Gardole	
32)	IRI20CS030	MUSTHAFA	
33	IRI20CS032	Naveen P. L	
34)	IRI20CS024	M. Umar Farook	
35)	IRI20CS037	Prem Kumar. S. R.	
36)	IRI20CS001	ABHIRAM MURALI	
37)	IRI20CS034	LINAY. P. T. I. L	
38)	IRI20CS028	Mohith. G. Kalyan	
39)	IRI20CS036	Praveen Kumar. O	
40)	IRI20CS009	Ankit Chhala Samanta	
41)	IRI20CS065	Bip Kumar Shah	
42)	IRI20CS064	Manjil Dhungana	
43)	IRI20CS014	Birbal	
44)	IRI20CS066	Dhananday Sah	
45)	IRI20CS062	Dipu Kumar Saha	
46)	IRI20CS011	Ayan. Kumar. Jana	
47)	IRI20CS033	Nisanta Nath	
48)	IRI20CS012	Rabanta Pal	
49)	IRI20CS048	Sitesh Roy	
50)	IRI20CS023	Lallan Sharma	

M. Uthappa  
PRINCIPAL

51)	IRI20EC008	Niketan .H	
52)	IRI20EC009	Abhishek .M	
53	IRI20E012	Sahana .S	
54	IRI20E1013	Naveena	
55	IRI20E1019	Sinchan .K	
56	IRI20E0011	Anjali .P	
57	IRI21E164	k. Haripriya	
58	IRI20EC010	Naveen kumar .P	
59	IRI20E0007	monohar joshi, Nandibevor	
60	IRI21E1400	Anisa Zahoor	
61	IRI20EC005	Chithra A.M	
62	IRI20IS042	Sushmitha .U	
63	IRI20IS038	Sonia William	
64	IRI20IS046	V. Padma .U	
65	IRI20IS020	Prathishtha .R	
66	IRI20IS023	Hameerani .K.B	
67	IRI20IS048	Narsha .S	
68.	IRI20IS034	Shrawanashree .K.N.	
69.	IRI20IS014	Bindushree .M.N.	
70	IRI20IS019	Vasanthi .G.R	
71	IRI20IS043	Sudha .A. Padikar	
72	IRI20IS013	Bhargavi .N	
73	IRI20IS026	Kaithika A Hegde	
74	IRI20IS017	Damini .R.S	
75	IRI20IS033	Ranjith .V	
76.	IRI20IS036	Shamant .N	
77	IRI20IS012	Bathala Kompi	
78	IRI20IS001	Adithyank .H.N.	
79	IRI20IS044	TARUN .C.A	
80	IRI21IS401	Pawan Kumar .B	
81	IRI20IS045	Tesha .D.P.	

82	IRI20IS040	Suddeep .S	
83	IRI20IS025	Preetham K.	
84	IRI20IS032	Pratik Raj .M	
85	IRI20IS035	Subire Ghosh	
86	IRI20IS009	Ahsif Mohammed	
87	IRI20IS030	MPH N poiyadashit	
88	IRI20IS002	Abdelhakim	
89	IRI20IS010	Azibaz .N.R	
90	IRI20IS003	Abhishek kr. Shah	
91	IRI20IS058	Med. Shoaib Akhtar	
92	IRI20IS006	Akash Halder	
93	IRI20IS008	Amit Kumar Sah	
94	IRI20IS011	Basant Kumar sah.	
95	IRI20IS015	Chandradeep Gupta	
96	IRI20EE009	P. Hemantk. Peddy	
97	IRI20EE002	Rahul .PH	
98	IRI20ME01	Nabesh Kr. Mahato	
99	IRI20ME010	tanit Ansan	
100	IRI20ME001	ROHAN .L.G.	
101	IRI20ME002	Ashraf Debbasma	
102	IRI21ME404	Sukanto Biswas	
103	IRI21ME403	SHREYANKU.PATEL	
104	IRI20ME01	Vaishith .M	
105	IRI21ME401	RAKESH .M	
106	IRI21ME402	Sanjay .D	
107	IRI20ME009	Rudra Patel	
108	IRI21EE400	Gagana .S	
109	IRI20EE004	Vidya : S	
<del>110</del> 110	IRI20EE001	Divya . S	
<del>111</del> 111	IRI21EE401	Nandini .T .S	
<del>112</del> 112	IRI20EE006	Deepakar Chaudhary	







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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bangalore - 560 090

Department of Computer Science & Engineering

Date: 16/11/2022

## Report on SDP on “Ethical Hacking in Cyber Security”

On

16<sup>th</sup> November 2022

Department of CSE had conducted a Student Development Program on “Ethical Hacking in Cyber Security” for 5<sup>th</sup> Sem CSE students on 16<sup>th</sup> November 2022. The session started at 10:30 am by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT. The program was conducted at Seminar Hall Main Block, RRIT and 118 students were participated. Mr. Santosh Chaluvadi, Founder & CEO SUPRAJA Technologies, Vijayawada provided information regarding Ethical Hacking Terminologies in Cyber security.

After the inauguration, the content flow, objectives and outcomes of the SDP were discussed. In the session of day he discussed about what ethical hacking is from scratch. Ethical hacking is an authorized practice of detecting vulnerabilities in an application, system or organization's infrastructure and by passing system security to identify potential data breaches and threats in a network. Ethical hackers aim to investigate the system or network for weak points that malicious hackers can exploit or destroy. They can improve the security footprint to withstand attacks better or divert them. The objective behind the introduction of Basics of Ethical Hacking Terminologies in Cyber Security and Set Up Virtual Environment for Ethical Hacking. Learn what Ethical Hacking is from Scratch & all 5 phases of a penetration testing. Use advance scanning to map the ethical network.

Ethical hacking involves a hacker agreeing with an organization or individual who authorizes the hacker to levy cyber attacking on a system or network to expose potential vulnerabilities. An ethical hacker is also sometimes referred to as a white hat hacker. Many depend on ethical hackers to identify weaknesses in their networks, endpoints, devices, or applications. The hacker informs their client as to when they will be attacking the system, as well as the scope of the attack. An ethical hacker operates within the confines of their agreement with their client.

*Melash*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*Santosh*

Department of Computer Science & Engineering  
R. R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore

Advantages are it is used to test how good security is on your network. It is used to recover the lost of information, especially when we lost our password. It is used to perform penetration testing to increase the security of the computer and network. It offers security to banking and financial establishments. It helps to identify and close the open holes in a computer system or network. It helps to fight against cyber terrorism and to fight against national security breaches. It helps to take preventive action against hackers.

Data theft is the end goal for numerous attacks, with hackers seeking predominantly personal data, credentials, and credit card information. In order to steal this data, hackers compromise online platforms such as bookings sites, social media sites and e-commerce websites. The demand for ethical hacking courses is growing by the day due to the surge in online activities across the globe. It is estimated that as many as 1 billion cyber security professionals are expected to be in demand in the coming two years.

Ethical hacking is a good career because it is one of the best ways to test a network. An ethical hacker tries to locate vulnerabilities in the network by testing different hacking techniques on them. In many situations, a network seems impenetrable only because it hasn't succumbed to an attack in years. The Student Development program on "Ethical Hacking in Cyber Security" Program ended on successful note, along with an encouraging feedback from the students.



**HoD**

Head of Department  
Department of Computer Science & IT  
R.R. Institute of Technology  
Hosuraghatta Main Road  
Chikkabanavara, Bangalore



**PRINCIPAL**

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



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Raja Reddy Layout, Chikkabanavara, Bengaluru -560 090

Department of Computer Science & Engineering

## Gallery







*Melaha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



MEMORANDUM OF UNDERSTANDING  
BETWEEN  
R R INSTITUTIONS  
AND  
SKILLDZIRE TECHNOLOGIES PRIVATE LIMITED



This Memorandum of Understanding (MOU) establishes a type of partnership between **SKILLDZIRE** and **R R INSTITUTIONS**.

**MISSION:**

**SKILLDZIRE TECHNOLOGIES PRIVATE LIMITED** is India's largest Real time learning platform where students get trained by industry experts along with certifications in domain of Computer science Engineering.

**R R INSTITUTIONS** ensures high standards to educate, enrich and excel the professional Programs, by eminent faculty who endeavors to mold the students into socially responsible professionals through creative team work, innovation and research.

Together, we enter into this Memorandum of Understanding to promote PLACEMENTS, INTERNSHIPS, WORKSHOP'S AND PROJECTS. Accordingly, **SKILLDZIRE** and **R R INSTITUTIONS** operating under this MOU agree as follows:

**PURPOSE AND SCOPE:**

**SKILLDZIRE TECHNOLOGIES PRIVATE LIMITED** and **R R INSTITUTIONS** describe the intended results or effects that the organizations hope to achieve, and the area(s) that the specific activities will cover.

**Benefits to R R INSTITUTIONS:**

- o Workshops FDP's
- o Internships
- o Real time projects Industry visits
- o Core job-oriented training
- o Certifications
- o Placements

*Malahar*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

SKILLDZIRE TECHNOLOGIES PRIVATE LIMITED

Business Square 16, HITEC City, Hyderabad, Telangana | 500081

☎ 8019692530

✉ info@skilldzire.com

🌐 www.skilldzire.com

Who is the target?

Students of

- o 2<sup>nd</sup> year III Semester for workshops.
- o 2<sup>nd</sup> year IV Semester for Industry visits
- o 3<sup>rd</sup> year V Semester for Mini Projects.
- o 3<sup>rd</sup> year VI Semester and Summer for Job Oriented training.
- o 4<sup>th</sup> year for Placements and Real time projects.

#### TERMS OF UNDERSTANDING:

The term of this MOU is for a period of 3 years with effect from 30/12/2021. This MOU can be extended upon written mutual agreement. It shall be reviewed annually to ensure that it is fulfilling its purpose and to make any necessary revisions.

Either organization may terminate this MOU upon thirty (30) days written notice without penalties or liabilities.

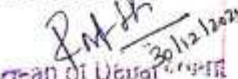
#### AUTHORIZATION:

The signing of this MOU is not a formal undertaking. It implies that the signatories will strive to reach, to the best of their ability, the objectives stated in the MOU.

On behalf of the organization I represent, I wish to sign this MOU and contribute to its further development.

Your organization:


**R R INSTITUTIONS**

  
Head of Department  
Department of Computer Science  
R.R. Institute of Technology  
Dr. Manjunath R  
Professor & Head CSE Department  
**R R INSTITUTIONS**

Partnering organization:

**SKILLDZIRE TECHNOLOGIES PRIVATE LIMITED**

  
Name: **Srikanth Muppalla**  
Director  
**SKILLDZIRE TECHNOLOGIES PRIVATE LIMITED**

  
PRINCIPAL  
**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**SKILLDZIRE TECHNOLOGIES PRIVATE LIMITED**

Bizness Square 16, HITEC City, Hyderabad, Telangana | 500081

☎ 8019692530

✉ info@skilldzire.com

🌐 www.skilldzire.com





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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Department of Computer Science & Engineering**

## ORGANIZING COMMITTEE

### Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salmath G**

Director QAC -R. R. Institutions

### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head  
Department of CSE

### Organising Committee Members

**Dr Niranjan C**

Professor, CSE Department

**Dr. Shivakuar Swamy N**

Professor, CSE Department

**Prof. Shruthi S**

Assistant Professor, CSE Department

### Student Co-ordinator

Ms. Srilakshmi, 3<sup>rd</sup> Semester

Ms. Sharmila R, 5<sup>th</sup> Semester

Ms. Harshitha M R, 7<sup>th</sup> Semester

**Cordially invites all Students for**

Online Awareness Program

**"Current Trends & Opportunities in IT Industry"**

**In Association with ISTE Student Chapter**

**Bengaluru and SkillDzire**

on

**14<sup>th</sup> October 2022**



### CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

### GUEST SPEAKER

**Mrs. Saranya Tumma**

Project Manager

SkillDzire

Bangalore

*Mahendra K V*

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Chikkabanavara, Bangalore - 560 090.

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**Attendance for Awareness Program Feedback on "Current Trends & Opportunities in IT Industry" for CSE students in Association with SkillDzire, Bengaluru on 14th October 2022.**

Sl.no	Timestamp	Email Address	Name	Mobile Number
1	10-18-2022 12:25:03	aditya2002mar04@gmail.com	Adithya E	8217633642
2	10-18-2022 12:25:13	dguru6117@gmail.com	Gurudarshan R	+919590222378
3	10-18-2022 12:25:28	sahanag674@gmail.com	Sahana R	78925 28717
4	10-18-2022 12:25:29	darshithagowda0225@gmail.co	Darshitha D	9902244473
5	10-18-2022 12:25:34	likhith.rayapur@gmail.com	L.IKHITH GOWDA K	9606849258
6	10-18-2022 12:25:37	tanimon2381@gmail.com	Tanima Mondal	9632428863
7	10-18-2022 12:25:39	karan.14ary@gmail.com	Karan Ray Tharu	8431727268
8	10-18-2022 12:25:40	shalutiwary0088@gmail.com	shalu kumari	07766970417
9	10-18-2022 12:25:42	kaushalcoool50@gmail.com	Kaushal Singh Kunwar	7050119844
10	10-18-2022 12:25:42	anupama3072001@gmail.com	Anupama R Pillai	7025031929
11	10-18-2022 12:25:43	pavankumarb580@gmail.com	Pavan Kumar B	07090052770
12	10-18-2022 12:25:44	sharath.zorak@gmail.com	Sharath R	9738244244
13	10-18-2022 12:25:45	royv2514@gmail.com	Barun Roy	7980052659
14	10-18-2022 12:25:53	meghanaraj2408@gmail.com	Meghana R	6364741085
15	10-18-2022 12:25:56	ranaakshay66607@gmail.com	Akshay Kumar Rana	7002779687
16	10-18-2022 12:25:59	shilpabanerjee50@gmail.com	Shraboni Banerjee	08918580019
17	10-18-2022 12:26:02	barshagoswami321@gmail.com	Barsha Goswami	8095104413
18	10-18-2022 12:26:05	vismayavinod1999@gmail.com	Vismaya v.k	9741331167
19	10-18-2022 12:26:09	mummadijhnavikiran@gmail.c	Jahnavi Kiran	9949979994
20	10-18-2022 12:26:11	bhagyashribhagyashri31@gmai	Bhagyashri gyanagoudra	888250724
21	10-18-2022 12:26:12	venkappu7643@gmail.com	Venkatesh S	9945768878
22	10-18-2022 12:26:17	dante.neo.486@gmail.com	Aniket Parihar	9206358687
23	10-18-2022 12:26:19	rintuahmed574@gmail.com	Nazrul Hussain	7002826722
24	10-18-2022 12:26:24	meghgowda15@gmail.com	Meghashree M S	9108801764
25	10-18-2022 12:26:25	tusharpari2002@gmail.com	Tushar Pari	9749905067
26	10-18-2022 12:26:26	anushasuneel3079@gmail.com	ANUSHA S	8310942748
27	10-18-2022 12:26:27	jeevansutar1233@gmail.com	Jeevan sutar	7086807531
28	10-18-2022 12:26:29	vinithahelda23@gmail.com	Helda Vinitha P	8660839011
29	10-18-2022 12:26:31	harshitharamesh2001@gmail.co	Harshitha MR	+917259962475
30	10-18-2022 12:26:33	aman.joshi530@gmail.com	Aman Lall Joshi	8867559924
31	10-18-2022 12:26:35	biltuforaipmt@gmail.com	Biltu mondal	8348881592
32	10-18-2022 12:26:39	deepmandal63@gmail.com	DEEP MANDAL	9002806477
33	10-18-2022 12:26:56	nanditabanik1999@gmail.com	Nandita Banik	9366922887
34	10-18-2022 12:27:11	yadavsantos969@gmail.com	Santosh kumar yadav	8651862815
35	10-18-2022 12:27:44	rajatul101@gmail.com	Atul Raj	7992348699
36	10-18-2022 12:27:45	amusha1870@gmail.com	Anusha S	7406641144
37	10-18-2022 12:28:07	bikashghll@gmail.com	Bikash Prasad Dushad	8303266225
38	10-19-2022 16:00:32	eliasali086@gmail.com	Elias Ali	6002082526
39	10-20-2022 6:46:09	pramodhraj3105@gmail.com	Pramodh S	7483102223
40	10-21-2022 11:58:17	shruthisrinivas.1618@gmail.co	Shruthi S	9731553398
41	10-21-2022 11:58:42	laxmi.hm@gmail.com	Lakshmidevi H M	+917829904287
42	10-21-2022 12:04:25	satyajitpaul@gmail.com	Satyajit paul	8123456778
43	10-22-2022 16:03:21	abl2@gmail.com	Bhushan	8543215678
44	10-22-2022 16:03:29	shobharani1420@gmail.com	Shobha	7337670569

*R.M.H.*

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*Melach*  
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Department of Computer Science & Engineering

Date: 15/10/2022

## Report for Online Awareness Program on "Current Trends & Opportunities in IT Industry" for CSE students in Association with SkillDzire, Bengaluru

on

14th October 2022

Department of CSE had conducted a Online Awareness Program on "Current Trends & Opportunities in IT Industry" for CSE students in Association with SkillDzire, Bengaluru on 14<sup>th</sup> October 2022. The session Started at 3.00pm by welcoming the Management, Qac. Iqac. Principal, HOD, Students and Staff of RRIT.

The program was conducted in RRIT, Campus with total number of 44 student participants and 6 faculty members. Mr. Saranya Tumma, Project Manager, SkillDzire, Bangalore, discussed and gave insight on IT industry requirement for next one decade. The session was organized to give the vision to the students about career exploration and how to equip themselves to the industry needs in the field of Artificial Intelligence, Machine Learning and Data science domain. During the session, students discussed their innovative project ideas and their validation which will help them to identify that their vision will succeed in the real world. The expert also highlighted the importance of communication and technical skill, and provided the tips to ensure while taking decision in career path. At the end of the session students felt much benefitted and were enthusiastic in career perspective.

*M. Lakshmi*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

*P. M. H.*

HOD

Head of Department  
Department of Computer Science & Engineering  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore



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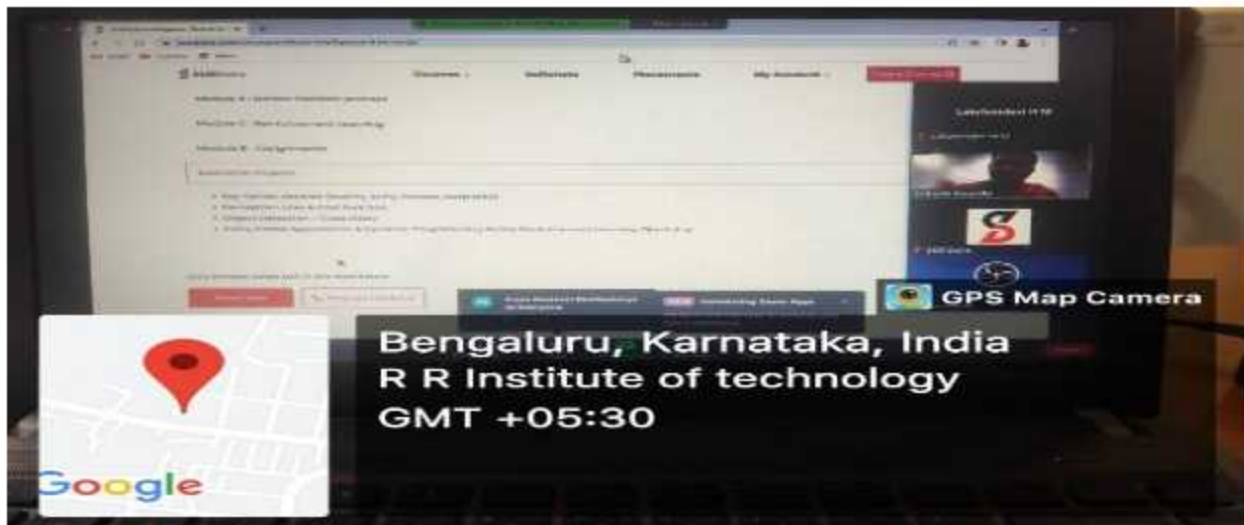
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Department of Computer Science & Engineering

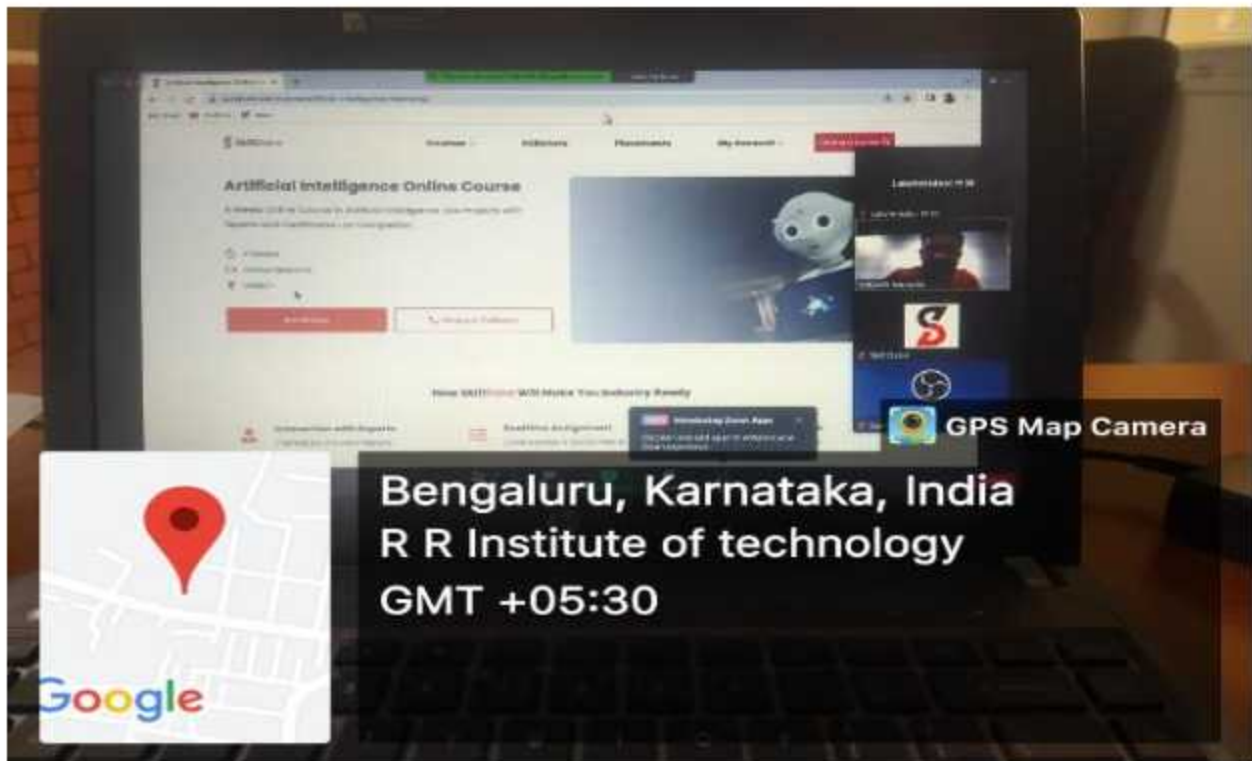
Date: 15/10/2022

## Photo Gallery for Online Awareness Program on "Current Trends & Opportunities in IT Industry" for CSE students in Association with SkillDzire, Bengaluru on 14th October 2022



*Mahesh*  
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*Mahesh*  
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*Melank.*  
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Department of Computer Science & Engineering

## ORGANIZING COMMITTEE

### Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr. Mahendra K V,**

Principal, RRIT, Bengaluru

### Conveners / Organising Secretaries

**Dr. Manjunath R**

Professor & Head  
Department of CSE

### Organising Committee Members

### Organizing Committee:

**Dr. Shivakumar Swamy N**  
Professor, CSE Department

**Prof. Veena M S**

Assistant Professor, CSE Department

**Prof. Sowmya N**

### Student Co-ordinator

Mr. Manjil Divungana, 5<sup>th</sup> Semester

Mrs. Ananya E, 5<sup>th</sup> Semester

Mrs. Harishtha M L, 7<sup>th</sup> Semester

**Cordially invites all Students of 5<sup>th</sup> & 7<sup>th</sup>  
Semester for**

**Career Awareness Program on**

**"FULL STACK DEVELOPMENT"**

on

**22<sup>nd</sup> December 2022.**

in

**Association with CSI**



## CHIEF GUEST

**Sri. Y. Raja Reddy**

Chairman,

RRIT, Bangalore

## RESOURCE PERSON

**Mr. Srikanth Muppalla**

Co-Founder & Director

SkillDzire, Hyderabad, Telangana

Venue

Seminar Hall @ 10:00 AM

Main Block, RRIT

*Mahesh*

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Department of Computer Science & Engineering

## Attendance Sheet (5<sup>th</sup> sem)

### Career Awareness Program on "Full stack Development"

On

22<sup>nd</sup> December 2022

Sl. No.	USN No	Name	Signature
1.	1RI20CS001	ABHIRAM MURALI	<i>Abhiram</i>
2.	1RI20CS002	ABHISHEK KUMAR	<i>(Ab)</i>
3.	1RI20CS003	AKSHAY KUMAR	<i>Akshay Kumar</i>
4.	1RI20CS006	ANAGHA UNNI	<i>Anagha</i>
5.	1RI20CS008	ANANYA E	<i>Ananya.E</i>
6.	1RI20CS009	ANKIT DHALA SAMANTA	<i>Ankit</i>
7.	1RI20CS010	ASHWATH REDDY S	<i>S. Ashwath</i>
8.	1RI20CS011	AYAN KUMAR JANA	<i>Ayan Jana</i>
9.	1RI20CS012	BASANTA PAL	<i>Basanta Pal</i>
10.	1RI20CS013	BHAGYARUKHA S	<i>Bhagya</i>
11.	1RI20CS014	BIRBAL	<i>Birbal</i>
12.	1RI20CS015	DEEPAK R	<i>Deepak</i>
13.	1RI20CS016	HARSHITHA K	<i>Harshitha.K</i>
14.	1RI20CS017	HARSHITHA M	<i>Harshitha</i>
15.	1RI20CS018	HEMA G	<i>Hema.G</i>
16.	1RI20CS019	HETHISHE B J	<i>Hethishe</i>
17.	1RI20CS022	KISHAN C L	<i>Kishan</i>
18.	1RI20CS023	LALLAN SHARMA	<i>Lallan</i>
19.	1RI20CS024	LAXMI	<i>Laxmi</i>
20.	1RI20CS025	MANJUNATH NAIK L.	<i>Manjunath</i>
21.	1RI20CS026	MOHAMMED GHOUSE J	<i>Mohammed</i>
22.	1RI20CS027	MOHAMMED UMAR FAROOK	<i>Farooq</i>
23.	1RI20CS028	MOHITH G KALYAN	<i>Mohith</i>

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24.	IRI20CS029	M S SWAROOP	<i>Swaroop</i>
25.	IRI20CS030	MUSTHAFA	<i>Mustafa</i>
26.	IRI20CS032	NAVEEN P L	<i>Naveen</i>
27.	IRI20CS033	NISANTA NATH	<i>Nisanta</i>
28.	IRI20CS034	NIYATHI A REDDY	<i>Niyathi</i>
29.	IRI20CS035	PRAJAPATHI SIRISHA SHANKAR	<i>P. Sirisha</i>
30.	IRI20CS036	PRAVEEN KUMAR O	<i>Praveen</i>
31.	IRI20CS037	PREM KUMAR S R	<i>Prem</i>
32.	IRI20CS038	PRIYANSHU PRAKHAR	<i>Priyanshu</i>
33.	IRI20CS039	R VINAY PATIL	<i>(AB)</i>
34.	IRI20CS040	RITIKKUMAR C SHETTY	<i>Ritik</i>
35.	IRI20CS041	SALONI KUMARI	<i>Saloni</i>
36.	IRI20CS042	SANA AFREEN	<i>Sana</i>
37.	IRI20CS043	SANJANA M DESOOR	<i>Sanjana</i>
38.	IRI20CS044	SAURABH JEE	<i>Saurabh</i>
39.	IRI20CS045	SHARMILAA R	<i>(AB)</i>
40.	IRI20CS046	SHRAVANI P	<i>Shravani</i>
41.	IRI20CS047	SINCHANA S	<i>Sinchana</i>
42.	IRI20CS048	SITESH ROY	<i>Sitesh</i>
43.	IRI20CS049	SNEHA L	<i>Sneha</i>
44.	IRI20CS050	SOUMYADEEP PATRA	<i>Soumyadeep</i>
45.	IRI20CS051	SRUSHTI H K	<i>Srushti</i>
46.	IRI20CS052	SUHAIL N	<i>(AB)</i>
47.	IRI20CS053	SUNIL R	<i>Sunil</i>
48.	IRI20CS054	SURAJ M	<i>Suraj</i>
49.	IRI20CS055	SURBHI	<i>Surbhi</i>
50.	IRI20CS056	TANMOY CHAKRABORTY	<i>Tanmoy</i>
51.	IRI20CS057	TEJASWINI R C	<i>Tejaswini</i>
52.	IRI20CS058	TEJASWINI S	<i>(AB)</i>
53.	IRI20CS059	THARUN K	<i>Tharun</i>
54.	IRI20CS060	VENKATESH DILIP GAROLE	<i>Venkatesh</i>
55.	IRI20CS061	YUKTHA M	<i>(AB)</i>
56.	IRI20CS062	DIPU KUMAR SAH	<i>(AB)</i>
57.	IRI20CS063	SUNIL KUMAR SHAH	<i>Sunil</i>

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58.	IRI20CS064	MANJIL DHUNGANA	Manjil
59.	IRI20CS065	DIP KUMAR SHAH	Dip
60.	IRI20CS066	DHANANJAY SAH	Dhananjay
61.	IRI21CS400	KHUSHIBU BHANDARI	Khushibu
62.	IRI21CS401	SANDEEP BHATTARIA	Sandeep
63.	IRI21CS402	YASHAS N KUMAR	(Yashas)

Total Attended: 55

Coordinators



HOD

Head of Department  
 Department of Computer Science  
 R.R. Institute of Technology  
 Resaraighat Main Road  
 Chikkabannara, Bangalore



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Department of Computer Science & Engineering

Attendance Sheet (7<sup>th</sup> sem)

Career Awareness Program on "Full stack Development"

On  
22<sup>nd</sup> December 2022

Sl. No.	USN	Name	Signature	Remarks
1	IRI18CS006	AKASH PATIL		
2	IRI18CS018	BILTU MONDAL		
3	IRI18CS012	ANUSHA S		
4	IRI18CS025	JEEVAN SUTAR		
5	IRI18CS035	NAZRUL HUSSAIN		
6	IRI18CS039	PAVAN KUMAR B		
7	IRI18CS047	RITWIK KUNDU		
8	IRI18CS060	VISMAYA V K		
9	IRI19CS001	ADITHYA E		
10	IRI19CS002	AKSHAY KUMAR RANA		
11	IRI19CS003	AMAN LALL JOSHI		
12	IRI19CS004	ANEESH K VANTAKAR		
13	IRI19CS005	ANIKET PARIHAR		
14	IRI19CS006	ANUPAMA R PILLAI		
15	IRI19CS007	ANUSHA S		
16	IRI19CS008	ATUL RAJ		
17	IRI19CS009	BARUN ROY		
18	IRI19CS010	BHAGYASHRI GYANAGOUDRA		
19	IRI19CS011	BIKASH PRASAD DUSHAD		
20	IRI19CS012	CHANDAN K KORTEKAR		
21	IRI19CS013	DARSHITHA D		
22	IRI19CS014	DEEP MANDAL		
23	IRI19CS015	DIVYANSHU KUMAR		
24	IRI19CS016	ELIAS ALI		
25	IRI19CS017	GURUDARSHAN R		

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26	IRI19CS018	HARSHITHA M R	Harshitha
27	IRI19CS019	HELDA VINITHA P	Helda
28	IRI19CS020	HEMANTH S	Hemant
29	IRI19CS021	INZAMAM ALI KHAN	Inzam Khan
30	IRI19CS022	JAYA ROY RINTY	Jaya
31	IRI19CS024	KARAN RAY THARU	Karan
32	IRI19CS025	KAUSHAL SINGH KUNWAR	Kaushal
33	IRI19CS026	LIKHITH GOWDA K	Likith
34	IRI19CS027	LOCHAN K B	Lochan KB
35	IRI19CS028	MEGHASHREE M S	Meghashree MS
36	IRI19CS029	MEGHANA R	Megha
37	IRI19CS031	MUMMADI JAHNAVI KIRAN	Mumma
38	IRI19CS032	NAWAZ SHARIEF	Nawaz
39	IRI19CS034	PRAMODH S	Pramodh
40	IRI19CS035	PRIYA C Y	Priya CY
41	IRI19CS037	RISHAV KUMAR	Rishav K
42	IRI19CS038	SAHANA R	Sahana R
43	IRI19CS040	SANTOSH KUMAR YADAV	Santosh
44	IRI19CS041	SATIYAJI PAUL	Satyaji Paul
45	IRI19CS042	SHAIK ROSHINI	Shaik Roshini
46	IRI19CS043	SHALU KUMARI	Shalu Kumari
47	IRI19CS044	SHARATH R	Sharath R
48	IRI19CS045	SHASHANK S	Shashank S
49	IRI19CS048	TANIMA MONDAL	Tanima Mondal
50	IRI19CS049	TUSHAR PARI	Tushar Pari
51	IRI19CS050	UMASANKAR R	Umasankar R
52	IRI19CS051	VENKATESH S	Venkatesh S
53	IRI20CS400	BARSHA GOSWAMI	Barsha
54	IRI20CS401	SHRABONI BANEERJI	(AB)
55	IRI20CS402	GOUTHAM K M	Goutham
56	IRI20CS600	NANDITHA	Nanditha

Total: 53

Coordinators

  
HOD

  
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R.R. INSTITUTE OF TECHNOLOGY  
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Head of Department  
Department of Computer Science  
R.R. Institute of Technology  
Chikkabanavara, Bangalore - 560 090



Date: 23/12/2022

## Report on Career Awareness Program on “Full Stack Development”

On

22<sup>nd</sup> December 2022

Department of CSE had conducted a Career Awareness Program on “Full Stack Development” in Association with Computer Society of India (CSI) for 5<sup>th</sup> Semester and 7<sup>th</sup> Semester CSE students on 22<sup>nd</sup> December 2022. The session started at 10:30 am by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT. The program was conducted at Seminar Hall Main Block, RRIT and 108 students were participated. Mr. Srikanth Muppalla Co-Founder and Director SkillDzire, Hyderabad, Telangana provide information regarding Full Stack Development.

After the inauguration, the content flow, objectives and outcomes of the CAP were discussed. In the session of day he discussed about what is Full Stack Development from scratch. Full stack development refers to the end-to-end application software development, including the front end and back end. The front end consists of the user interface, and the back end takes care of the business logic and application workflows. The main duties and responsibilities of a Java full-stack developer are to: design back-end architecture using multiple technologies, build front-end technologies to create user interfaces, build flexible applications and websites as per client and end-user preferences. The objective behind the introduction of full stack development of both front end and back portions of web application and it helps to develop a fully functioning website and deploy on web server.

The website UI can be built using various, front-end technologies like HTML, CSS, Java script. The back end is written in programming languages like Java or Python. Further, a good web application would need scalability, event handling, and routing, which are usually handled by libraries and frameworks like Spring Boot or Django. The back end also consists of logic that can connect the application to other services and databases. For example, all the user and transaction data is stored in a database through specific drivers handled on the back end.

*Melash*  
PRINCIPAL

Full stack developers must have knowledge of an entire technology stack, i.e., the set of technologies that are used to build an end-to-end application quickly and efficiently. For example, if they want to build an application using the MEAN stack, they should know how to work with MongoDB, Express, Angular and Node. Full stack developers should be able to judge whether the selected technologies are the right choice for their project during the early phases.


Some responsibilities of a full stack developer are to: Help in choosing the right technologies for the project development and testing both on the front end and the back end. Write clean code across the stack by following the best practices of the tools used. Be up to date with the latest technologies and tools to make the best technology usage decisions.


There are many advantages of hiring full stack developers for web application development:

- Complete ownership and understanding of the project
- Saves both project time and cost, and enhances productivity
- Faster bug fixing due to knowledge of complete system
- Easy knowledge transfer to other team members
- Better division of work amongst team members

Full stack development provides a faster and more efficient development experience to build web applications, as team members are equipped with the knowledge of various technologies and tools and can use their diverse knowledge for development as well as future research. The two most popular technology stacks—i.e., MEAN stack and MERN stack—use MongoDB as their core database, which has a flexible schema and provides scalability and high availability for any project size.

Applications that require higher scalability and more complex workflows require broader skill sets and collaboration across teams. For example, the front end may be handled by the UI team, and the back end by another team. In some organizations, individuals will be required to work on both the front-end and back-end implementation of a feature. This is where full stack developers would come into play. The Career Awareness Program on “Full Stack Development” Program ended on successful note, along with an encouraging feedback from the students.

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

  
HOD  
Head of Department  
Department of Computer Science & En.  
R.R. Institute of Technology  
Resaraghatta Main Road  
Chikkabanavara, Bangalore



PKM Educational Trust &

# R. R. Institute of Technology

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Raja Reddy Layout, Chikkabanavara, Bengaluru -560 090

Department of Computer Science & Engineering

## Gallery





GPS Map Camera



Mydarahalli, Karnataka, India  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Mydarahalli, Karnataka 560090, India  
22/12/22 10:30 AM GMT +05:30



GPS Map Camera



Mydarahalli, Karnataka, India  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Mydarahalli, Karnataka 560090, India  
22/12/22 10:32 AM GMT +05:30





Myadarahalli, Karnataka, India  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Myadarahalli, Karnataka 560090, India  
22/12/22 10:32 AM GMT +05:30



Myadarahalli, Karnataka, India  
Main Block, RR Institute Of Technology, Medaralli,  
Chikkabanavara, Myadarahalli, Karnataka 560090, India  
22/12/22 10:31 AM GMT +05:30



## *Memorandum of Understanding (MoU)*

*BETWEEN*

*Department of Information Science & Engineering*

**R.R. Institute of Technology**

Bangalore, Karnataka 560 090

*AND*

**ParvaM ConsulTech Pvt. Ltd.,**

Bangalore, Karnataka 560 090

**Date: 20-02-2020**

This Memorandum of Understanding (MoU) is entered amongst Department of Information Science & Engineering, R.R. Institute of Technology, (hereinafter referred to as "RRIT") the college established in 2008 and having its campus at Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara, Bangalore - 560 090.

And

ParvaM ConsulTech Pvt. Ltd., (Hereinafter referred to as "ParvaM") situated at Bengaluru.

In course of this MoU, both the parties to MoU mentioned above have been individually referred to as "Party" and jointly as "Parties".

WHEREAS, ParvaM under the aegis of the Corporate Sustainability Program (CSP), has identified the need for imparting quality training in the "Data Science, Big Data, Machine Learning, Artificial Intelligence, Cloud Computing, IOT and Software Development" domain to Engineering Students across the Engineering colleges in the country. The main intent behind this initiative is to better equip young Engineering and to increase their awareness and industry connect. Company has taken an initiative to develop certain skills in the new engineering so that they can be productive and able to provide solutions to the real world problems.

  
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Chikkabanavara, Bangalore - 560 090.

Parvam ConsulTech Pvt. Ltd.

+91-99867 63937 | +91-98861 64685

#117, New Extension, Chikkabanavara, Hesaraghatta Main Road, Bangalore - 560090.  
support@parvamm.com | www.parvamm.com



AND WHEREAS, R.R. Institute of Technology strives to serve as a center for fostering co-operation and exchange of ideas between the academic and research community on the hand and the industrial and Governmental employers on the other, and to promote entrepreneurship among the students & to co-operate with industries both in public and private sectors with a view to devising courses of instruction which would meet the requirements of such industries

AND WHEREAS, both the parties have expressed a common interest in providing **Industry relevant training, Workshops, Internship, Placement Assistance** to the Engineering students, enhance their awareness, expand their industry connect and in the process, increase their employability.

The parties intend to enter in to this MoU to provide a frame work as per below terms and conditions to evaluate the area of collaboration between them and establish certain rights and obligations between the parties during such evaluation.

#### Terms and Conditions

1. ParvaM Company imparts training to students and faculty of the college and professionals working in the field during the mutually convenient period either at the institution or at the Industry.
2. Collaborated activities between the industry and the institution include two way transfer of technical information and knowledge through collaborative programs like guest lectures, seminars, symposia and other interactive programs. Deputation of technical experts/staff between the college and company.
3. Provide access to knowledge resources at the institution and the industry. Utilize with consent the laboratory and testing facilities available at the institute/industry for the execution of joint ventures/activities. Provide technical assistance/guidance to UG/PG projects undertaken and research work of mutual interest.
4. Participation in joint research projects of DST, CSIT, CREDEL etc., and public sector units. Participation of joint consultancy. Promote and support Innovative projects undertaken by students and Staff of and ParvaM.
5. R.R. Institute of Technology commits to make available the students, professors, training rooms and licensed software on computers / Workstations/ servers during the program as may be required.
6. ParvaM may give the opportunity to the qualified engineering students (who also fulfill the selection criteria set out by HR, ParvaM) to attend campus interviews however subjected to the recruitment plan/policy of the company.
7. In order to assess the impact of the program on the student's career, company requires details about the student's after graduation in terms of placement and higher-education. The college management agrees to provide this data and all support required to capture this information to company.

  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



8. Proprietary information disclosed by the company in the course of discussions and training under this MoU shall be kept highly confidential. College shall not use company's name or its trademarks or make any reference to the MoU or the program in any manner of publicity without company's prior written consent.
9. R.R. Institute of Technology is aware that the business activities of company are self-regulated by the "company Code of Conduct" which is incorporated by reference herein.
10. This MoU is effective from the date of signing and will remain valid unless terminated by either Party, upon thirty (30) days written notice to others Parties.
11. It is also agreed upon the MoU does not restrict company to implement the program in the other university/institutes.
12. Neither this MoU nor any negotiations or other understandings prior or pursuant to the execution of the MoU shall constitute a binding and legally enforceable agreement, nor give rise to any liability, between the parties. Notwithstanding the foregoing, however, the provisions of "Confidentiality", "Intellectual Property Rights" and "Term and Termination" shall be binding upon and enforceable in accordance with their terms against the parties and their successors and permitted assigns.

The Parties have caused their respective duly authorized representatives to execute and deliver this Agreement on the date mentioned hereinabove.

For Dept. ISE RRIIT

For ParvaM ConsulTech Pvt. Ltd,

Name: Dr. Manjunath R

Name: Santhosh

Designation: Professor

Designation: Director

Signature:   
Signature: 20/1/2020

Signature:   
Signature:

Head of Information Science Engineering  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.



  
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R.R. INSTITUTE OF TECHNOLOGY  
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support@parvamm.com | www.parvamm.com



## Certificate of Internship

Date : 05/10/2021

### To Whomsoever It May Concern


This is to certify that **Mr. Ahmed Mustafa**, of RR Institution of Technology, has successfully completed his internship program of 4 weeks with **ParvaM ConsulTech Pvt. Ltd.** By contributing towards the development of the project titled "**Service Booking Web Application**".

During the tenure of internship from **24th August 2021** to **18th September 2021**, we found him resourceful with quick learning capabilities making significant contribution towards the project activities assigned.

We wish him all the very best for a bright future.

Mohammed Habeeb  
Co-Founder & CEO  
ParvaM ConsulTech Pvt. Ltd.

**Note:** This is a digitally generated certificate and the seal is not required.

  
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15/12/20  
C - (1)

## Certificate of Internship

Date : 01/12/2020

### To Whomsoever It May Concern

This is to certify that **Mr. Mithun K**, of R.R Institute of Technology, has successfully completed his internship program of 4 weeks with **ParvaM ConsulTech Pvt. Ltd.** By contributing towards the development of the project titled "**Bazaar**".

During the tenure of internship from **24th August 2020** to **25th September 2020**, we found him resourceful with quick learning capabilities making significant contribution towards the project activities assigned.

We wish him all the very best for a bright future.

Mohammed Habeeb  
Co-Founder & CEO  
ParvaM ConsulTech Pvt. Ltd.

**Note:** This is a digitally generated certificate and the seal is not required.

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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Information Science & Engineering

## Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

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**Sri. Kiran H. R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H. R.**

Director, PKMET, Bengaluru

## Administrators

**Prof. Maya Salimath G.**

Director QAC –R. R. Institutions

## Chair Person

**Dr. Mahendra K. V.**

Principal

RRIT, Bengaluru

## Convener

**Dr. Manjunath R**

Professor & Head

Department of ISE

## Organising Committee

**Prof. Emmanuel R.**

Associate Professor,

ISE Department

**Dr Naveen M.**

Assistant Professor

ISE Department

**Prof. Abhilash L bhat**

Assistant Professor

ISE Department

## Cordially invites all Students for

### Two Days Workshop

On

### “Interactive Approach Towards Android Development”

On 25<sup>th</sup> & 26<sup>th</sup> June 2021.

### CHIEF GUEST

**Dr. Mahendra K. V.**

Principal

RRIT, Bengaluru

### GUEST SPEAKERS

**Mr. Mohith Santhosh**

Director & CTO, ParvaM Consul-Tech Pvt Ltd

**Mr. Mubeen UI Haq**

Senior Software Engineer , ParvaM Consul-Tech Pvt Ltd

**Mr. Deepak**

Software Engineer , ParvaM Consul-Tech Pvt Ltd

*Mahendra K. V.*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Registration Form of workshop Interactive Approach Towards Android Development on 25/

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*M. S. S.*  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*M. S. S.*  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90





Date:28/6/2021

## Report on Two Days Workshop on “Interactive Approach Towards Android Development” dated 25/06/2021 & 26/06/2021

Two days workshop was conducted by Information Science & Engineering department R R Institute of Technology Bangalore with collaboration with PARVAM Cosul-Tech Pvt. Ltd, on Android Development, The invitees for the workshop were Faculties and Students of different streams. The first day session started with welcome speech by Prof. Arpitha Martin and later on the session was handed over to the resource persons Mr. MUBEEN UL HAQ,A.H SENIOR SOFTWARE ENGINEER, PARVAM Cosul-Tech Pvt. Ltd, Bangalore, and Mr.MOHITH SANTHOSH CTO DIRECTOR,PARVAM SOFTWARE SOLUTIONS Bangalore.

Mr. Mubeen gave a brief introduction about Android. Later the components of Android were explained. A short explanation was done about java application for use in Android development. Mr. Santosh explained about the use of Kotlin language used in Android. Queries from the participants were answered by the resource persons.

The next session was explained by Mr.Mubeen about the use of Android Studio for Project development. In the project development using Android Studio the resource person explained about the Layouts, Widgets and Material Design. Queries were answered and thus the day 1 session was concluded.

The second day session was completely hands on by Mr.Mubeen and Mr. Deepak M, were the participants were guided to install Android Studio on their laptops. Later different small projects were assigned to each participant for development in their laptops. The resource persons helped the participants to successfully develop the projects and solve their queries. Thus the second day session was concluded with Vote of Thanks by Dr. Naveen M of RRIT Bangalore. The total number of participants were 47 of which 34 were students and 13 faculties.

*Melaha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*[Signature]*

HOD

Department of Information Science Engineering  
R.R. Institute of Technology  
Hesarghatta Main Road,  
Chikkabanavara, Bangalore - 90



R. R. Institute of Technology

Approved by All India Council of Technical Education, New Delhi

Established in 1983

Academy of Excellence in Education

Department of Information Science & Engineering

Snap Shots of the Event



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*Siddhi*

Department of Information Science & Engineering  
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Hesaraghatta Main Road  
Chikkabanavara, Bangalore - 90



# R. R. Institute of Technology

2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021  
Approved by AICTE, Bangalore  
Approved by UGC, New Delhi

Department of Information Science & Engineering



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Page 235 of 713



- Software stack for mobile devices
- Includes OS, middleware, key applications
- Android SDK provides the tools and API
- Uses java programming language and kotlin
- Open source



- gradle scripts
  - project
  - app
- manifests
- java
- res
  - drawables
  - layout
  - mipmap(hdpi,mdpi,xhdpi,xxhdpi)
  - values
    - color
    - string
    - theme

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanaswari, Bangalore - 560 090.

*Prakash*

Department of Information Science Engineering  
P.R. Institute of Technology  
Hesarghatta Main Road,  
Chikkabanaswari, Bangalore - 90



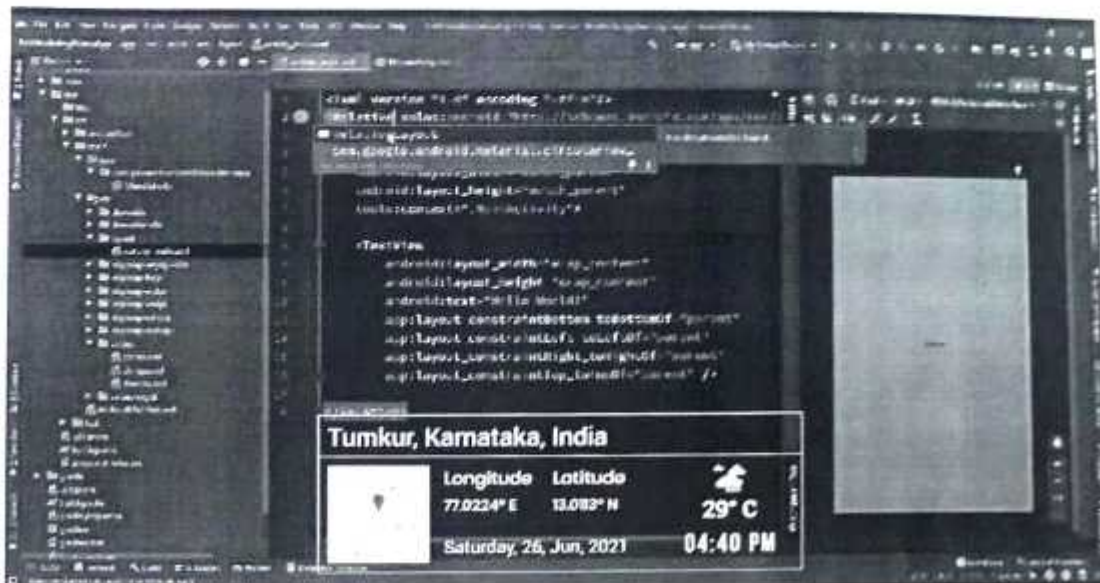
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Accredited by UGC under "B"

Balkrishna Layout, Chikkabavara, Bellary District, Karnataka

Department of Information Science & Engineering



*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavara, Bangalore - 560 090.

*Pankaj*

Department of Information Science & Engineering,  
R.R. Institute of Technology  
Chikkabavara, Bellary Road,  
Chikkabavara, Bangalore - 90.



PKM Educational Trust (P)

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*Mahesh*  
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Chikkabanavara, Bangalore - 560 090.

*R.M.H.*

Department of Information Science Engineering  
R.R. Institute of Technology  
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Chikkabanavara, Bangalore - 90.



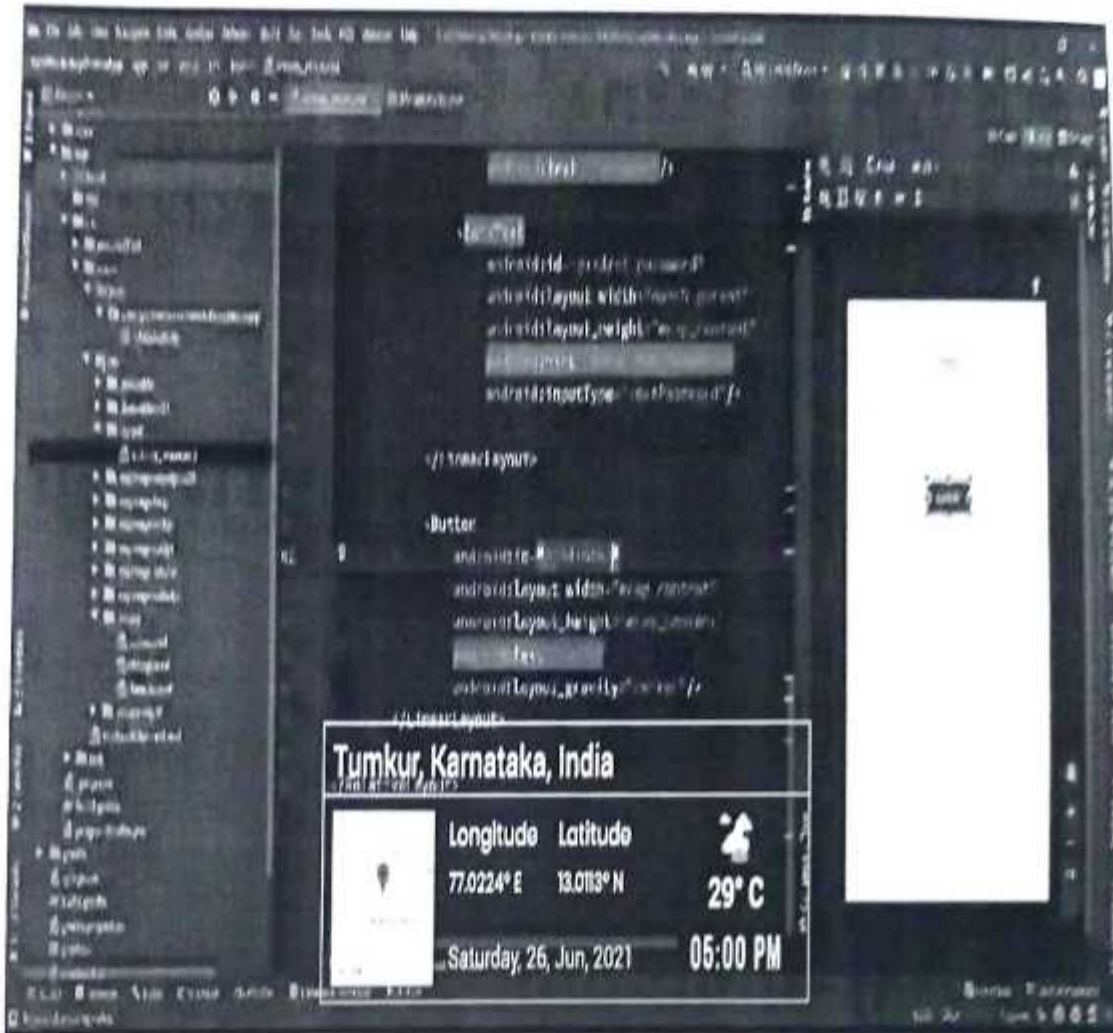
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# R. R. Institute of Technology

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Principal's Office, R. R. Institute of Technology, Chikkabanavara, Bangalore - 560 090.

Department of Information Science & Engineering



*Dr. H. S.*

Department of Information Science Engineering  
R. R. Institute of Technology  
Hesarayana Main Road,  
Chikkabanavara, Bangalore - 90.

*Mallesh*  
PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



**ಕರುನಾಡು ಟೆಕ್ನಾಲಜಿಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್**  
**KARUNADU TECHNOLOGIES PRIVATE LIMITED**

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

**MEMORANDUM OF  
UNDERSTANDING (MoU)**

**BETWEEN**

**R.R. Institute of Technology**

(Affiliated to VTU Belgaum and Approved by AICTE, New  
Delhi, Recognised by Gov. of Karnataka )  
Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabanavara, Bengaluru,  
Karnataka 560090, India  
Tel: 088800 01111

**&**

**Karunadu Technologies Private Limited**

#17, A.T.K. complex, 2<sup>nd</sup> & 4th Floor, Acharya College Main  
Road, Beside Karur Vysya Bank, Guttebasaveshwaranagar  
Chikkabanavara, Bengaluru Karnataka 560090  
Tel: 09902913646, 09964823646

**FOR**

*Melaha*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**SKILL DEVELOPMENT, INTERNSHIPS, WORKSHOPS  
AND RELATED SERVICES**



**Registered Office:**

No. 59, 2nd Main, 1st Cross, Near Singapura Village Bus Stop, Vidyanarayapura, Bengaluru - 560074,

CIN: U74999KA2018PTC114911, Mob: +91 9964823646 / +91 9902913646 E-mail: karunadutechnologies@gmail.com,  
support@karunadutechnologies.com, Website: www.karunadutechnologies.com





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KARUNADU TECHNOLOGIES PRIVATE LIMITED

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 01<sup>st</sup> day of - August - Two Thousand and Twenty (01/08/2020), by and between

R.R. Institute of Technology  
Raja Reddy Layout,  
Medaralli, Chikkabanavara, Bengaluru,  
Karnataka 560090, India  
Tel: 088800 01111

The First Party represented herein by its Name of Competent Authority / Representative (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

AND

**Karunadu Technologies Private Limited**  
#17, ATK complex, 2<sup>nd</sup> & 4th Floor, Acharya College Main  
Road, Beside Karur Vysya Bank, Guttebasaveshwaranagar  
Chikkabanavara, Bengaluru Karnataka 560090  
Tel: 09902913646, 09964823646

*Malah*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

The Second Party, and represented herein by its Zonal / Divisional Head, Name of Competent Authority / Representative, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

Registered Office:

No. 59, 2nd Main, 1st Cross, Near Singapura Village Bus Stop, Vidyanarayapura, Bengaluru - 560064,  
CIN: U74999KA2018PTC114911, Mob: +91 9964823646 /+91 9902913646 E-mail: karunadutechnologies@gmail.com ,  
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Page 2 of 7



ಕರುನಾಡು ಟೆಕ್ನಾಲಜಿಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್

KARUNADU TECHNOLOGIES PRIVATE LIMITED

#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttesbasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

First Party is a Higher Educational Institution named:

R.R. Institute of Technology

- A) First Party and Second Party believe that collaboration and co-operation between  
Themselves will promote more effective use of each of their resources, and provide each  
Of them with enhanced opportunities.
- B) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill  
Based Training, Educational trainings like Workshops, Internships and Technical Talks  
and other related activities.
- C) Both Parties, being legal entities in themselves desire to sign this MOU for advancing  
their mutual interests.
- D) Karunadu Technologies Private Limited, the Second Party is engaged in Software and  
Embedded Services and Solutions, Skill Development, Educational trainings like  
Workshops, Internships and Technical Talks and other related activities.
- E) R R Institute of Technology. The first party is Engineering College and this MOU is made  
for Dept. of Computer Science and Engineering Branch (CSE) and Information Science  
and Engineering (ISE), R R Institute of Technology, Bengaluru.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET  
FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOW

*Malah*  
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support@karunadutechnologies.com, Website: www.karunadutechnologies.com



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KARUNADU TECHNOLOGIES PRIVATE LIMITED  
#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,  
Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

*M. R. R.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

CLAUSE 1  
CO-OPERATION

Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

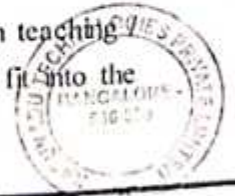
First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter here of and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2  
SCOPE OF THE MoU

The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

**Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.



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Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

**Industrial Training and Visits:** Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Internships / Workshops / Industrial Talks for the hands-on training of the learners enrolled with the First Party.

**Skill Development Program:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.

**Faculty Development Program:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement.

Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein

If there is any financial commitment on the part of the Government Engineering College, Huvinahadagali, the First Party to take up any programme mentioned in the MoU, it will be dealt separately and will be put into execution after being agreed from Both Parties.

CLAUSE 3  
INTELLECTUAL PROPERTY

3.1: Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

*Melaha*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.



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*M. R. R.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

CLAUSE 4  
VALIDITY

4.1: This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period Karunadu Technologies Private Limited, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of Karunadu Technologies Private Limited, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU.

Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

CLAUSE 5  
RELATIONSHIP BETWEEN THE PARTIES

5.1: It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

*M. R. R.*  
on 10/02/2020  
First Party

R R Institute of Technology, Siddhartha  
R. R. Institut of Techno...  
Hesarag, the Main Road.

*[Signature]*

Second Party

Karunadu Technologies Private Limited.

Any divergence of difference derived from the interpretation or application of the MoU shall be resolved by mutual talks/understandings and is not entitled for any legal actions from either parties. However one can terminate this MOU as mentioned in Clause 4



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support@karunadutechnologies.com, Website: www.karunadutechnologies.com



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 Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

*Mallesh*  
 PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
 Chikkabanavara, Bangalore - 560 090.

**AGREED:**

RR Institute of Technology

Karunadu Technologies Private Limited

*R.M.H.A.*  
 21/03/2020  
 Authorized Signatory  
 Department of Computer Science  
**Dr. MANJUNATH R.**  
 Professor & Head  
 Hesaraghatta Main Road  
 Chikkabanavara, Bangalore



RR Institute of Technology	Karunadu Technologies Private Limited
Address: Raja Reddy Layout, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India	Address : #17, ATK complex, 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank, Guttebasaveshwaranagar Chikkabanavara, Bengaluru Karnataka 560090
Tel : 08880001111	Tel : 09902913646, 09964823646
Email : <a href="mailto:cse@rrinstitutions.com">cse@rrinstitutions.com</a>	Email : <a href="mailto:karunadutechnologies@gmail.com">karunadutechnologies@gmail.com</a> , <a href="mailto:support@karunadutechnologies.com">support@karunadutechnologies.com</a>
Web : <a href="https://www.rrit.ac.in/">https://www.rrit.ac.in/</a>	Web : <a href="https://www.karunadutechnologies.com/">https://www.karunadutechnologies.com/</a>

*Sumanth V*  
 Witness 1:  
 Dr.Sumanth V  
 Assistant Professor  
 Dept.of CSE

*Mr. Harish N*  
 Witness 2:  
 Mr. Harish N  
 CTO Co-Founder  
 Karunadu Technologies Pvt.Ltd.

*Dh*  
 Witness 3:  
 Mr.Dhananjaya M K  
 Assistant Professor  
 Dept.of CSE

*Sunil Kumar*  
 Witness 4:  
 Mr.Sunil Kumar  
 Team Lead  
 Karunadu Technologies Pvt.Ltd.

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[support@karunadutechnologies.com](mailto:support@karunadutechnologies.com), Website: [www.karunadutechnologies.com](http://www.karunadutechnologies.com)



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Guttesasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

Ref No: KTPT/INT/2021/I199

Date: 16-Nov-2021

## To Whomsoever It May Concern

### CERTIFICATE

This is to certify that Mr/Ms. JAHNAVI NADGIR from R.R. Institute of Technology (ISE) bearing USN- 1RI17IS009 has successfully completed internship programme at Karunadu Technologies Private Limited from 01-Sep-2021 to 30-Sep-2021 and found the candidate's performance is good.

During his/her Internship, he/she was exposed to the various activities in field of Internet of Things (IoT). During the course he/she was trained and he/she carried out a project on Automatic Door Using PIR Sensor.

During the period of his/her Internship training with us he/she was found punctual, hardworking and inquisitive.

His/her association with us was very fruitful and we wish him/her all the best for his/her future.

  
HARISH N  
GUIDE  
Karunadu Technologies Pvt.Ltd.

  
MAHESH DEGINAL  
Managing Director  
Karunadu Technologies Pvt.Ltd.

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

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## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 01<sup>st</sup> DAY of ---August ---Two Thousand and Twenty One (01/08/2020) by and between

### **R.R. Institute of Technology**

Department of Information Science & Engineering

Raja Reddy Layout

Medaralli, Chikkabanavara, Bengaluru

Karnataka 560090, India, Tel: 088800 01111

THE FIRST PARTY represented herein by its Name of Competent Authority / Representative

AND

### **Manyathy Business Solutions**

880, 2nd Cross, 5th Stage,

Rajarajeshwari Nagar, Bengaluru

Karnataka 560056, India, Contact : +91 9886168884

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

FOR

### **ENTREPRENEURIAL SKILL DEVELOPMENT, OUTCOME BASED TRAININGS, PLACEMENT, AND RELATED SERVICES**

THE SECOND PARTY represented herein by its Name of Competent Authority /Representative (First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

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Branch Office: 880, 2<sup>nd</sup> Cross, 5<sup>th</sup> Stage, Rajarajeshwari Nagar, Bengaluru- 560098

Branch Office: Baligar Building, Behind Hans Hostel, Vidyanagar, Hubballi, Karnataka-580021

Website: <https://manyathy.com> | E-mail: [info@manyathy.com](mailto:info@manyathy.com)





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**First party is a Higher Educational Institute named:**

**R. R. Institute of Technology**

First party and second party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

### **PURPOSE OF MOU**

**In particular, this MOU is intended to**

1. Enhance entrepreneurial mindsets among the students of Entrepreneurship Development certificate course under R. R Institute of Technology, Medaralli, Chikkabanavara, Bengaluru
2. Organize various workshops on Entrepreneurship Development
3. Conduct practical trainings on Entrepreneurship Development
4. Generate self-employment opportunities
5. Assist the students in establishing various start-ups
6. Arrange the placement of trained students

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:**

#### **Clause 1**

#### **CO-OPERATION**

- 1.1 Both parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations. The parties shall keep each other informed of potential opportunities and share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The co-operation between First Party and Second Party will facilitate effective utilization of the intellectual capabilities of the Second Party providing significant inputs to them in developing suitable teaching/ training systems, keeping in mind the needs of the First Party.

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Website: <https://manyath.com> | E-mail: [info@manyath.com](mailto:info@manyath.com)

  
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Reg. No: SMG-F1-2016-17

### Clause 2

#### SCOPE OF THE MOU

- 2.1 Both parties believe that close co-operation between the two would be a major benefit to the student community to enhance their skills and knowledge.
- 2.2 The Second Party will give valuable inputs to the First Party in teaching/ training methodology so that the students fit into the industrial scenario meaningfully.
- 2.3 The interaction between Industry and Community College Centre will give an insight into the latest developments /requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs/ Workshops/ Industrial Sites for the hands-on training of the learners enrolled with the First Party.
- 2.4 The Second Party will train the students of the First Party on the emerging technologies in order to bridge the gap in skill and make them ready for industry.
- 2.5 The Second Party will extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.
- 2.6 The Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs.

### Clause 3

#### VALIDITY

- 3.1 The validity of the agreement is one year from the date of agreement.
- 3.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

---

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3.3 Any dispute will be settled in the Court only where R. R Institute of Technology, is situated.

**First Party**  
R R Institute of Technology

**Second Party**  
Manyathy Business Solutions

### AGREED:

Dr. Manjunath R  
Professor & Head, ISE Department  
R R Institute of Technology

AKhil M R  
Managing Director  
Manyathy Business Solutions

*PMHR*  
21/02/2020  
HOD of Information Science Engineering  
R.R. Institute of Technology  
Hesarayana Main Road,  
Chikkabanavara, Bangalore - 560090  
Authorized Signatory

*Akhil*  
For Manyathy Business Solutions  
Director  
Authorized Signatory

R.R.Institute of Technology	Manyathy Business Solutions
Address: Raja reddy Layout, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India	Address : 880, 2nd Cross, 5th Stage, Rajarajeshwari Nagar, Bengaluru, Karnataka 560056, India,
Contact Details : 08880001111	Contact Details : +91 9886168884
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Witness 1:  
Mr. Emmanuel R  
Associate professor  
Dept. of ISE

*Lakshmi*  
Witness 2:  
Mr. Lakshmikanth B  
Software Trainee  
Manyathy Business Solution

*Dms*  
Witness 3:  
Mr. Dhananjaya M K  
Assistant professor  
Dept. of CSE

*Principals*  
PRINCIPAL  
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Chikkabanavara, Bangalore - 560 090.

*Kumar*  
Witness 4:  
Mr. Kumar G  
Technical Manager  
Manyathy Business Solution

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Branch Office: 880, 2<sup>nd</sup> Cross, 5<sup>th</sup> Stage, Rajarajeshwari Nagar, Bengaluru- 560098

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Accredited by NAAC with 'B-'  
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Department of Information Science & Engineering

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**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri. Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri. Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr. Mahendra K V**

Principal

RRIT, Bengaluru

### Conveners

**Dr. Manjunath R**

Professor & Head

Department of ISE

### Organising Committee

Prof. Geetha R

Assistant Professor,  
ISE Department

Prof. Veena V

Assistant Professor,  
CSE Department

Prof. Balaraju G

Assistant Professor,  
CSE Department

**Cordially invites all for**

Two days workshop

on

## **"AUTHENTICATION USING GOOGLE SIGN-IN ON ANDROID"**

On 30<sup>th</sup> and 31<sup>st</sup> July 2021

### **CHIEF GUEST**

**Dr. Mahendra K V**

Principal

RRIT, Benagluru

### **GUEST SPEAKER**

**Amith KS**

Managing Partner

Manyathy Business Solution.

*Mahendra K V*

PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**

Chikkabanasavara, Bangalore - 560 090.

## Profile

### Amith KS:

He is a Managing Partner of Manyathu Business Solutions, Software development company having branches in Bengaluru and Hubballi. He worked for MNC companies like IBM, Adea Technologies on Server Configuration and Building web 2.0 application.

Currently he is a Consultant with TCS on the Area of Block chain security aspects. He delivered few invited talks, and Faculty Development Programs, participated in workshops. He organized State Level and National Level events.

Also working as Assistant Professor in the Department of CSE, SDM Institute of Technology, Ujire, Karnataka, INDIA. He is pursuing Ph.D. in Computer Science and Engineering at Visvesvaraya Technological University, Belagavi. He obtained his M.Tech in Network & Internet Engineering in 2007 from JNNCE, Shivamogha and B.E. degrees in Computer Science and Engineering in 2004 from AIT, Chickmagalur.

His research interest includes Computer Networks, Cognitive Radio Networks, 5G Networks, Cryptography, Internet of Things, and Block Chain Technology . He has published around **6 papers** in International and National Conferences and Journals and having **3 Patents** in the area of AI and Security.

  
PRINCIPAL

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Chikkabavenavara, Bangalore - 560 090.

**Registration on Two Days Workshop on "Authentication using Google sign-in on Android" on 30th & 31st July 2021**

Sl No	Username	Name	College Name	Department
1	abhilashbhat001@gmail.com	ABHILASH L BHAT	RRIT	ISE
2	veena.jat@gmail.com	VEENA V	RRIT	CSE
3	geethakrishna88@gmail.com	Geetha R	RRIT	ISE
4	navyakr139@gmail.com	Navya KR	RRIT	ISE
5	dhanu.05mk@gmail.com	Dhananjaya M K	Rrit	CSE
6	akky36597@gmail.com	Akash Kumar	RRIT	ISE
7	balkrishnavyas99@gmail.com	Vyas Balakrishna R	RRIT	Ise
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10	meghameghana9918@gmail.com	Meghana M R	RRIT	ISE
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34	bibekmodak123@gmail.com	BIBEK MODAK	RRIT	CSE
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Chikkabanavara, Bengaluru-560090

## Department of Information Science & Engineering

### CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. *{{ Full Name }}* of *{{ Other Identifier }}* has actively participated in Two Days Workshop on “Authentication using Google Sign-in on Android” Organized by the Department of Information Science & Engineering on 30<sup>th</sup> and 31<sup>st</sup> July 2021 at RRIT, Bengaluru.

**Dr. Manjunath R.**  
Department of Information Science & Engineering  
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Hesarahalli Main Road,  
Chikkabanavara, Bangalore - 90.

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**Dr. Mahendra K. V.**  
Principal





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Department of Information Science & Engineering

Date:02/08/2021

### Report for Hands on workshop on "Authentication using Google sign-in on Android" on 30<sup>th</sup> and 31<sup>st</sup> July 2021

Department of ISE had conducted a Hands on workshop on "Authentication using Google sign-in on Android" for students of Computer Science and Information Science on 30<sup>th</sup> and 31<sup>st</sup> July 2021. This webinar was open to other branch students and faculties as well. The Session Started at 2.30 pm by welcoming the Management, Qac, Iqac, Principal, HOD, Students and Staff of RRIT.

The program was conducted online through Google Meet application with total number of 57 participants from which 8 were Faculties and 49 were Students. **Mr. Amith K S**, Assistant Professor of Computer Science and Engineering Department from *SDM institute of Technology, Ujire, Karnataka* gave one and half an hour hands on session on Android & Firebase on both the days.

#### The workshop highlights:

- Introduction to Android, provided Configuration details for installing and executing program on Android IDE.
- Discussed Machine learning tools provided under Firebase.
- Hands on session on Firebase, demonstrated connection of android application to Firebase
- Demonstrated the usage of RealtimeDatabase.
- Demonstrated the usage of Firebase Real Database tool with an example.
- Developed an Authentication application and integrated application with Firebase

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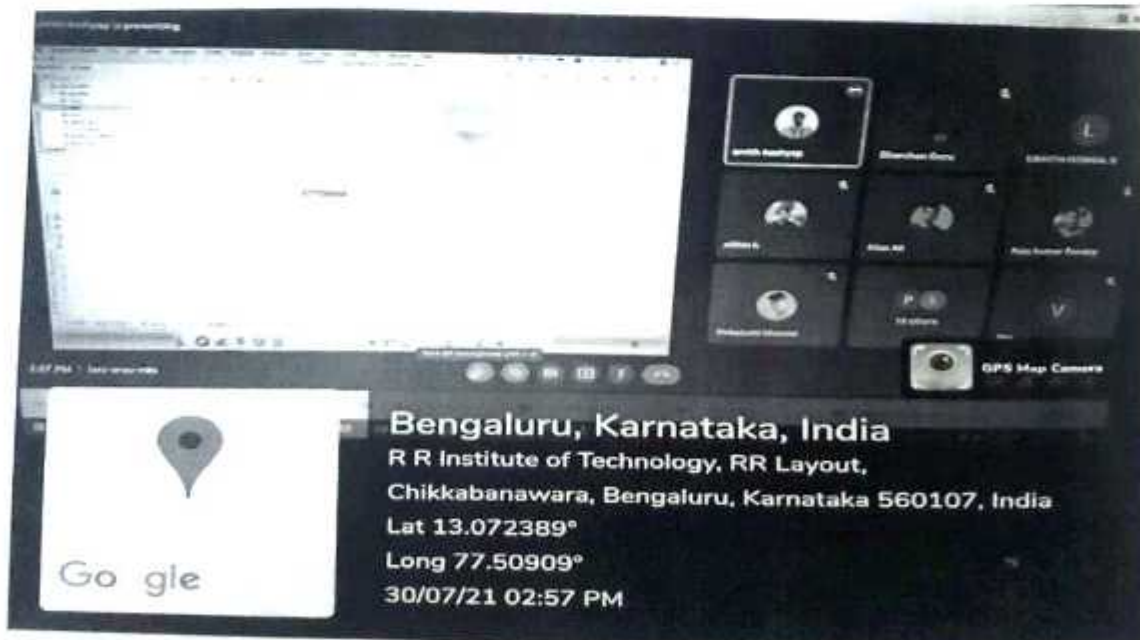
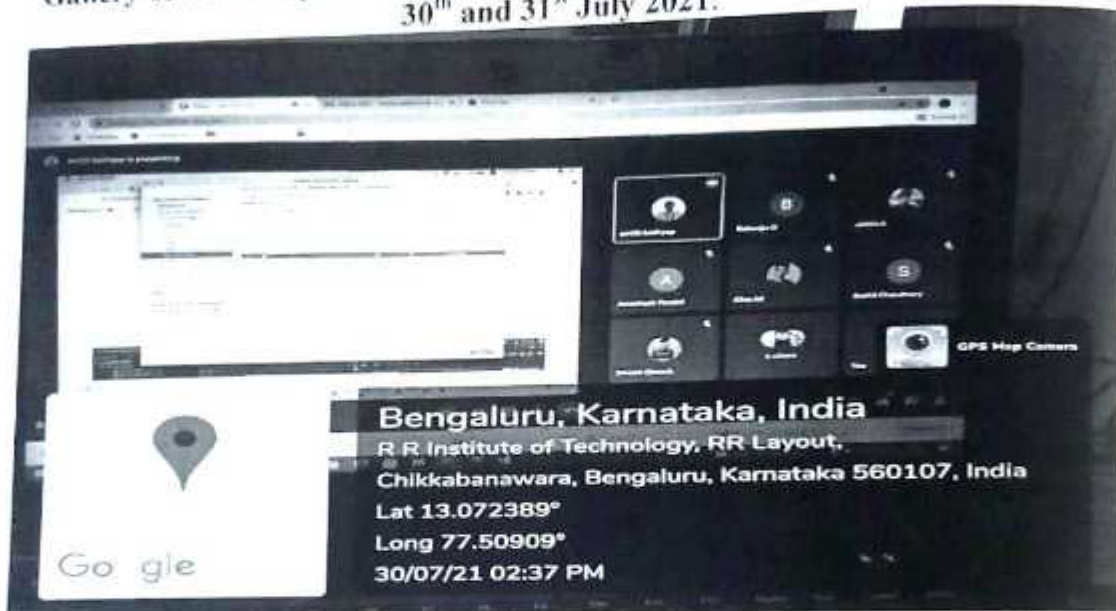
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Department of Information Science & Engineering

Gallery of workshop on "Authentication using Google sign-in on Android" on  
30<sup>th</sup> and 31<sup>st</sup> July 2021.

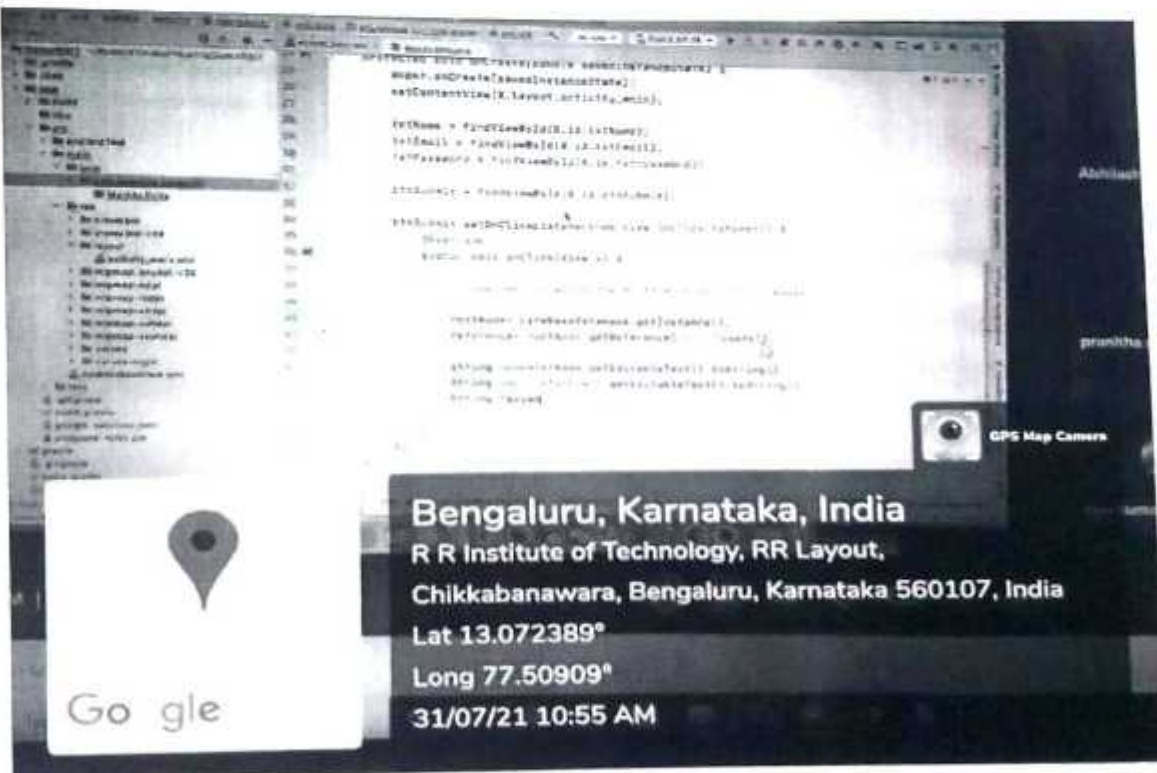



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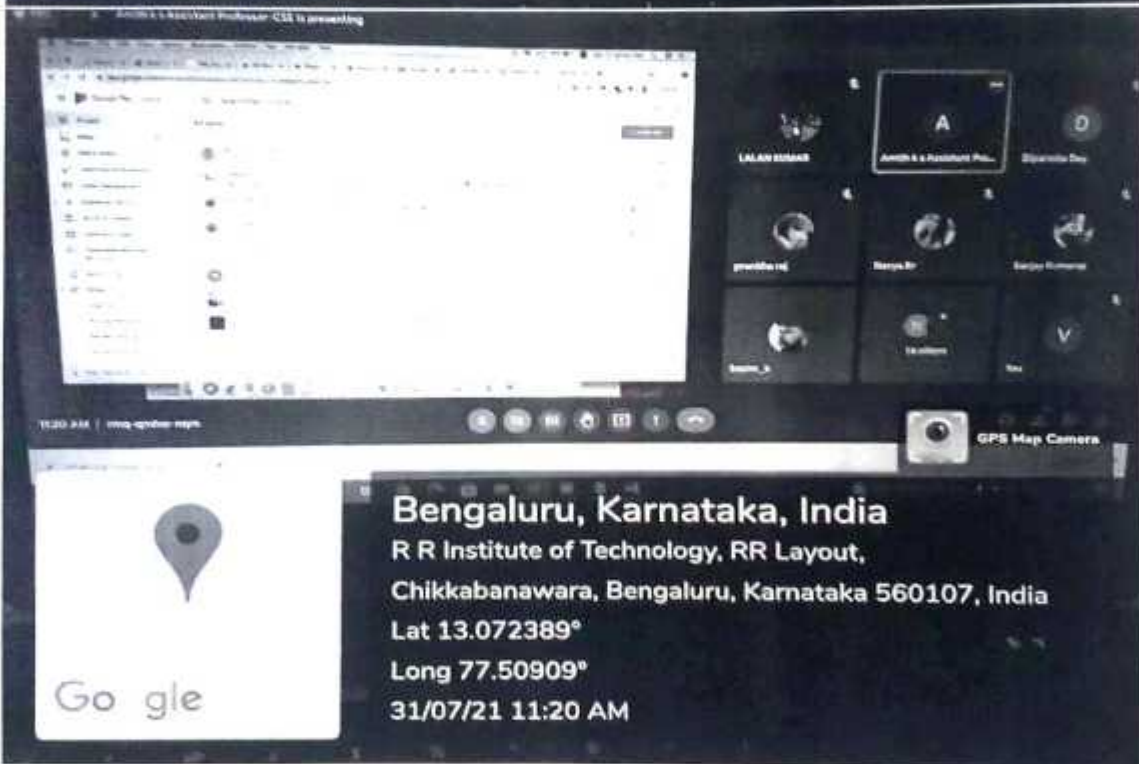
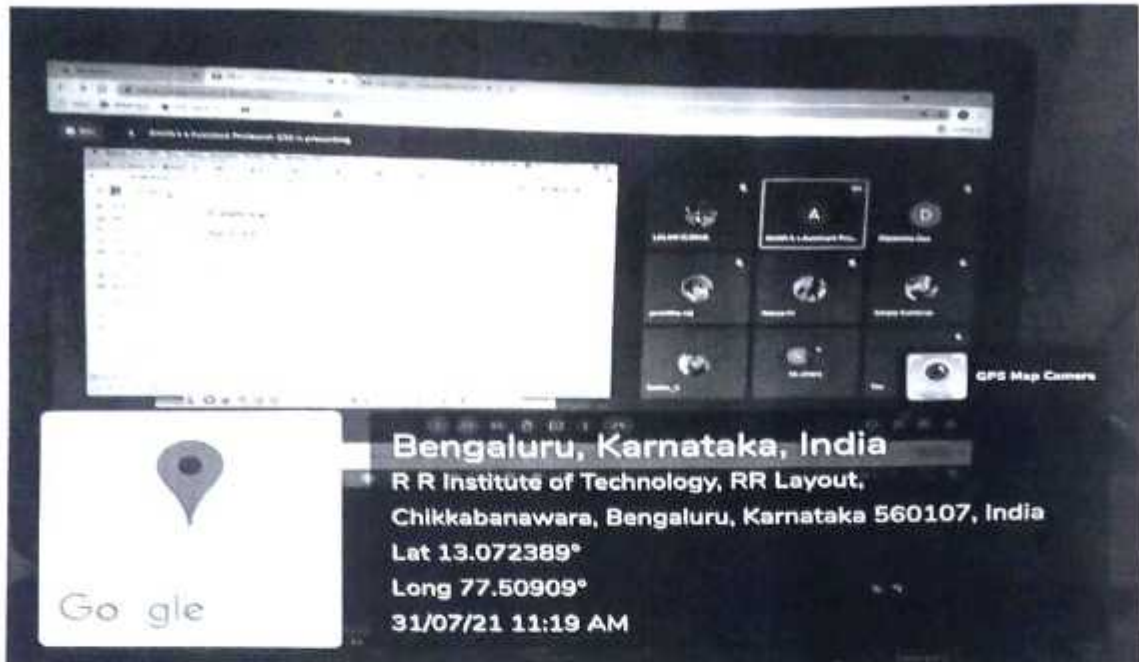
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 HOD of Information Science Engineering  
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 Hesarayana Main Road,  
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## *Memorandum of Understanding (MoU)*

*BETWEEN*

*Department of Information Science & Engineering*

**R.R. Institute of Technology**

Bangalore, Karnataka 560 090

*AND*

**SST Technologies**

Bangalore, Karnataka 560 078

**Date: 10-01-2020**

This Memorandum of Understanding (MoU) is entered amongst Department of Information Science & Engineering, R.R. Institute of Technology, (hereinafter referred to as "RRIT") the college established in 2008 and having its campus at Raja Reddy Layout, Hessaraghatta Main Road, Chikkabanavara, Bangalore - 560 090.

And

SST Technologies (Hereinafter referred to as "SST Technologies") situated at Bengaluru.

In course of this MoU, both the parties to MoU mentioned above have been individually referred to as "Party" and jointly as "Parties".

WHEREAS, SST Technologies under the aegis of the Corporate Sustainability Program (CSP), has identified the need for imparting quality training in the "Data Science, Big Data, Machine Learning, Artificial Intelligence, Cloud Computing, IOT and Software Development" domain to Engineering Students across the Engineering colleges in the country. The main intent behind this initiative is to better equip young Engineering and to increase their awareness and industry connect. Company has taken an initiative to develop certain skills in the new engineering so that they can be productive and able to provide solutions to the real world problems.

  
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**AND WHEREAS, R.R. Institute of Technology** strives to serve as a center for fostering co-operation and exchange of ideas between the academic and research community on the one hand and the industrial and Governmental employers on the other, and to promote entrepreneurship among the students & to co-operate with industries both in public and private sectors with a view to devising courses of instruction which would meet the requirements of such industries

**AND WHEREAS,** both the parties have expressed a common interest in providing **Industry relevant training, Workshops, Internship, Placement Assistance** to the Engineering students, enhance their awareness, expand their industry connect and in the process, increase their employability.

The parties intend to enter in to this MoU to provide a frame work as per below terms and conditions to evaluate the area of collaboration between them and establish certain rights and obligations between the parties during such evaluation.

#### **Terms and Conditions**

1. **SST Technologies** Company imparts training to students and faculty of the college and professionals working in the field during the mutually convenient period either at the institution or at the Industry.
2. Collaborated activities between the industry and the institution include two way transfer of technical information and knowledge through collaborative programs like guest lectures, seminars, symposia and other interactive programs. Deputation of technical experts/staff between the college and company.
3. Provide access to knowledge resources at the institution and the industry. Utilize with consent the laboratory and testing facilities available at the institute/industry for the execution of joint ventures/activities. Provide technical assistance/guidance to UG/PG projects undertaken and research work of mutual interest.
4. Participation in joint research projects of DST, CSIT, CREDEL etc., and public sector units. Participation of joint consultancy. Promote and support Innovative projects undertaken by students and Staff of and **SST Technologies**.
5. **R.R. Institute of Technology** commits to make available the students, professors, training rooms and licensed software on computers /Workstations/ servers during the program as may be required.
6. **SST Technologies** may give the opportunity to the qualified engineering students (who also fulfill the selection criteria set out by HR, **SST Technologies** ) to attend campus interviews however subjected to the recruitment plan/policy of the company.
7. In order to assess the impact of the program on the student's career, company requires details about the student's after graduation in terms of placement and higher-education. The college management agrees to, provide this data and all support required to capture this information to

*M. Lakshmi*  
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8. Proprietary information disclosed by the company in the course of discussions and training under this MoU shall be kept highly confidential. College shall not use company's name or its trademarks or make any reference to the MoU or the program in any manner of publicity without company's prior written consent.
9. **R.R. Institute of Technology** is aware that the business activities of company are self-regulated by the "company Code of Conduct" which is incorporated by reference herein.
10. This MoU is effective from the date of signing and will remain valid unless terminated by either Party, upon thirty(30) days written notice to others Parties.
11. It is also agreed upon the MoU does not restrict company to implement the program in the other university/institutes.
12. Neither this MoU nor any negotiations or other understandings prior or pursuant to the execution of the MoU shall constitute a binding and legally enforceable agreement, nor give rise to any liability, between the parties. Notwithstanding the foregoing, however, the provisions of "Confidentiality", "Intellectual Property Rights" and "Term and Termination" shall be binding upon and enforceable in accordance with their terms against the parties and their successors and permitted assigns.

The Parties have caused their respective duly authorized representatives to execute and deliver this Agreement on the date mentioned hereinabove.

For Dept. ISE RRIT

Name: Dr. Manjunath R

Designation: Professor

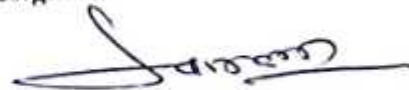
  
Signature:  
10/04/2020

HO of Information Science Engineering,  
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For SST Technologies

Name: Dr. Sreenivas  
Rajy.

Designation: Director



Signature:

**S S T TECHNOLOGIES**  
# 944, 16th Cross, 1st Stage  
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Department of Information Science & Engineering

## Chief Patron

**Sri. Y. Raja Reddy**

Chairman, PKMET, Bengaluru

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Secretary, PKMET, Bengaluru

**Sri. Arun H. R.**

Director, PKMET, Bengaluru

## Administrators

**Prof. Maya Salimath G.**

Director QAC - R. R. Institutions

## Chair Person

**Dr. Mahendra K. V.**

Principal  
RRIT, Bengaluru

## Convener

**Dr. Manjunath R**

Professor & Head  
Department of ISE

## Organising Committee

**Prof. Malashree G**

Assistant Professor, CSE Department

**Prof. Shruthi S**

Assistant Professor, CSE Department

**Prof. Swetha K B**

Assistant Professor, ISE Department

## Cordially invites all Students for

### Guest Lecture

On

### “Microcontroller and Embedded systems”

29<sup>th</sup> JULY 2021.

## CHIEF GUEST

**Dr. Mahendra K. V.**

Principal

RRIT, Bengaluru

## GUEST SPEAKER

**Dr. Sreenivasa Setty**

Chief Technical Officer

SST Technologies

Bangalore-560078



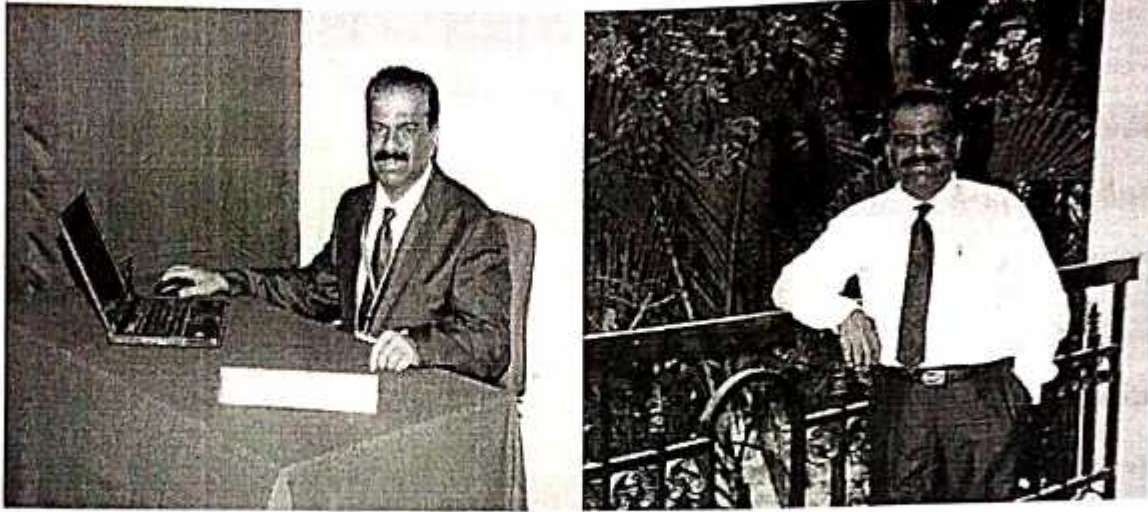
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## Profile:



- Prof.Sreenivasa Setty pursued his Bachelors (B.E) in Electronics and Communication Engineering from Mysore University in 1990, M.S in Software Systems from BITS Pilani in 1999 and Ph.D (CSE) in Visweshwaraya Technological University (VTU), Belagavi.
- He has rendered his teaching service with practical hands on experience with a great devotion for over 31 long years in Top-notch technical institutes in Karnataka viz., MVJ College of Engineering, PES Mandya, Don Bosco Institute of Technology, AMC College of Engineering, Dayananda Sagar College of Engineering and R.V.College of Engineering, Bengaluru.
- He has authored one book and 5 technical articles in refereed journals and proceedings such as IEEE, Springer. His research interests include Microprocessor and Microcontroller, embedded system, IoT and image processing algorithms.
- He is a very humble and simple man who is always in the constant look out of stretching out his helping hand to his students through his expertise in technology in order to make them aware of day-to-day technological breakthroughs around the world and give our nation the best of Engineers.
- Having Strong communication and presentation skills, effective collaboration & team building capabilities with zeal to adapt to latest technological and leadership concepts & utilize the same in a productive and effective manner for the progress of the students and the society is his motto.

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- He has hosted workshops in diverse domains of Technology in institutes like DBIT, MSRIT, BGSIT, EWIT, DSCE, BGSIT, BMSIT, BNMIT, RRIT etc. As a result, he is a very likeable, student friendly and a popular teacher among the student community. He addressed more than 3 lakh students.
- He has also founded a technical start up lately named SST Technologies in 2016. Presently Dr. Sreenivasa Setty is the Founder and the CTO of this company.
- SST Technologies has been established in with a vision to be one of the top company for IOT, Arduino, Raspberry Pi, Android Development Training, C, C++, Java, Python, Android App Development, Microprocessors, IoT, Dot.net & PHP, Embedded development, Web Designing and hosting, Robotics, Software Testing solutions etc.
- SST Technology always thrive to provide a better and smarter way to conduct and train the students, in bridging the gap between the industry requirement and the knowledge acquired by students.

## **Dr. Sreenivasa Setty**

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Bangalore-560078

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Registration list of Guest Lecture on "Microcontroller and Embedded systems " on 29th July 2021

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Barun Roy	RRIT	CSE
TUSHAR PARI	RRIT	CSE
SAMIR SINGH	RRIT	ISE
DEEP MANDAL	RRIT	CSE
Jahnavi Kiran	RRIT	CSE
Aneesh.k.v	RRIT	Cs
BHAGYASHRI GYAN	R R I T	CSE
Biltu Mondal	RRIT	Cse
Ayush Mishra	Rrit	Ise
Swetha K B	RRIT	Ise
Nawaz Sharief	RRIT	CSE
Aniket Parihar	RRIT	CSE
DURGA PRASAD SIM	RRIT	Ise
Umasankar	RRIT	CSE
Nikee Mehta	RRIT	ISE
VEENA V	RRIT	CSE
ABHILASH L BHAT	RRIT	ISE



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Department of Information Science & Engineering

Date: 29/07/2021

**Report on**  
**Guest Lecture on "Microcontroller and Embedded systems"**  
**on 29<sup>th</sup> July 2021**

RRIT organized Guest Lecture on "Microcontroller and Embedded systems" was conducted by Department of Information Science on 29<sup>th</sup> July 2021. The session was attended 66 by students and faculties of R R Institute of Technology. The Lecture started at 10.30am on 29<sup>th</sup> July 2021 by welcoming the speaker by Prof Swetha K B on behalf of Management, Principal and HOD CSE & ISE to the guest lecture, which was held on 29<sup>th</sup> July through Google Meet platform with the 4<sup>th</sup> sem CSE & ISE 66 Students attended the Guest Lecture.

The Session was Highlighted with the concepts of Understanding the ARM microcontroller

- Demonstrate the need of real time operating system for embedded system application
- Apply the knowledge gained for Programming ARM for different applications
- Describe the architectural features and instructions of ARM microcontroller
- Program ARM controller using the various instructions

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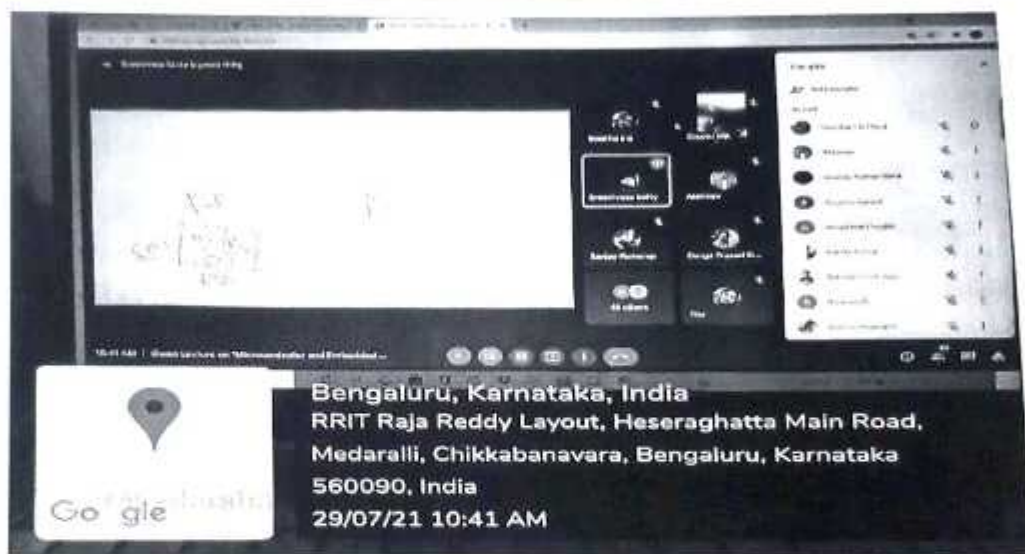
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Gallery of "Microcontroller and Embedded systems"  
On 29<sup>th</sup> July 2021



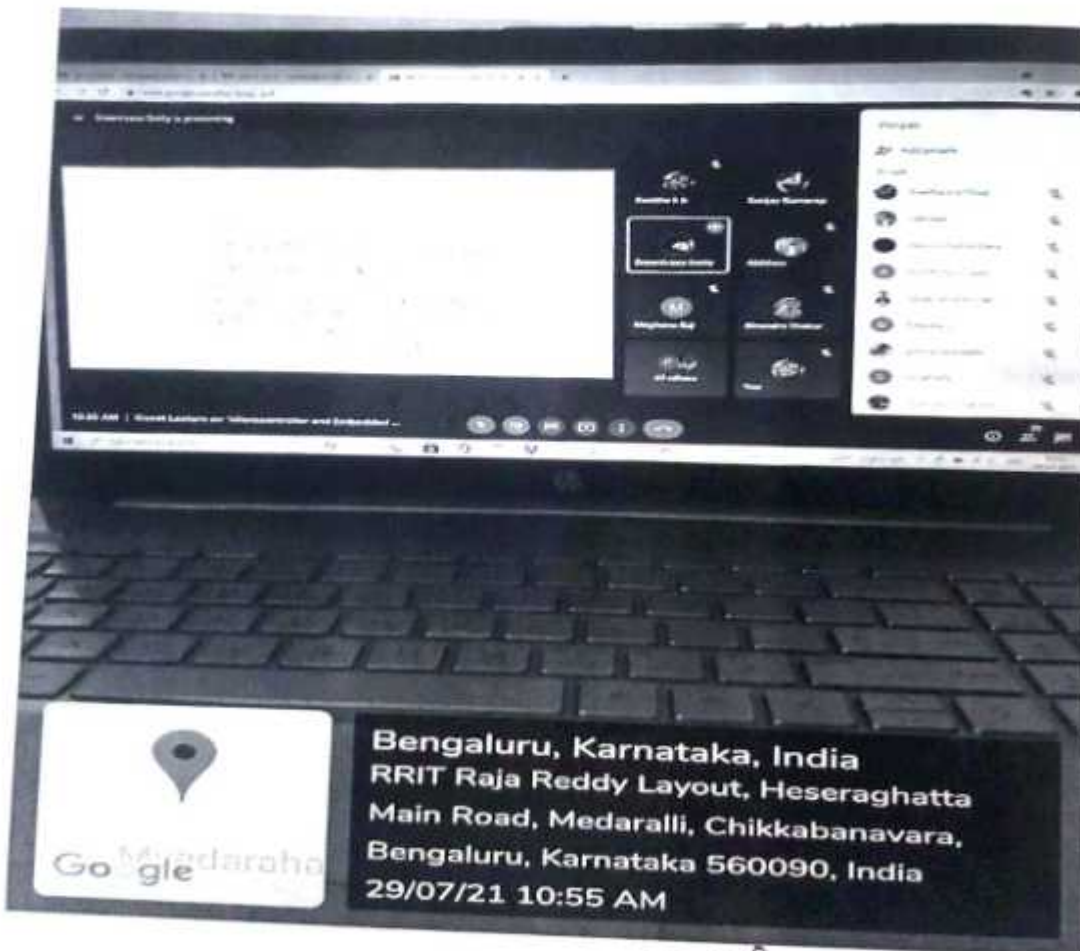
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*Signature*

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 Chikkabanavara, Bangalore - 90.

*Melaha*  
 PRINCIPAL  
**R.R. INSTITUTE OF TECHNOLOGY**  
 Chikkabanavara, Bangalore - 560 090.

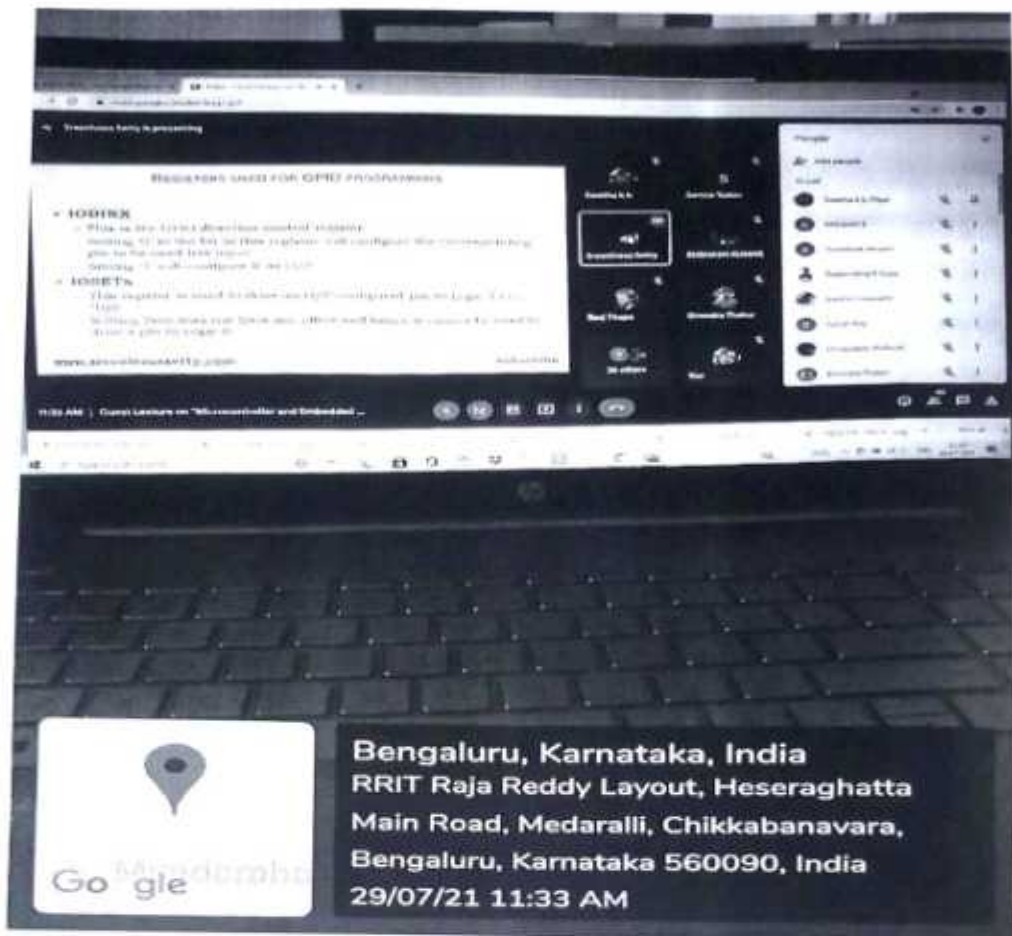




*Dr. H. B.*

*Malah.*  
 PRINCIPAL  
 R.R. INSTITUTE OF TECHNOLOGY  
 Chikkabanavara, Bangalore - 560 090.

AND of Information Science Engineering  
 R.R. Institute of Technology  
 Hosuraghatta Main Road,  
 Chikkabanavara, Bangalore - 90



*P. R. Institute of Technology*

**HOD**

Head of Information Science Engineering  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90

*M. R. Institute of Technology*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) entered on the 7<sup>th</sup> June 2018

By and Between

**LIVEWIRE, Basaveshwaranagar, Bangalore** having its office at #28, HIG, 2<sup>nd</sup> Floor, N. V Arcade, 1<sup>st</sup> Cross, 2<sup>nd</sup> Stage, KHB Colony, Havanur Circle, Basaveshwaranagar, Bangalore - 560 079 (hereinafter referred as "LIVEWIRE" for the sake of brevity) and represented by its **Business Head, Mr Ameet Gogi** (which expression shall mean and include its successors in office and assigns)

and

**R R Institute of Technology** (hereinafter referred as "College" for the sake of brevity), is approved by All India Council for Technical Education (AICTE) Govt. of India and an affiliated to Visvesvaraya Technological University having its campus at Raja Reddy Layout, Heseraghatta Main Road, Chikkabanavara, Bengaluru, Karnataka 560090 and represented by its **Principal** (which expression shall mean and include its successors in office and assigns)

### Objectives of the Collaboration:

1. To provide employable skills to the student during their course at the college.
2. Make the student aware of the latest tools and techniques at an affordable fee in order to keep them *Industry ready* at the end of their course.
3. Maximize placement opportunities for students from all the courses.
4. To build the confidence level of the student to face the challenges of the real time.

This Memorandum of Understanding is to conduct a **Unique, Systematic and Employable Skills Development Program and Internship** for the students of the college towards achieving the objective of maximizing the employable opportunities for students of the College.

This Memorandum of Understanding states the terms and conditions under which the **Trainings** shall be conducted by LIVEWIRE at the College premises and lists herein the respective responsibilities of both parties.

**PREAMBLE:**

For a student to be recruited by a good company, over and above the subject knowledge, he/she is expected to have the following:

1. Strong Fundamental Engineering Knowledge
2. Engineering related Multiple Technical Skills - Develop skills that add value.
3. Communication & other Soft Skills

While Subject Knowledge would be provided by the college, LIVEWIRE will equip the students with required industry specific technical, project management and people skills.

On one hand, thousands of unemployed Engineering graduates are not finding suitable jobs, while on the other hand, Industry requires millions of young minds at all levels but are unable to find the right candidates. This is because of the skill gap that exists between academic institutions and industry requirements. This skill gap is sought to be minimized for the students of the "College" by facilitating them to acquire the appropriate and relevant skills at the college itself.

Through this collaboration, LIVEWIRE will prepare the students of the "College" to be ready for industry by the time they enter the final semester and for this the students have to be nurtured and trained in different areas from the very beginning. Keeping in mind the academic program and the progressive skill development cycle in mind, the programs are spread across their semesters.

**LIVEWIRE Shall Provide**

- The required trainers for the course and the training program would be Instructor led.
- Comprehensive LIVEWIRE reference books to all students for each course as part of the course.
- Periodical assessment on the progress of students for their further improvements.
- The 'Certificate of Completion' to every student who successfully completes the training program every semester.



- "Certificate of Association" from LIVEWIRE to the college
- Provide Permission to use LIVEWIRE logo as the Skill Development Partner
- Organize Campus and Off-Campus interviews for the final year students based on the requirements for LIVEWIRE and its clients
- Welcome College to use LIVEWIRE, strategically based on the need

#### ***The College Shall Provide***

- The required number of computer systems in the lab and other required infrastructure for the practice and its maintenance.
- The Class rooms with LCD projector for the theory classes.
- The Schedule with the classes for this training during normal hours of the college.
- The supports to ensure, all students in a class, attend the training programs scheduled for them.
- Disciplinary support for the smooth conduct and timely completion of the entire course.

#### ***PARTICIPANTS:***

The participants would be of B.E Information Science branch students.

#### ***COURSE CONTENTS***

LIVEWIRE in consultation with the College shall finalize the course contents for the skills development program.

#### ***TIME SCHEDULE***

The program(s) will be conducted during the college working hours. The students will be divided into batches, depending on the total strength based on requirements.

*Mahesh*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

**LINK OFFICER**

The Principal of the College shall appoint a Link Officer from each department for the duration of the program, who shall liaise with LIVEWIRE and make the training process learner-friendly and effective. LIVEWIRE shall work in close relationship with the Link Officer, who in-turn shall keep a close touch with the students. In the event of any difference of opinion between LIVEWIRE and the Link Officer, the matter should be referred to the **Principal of the College**, whose decision thereon shall be final and binding on both the parties.

**COURSE FEES & PAYMENT PATTERN**

The course fee per student for each course offered is decided and mutually agreed upon by both the parties. The College shall collect the course fee from the students and pay to LIVEWIRE.

**VALIDITY**

This Memorandum of Understanding shall come into effect from 7<sup>th</sup> June 2018 to 6<sup>th</sup> June 2021

Forwarded from department of Information Science to Principal

For: R R Institute of Technology

For: R R Institute of Technology

For: LIVEWIRE

Name: Dr. M. S. Marjunatha

Name: Dr. Madhu B.K.

Ameet Gogi

Designation: Principal

Designation: HOD

Name: Ameet Gogi

Designation: Business Head

Date: 07/06/18

Date: 07. 06. 18

Date: 07/06/2018

Department of Information Science Engineering  
**R.R. Institute of Technology**  
Heeraraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

M. S. Marjunatha  
PRINCIPAL  
**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



RRIT/ISE/GEN/2019-20/03/007

Date: 31/08/2019

## Technical Seminar On "Emerging Trends and Latest Technologies in IT"

Department organized one day **Technical Seminar On Emerging Trends and Latest Technologies in IT** on August 30<sup>th</sup> 2019. The program started with the scope of attending seminar by Principal Dr.Srinivas G Bhat, myself Prof. Emmanuel Rajarathnam ISE HOD and all the Faculties of ISE Dept..

An introduction was given by Ms.Vachana 3<sup>rd</sup> Sem ISE, followed by welcome speech given by Ms. Martha S 5<sup>th</sup> Sem ISE. Later Invocation song was sung by Ms. Aishwarya Rao 7<sup>th</sup> Sem ISE. A brief motivation speech was given by our beloved Principal Dr. Srinivas G. Bhat

The session was later handled by Mr. Subhas IT Consultant LIVEWIRE.

The session was about **Emerging Trends and Latest Technologies in IT**. In this session the speaker explained about the scope of new technologies like Internet of Things(IOT), Artificial Intelligence (AI), Machine Learning (ML) and Data Science. He also gave the importance of PYTHON Programming and R programming Languages to built the above said Domain. The Speaker also explained about the need of Engineers in IT infrastructure Services and Cloud Computing. The session was very interactive since lots of queries from the students were discussed.

Finally the session was winded up with Vote of thanks by Ms. Pooja 3<sup>rd</sup> Sem ISE, followed by taking feedback from students.

*EM*  
HOD 31/8/19

HOD of Information Science Engineering  
R.R. Institute of Technology  
Heesarghatta Main Road,  
Chikkabanavara, Bangalore - 560 090.

*Malavika*

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Chikkabanavara, Bangalore - 560 090.



Since 1993

PKM Educational Trust

# R. R. Institute of Technology

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Accredited by NAAC with 'B'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Information Science & Engineering



Shot on Y15  
Vivo AI camera

*[Handwritten Signature]*  
31/8/19

HOD of Information Science Engineering  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

*[Handwritten Signature]*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.





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Information Science & Engineering



*[Handwritten Signature]*  
31/8/19

HO/D of Information Science Engineering  
R.R. Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bangalore

*[Handwritten Signature]*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

R.R INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INFORMATION SCIENCE AND TECHNOLOGY

SEMINAR ON

**"EMERGING TRENDS AND LATEST TECHNOLOGIES IN IT"**

Attendance:

Date: 30<sup>th</sup> AUGUST, 2019

SI.NO	NAME OF THE STUDENT	SEMESTER	SIGN
1	POJA TIWARI	7 <sup>th</sup>	<i>Puja</i>
2	RUBINA SHRESTHA	7 <sup>th</sup>	<i>Rubina</i>
3	Nayana.P	3 <sup>rd</sup>	<i>Nayana</i>
4	Purushotham Sharma R	3 <sup>rd</sup>	<i>Purusham</i>
5	Jankvi Nadgir	3 <sup>rd</sup>	<i>Jankvi</i>
6	Mohammed Basim.K	2 <sup>nd</sup>	<i>Basim</i>
7	Adarsh.D	2 <sup>nd</sup>	<i>Adarsh</i>
8	MOIN ANSARI	3 <sup>rd</sup>	<i>Moin</i>
9	Balkrishna	3 <sup>rd</sup>	<i>Balkrishna</i>
10	Faiz	3 <sup>rd</sup>	<i>Faiz</i>
11	Ranjit	3 <sup>rd</sup>	<i>Ranjit</i>
12	Jawad	3 <sup>rd</sup>	<i>Jawad</i>
13	MARTHA S	5 <sup>th</sup>	<i>Martha</i>
14	Shweta	5 <sup>th</sup>	<i>Shweta</i>
15	S. Aishwarya. Rao	7 <sup>th</sup>	<i>Aishwarya</i>
16	Varsha K	7 <sup>th</sup>	<i>Varsha</i>
17	Kavya C	7 <sup>th</sup>	<i>Kavya</i>
18	Jayanth. CR	7 <sup>th</sup>	<i>Jayanth</i>
19	Keerthana.T.J	5 <sup>th</sup>	<i>Keerthana</i>

*Melank.*

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SI.NO	NAME OF THE STUDENT	SEMESTER	SIGN
20	Koupa D.U	5 <sup>th</sup>	
21	Vinudha. G.S.	8 <sup>th</sup>	
22	Seelsha. S	5 <sup>th</sup>	Seelsha
23	NIVEDA.R	7 <sup>th</sup>	
24	YASHASHWANT.R	7 <sup>th</sup>	Yashashw R.
25	BINDUSHREE .B.S	7 <sup>th</sup>	
26	DHANANATHA.M	7 <sup>th</sup>	Dhananath M.
27	Swati	3 <sup>rd</sup>	Swati
28	Moxium	3 <sup>rd</sup>	
29.	Pooja. J	3 <sup>rd</sup> Semester	
30.	Vaishana deepthi. M	3 <sup>rd</sup> Semester	
31.	Amit DebBarma	3 <sup>rd</sup> Semester	Amit
32.	Lalan kumar	3 <sup>rd</sup> sem	
33.	Dinesh Sharma	3 <sup>rd</sup> Sem	
34.	Abhinav	3 <sup>rd</sup> sem	
35.	Debjyoti Mondal	3 <sup>rd</sup> sem	
36.	Del Gurung	7 <sup>th</sup> sem	
37	Sadip Karki	7 <sup>th</sup> sem	
38.	Ranjan K.C.	7 <sup>th</sup> sem	
39	Rajendra Tharay	7 <sup>th</sup> sem	
40.	Ichchha Parajuli	7 <sup>th</sup> sem	
41.	Ashish Acharya	7 <sup>th</sup> sem	
42.	R. Kruthika	7 <sup>th</sup> sem	
43	Swathi. R .	7 <sup>th</sup> sem	

R.R INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INFORMATION SCIENCE AND TECHNOLOGY

SEMINAR ON

**"EMERGING TRENDS AND LATEST TECHNOLOGIES IN IT"**

Attendance:

Date: 30<sup>th</sup> AUGUST, 2019

SI.NO	NAME OF THE STUDENT	SEMESTER	SIGN
44	Ranjitha .V	7 <sup>th</sup> Sem	Ranjitha
45	Arasan .J	7 <sup>th</sup> Sem	Arasan
46	Mithun .K	5 <sup>th</sup> Sem	Mithun
47	Rohith .T	1 <sup>st</sup> Sem	Rohith
48	Aadash K.Singh	5 <sup>th</sup> Sem	Aadash
49	VALENSU MANDAL	5 <sup>th</sup> Sem	Valensu
50	Dipendra C. Mahato	5 <sup>th</sup> Sem	Dipendra
51	sujeet kumar choudhary	5 <sup>th</sup> Sem	Sujeet
52	Ajesh Mahato	7 <sup>th</sup> Sem	Ajesh
53	Sushant Bhusal	7 <sup>th</sup> Sem	Sushant
54	*Samir Paudyal	7 <sup>th</sup> Sem	Samir
55	Aayush Gautam	5 <sup>th</sup> Sem	Aayush
56	Shaylesh Man Nakarmi	7 <sup>th</sup> Sem	Shaylesh
57	Sibam Mallick	7 <sup>th</sup> Sem	Sibam
58	Mohammad Irfan musalman	7 <sup>th</sup> Sem	Mohammad
59	Madhav Baiju	7 <sup>th</sup> Sem	Madhav
60	Sanjay Senchay	7 <sup>th</sup> Sem	Sanjay
61	Saurabh Kandel	7 <sup>th</sup> Sem	Saurabh
62	Shantharuban	7 <sup>th</sup> Sem	Shantharuban

*M. Lakshmi*

PRINCIPAL





सत्यमेव जयते

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Government of Karnataka

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Please write or type below this line

### Memorandum of Understanding

This agreement is made on 15/7/2022



(Hereinafter referred to as the R R INSTITUTE OF TECHNOLOGY) Statutory Alert.

- The authenticity of this Stamp certificate should be verified at [www.e-stamp.com](http://www.e-stamp.com) or using e-Stamp Mobile App or MCA 21 Portal.
- The onus of checking the legitimacy is on the users of this certificate.
- In case of any discrepancy please inform the Competent Authority.



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 Chikkabanavara, Bangalore - 560 090  
 (Hereinafter referred to as the MEDINI TECHNOLOGIES)



The MoU is to support and accommodate the industry experts in academics to keep updated the needs of the industry to the upcoming generation regularly & on time. So, the gap between Industry & Academia will be bridged.

Now, this agreement witness as follows:

01. The R R INSTITUTE OF TECHNOLOGY is an education institute conducting the technical programs as mentioned on the college website <https://www.rrit.ac.in/>.
02. The MEDINI TECHNOLOGIES is a registered company for design services & the School of Design. Working for many of the Pvt. and government organisations on their designs. MEDINI TECHNOLOGIES is also a Training, Certification & Academic partner of Autodesk, Bentley & Trimble SketchUp. And the MEDINI TECHNOLOGIES has also partnered with a PMI Global Registered Provider for Project Management.



03. Medini Technologies also have an MoU with AICTE for bridging Academia & Industry. Which in turn support the technical institutes for skill development and internships.
04. The MEDINI TECHNOLOGIES will support the R R INSTITUTE OF TECHNOLOGY for bridging academia and industry by providing necessary software's of Autodesk & Trimble as the MEDINI TECHNOLOGIES is an Academic partner, which will support their students to accommodate themselves in the industry. All the details of software installations will be mailed by MEDINI TECHNOLOGIES, which can be used for any kind of accreditations or inspections such as LIC, NAAC, NBA, COA etc.

R R INSTITUTE OF TECHNOLOGY permits MEDINI TECHNOLOGIES to handle all the communication relating to the software's which is from the above-mentioned companies. Both the party assures that the software installed by MEDINI TECHNOLOGIES will be used only by them (R R INSTITUTE OF TECHNOLOGY & MEDINI TECHNOLOGIES). By any chance no other organisation is authorized to use the software's.

05. Hereon both parties will be called as EDUPHYGITAL Partner with which R R INSTITUTE OF TECHNOLOGY permits MEDINI TECHNOLOGIES to conduct programs related to industry requirements.

*Mahesh*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 099,

Bridging Academia & Industry.

*Mallik*



06. To keep the MoU active, minimum 3 programs has to be conducted every year, this will build strong relation with industries, keep up to date students on latest trends and align the industry standards and build the brand of the students with their skills. The programs will bridge the gap between industry and academia.

**MEDINI TECHNOLOGIES** assures the quality industry-oriented program & will play a role of mentor for all kind of programs related to digitalisation, skill development, internships and placement services.

Programs include Training Program on BIM for Infrastructure, BIM for Construction, BIM in Architecture, Digital Transformation in Construction Industry, Digital transformation in manufacturing industry, Product Design, Analysis, Software training etc.

**Duration, commercials and number of students involved for the training and other events will be discussed mutually and taken forward.**

07. **R R INSTITUTE OF TECHNOLOGY** assures that no commercial projects or activities will be done by them on the software provided by **MEDINI TECHNOLOGIES**.

08. Both the parties make sure that they will not approach or recruit any employees of respective organization.

09. **DURATION**- The duration of this Agreement shall be for the period of **4 years** from July 2022 to July 2026. If not renewed or amended after 4 years, in writing the same shall be considered as expired or terminated.

10. **MEDINI TECHNOLOGIES** will accommodate itself to formulate the curriculum, programs & evaluations, which will support the department for internships, placements & self-branding of the students.

All the programs planned will be concerning the need of the industry.

11. **R R INSTITUTE OF TECHNOLOGY** will assign a Co-Ordinator for regular interaction and program functioning.

This has to be given by HoD on letterhead of each department.

Name:

Designation:

Contact Details: Phone No:

Email ID:

Any changes in this will be intimated in a letter or mail in future also.

12. Mr. Pradeep Kallur, Managing Director, **MEDINI TECHNOLOGIES**, who is even a member of NEAT, AICTE for evaluation, will be the mentor and Digital Program Coordinator for the complete program at the **R R INSTITUTE OF TECHNOLOGY**.



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Chikkabanavara, Bangalore - 560 090.

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The institute will assign a mail ID for the complete set of program, so the licenses and all the communication will be run through the same email id with cc to the college coordinators and head. Medini Technologies assures that, It will not be used for any other purpose apart from the programs mentioned in this MoU. (Example: map@iitbbs.ac.in, where map stands for Medini Academic Partner).

13. First party will provide the details of students from 2<sup>nd</sup> year to final year till the MoU continues, which will help the second party to transfer the information of industry requirement and regular events of industries which will include seminars, workshops, conferences, internships etc. directly/through department/through placement officers. And even to support them for the licenses. The head of the department will be a signing authority for all the documents related to licenses and for approvals.
14. Any alteration, addition or modification on this agreement shall be in writing and signed by both the parties.

Addressed to:

<b>R R INSTITUTE OF TECHNOLOGY</b> Raja Reddy Layout, Heseraghatta Main Road, Near Chikkabanavara Railway Station, Chikkabanavara Bangalore – 560 090 <a href="https://www.rrit.ac.in/">https://www.rrit.ac.in/</a>	<b>MEDINI TECHNOLOGIES</b> #2943/E, Opp Maruti Mandir, Service Road, Maruti Complex Vijayanagar. Bengaluru 560040 Karnataka, INDIA Ph:080-23301005 <a href="http://www.medini.in">www.medini.in</a>
--	--


15. The parties hereto acting themselves or through representatives duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

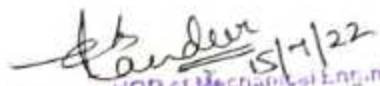
  
Er. Pradeep Kallur  
Managing Director  
MEDINI TECHNOLOGIES



  
Er. Abhinandan Kabbur  
Director  
MEDINI TECHNOLOGIES

  
Er. Mohan Kumar K  
Head Operations India  
MEDINI TECHNOLOGIES

  
Dr. Mahesh Prasad  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090,

  
15/7/22  
Dr. Channabasavaraj  
HOD of Mechanical Engineering  
Head  
H.H. Institute of Technology  
Department of Mechanical Engineering  
Heseraghatta Main Road,  
Chikkabanavara

  
15/7/22  
Dr. G Sankara  
Head  
Department of Civil Engineering  
H.H. Institute of Technology  
Heseraghatta Main Road,  
Chikkabanavara



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Dept. Of Civil Engineering

-PKM Educational Trust®

## ORGANIZING COMMITTEE

### Chief Patron

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

**Sri Arun H.R.**  
Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**  
Director QAC -R. R. Institutions

### Chair Person

**Dr. Mahendra K V.**  
Principal- RRIT Bengaluru

### Organising Secretary

**Dr. G SANKARA**  
Prof and Head,  
Civil Engineering Department

### Organising Committee Members

**Prof. Girish G** *G.G.G.*  
**Prof. Abhishek M** *M. Abhishek.*  
**Prof. Sushma R K** *S.R.K.*

### Student Members

**Mr. Ujwal Khanal**  
**Mr. Sham Prasad Yadav**  
**Ms. Chinmayi**

## Department Of Civil Engineering

Cordially invites all students for

One Day Workshop

On

**"Advance Auto CAD"**

On 16<sup>th</sup> December 2022

at

10.30AM to 01.00 PM

&

2.00 PM to 04.30 PM.

### CHIEF GUEST

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

### GUEST OF HONOR

**Sri Arun H.R.**  
Director, PKMET, Bengaluru

### TRAINER

**Mohan Prabhu M**

Technical Head  
MEDINI technologies

*Mahendra K V.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*Mahendra K V.*  
Signature

Dr. Mahendra K V

PRINCIPAL



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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Dept Of Civil Engineering

Date: 17/12/2022

## Report on “One Day Workshop on Advanced CAD”

One day workshop on “Advanced CAD” was organized by Department of Civil Engineering on 16<sup>th</sup> December 2022 in association with MEDINI Technologies, Bengaluru, at CAD Lab, Civil Block.

The Programme begins with welcoming the trainer Mr. Mohan Prabhu M, Technical Manager, MEDINI Technologies, Bengaluru by Prof. Girish.G. Prof. Ranganathan B A brief about significance of the day.

The Objectives / Topics covered in Power Point Presentation and Activities:

- To achieve skill sets to prepare computer aided engineering drawings
- To visualize the completed form of the building and the intricacies with advanced tools.
- To make aware of the Scale Factors, Sections of drawings,

### Report on Session

Trainer was clear to the said objectives and a good active interaction with 7<sup>th</sup> sem, civil engineering students. Two sessions held (Morning 10:30AM to 1:00pm and 2:00 pm to 3:30PM) at the Civil Department CAD Lab, with hands on training for the students. Positive responses and active participation have been seen in the work shop. Finally session was end with RRIT memento as token of gratitude by Prof.Ravi Patil in presence of Civil Engineering faculties.

Photos with caption:



Figure 1: Welcoming the Speaker



Figure 2: About the workshop



Figure 3: Addressing the students



Figure 4: Significance of the event by convenor

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Dept Of Civil Engineering



Figure 5: Speaker in session



Figure 6: Group Photo with Students and faculties.

Total Number of Participants: 36  
Number of Students: 32  
Number of faculties: 4

Overall feedback of the event:

A satisfactory responses were there from participants and organising committee members.

Organising committee

*G. S. G.*

*[Signature]*  
HOD  
HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090

*[Signature]*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka,  
Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabannavara, Bengaluru - 560 090

Department of civil engineering

AY:2022-23

Date: 17-12-2022

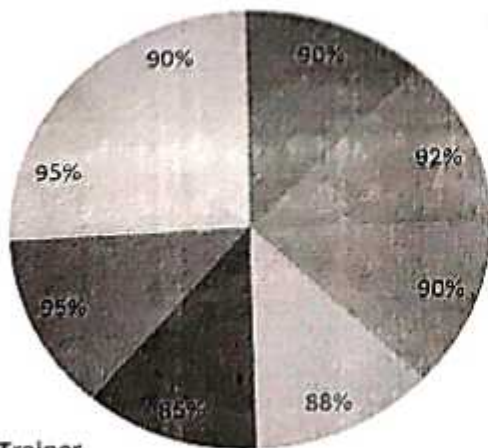
Feedback on the Events on by Participants

## One Day Workshop on Advanced CAD by MEDINI TECHNOLOGIES On 16/December/2022

Sl.No	Parameters	Scored	Remarks	
			Course Code	CO No
1	Can you Prepare, read and interpret the drawings in CAD	90%	18CVL37	1
2	Can you remember the procedures of submission of drawings	92%	18CVL37	2
3	Can you develop working and submission drawings for building	90%	18CVL37	2
4	Can you Plan and design a residential or public building as per the given requirements.	88%	18CVL37	3
5	Can you Prepare detailed working drawings	85%	18CVL76	1
6	Speaker is well known knowledgeable person	95%	-	-
7	Is this workshop is benefited for you?	95%	-	-
8	Are you satisfied with the content and topic of this workshop	90%	-	-

## Feedback on One Day Workshop Advanced CAD\_MEDINI Technologies.

Date: 16-December-2022  
Venue: CAD LAB, Civil Block



**Trainer**  
**Mr.Mohan Prabhu M**  
Technical Manager  
MEDINI Technologies  
Bengaluru

- 1 Can you Prepare, read and interpret the drawings in CAD
- 2 Can you remember the procedures of submission of drawings
- 3 Can you develop working and submission drawings for building
- 4 Can you Plan and design a residential or public building as per the given requirements.
- 5 Can you Prepare detailed working drawings
- 6 Speaker is well known knowledgeable person
- 7 Is this workshop is benefited for you?
- 8 Are you satisfied with the content and topic of this workshop

*Mahesh*  
PRINCIPAL

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Chikkabannavara, Bangalore - 560 090.



Since 1993

PKM Educational Trust @

# R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)

Accredited by NAAC

## MEMORANDUM OF UNDERSTANDING

**R R INSTITUTE OF TECHNOLOGY  
BENGALURU**



Since 1993

**BETWEEN**

**CONSTRUCTION MANAGEMENT TRAINING INSTITUTE  
BENGALURU**



*Melach*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

E-mail : rrit@rrinstitutions.com, www.rmit.ac.in, www.rrinstitutions.com

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## **PREAMBLE**

Whereas, RR Institute of Technology Bengaluru -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, Construction Management Training Institute – CMTI is engaged in construction, research, design and development and consultancy in the field of civil engineering and related fields.

WHEREAS, both RRIT and CMTI, now

- Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on civil engineering related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and CMTI hereby acknowledge, RRIT and CMTI hereby agree to sign a memorandum of understanding (MOU).

## **ARTICLE-I: SCOPE OF THE MOU**

This MOU details the modalities and general conditions regarding collaboration between RRIT and CMTI for enhancing, within the country, the availability of highly qualified manpower in the areas of civil engineering without any prejudice to prevailing rules and regulations in RRIT and CMTI. The areas of cooperation can be extended through mutual consent.

*M. Lalitha*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

## ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

Both RRIT and CMTI shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at CMTI.
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by CMTI on mutually agreeable terms.
- e) CMTI would accommodate B.E. students in such a number that CMTI deems convenient to it for the purpose of imparting industrial training.
- f) CMTI may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) CMTI personnel, as well as research scholars, may also be allowed to enroll for their Ph.D. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, CMTI may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.
- h) CMTI may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
- j) CMTI may showcase its business activities at the seminar/workshop/conference, etc. at RRIT.
- k) CMTI may avail library, Internet, computational facilities at RRIT
- l) Post-graduate student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at CMTI may be appointed a Co- research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech (Regular or Research) degree at RRIT. The student may be encouraged to take up the project such that CMTI desirably benefits from its outcomes.

*M. Lakshmi*  
PRINCIPAL


**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



- m) The students will carry out part of their Ph.D. research work or M.Tech./B.Tech project at RRIT and CMTI depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- n) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- o) Both RRIT and CMTI will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- p) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- q) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- r) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- s) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

### ARTICLE-III: SHARING OF FACILITIES

- a) RRIT and CMTI shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and CMTI shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and CMTI shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

#### **ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS**

- a) The collaborative programme between RRIT and CMTI shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
- b) Financial arrangements for each specific collaboration will be decided on a case- to-case basis and brought on record in each case after due approval from heads of both the Institutions.

#### **ARTICLE-V: EFFECTIVE DATE AND DURATION OF MOU**

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of **5** years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of Construction Management Training Institute – CMTI and RRIT.

#### **ARTICLE-VI: IPR**

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

#### **ARTICLE-VII: CONFIDENTIALITY**

- a) During the tenure of the MOU both RRIT and CMTI will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.
- b) Both RRIT and CMTI shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.
- c) Further both RRIT and CMTI shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanevara, Bangalore - 560 090.

**CONFIDENTIAL INFORMATION** shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) Is or becomes publicly available through no fault of the receiving party,
- (b) Is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) Is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) Is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) Is disclosed with the written consent of the party whose information it is, or
- (f) Is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

#### **ARTICLE-VIII: AMENDMENTS**

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

#### **ARTICLE-IX: RESOLUTION OF DISPUTES**

- a) This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Bengaluru.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

*Melaha*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

## ARTICLE-X: MISCELLANEOUS

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- b) Both RRIT and CMTI shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.
- d) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

**Dr. Mahendra K V**  
**Principal**  
R R Institute of Technology  
Bengaluru – 560090

**PRINCIPAL**

**R. R. INSTITUTE OF TECHNOLOGY**  
Chikkabanevara, Bangalore-560 90

**Dr. Sankara G**  
**Professor & Head**  
Department of Civil Engineering  
R R Institute of Technology  
Bengaluru – 560090

**Co-ordinator:**

**Mr. Ravi Patil**  
**Assistant Professor**  
Department of Civil Engineering  
R R Institute of Technology  
Bengaluru - 560090

**K B NATARAJAN**  
**Principal**  
Construction Management Training  
Institute – CMTI  
Bengaluru - 560011

**PRINCIPAL**  
**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanevara, Bangalore - 560 090.

# R. R. Institute of Technology

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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

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Department of Civil Engineering

## ORGANIZING COMMITTEE

Date: 27/06/2022

### Chief Patron

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC –R. R. Institutions

### Chair Person

**Dr. Mahendra K V**

Principal- RRIT Bengaluru

### Organising Secretary

**Dr. G Sankara**

HOD, Civil Department

### Organising Committee Members

**Prof. R S Patil**

AsstProf, Civil Department

**Prof. Girish G Shetty**

Asst Prof, Civil Department

**Prof. Veerabhadragouda Patil**

Asst Prof, Civil Department

### Student Members

**Ms. Sophia Grace**

**Mr. Lehanath Adhikari**

**Ms. Ramya T L**

**Mr. Manahar Nishad**

## Department of Civil Engineering

Cordially invites all students and faculties for

Career development program on

## Advance construction management

In association with Construction Management and  
Training Institute (CMTI)

4<sup>th</sup> July 2022

Time: 2:00 PM

Venue: Seminar Hall, Civil Block, RRIT.

### CHIEF GUEST

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

&

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### RESOURCE PERSON

**Mr K B Natarajan**

Construction Management Expert,

CMTI, Bangalore.

HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bengaluru

*Handwritten Signature*

Signature

Dr. Mahendra K V

R.R. INSTITUTE OF TECHNOLOGY  
PRINCIPAL

## Contact

3, SWASTIK APARTMENT, A  
BLOCK, F 2, 1ST FLOOR, 1ST  
MAIN, 1ST CROSS, MARUTHI  
LAYOUT, VASANTHAPURA,  
BANGALORE - 560061,  
KARNATAKA, INDIA  
9611515275 (Home)  
natarajan.balu@rediffmail.c  
om

[www.linkedin.com/in/kozunjavadi-  
balu-natarajan-193b8754](http://www.linkedin.com/in/kozunjavadi-balu-natarajan-193b8754)  
(LinkedIn)

## Top Skills

Renovation  
Construction Management  
Contractors

## Languages

ENGLISH, KANNADA, HINDI, TAMIL, OR  
AND BENGALI

# KOZUNJAVADI BALU NATARAJAN

Freelancing / Constn Managemt / online/ offline classes / students/  
Professionals / M/s Prayojana CMTI, BANGALORE.

Bengaluru

## Summary

Experienced Project Manager with a demonstrated history of working in the construction industry. Skilled in Process Scheduler, Value Engineering, Contractors, Project Estimation, and Renovation. Strong operations professional with a DIPLOMA focused in CIVIL ENGG., from GOVT.POLYTECHNIC, CHANNAPATNA, KARNATAKA. Recently taken up Construction Management by profession. Conducting online/offline classes for Engineering students/Professionals through Prayojana Construction Management Training Institute, Bangalore since 3 years

## Experience

Outsourcing works in and around Bangalore - Civil Engineering  
April 2018 - Present (4 years 3 months)

Bangalore, Karnataka, India

Currently doing Freelancing works like site visits, BOQ and bill preparation and checking, PMC in and around Bangalore

SREE BALAJI REALTORS, BANGALORE SINCE 3.5 YEARS  
SR. PROJECT MANAGER

April 2014 - April 2018 (4 years 1 month)

BANGALORE, INDIA


Arya Group of Companies

Project Manager Civil

February 2011 - March 2014 (3 years 2 months)

Bangaluru, Karnataka

Incharge of residential and commercial Projects. Execution, client/consultant coordination, leading a team of Engineers and supervisors. Completed 5,00,000 sft area of execution. Client billing, Programming with MS Project and Procurement process is added responsibilities.

  
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Since 1993

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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Civil Engineering

## Department of Civil Engineering

### Schedule of Program "Career development program on "Advance Construction Management"

Sessions	Date and Time	Topics Covered.
Session-1	04/07/2022-1:05 PM to 3:00PM	<b>Introduction on Intellectual property Rights</b> - in Construction Management- Present trends in Construction activities.
<b>Break Time -3:00PM to 3:20PM</b>		
Session 2	04/07/2022-3:20PM to 4:30PM	<b>Project Management-</b> Estimation, Present trending Software's in Civil Fields,

Prof. R S Patil

Prof. Girish G

Co-ordinators

Dr. G Sankara

HOD

HOD Civil Engg  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bengaluru - 560 090

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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Civil Engineering

Date: 05-07-2022

### Career development program On "Advance construction management" 4<sup>th</sup> July 2022

Department of Civil Engineering organized career development program "Advance Construction Management" on 4<sup>th</sup> July 2022, 1.05 PM to 4.30 PM in association with Construction Management and Training Institute (CMTI), Bangalore. This program helped students of RRIT to know the scope of construction management. This program is the part of MOU with CMTI, Bangalore. Mr. K B Natarajan, from CMTI was the guest speaker for the session which highlighted the present trends in the project updating, scheduling, quantity survey and assurance, material management and use software's related to estimation, project management, highway etc.. Quiz was conducted by Ms. Aruna, project management training associate from CMTI and prizes were distributed for winners.

Prof. & Head, Department of Civil Engineering, Dr. G Sankara, presided the event. The program was organised by Prof. Ravi Patil, Prof. Veerabhadragouda P Patil and Prof. Girish G, Department of Civil Engineering.

Students from 4<sup>th</sup> & 6<sup>th</sup> Semester Civil Engineering Department participated in the program.

#### Photo Gallery



*M. Sankara*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.





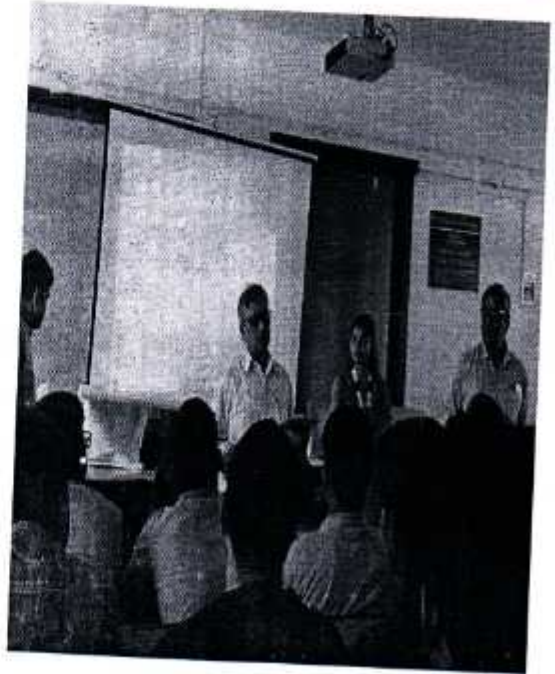
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Department of Civil Engineering



  
Co-ordinators

  
**HOD Civil Engg.**  
**R.R. INST. OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090

  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



Date: 04-07-2022

**Career Development Program "ADVANCE CONSTRUCTION MANAGEMENT"**

Sl No	USN	Name of Student	Signature
1	1RI20CV402	SOPHIA GRACE CHEYRMANGI	
2	1RI19CV020	NHARIKA N	
3	1RI18CV350	ARJUN N SHAH	
4	1RI18CV018	HEMANTH GOWDA R	
5	1RI19CV004	BINAY KUMAR CHAUDHARY	
6	1RI19CV007	CHARAN U	
7	1RI19CV013	LEKHNATH ADHIKARI	
8	1RI19CV018	MOJIMMED YASIN	
9	1RI19CV025	SANDESH KUMAR YADAV	
10	1RI19CV032	VARUN B R	
11	1RI20CV401	PINKI MACHHARY	
12	1RI19CV024	RUMA NOATHA	
13	1RI18CV033	RAMYA L I	
14	1RI18CV011	DLV ANAND S	
15	1RI19CV001	ABHINAV RAJ	
16	1RI19CV008	DEHAN BAHADUR PAUL	
17	1RI19CV014	MANAHAR NISHAD	
18	1RI19CV019	NARESH CHAUDEHARY	
19	1RI19CV027	SATISH KUMAR CHAUDHARY	
20	1RI19CV033	VIKAS KUMAR	
21	1RI20CV400	BASHIDA NATALIA LAWPHINAW	
22	1RI19CV028	SNEGWITHUN SHISHA THABAH	
23	1RI19CV002	ANUSHA D S	
24	1RI18CV004	ASHWIN B C	
25	1RI18CV026	MUHAMMAD SIAKIR	
26	1RI19CV005	BIPUL KORAI A	
27	1RI19CV011	JAY PRAKASH	
28	1RI19CV015	MANISH KUMAR THAKUR	
29	1RI19CV029	SUJIT KUMAR BARIH	
30	1RI19CV034	YASHIWANTH K	
31	1RI18CV423	PRAHUSIL BASNET I	
32	1RI19CV030	SUMIT S	
33	1RI19CV016	MANJU SURET M	
34	1RI19CV021	NIYAZ ANSARI	
35	1RI18CV043	TENZIN PHURPA JOMA	
36	1RI19CV006	BIR BAHADUR TAMANG	
37	1RI19CV012	LAV KUMAR SINGH	
38	1RI19CV017	MD TAUSIF REZA ANSARI	
39	1RI19CV022	R LALBI ATSAHIA	
40	1RI19CV031	UJJWAL KHANAI	

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Chikkabanavara, Bangalore - 560 090.

04-07-22





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# R R Institute of Technology

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Accredited by NAAC

## MEMORANDUM OF UNDERSTANDING

BETWEEN

**R R Institute of Technology, Bengaluru 560090**

AND

**Reliable Consultants and Constructions**

*Mahesh*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



## PREAMBLE

Whereas, R R Institute of Technology, Bengaluru -560090 at its various Engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, **Reliable Consultants and Constructions (RCC)** is engaged in Construction, Design and Development and consultancy in the field of **Civil Engineering** and related fields.

WHEREAS, both R R I T and R C C, now

- Recognizing the importance of research and development in the areas of Civil Engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to **Civil Engineering**
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on Civil Engineering related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both R R Institute of Technology and Reliable Consultants and Constructions hereby acknowledge, R R Institute of Technology and Reliable Consultants and Constructions hereby agree to sign a memorandum of understanding (MOU).

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**ARTICLE-I: SCOPE OF THE MOU**

This MOU details the modalities and general conditions regarding collaboration between R R Institute of Technology and Reliable Consultants and Constructions for enhancing, within the country, the

availability of highly qualified manpower in the areas of Civil Engineering without any prejudice to prevailing rules and regulations in R R Institute of Technology and Reliable Consultants and Constructions. The areas of cooperation can be extended through mutual consent.

**ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS**

Both R R Institute of Technology and Reliable Consultants and Constructions shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars.
- c) Practical training of R R Institute of Technology students at Reliable Consultants and Constructions.
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of National interest at R R Institute of Technology by Reliable Consultants and Constructions on mutually agreeable terms.
- e) Reliable Consultants and Constructions would accommodate B.E., Students who have completed the 6th semester of their programme in such a number that Reliable Consultants and Constructions deems convenient to it for the purpose of imparting industrial training.
- f) Reliable Consultants and Constructions may depute its personnel as visiting faculty at R R Institute of Technology to teach any of the regular Course or specialized topics.

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- g) Reliable Consultants and Constructions may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises. The student maybe encouraged to take up the project such that Reliable Consultants and Constructions desirably benefits from its outcomes.
- h) Reliable Consultants and Constructions may seek assistance/guidance of R R Institute of Technology faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
- j) Reliable Consultants and Constructions may showcase its business activities at the seminar/workshop/conference, etc. at R R Institute of Technology
- k) Reliable Consultants and Constructions may avail library, Internet, computational facilities at R R Institute of Technology
- l) The students will carry out part of their B.Tech. project at R R Institute of Technology and Reliable Consultants and Constructions depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- m) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- n) Both R R Institute of Technology and Reliable Consultants and Constructions will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- o) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing

*M. S. S.*  
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such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.

p) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.

q) Neither of the supervisors will publish the work carried out under this MoU

Without knowledge of the other.

r) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. Would be spelt out clearly before starting the activity.

#### **ARTICLE-III : SHARING OF FACILITIES**

- a) R R Institute of Technology and Reliable Consultants and Constructions shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) R R Institute of Technology and Reliable Consultants and Constructions shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) R R Institute of Technology and Reliable Consultants and Constructions shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

#### **ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS**

- a) The collaborative programme between R R Institute of Technology and Reliable Consultants and Constructions shall be coordinated by a coordination committee appointed by Directors of both the Institutes.

*M. S. S.*  
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**R.R. INSTITUTE OF TECHNOLOGY**

Chikkabanavara, Bangalore - 560 090. Page 312 of 713





- b) Financial arrangements for each specific collaboration will be decided on a case- to- case basis and brought on record in each case after due approval from heads of both the Institutions.

## ARTICLE-V : EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of Reliable Consultants and Constructions and R R Institute of Technology.

## ARTICLE-VI : I P R

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

## ARTICLE-VII: CONFIDENTIALITY

During the tenure of the MOU both R R Institute of Technology and Reliable Consultants and Constructions will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both R R Institute of Technology and Reliable Consultants and Constructions shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the

  
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disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.

Further both R R Institute of Technology and Reliable Consultants and Constructions shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the

Disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

#### **ARTICLE-VIII : AMENDMENTS**

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the

  
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AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

## ARTICLE-IX : RESOLUTION OF DISPUTES

- a) This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Bengaluru.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

## ARTICLE-X: MISCELLANEOUS

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- b) Both R R Institute of Technology and Reliable Consultants and Constructions shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.

*M. S. S.*  
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# R. R. Institute of Technology

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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Civil Engineering

- d) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHERE OF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

**Proprietor**

Reliable Consultants and Constructions  
Bengaluru

Date

**Principal**

Raja Reddy Institute of Technology  
Bengaluru

Date

13/11/21

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Chikkabanavara, Bangalore-560 090

## Coordinators

Prof. Priyadarshini H P, Assistant Professor,

Prof. Girish G, Assistant Professor,

Department of Civil Engineering

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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



## Certificate of Internship

Date: 27/09/2021

### To Whom So Ever It May Concern

This letter is to certify that **Mr. Raman Dip Mahato**, student of **RR Institute of Technology, Bangalore** has successfully completed his Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **30<sup>th</sup> August 2021** to **25<sup>th</sup> September 2021**.

During the span, we found him punctual and hardworking person. The Feedback and evaluation proved that he learned keenly.

This Internship program was for Civil/Diploma Students from **Reliable Consultants and Constructions, Bangalore** in association with **ParvaM ConsuTech Private Limited, Bangalore**.

We wish him a bright future.

Hanumantha T  
Founder

*Mahadevi*  
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Chikkabanavara, Bangalore - 560 090.



#699/E, 3rd Floor, Maralingappa Complex,  
2nd Stage, 11th Block, Near Kabab Factory,  
Nagarbhavi Layout Bengaluru - 560072



+91 96112-52554  
+91 76766-40502



Info.rccbengaluru@gmail.com  
www.rccbengaluru.com



**Certificate of Internship**

Date: 27/09/2021

To Whom So Ever It May Concern

This letter is to certify that **Mr. MD Imran Ansari**, student of **RR Institute of Technology, Bangalore** has successfully completed his Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **30<sup>th</sup> August 2021 to 25<sup>th</sup> September 2021**.

During the span, we found him punctual and hardworking person. The Feedback and evaluation proved that he learned keenly.

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We wish him a bright future.

Hanumantha T  
Founder

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www.rccbengaluru.com



**Certificate of Internship**

Date: 27/09/2021

**To Whom So Ever It May Concern**

This letter is to certify that **Mr. Bikram Prasad Sha**, student of **RR Institute of Technology, Bangalore** has successfully completed his Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **30<sup>th</sup> August 2021 to 25<sup>th</sup> September 2021**.

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We wish him a bright future.

Hanumantha T  
Founder

*Melish*  
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**Reliable Consultants & Constructions**  
Dedicated to Quality



## Certificate of Internship

Date: 27/09/2021

To Whom So Ever It May Concern

This letter is to certify that Mr. Dharmendra Kumar Sah, student of RR Institute of Technology, Bangalore has successfully completed his Civil Internship program with Reliable Consultants and Constructions - Bangalore. The internship tenure was for 4 weeks starting from 30<sup>th</sup> August 2021 to 25<sup>th</sup> September 2021.

During the span, we found him punctual and hardworking person. The Feedback and evaluation proved that he learned keenly.

This Internship program was for Civil/Diploma Students from Reliable Consultants and Constructions, Bangalore in association with ParvaM ConsulTech Private Limited, Bangalore.

We wish him a bright future.

Hanumantha T  
Founder

*Mahesh*  
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www.rccbengaluru.com





**Certificate of Internship**

Date: 27/09/2021

**To Whom So Ever It May Concern**

This letter is to certify that **Mr. Javed Osta**, student of **RR Institute of Technology, Bangalore** has successfully completed his Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **30<sup>th</sup> August 2021 to 25<sup>th</sup> September 2021**.

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This Internship program was for Civil/Diploma Students from **Reliable Consultants and Constructions, Bangalore** in association with **ParvaM ConsulTech Private Limited, Bangalore**.

We wish him a bright future.

Hanumantha T  
Founder

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www.rccbengaluru.com



**Certificate of Internship**

Date: 04/11/2022

**To Whom So Ever It May Concern**

This letter is to certify that **Mr. Niyaz Ansari**, student of **RR Institute of Technology, Bangalore** has successfully completed her Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **25<sup>th</sup> August 2022 to 25<sup>th</sup> September 2022**.

During the span, we found him punctual and hardworking person. The Feedback and evaluation proved that he learned keenly.

We wish him a bright future.

Hanumantha T  
Founder

*Mahesh*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



**Certificate of Internship**

Date: 04/11/2022

**To Whom So Ever It May Concern**

This letter is to certify that **Ms. Ruma Noatia**, student of **RR Institute of Technology, Bangalore** has successfully completed her Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **25<sup>th</sup> August 2022 to 25<sup>th</sup> September 2022**.

During the span, we found her punctual and hardworking person. The Feedback and evaluation proved that she learned keenly.

We wish her a bright future.

**Hanumantha T**  
Founder

*Melaha*  
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Chikkabanavara, Bangalore - 560 090.



# Reliable Consultants & Constructions

Dedicated to Quality

## Certificate of Internship

Date: 04/11/2022

### To Whom So Ever It May Concern

This letter is to certify that **Ms. Sngewhunshisha Thabab**, student of **RR Institute of Technology, Bangalore** has successfully completed her Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **25<sup>th</sup> August 2022 to 25<sup>th</sup> September 2022**.

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We wish her a bright future.

Hanumantha T  
Founder

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Chikkabanavara, Bangalore - 560 090.



**Certificate of Internship**

Date: 04/11/2022

**To Whom So Ever It May Concern**

This letter is to certify that **Ms. Bashida Natalia lawphniaw**, student of **RR Institute of Technology, Bangalore** has successfully completed her Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **25<sup>th</sup> August 2022 to 25<sup>th</sup> September 2022**.

During the span, we found her punctual and hardworking person. The Feedback and evaluation proved that she learned keenly.

We wish her a bright future.

**Hanumantha T**  
Founder

*Melank*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.



**Certificate of Internship**

Date: 04/11/2022

**To Whom So Ever It May Concern**

This letter is to certify that **Ms. Pinki Machahary**, student of **RR Institute of Technology, Bangalore** has successfully completed her Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **25<sup>th</sup> August 2022 to 25<sup>th</sup> September 2022**.

During the span, we found her punctual and hardworking person. The Feedback and evaluation proved that she learned keenly.

We wish her a bright future.

Hanumantha T  
Founder

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabannavara, Bangalore - 560 090.



## Certificate of Internship

Date: 04/11/2022

### To Whom So Ever It May Concern

This letter is to certify that **Ms. Sophia Grace Chyrmang**, student of **RR Institute of Technology, Bangalore** has successfully completed her Civil Internship program with **Reliable Consultants and Constructions - Bangalore**. The internship tenure was for **4 weeks** starting from **25<sup>th</sup> August 2022** to **25<sup>th</sup> September 2022**.

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We wish her a bright future.

Hanumantha T  
Founder

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PKM Educational Trust ®

# R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)  
**Accredited by NAAC**

## MEMORANDUM OF UNDERSTANDING

**BETWEEN**

*Melash.*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

**RR Institute of Technology, Bengalure 560090**

**AND**

**Akruthi Engineers and Builders**

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.  
Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11  
E-mail : rrit@rrinstitutions.com, www.rrit.ac.in, www.rrinstitutions.com





## PREAMBLE

Whereas, RR Institute of Technology Bengaluru -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, AkruTi Engineers and builders is engaged in construction, research, design and development and consultancy in the field of civil engineering and related fields.

WHEREAS, both RRIT and AkruTi Engineers and builders, now

- Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering.
- Desiring to club their efforts by pooling their expertise and resources.

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on civil engineering related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and AkruTi Engineers and builders hereby acknowledge, RRIT and AkruTi Engineers and builders hereby agree to sign a memorandum of understanding (MOU).

  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**ARTICLE-I: SCOPE OF THE MOU**

This MOU details the modalities and general conditions regarding collaboration between RRIT and AkruTi Engineers and builders for enhancing, within the country, the availability of highly qualified manpower in the areas of civil engineering without any prejudice to prevailing rules and regulations in RRIT and AkruTi Engineers and builders. The areas of cooperation can be extended through mutual consent.

**ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS**

Both RRIT and AkruTi Engineers and builders shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at AkruTi Engineers and builders;
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by AkruTi Engineers and builders on mutually agreeable terms.
- e) AkruTi Engineers and builders would accommodate B.E. students who have completed the 6<sup>th</sup> semester of their programme in such a number that AkruTi Engineers and builders deems convenient to it for the purpose of imparting industrial training.
- f) AkruTi Engineers and builders may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) AkruTi Engineers and builders personnel, as well as research scholars, may also be allowed to enroll for their Ph.D. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, AkruTi Engineers and builders may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses may be run at any mutually convenient premises.
- h) AkruTi Engineers and builders may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.

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- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
- j) Akruti Engineers and builders may showcase its business activities at the seminar/workshop / conference, etc. at RRIT.
- k) Akruti Engineers and builders may avail library, Internet, computational facilities at RRIT
- l) Post-graduate student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at Akruti Engineers and builders may be appointed a Co-research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech (Regular or Research) degree at RRIT. The student maybe encouraged to take up the project such that Akruti Engineers and builders desirably benefits from its outcomes.
- m) The students will carry out part of their Ph.D. research work or M.Tech./B.Tech project at RRIT and Akruti Engineers and builders depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- n) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- o) Both RRIT and Akruti Engineers and builders will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- p) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- q) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- r) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.

*M. Lakshmi*  
PRINCIPAL



- s) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

### ARTICLE-III: SHARING OF FACILITIES

- a) RRIT and Akruti Engineers and builders shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and Akruti Engineers and builders shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and Akruti Engineers and builders shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

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- a) The collaborative programme between RRIT and Akruti Engineers and builders shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
- b) Financial arrangements for each specific collaboration will be decided on a case- to-case basis and brought on record in each case after due approval from heads of both the Institutions.

### ARTICLE-V: EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.

  
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- d) Any clause or article of the MOU may be modified or amended by mutual agreement of AkruTi Engineers and builders and RRIT.

## ARTICLE-VI: IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

## ARTICLE-VII: CONFIDENTIALITY

- a) During the tenure of the MOU both RRIT and AkruTi Engineers and builders will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.
- b) Both RRIT and AkruTi Engineers and builders shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.
- c) Further both RRIT and AkruTi Engineers and builders shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

**CONFIDENTIAL INFORMATION** shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) Is or becomes publicly available through no fault of the receiving party,

  
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- (b) Is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) Is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) Is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) Is disclosed with the written consent of the party whose information it is, or
- (f) Is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

## ARTICLE-VIII : AMENDMENTS

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

## ARTICLE-IX: RESOLUTION OF DISPUTES

- a) This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Bengalure.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

## ARTICLE-X: MISCELLANEOUS

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- b) Both RRIT and Akruti Engineers and builders shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial

  
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Department of Civil Engineering

exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.

- d) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHERE OF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

**AKRUTI**

**ENGINEERS & BUILDERS**

# 28/1, 8th Cross, Shivanand Nagar

Moodalapalya, Vijayanagara

BENGALURU -

Akruthi Engineers and builders

Bengaluru



Coordinator:

Gunasheela P, Asst Prof, Dept of Civil engineering

Sharmila H C Asst Prof, Dept of Civil engineering

Principal

Raja Reddy Institute of Technology

Bengaluru

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NO.28/1, 8TH CROSS, SHIVANANDANAGAR, MOODALAPALYA, VIJAYNAGARA, BANGALORE -560072  
Contact no: 8880331224

<https://g.page/Akruti-constructions>

30 September 2021


## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Pramod Kumar Mahato (1RI18CV031), student of BE (Civil Engineering), RR Institute of Technology Bengaluru Karnataka. Has successfully completed his internship in our organization from 01<sup>st</sup> September 2021 to 30<sup>th</sup> September 2021. He took keen interest in the work assigned to him. His conduct and behavior Was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting, Block work, Plastering.

We wish his success in all his future endeavors.



  
Authorized Signatory  
**ANAND N. GAJARE**, BE, M-Tech, MBA  
**AKRUTI**  
Engineers & Builders  
# 28/1, 8th Cross, Shivanand Nagara  
Moodalapalya, Vijayanagara  
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<https://g.page/Akruti-constructions>

30 September 2021

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sailesh Sahani (IRI18CV036), student of BE (Civil Engineering), RR Institute of Technology Bengaluru Karnataka.

Has successfully completed his internship in our organization from 01<sup>st</sup> September 2021 to 30<sup>th</sup> September 2021.

He took keen interest in the work assigned to his. His conduct and behavior Was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting, Block work, Plastering.

We wish his success in all his future endeavors.



  
Authorized Signatory  
**ANAND N. GAJARE**, BE, M-Tech, MBA  
AKRUTI  
Engineers & Builders  
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Moodalanaly - Vijayanagara  
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30 September 2021

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sandeep Kumar Yadav (IRI18CV037), student of BE (Civil Engineering), RR Institute of Technology Bengaluru Karnataka. Has successfully completed his internship in our organization from 01<sup>st</sup> September 2021 to 30<sup>th</sup> September 2021.

He took keen interest in the work assigned to him. His conduct and behavior was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting, Block work, Plastering.

We wish his success in all his future endeavors.



Authorized Signatory  
**ANAND N. GAJARE**, BE, M-Tech, MBA

**AKRUTI**

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## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Shyam Dev Yadav (IRI18CV040), student of BE (Civil Engineering), RR Institute of Technology Bengaluru Karnataka.


Has successfully completed his internship in our organization from 01<sup>st</sup> September 2021 to 30<sup>th</sup> September 2021.

He took keen interest in the work assigned to him. His conduct and behavior was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting. Block work, Plastering.

We wish his success in all his future endeavors.



  
Authorized Signatory  
ANAND N. GAJARE, BE, M-Tech, MBA  
AKRUTI  
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Moodalapalya, Vijayanagara

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Contact no: 8880331224

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30 September 2021

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that **M<sup>r</sup>. Bikesh Bhattarai (IRI18CV007)**, student of **BE (Civil Engineering)**, **RR Institute of Technology Bengaluru-Karnataka**—

Has successfully completed his internship in our organization from **01<sup>st</sup> September 2021** to **30<sup>th</sup> September 2021**.

He took keen interest in the work assigned to his. His conduct and behavior Was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting, Block work, Plastering.

We wish his success in all his future endeavors.



*(Signature)*  
Authorized Signatory  
**ANAND N. GAJARE**, BE, M-Tech, MBA

**AKRUTI**  
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Moodalapalya, Vijayanagara  
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30 September 2021

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Deepak Thakur (IRI18CV010), student of BE (CivilEngineering), RR Institute of Technology Bengaluru Karnataka.

Has successfully completed his internship in our organization from 01<sup>st</sup> September 2021 to 30<sup>th</sup> September 2021.

He took keen interest in the work assigned to him. His conduct and behavior was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting, Block work, Plastering.

We wish his success in all his future endeavors.



  
Authorized Signatory  
**ANAND N. GAJARE**, BE, M-Tech, MBA  
AKRUTI  
Engineers & Builders  
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Moodalapalya, Vijayanagara  
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30 September 2021

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Jayandra Rawal (IRI18CV020), student of BE (Civil Engineering), RR Institute of Technology Bengaluru Karnataka.

Has successfully completed his internship in our organization from 01<sup>st</sup> September 2021 to 30<sup>th</sup> September 2021.

He took keen interest in the work assigned to his. His conduct and behavior Was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting, Block work, Plastering.

We wish his success in all his future endeavors.



*(Signature)*  
ANAND N. GAJARE, BE, M-Tech, MBA

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Contact no: 8880331224

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30 September 2021

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Joshan Acharya (IRI18CV022), student of BE (Civil Engineering), RR Institute of Technology Bengaluru Karnataka.

Has successfully completed his internship in our organization from 01<sup>st</sup> September 2021 to 30<sup>th</sup> September 2021.

He took keen interest in the work assigned to him. His conduct and behavior was found good.

During the period of internship. He learnt all stages of Residential Building Construction work i.e., Foundation work such as Marking, Excavation, Footing works, Short column and Plinth with necessary Bar Bending, Concreting work and Shuttering. Structural works including main columns and Roof work. Detailed Roof reinforcement, Roof concreting with machine mix and ready-mix concreting, Block work, Plastering.

We wish his success in all his future endeavors.

  
Authorized Signatory  
ANAND N. GAJARE, BE, M-Tech, MBA  
AKRUTI  
Engineers & Builders  
# 28/1, 8th Cross, Shivanand Nagara  
Moodalapalya, Vijayanagara  
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# R R Institute of Technology

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Accredited by NAAC

## MEMORANDUM OF UNDERSTANDING

BETWEEN

**R R Institute of Technology, Bengaluru - 560090**

AND

**SHIKHAR Builders and Contractors**

*M. S. S. S.*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.





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Department of Civil Engineering

## PREAMBLE

Whereas, RR Institute of Technology Bengaluru -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, SHIKHAR Builders and Contractors is engaged in construction, research, design and development and consultancy in the field of civil engineering and related fields.

WHEREAS, both RRIT and SHIKHAR Builders and Contractors, now

-Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.

-Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering

-Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on civil engineering related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and SHIKHAR Builders and Contractors hereby acknowledge, RRIT and SHIKHAR Builders and Contractors hereby agree to sign a memorandum of understanding (MOU).

*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



## ARTICLE-I: SCOPE OF THE MOU

This MOU details the modalities and general conditions regarding collaboration between RRIT and SHIKHAR Builders and Contractors for enhancing, within the country, the availability of highly qualified manpower in the areas of civil engineering without any prejudice to prevailing rules and regulations in RRIT and SHIKHAR Builders and Contractors. The areas of cooperation can be extended through mutual consent.

## ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

Both RRIT and SHIKHAR Builders and Contractors shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at SHIKHAR Builders and Contractors;
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by SHIKHAR Builders and Contractors on mutually agreeable terms.
- e) SHIKHAR Builders and Contractors would accommodate B.E students who have completed the 6<sup>th</sup> Semester of their programme in such a number that SHIKHAR Builders and Contractors deems convenient to it for the purpose of imparting industrial training.
- f) SHIKHAR Builders and Contractors may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) SHIKHAR Builders and Contractors may conduct seminars and workshops for faculties for knowledge sharing

*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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Department of Civil Engineering

## ARTICLE-III : SHARING OF FACILITIES

- a) RRIT and SHIKHAR Builders and Contractors shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and SHIKHAR Builders and Contractors shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and SHIKHAR Builders and Contractors shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

## ARTICLE-IV: EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of SHIKHAR Builders and Contractors and RRIT.

## ARTICLE-V : IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent

*M. Lalitha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*[Signature]*



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Department of Civil Engineering

## ARTICLE-VI: CONFIDENTIALITY

During the tenure of the MOU both RRIT and SHIKHAR Builders and Contractors will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both RRIT and SHIKHAR Builders and Contractors shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.

Further both RRIT and SHIKHAR Builders and Contractors shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

  
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CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.





## ARTICLE-VII : AMENDMENTS

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

## ARTICLE-VIII : RESOLUTION OF DISPUTES

- a) This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Bengaluru.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English. ARTICLE-X: MISCELLANEOUS
  - a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
  - b) Both RRIT and SHIKHAR Builders and Contractors shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
  - c) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

  
Page 349 of 713



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Department of Civil Engineering

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

*Maheshwari*  
Principal

R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bengaluru - 560 090  
Raja Reddy Institute of Technology  
Bengaluru

Date 13/11/21

*Shikhar*  
Director

SHIKHAR Builders and Contractors  
Bengaluru

Date 13/11/2021

## Coordinators

1. B R Shilpa, Asst Prof, Department of Civil Engineering
2. Deepika R Asst Prof, Department of Civil Engineering

*Maheshwari*  
Principal

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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Department of Civil Engineering

Date: 4/07/2022

## Department of Civil Engineering

Cordially invites all students and faculties for  
Student development program on

### Challenges for Civil Engineers in Project Execution

In association with

**SHIKHAR Builders and Contractors under MOU**

11<sup>th</sup> July 2022

Time: 10:00 AM

Venue: Seminar Hall, Civil Block, RRIT.

### CHIEF GUEST

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

&

**Sri Arun H.R.**  
Director, PKMET, Bengaluru

### RESOURCE PERSON

**Mr Ravi Jayanna**

Director, SHIKHAR Builders and Contractors  
Bangalore.

Signature

**Dr. G Sankara**  
HOD-CV

Signature

**Dr. Mahendra K V**  
PRINCIPAL

#### ORGANIZING COMMITTEE

##### Chief Patron

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

##### Patron

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

##### Sri Arun H.R.

Director, PKMET, Bengaluru

##### Administrators

**Prof. Maya Salimath G**  
Director QAC - R. R. Institutions

##### Chair Person

**Dr. Mahendra K V**  
Principal - RRIT Bengaluru

##### Organising Secretary

**Dr. G Sankara**  
HOD, Civil Department

##### Organising Committee Members

**Prof. B R Shilpa**  
Asst Prof, Civil Department

##### Prof. Deepika R

Asst Prof, Civil Department

##### Prof. Aishwarya V Kahade

Asst Prof, Civil Department

##### Student Members

**Ms. Sophia Grace**  
**Mr. Lekanath Adhikari**  
**Ms. Ramya T L**  
**Mr. Manahar Nishad**

  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



## REPORT

on

Student Development Program

## CHALLENGES FOR CIVIL ENGINEERING IN PROJECT EXECUTION

Date: 14/07/2022

The Department of Civil Engineering organized Student Development Program on "**Challenges for Civil Engineering in Project Execution**". Dr G Sankara, HOD Department of Civil Engineering has welcome guest speaker, faculty members and students for program. Mr. Ravi Jayanna Director of Shikhar Builders and Contractors Guest speaker/resource person has spoken on the importance of student development programs during studies and gap between industry and institute. Prof. Ranganathan B A gave brief introduction about guest speaker, Dr G Sankara, HOD Department of Civil Engineering presented importance of SDP, Vote of thanks delivered by faculty B R Shilpa

The Topics Covered in Student Development program,

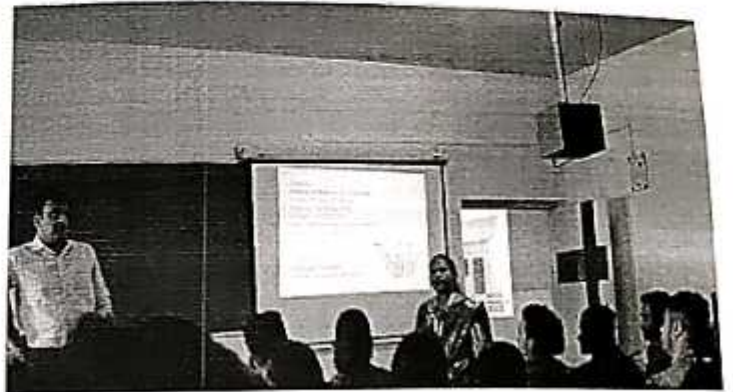
1. What are Project requirements and how to do plan budgeting scheduling setting performance requirements and selecting project participants
2. What are the factors that affect budget for different projects are also discussed.
3. Recourse selection is major part in project execution, how to maximizing the resource efficiency through procurement of labour materials and equipment are discussed with examples
4. How to design the project and how to implement various operations through proper coordination and control of planning design, estimating, contracting in the entire process is discussed
5. Project executions have different roles, to complete the project successfully. Understand different method of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process

*M. R. Shilpa*  
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6. Various examples like safety measures to be taken in sites, how to handle the labours and equipment. Various case study of different project are also discussed
7. Common problems at construction site

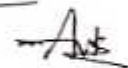
Attendees : Second year and pre-final year students




Conveners

B R Shilpa - 

Deepika.R - 

Aishwarya V Kakade - 

  
**Dr. G. Sankara**  
**HOD-Civil**  
 M. J. CIVIL E. NGG  
**R.R. INST. OF TECHNOLOGY**  
 Chikkabanavara, Bangalore - 560 090

  
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**R.R. INSTITUTE OF TECHNOLOGY**  
 Chikkabanavara, Bangalore - 560 090.



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

-PKM Educational Trust ® **Department of Civil Engineering**

## PROGRAM ON "CHALLENGES FOR CIVIL ENGINEERS IN PROJECT EXECUTION"

In Association with  
SHIKHAR BUILDERS AND CONTRACTORS UNDER MOU ON 14<sup>TH</sup> JULY 2022

### ATTENDANCE SHEET

Sl No	USN	NAME	SEM	SIGNATURE	
1	IR19CV012	Lav K <sup>o</sup> Singh	6 <sup>th</sup>		
2)	IR19CV014	Manohar Nishad	6 <sup>th</sup>		
3)	IR19CV013	Lakshmith Adikani	6 <sup>th</sup>		
4	IR19CV015	Manish Kr. Thakur	6 <sup>th</sup>		
5	IR19CV025	Sandesh Kr. Yadav	6 <sup>th</sup>		
6	IR19CV011	Jay prakash	6 <sup>th</sup>		
7)	IR19CV029	Supriya K. Borhi	6 <sup>th</sup>		
8)	IR19CV021	Niyaz Ansari	6 <sup>th</sup>		
9)	IR19CV028	Angeshwar Shikha Thakur	6 <sup>th</sup>		
10)	IR20CV402	Sophia Grace chymony	6 <sup>th</sup>		
11)	IR20CV400	Bashida Natalia Thompson	6 <sup>th</sup>		
12)	IR20CV401	Pratik Mohanray	6 <sup>th</sup>		
13)	IR19CV030	Sumi-S	6 <sup>th</sup>		
14)	IR19CV020	Niharika.N	6 <sup>th</sup>		
4 <sup>th</sup> sem	15)	IR20CV009	Raj Kamal Chaudhary	4 <sup>th</sup>	
	16)	IR20CV012	Rohit Kumar Jha	4 <sup>th</sup>	
	17)	Shyam Prasad Yadav	4 <sup>th</sup>		
	18)	Bhuvan Raju Baber	4 <sup>th</sup>		
	19)	Aman Kumar patiyar	4 <sup>th</sup>		
	20)	Sanjay Chaudhary	4 <sup>th</sup>		
	21)	Harshitha.N	4 <sup>th</sup>		
6 <sup>th</sup> sem	21	IR16CV350	Arijun M Shaji	6 <sup>th</sup>	
	22	IR18CV011	Dev Anand-S	6 <sup>th</sup>	
	23	IR19CV016	Manjubhree. M	6 <sup>th</sup>	
	24	IR19CV002	Anusha. D.S	6 <sup>th</sup>	
	25	IR18CV033	Ranjan. T.L	6 <sup>th</sup>	
	26	IR			

4TH  
SEM

26	IRI21CV401	Aarjun Sukw	4TH	Aarjun
27	IRI21CV405	Siddhartha Lodhi	4TH	Siddhartha
28	IRI21CV403	Debanikan Sankar	4TH	Debanikan
29	IRI20CV003	Bhuvan Khatori	4TH	Bhuvan
30	IRI20CV026	Ravi Shastri	4TH	Ravi
31	IRI20CV019	Suman Kumar Sah	4TH	Suman
32	IRI20CV025	Raj Kumar Yadav	4TH	Raj
33	IRI20CV005	Ganga Ram Yadav	4TH	Ganga
34	IRI20CV016	Chivam Yadav	4TH	Chivam
35	IRI20CV018	Suman Kr Sah	4TH	Suman
36	IRI20CV011	Ravi Kr. Yadav	4TH	Ravi
37	IRI20CV014	Sanjay Kr. Mauda	4TH	Sanjay
38	IRI20CV008	Niraj Kr. Thakur	4TH	Niraj
39	IRI20CV002	Amithek Kr. Sah	4TH	Amithek
40	IRI20CV007	Istihak Musalman	4TH	Istihak
41	IRI20CV027	Sonu Yadav	4TH	Sonu
42	IRI20CV004	Eliyas Ahmad Mu.	4TH	Eliyas



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## MEMORANDUM OF UNDERSTANDING

**BETWEEN**

RR Institute of Technology,  
Bengalure 560090

**AND**

**A.M.D ELECTRICALS AND CONSTRUCTION**

PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**

Chikkabanavara, Bangalore - 560 090.

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

E-mail : rrit@rrinstitutions.com, www.rrit.ac.in, www.rrinstitutions.com



## PREAMBLE

Whereas, RR Institute of Technology Bengaluru -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, AMD ELECTRICALS AND CONSTRUCTION (AMD) is engaged in construction, research, design and development and consultancy in the field of civil engineering and related fields.

WHEREAS, both RRIT and AMDEC, now

- Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on civil engineering related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and AMDEC hereby acknowledge, RRIT and AMDEC hereby agree to sign a memorandum of understanding (MOU).

  
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Chikkabanavara, Bangalore - 560 090.

**ARTICLE-I: SCOPE OF THE MOU**

This MOU details the modalities and general conditions regarding collaboration between RRIT and AMDEC for enhancing, within the country, the availability of highly qualified manpower in the areas of civil engineering without any prejudice to prevailing rules and regulations in RRIT and AMDEC. The areas of cooperation can be extended through mutual consent.

**ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS**

Both RRIT and AMDEC shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at AMDEC;
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by AMDEC on mutually agreeable terms.
- e) AMDEC would accommodate B.E. students who have completed the 6<sup>th</sup> semester of their programme in such a number that deems convenient to it for the purpose of imparting industrial training.
- f) AMDEC may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) AMDEC personnel, as well as research scholars, may also be allowed to enroll for their Ph.D. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, AMDEC may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.
- h) AMDEC may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.

  
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- j) AMDEC may avail library, Internet, computational facilities at RRIT
- k) Post-graduate student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at AMDEC may be appointed a Co- research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech (Regular or Research) degree at RRIT. The student maybe encouraged to take up the project such that AMDEC desirably benefits from its outcomes.
- l) The students will carry out part of their Ph.D. research work or M.Tech./B.Tech. project at RRIT and AMDEC depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- m) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- n) Both RRIT and AMDEC will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- o) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- p) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- q) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- r) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

*M. Lakshmi*  
PRINCIPAL



## ARTICLE-III : SHARING OF FACILITIES

- a) RRIT and AMDEC shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and AMDEC shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and AMDEC shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

## ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- a) The collaborative programme between RRIT and AMDEC shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
- b) Financial arrangements for each specific collaboration will be decided on a case- to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## ARTICLE-V : EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.





- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of AMDEC and RRIT.

## ARTICLE-VI : IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

## ARTICLE-VII: CONFIDENTIALITY

During the tenure of the MOU both RRIT and AMDEC will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both RRIT and AMDEC shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.

Further both RRIT and AMDEC shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

  
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Department of Civil Engineering

## ARTICLE-X: MISCELLANEOUS

- The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- Both RRIT and AMD shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.
- After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

AMD ELECTRICALS

  
Proprietor

AMD Electricals and Constructions

Pandavapura

Date 19:10:2021

AMD ELECTRICALS  
Class I Contractor  
Hembanagara 1, Bangalore,  
PANDAVAPURA-571434

Raja Reddy Institute of Technology

Bengaluru

Date

  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Coordinators

Dr. Praseeda E, Aishwarya V Kakade  
RRIT, Bangalore



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Department of Civil Engineering

## ORGANIZING COMMITTEE

### Chief Patron

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

### Sri Arun H.R.

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**  
Director QAC -R. R. Institutions

### Chair Person

**Dr Mahendra K V**  
Principal- RRIT Bengaluru

### Convener / Organising Secretary

**Dr. G. Sankara**  
HOD  
RRIT, Bengaluru

### Organising Committee Members

**Prof. Aishwarya V Kakade**

**Prof. B R Shilpa**

**Prof. Sushma R K**

Assistant Prof.-Civil  
RRIT, Bengaluru

### Student Members

**Sanjay Kumar**

**Harshitha**

**Siddarth Lodh**

*Mahesh*  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Signature

**Dr. G. Sankara**

HOD Civil Engg.

R.R. INST. OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090

Signature

**Dr Mahendra K V**

Principal

## Department of Civil Engineering

Cordially invites all staff & Students  
for

Student Development Program

## “Practical Principles of Civil Engineering in Field”

Association with AMD Electrical and Consultants

On 01/04/2022 Monday @ 11:00AM

Venue: Main Seminar Hall

### CHIEF GUEST

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

&

**Sri Arun H.R.**  
Director, PKMET, Bengaluru

### GUEST SPEAKER

**Er. Vivek, Proprietor**  
AMD Electrical and Consultants

Vision of the college



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Department of Civil Engineering**

## **Report on 1-day Student Development Program on "Practical principles of Civil Engineering in Field"**

Date: 1/04/2022

The department of Civil Engineering had organized 1 day SDP on "Practical principles of Civil Engineering in Field". Dr G Sankara, HOD Department of Civil Engineering as organising secretary and Er Vivek as guest speaker spoke on the importance of the SDP. Civil Engineering Students of fourth year, Total number of students attended 32 out of 39 students. Faculty members of RRIT. Prof. Girish G gave brief introduction about guest speaker, Dr G Sankara, HOD Department of Civil Engineering presented importance of SDP, Vote of thanks delivered by Priyadarshini H P

The SDP Covers following topics,

1. What actually the field aspects of civil engineering, difficulties faced
2. What are Project requirement and how to do plan budgeting scheduling setting performance
3. What are the factors that affect budget for different projects are also discussed
4. Recourse selection is major part in project execution, how to maximizing the resource efficiency through procurement of labor materials and equipment are discussed with examples
5. How to design the project and how to implement various operations through proper coordination and control of planning design estimating. contracting in the entire process is discussed
6. Project executions have different roles, to complete the project successfully.
7. Understand different method of project delivery and the roles and responsibilities of all involved in the design and construction process

P

*Mahesh*  
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Chikkabanavara, Bangalore - 560 090.



Conveners

Aishwarya V Kakade *AVK*

B R Shilpa *BS*

Sushma R K *SRK*

*Melach*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Dr G Sankara

HOD-Civil

*5/4/22*  
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Department of Civil Engineering

## Student Development Program 1/04/22

### "Practical principles of Civil Engineering in field "

#### Student list

Sl no	USN	Name	Signature
1	1RI16CV350	ARJUN N SHAJI	Arjun N
2	1RI18CV004	ASHWIN B C	Ashwin
3	1RI18CV011	DEV ANAND S	— AB —
4	1RI18CV018	HEMANTH GOWDA R	Hemant R
5	1RI18CV026	MUHAMMED SHAKIR	— AB —
6	1RI18CV033	RAMYA T L	Ramya
7	1RI18CV043	TENZIN PHURPA JOMA	— AB —
8	1RI18CV423	PRABESH BASENT	Prabesh
9	1RI19CV002	ANUSHA D S	Anusha
10	1RI19CV004	BINAY KUMAR CHAUDHARY	Binay kumar
11	1RI19CV005	BIPUL KOIRALA	Bipul koirala
12	1RI19CV006	BIR BHADUR TAMANG	— AB —
13	1RI19CV007	CHARAN U	Charan U
14	1RI19CV008	DHAN BHADUR PALI	Dhan Bahadur Pali
15	1RI19CV011	JAY PRAKASH	Jay Prakash
16	1RI19CV012	LAV KUMAR SINGH	Lav kumar
17	1RI19CV013	LEKHNATH ADHIKARI	— AB —
18	1RI19CV014	MANAHAR NISHAD	— AB —
19	1RI19CV015	MANISH KUMAR THAKUR	Manish
20	1RI19CV016	MANJUSHREE M	Manjushree
21	1RI19CV017	MD TAUSIF REZA ANSARI	— AB —
22	1RI19CV018	MOHMED YASIN	Mohammed
23	1RI19CV019	NARESH CHAUDHARY	— AB —
24	1RI19CV020	NIHARIKA N	Niharika N
25	1RI19CV021	NIYAZ ANSARI	Niyaz Ansari
26	1RI19CV022	R LALBUATSAIHA	— AB —
27	1RI19CV024	RUMA NOATIA	Ruma Noatia

*M. S. S.*  
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Department of Civil Engineering

28	IRI19CV025	SANDESH KUMAR YADAV	Sandesh
29	IRI19CV027	SATISH KUMAR CHAUDHARY	Satish Kumar Chaudhary
30	IRI19CV028	SNGEWHUN SHISHA THABAH	— AB —
31	IRI19CV029	SUJIT KUMAR BARHI	Sujit kumar
32	IRI19CV030	SUMI S	Sumi S
33	IRI19CV031	UJJWAL KHANAL	Ujjwal - K
34	IRI19CV032	VARUN B R	Varun B R
35	IRI19CV033	VIKASH KUMAR	— AB —
36	IRI19CV034	YESHWANTH K	Yeshwanth
37	IRI20CV400	BASHIDA NATALIA LAWPHNIAW	— AB —
38	IRI20CV401	PINKI MACHAHARY	Pinki Machahary
39	IRI20CV402	SOPHIA GRACE CHYRMANG	— AB —

~~AB~~  
Coordination.

  
HOD,  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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## MEMORANDUM OF UNDERSTANDING

**BETWEEN**

RR Institute of Technology, Bengalure 560090

**AND**

Amare Gouda Design & Build Pvt Ltd

*Melaha.*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.





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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Civil Engineering

## PREAMBLE

Whereas, RR Institute of Technology Bengaluru -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, Amare Gouda Design & Build Pvt Ltd (AGDB) is engaged in construction, research, design and development in the field of civil engineering and related fields.

WHEREAS, both RRIT and AGDB, now

- Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering
- Desiring to club their efforts by pooling their expertise and resources,

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- c) Practical training of RRIT students at AGDB;
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by AGDB on mutually agreeable terms.
- e) AGDB would accommodate B.E. students who have completed the 6<sup>th</sup> semester of their programme in such a number that AGDB deems convenient to it for the purpose of imparting industrial training.
- f) AGDB may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) AGDB personnel, as well as research scholars, may also be allowed to enroll for their Ph.D. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, AGDB may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.
- h) AGDB may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.

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- j) AGDB may showcase its business activities at the seminar/workshop/conference, etc. at RRIT.
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- l) Post-graduate student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at AGDB may be appointed a Co- research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech (Regular or Research) degree at RRIT. The student may be encouraged to take up the project such that AGDB desirably benefits from its outcomes.
- m) The students will carry out part of their Ph.D. research work or M.Tech./B.Tech. project at RRIT and AGDB depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- n) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- o) Both RRIT and AGDB will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- p) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- q) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- r) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- s) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

  
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## ARTICLE-III : SHARING OF FACILITIES

- a) RRIT and AGDB shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and AGDB shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and AGDB shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

## ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- a) The collaborative programme between RRIT and AGDB shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
- b) Financial arrangements for each specific collaboration will be decided on a case- to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## ARTICLE-V : EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 3 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of AGDB and RRIT.

  
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## ARTICLE-VI : IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

## ARTICLE-VII: CONFIDENTIALITY

During the tenure of the MOU both RRIT and AGDB will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both RRIT and AGDB shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.

Further both RRIT and AGDB shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party

*Mahesh*  
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- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

## ARTICLE-VIII : AMENDMENTS

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

## ARTICLE-IX : RESOLUTION OF DISPUTES

- a) This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Bengalure.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

## ARTICLE-X: MISCELLANEOUS

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- b) Both RRIT and AGDB shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are

  
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Department of Civil Engineering

cumulative and not exclusive of any right, remedies, powers and privileges provided by law.

- d) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

Managing Director

Amare Gouda Design & Build Pvt Ltd

Bengaluru

Principal

Raja Reddy Institute of Technology

Bengaluru

Date 20/11/2014 Amare Gouda Design & Build Pvt. Ltd. Date  
# S-3, 2nd Floor Mangala Eshwar Appartment  
4th D Cross, MM Layout, KB Sarjeha  
Bangalore-560032 India

Coordinator:

Mrs Shwetha Shetty M R, Asst Prof, Dept of Civil engineering

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Department of Civil Engineering

Date: 18/1/2022

### CIRCULAR

The Department of Civil Engineering is organizing Site visit to construction of building association with Amare Gouda Design & Build Pvt Ltd -Construction work on 20/01/2022 for Final year students. All the students must come for industrial visit.

Time; 9.30AM

Ranganathan.B.A

Priyadarshni H P

**Convener**

Dr G.Sankara

**HOD-Civil**

HOD Civil Engg.

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## Site Visit Report on Construction work on 20-1-2022

The department of Civil Engineering had organized Site visit with Amare Gouda design & builds Pvt Ltd to Construction work for civil engineering students. Students accompanied by faculty members & AGDL representative

Prof. B.A.Ranganathan, Prof H.P Priyadarshni Prof R.S.Patil and Prof Deepika,

The following points were discussed and shown to the students

The purposes of site visits includes observing facilities, interacting with staff and students, accessing documentation, scrutinizing tangible evidence of student achievements and checking the veracity of self-assessment statements. Ultimately, site visits not only allow us to gain more technical and practical knowledge about materials and construction processes, but also offer opportunities to build valuable life skills that we can apply in our daily lives. Nonetheless, all these learning opportunities are only as much as we make of them.

- Commencement.
- Excavation, (before excavations are filled).
- Foundations (before they are covered up).
- Laying of damp proof courses.
- Installation of new drains (before covering up).
- Construction of the primary structure.
- Installation of insulation.
- Roof construction.
- Completion.

### ENCLOSURES

1. Attendance

2. Photographs

Ranganathan.B.A

Priyadarshni

HP

Conveners

Dr G.Sankara

HOD-Civil

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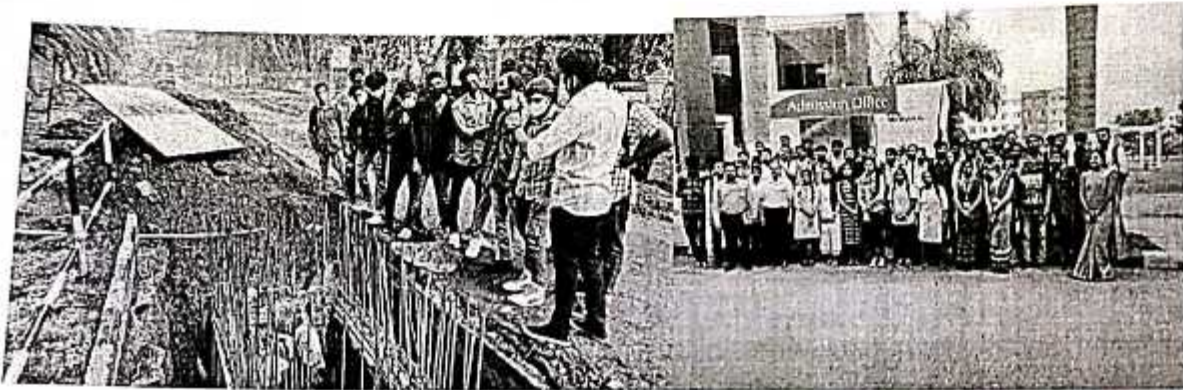
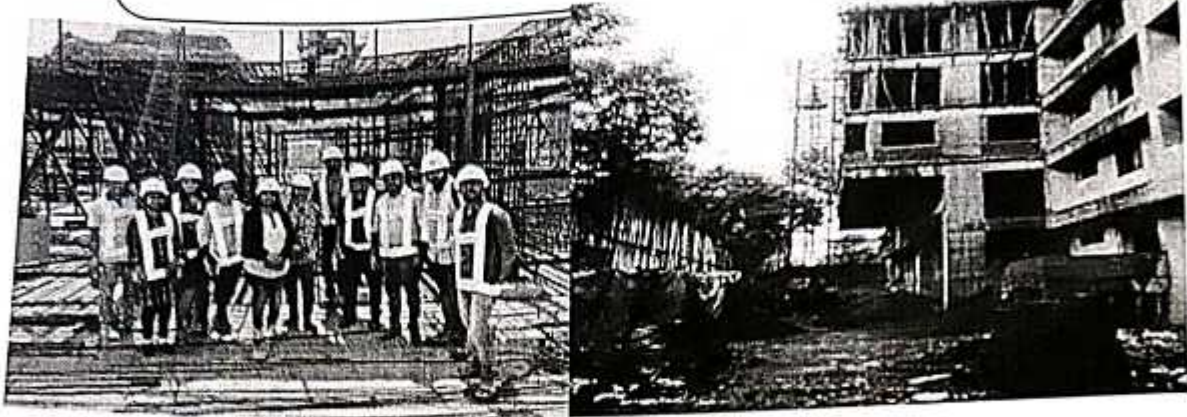


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Department of Civil Engineering



Construction works- Site Visit

*Ranga Nathan & A -*  
*Praga Jilini HJ*  
Coordinators

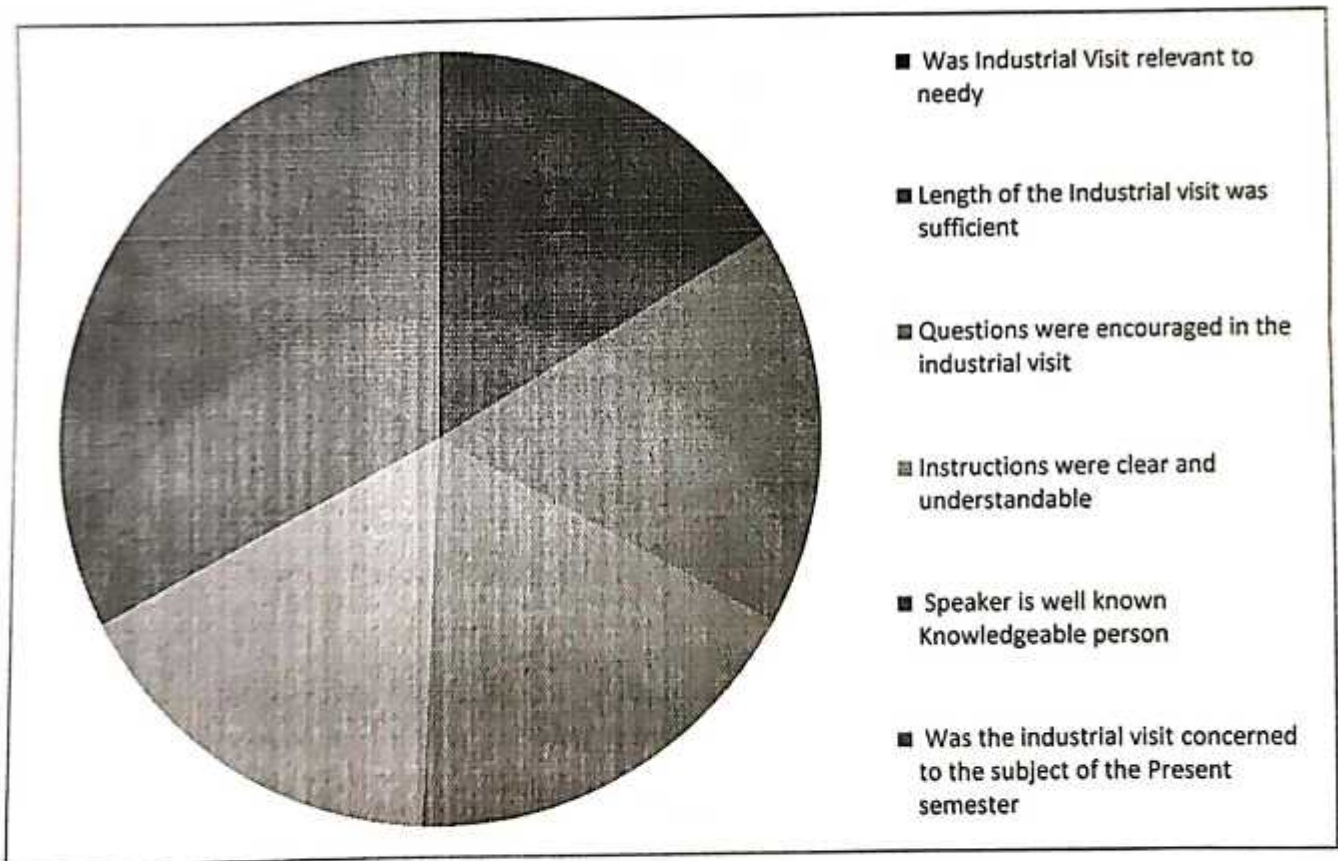
*[Signature]*  
HOD

*[Signature]*  
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## Feed Back analysis on Industrial Visit Report to Local Construction Site

Was Industrial Visit relevant to needy	Length of the Industrial visit was sufficient	Questions were encouraged in the industrial visit	Instructions were clear and understandable	Speaker is well known Knowledgeable person	Was the industrial visit concerned to the subject of the Present semester
1	1.0115207	1.078341	1.004608	1	1



### Scale 1 to 4

- 1 Excellent
- 2 Good
- 3 Average
- 4 poor

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*B. P. S.*  
HOD Civil Engg.  
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**Site Visit****STUDENT ATTENDANCE LIST**

20-01-2022.

Sl. No.	USN	Name	Student signature
1	1RI15CV004	AKASH C	Akash C
2	1RI6CV001	AISWARYA CS	Aishwarya CS
3	1RI6CV011	BASAVAN GOWDA	Basavan Gowda
4	1RI6CV038	PASBHALANG THABAH	- ABSENT -
5	1RI6CV041	PREMCHANDRA NAIDU	- ABSENT -
6	1RI6CV062	SHANIAHLANG LYGDOH	Shaniahlang
7	1RI17CV023	MANOJ GOWDA H K	Manoj
8	1RI17CV026	M D IMRAN ANSARI	- ABSENT -
9	1RI17CV034	PAON THANGJAM	Paon Thangjam
10	1RI17CV044	SANGIT PANDIT	Sangit Pandit
11	1RI17CV051	SUSHEEL KUMAR	Susheel Kumar
12	1RI17CV055	YASHAS S N	Yashas S.N
13	1RI18CV001	AKHILESH KUMAR YADAV	Akash
14	1RI18CV003	ANUPAMA R RAIKAR	Anupama Raikar
15	1RI18CV006	BAIJU PRASAD GUPTA	Baiju
16	1RI18CV007	BIKESH BHATTARAI	Bikesh
17	1RI18CV008	BIKRAM PRASAD SAH	Bikram
18	1RI18CV009	CHANDRABHUSHAN MAHATO	Chandrabhushan
19	1RI18CV010	DEEPAK THAKUR	Deepak
20	1RI18CV012	DHARMENDRA KUMAR SAH	Dharmendra Sah
21	1RI18CV013	DHIRAJ KUMAR SAH	Dhiraj Sah
22	1RI18CV014	DHIRAJ SHAH	Dhiraj Shah
23	1RI18CV015	DURGESH BATALA	Durgesh
24	1RI18CV017	EVAN RAJ SUBBA	Evan Raj
25	1RI18CV019	JAVED OSTA	Javed Osta
26	1RI18CV020	JAYANDRA RAWAL	Jayendra
27	1RI18CV021	JOHNSWELL SYIEM	Johnswell
28	1RI18CV022	JOSHAN ACHARYA	Joshan
29	1RI18CV024	KHUSHUBU CHAUDHARI	Khushubu



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30	IRI18CV027	MUKESH KUMAR	
31	IRI18CV028	PANKAJ KANOJIYA	
32	IRI18CV029	PANKAJ YADAV	
33	IRI18CV030	PRAMIKA A	Pranika.A.
34	IRI18CV031	PRAMOD KUMAR MAHATO	
35	IRI18CV032	RAMANDIP KUMAR MAHATO	
36	IRI18CV034	RISHU KUMAR CHAURASIYA	
37	IRI18CV035	SACHENDRA KUMAR YADAV	Sachendra
38	IRI18CV036	SAILESH SAHANI	- ABSENT -
39	IRI18CV037	SANDEEP KUMAR YADAV	
40	IRI18CV038	SANJAY KUMAR SAH	- PRESENT -
41	IRI18CV039	SANTOSH KUMAR YADAV	Santosh
42	IRI18CV040	SHYAM DEV YADAV	
43	IRI18CV041	SINCHANA M	
44	IRI18CV042	SREEHARI P P	- ABSENT -
45	IRI18CV045	VINITH G	
46	IRI19CV400	ARAVIND GOWDA A	Arvind.
47	IRI19CV401	ASHMITA DAS	Das
48	IRI19CV402	BEDANTA DOWARAH	
49	IRI19CV403	DIVYA H	
50	IRI19CV404	MOHAMMED AKTHAR S A	MA
51	IRI19CV405	PINAK PANI HAZARIKA	
52	IRI19CV406	SHASHI PREETHAM N	
53	IRI19CV407	SUMEHI YMBON	
54	IRI19CV408	ZAID HASSAN	

CLASS TAECHE RHOD-CIVIL

HOD Civil Engg.  
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Department of Civil Engineering

## MEMORANDUM OF UNDERSTANDING

**BETWEEN**

RR Institute of Technology, Bengaluru 560090

**AND**

Kodanda Ramu Civil & Electrical contractor(KRCEC)

PWD, Class 1 contractor, Tumkur

Reg No, CBS/C1/CIVIL/14715/2020

*M. S. S.*  
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## PREAMBLE

Whereas, RR Institute of Technology Bengaluru -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, KR Civil & Electrical contractor (KRCEC)

is engaged in construction, research, design and development and consultancy in the field of civil engineering and electrical related fields.

WHEREAS, both RRIT and KRCEC, now

- Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on civil engineering related fields etc.

  
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NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and KRCEC



hereby acknowledge, RRIT and KRCEC hereby agree to sign a memorandum of understanding (MOU).

#### ARTICLE-I: SCOPE OF THE MOU

*Mahesh*  
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This MOU details the modalities and general conditions regarding collaboration between RRIT and KRCEC for enhancing, within the country, the availability of highly qualified manpower in the areas of civil engineering without any prejudice to prevailing rules and regulations in RRIT and KRCEC. The areas of cooperation can be extended through mutual consent.

#### ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

Both RRIT and KRCEC shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at KRCEC;
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by KRCEC on mutually agreeable terms.
- e) KRCEC would accommodate B.E. students who have completed the 6<sup>th</sup> semester of their programme in such a number that KRCEC deems convenient to it for the purpose of imparting industrial training.
- f) KRCEC may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) KRCEC personnel, as well as research scholars, may also be allowed to enroll for their Ph.D. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, KRCEC may request to design and teach a Course or Courses which it





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deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.

- h) KRCEC may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
- j) KRCEC may showcase its business activities at the seminar/workshop/conference, etc. at RRIT.
- k) KRCEC may avail library, Internet, computational facilities at RRIT
- l) Post-graduate student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at KRCEC may be appointed a Co- research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech (Regular or Research) degree at RRIT. The student maybe encouraged to take up the project such that KRCEC desirably benefits from its outcomes.
- m) The students will carry out part of their Ph.D. research work or M.Tech./B.Tech. project at RRIT and KRCEC depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
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- q) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- r) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- s) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. Would be spelt out clearly before starting the activity.

*M. Lakshmi*  
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manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.

- d) Any clause or article of the MOU may be modified or amended by mutual agreement of KRCEC and RRIT.

## ARTICLE-VI : IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

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Further both RRIT and KRCEC shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,

  
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**ARTICLE - X: MISCELLANEOUS**

- a) The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- b) Both RRII and KRCEC shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- c) No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.
- d) After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

Proprietor

KRCEC

PWD, Class I contractor, Tumkur

Date 23/10/21

Principal

Raja Reddy Institute of Technology

PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore-560 90

Date 23/10/21

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka  
Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Civil Engineering

## ORGANIZING COMMITTEE

### Chief Patron

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

### Sri Arun H.R.

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salmath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr Mahendra K V**

Principal- RRIT Bengaluru

### Convener / Organising Secretary

**Dr. G. Sankara**

HOD

RRIT, Bengaluru

### Organising Committee Members

**Prof. Aishwarya V Kabade**

**Prof. Jayadeep K S**

**Prof. Priyadarshini HP**

Assistant Prof.-CV

### Student Members

Jhonswell

Sachendra KV

Ashmitha

## Department of Civil Engineering

Cordially invites all staff & Students  
for

# “Workshop on Plumbing for Buildings”

Association with Kodanda Ramu Civil & Electrical  
Contractor

On 22/11/2021

Monday at 9.30AM

Venue: Main Seminar Hall

## CHIEF GUEST

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

## GUEST OF HONOR

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

&

**Sri Arun H.R.**

Director, PKMET, Bengaluru

## GUEST SPEAKER

Er. Mohan Kumar-Chief Project Executive  
M/s KONDANDA RAMU Civil & Electrical Contractor

*Mahendra K V*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*Dr. G. Sankara*  
Signature

**Dr. G. Sankara**

HOD

HOD Civil Engg.

R.R. INST. OF TECHNOLOGY

Signature

**Dr Mahendra K V**

Principal

**Report on Plumbing for buildings workshop****25/11/2021**

The department of Civil Engineering had organized one day workshop on Plumbing system is used for water supply in building on 22/11/2021. Dr Mahendra K V -Principal as Chief guest and Er. Ramesh Kumar - Chief Project Executive, M/s KONDANDA RAMU Civil & Electrical Contractor, as main speaker for the workshop. All the staff members from civil dept's and final year civil engineering students attended the workshop. HOD Dr.G Sankara and Prof B.A.Ranganathan spoke on the importance of the workshop and presidential address by Principal. Vote of thanks was delivered by Prof Deepika R .

The following points were discussed

**TYPES OF PUMPS:**

- Submersible pumps, and
- Open type Pumps

**TYPES OF DRAINAGE SYSTEMS IN BUILDINGS**

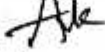

- Subsurface Drainage System
- Slope Drainage System
- Downspout & Gutter Drainage System

**TYPES OF PLUMBING SYSTEMS IN BUILDING**

- Single stack system
- Partially vented single stack system
- One pipe system
- Two pipes system

**BENEFITS OF DRAINAGE SYSTEM IN BUILDINGS  
FEATURES OF UPVC PIPES****ENCLOSURES**

1. Attendance
2. Photographs

Prof. Aishwarya V Kakade Prof. Priyadarshini HP - 

Conveners



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Dr G.SankaraHOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
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Department of Civil Engineering



Er MohanKumar speaking on HVAC

*M. Mohan Kumar*  
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Department of Civil Engineering

## Workshop on Plumbing for Buildings STUDENT ATTENDANCE LIST

Sl. No.	USN	Name	Student signature
1	1RI15CV004	AKASH C	<u>Akash</u>
2	1RI6CV001	AISWARYA CS	<u>Aishwarya</u>
3	1RI6CV011	BASAVAN GOWDA	<u>Basavan</u>
4	1RI6CV038	PASBHALANG THABAH	<u>Thabah</u>
5	1RI6CV041	PREMCHANDRA NAIDU	<u>AB</u>
6	1RI6CV062	SHANIAHLANG LYGDOH	<u>Shaniah</u>
7	1RI17CV023	MANOJ GOWDA H K	<u>Manoj</u>
8	1RI17CV026	M D IMRAN ANSARI	<u>Imran</u>
9	1RI17CV034	PAON THANGJAM	<u>AB</u>
10	1RI17CV044	SANGIT PANDIT	<u>Sangit</u>
11	1RI17CV051	SUSHEEL KUMAR	<u>Susheel</u>
12	1RI17CV055	YASHAS S N	<u>Yashas</u>
13	1RI18CV001	AKHILESH KUMAR YADAV	<u>AB</u>
14	1RI18CV003	ANUPAMA R RAIKAR	<u>AB</u>
15	1RI18CV006	BAIJU PRASAD GUPTA	<u>Baiju</u>
16	1RI18CV007	BIKESH BHATTARAI	<u>Bikesh</u>
17	1RI18CV008	BIKRAM PRASAD SAH	<u>Bikram</u>
18	1RI18CV009	CHANDRABHUSHAN MAHATO	<u>Chandrabhushan</u>
19	1RI18CV010	DEEPAK THAKUR	<u>Deepak</u>
20	1RI18CV012	DHARMENDRA KUMAR SAH	<u>Dharmendra</u>
21	1RI18CV013	DHIRAJ KUMAR SAH	<u>Dhiraj</u>
22	1RI18CV014	DHIRAJ SHAH	<u>AB</u>
23	1RI18CV015	DURGESH BATALA	<u>Durgesh</u>
24	1RI18CV017	EVAN RAJ SUBBA	<u>Evan</u>
25	1RI18CV019	JAVED OSTA	<u>Javed</u>
26	1RI18CV020	JAYANDRA RAWAL	<u>Jayendra</u>
27	1RI18CV021	JOHNSWELL SYIEM	<u>Johnswell</u>
28	1RI18CV022	JOSHAN ACHARYA	<u>Joshan</u>





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Department of Civil Engineering

29	1RI18CV024	KHUSHUBU CHAUDHARI	
30	1RI18CV027	MUKESH KUMAR	Mukesh
31	1RI18CV028	PANKAJ KANOJIYA	P
32	1RI18CV029	PANKAJ YADAV	Pankaj
33	1RI18CV030	PRAMIKA A	Pratika
34	1RI18CV031	PRAMOD KUMAR MAHATO	P
35	1RI18CV032	RAMANDIP KUMAR MAHATO	Ram
36	1RI18CV034	RISHU KUMAR CHAURASIYA	Rishu
37	1RI18CV035	SACHENDRA KUMAR YADAV	Sachendra
38	1RI18CV036	SAILESH SAHANI	Sailesh
39	1RI18CV037	SANDEEP KUMAR YADAV	Sandeep
40	1RI18CV038	SANJAY KUMAR SAH	Sanjay
41	1RI18CV039	SANTOSH KUMAR YADAV	Santosh
42	1RI18CV040	SHYAM DEV YADAV	Shyam
43	1RI18CV041	SINCHANA M	Sinchana
44	1RI18CV042	SREEHARI P P	Sreehari
45	1RI18CV045	VINITH G	Vinith
46	1RI19CV400	ARAVIND GOWDA A	Aravind
47	1RI19CV401	ASHMITA DAS	Ashmita
48	1RI19CV402	BEDANTA DOWARAH	Bedanta
49	1RI19CV403	DIVYA H	Divya
50	1RI19CV404	MOHAMMED AKTHAR S A	Mohammed
51	1RI19CV405	PINAK PANI HAZARIKA	Pinak
52	1RI19CV406	SHASHI PREETHAM N	Shashi
53	1RI19CV407	SUMEHI YMBON	Sumehi
54	1RI19CV408	ZAID HASSAN	Zaid

  
CLASS TEACHER  
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Chikkabanavara, Bangalore - 560 090.  
HOD  
R.R. INST. OF TECHNOLOGY  
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## MEMORANDUM OF UNDERSTANDING

**BETWEEN**

RR Institute of Technology, Bengalure 560090

AND

SREE AADITRI CONSULTANCY AND ENGINEERING WORKS

DATE: 04/01/2021

PLACE: BENGALURU

*Malah.*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.  
Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11  
E-mail : rrit@rrinstitutions.com, www.rrit.ac.in, www.rrinstitutions.com



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## PREAMBLE

Whereas, RR Institute of Technology Bangalore -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, Sree aaditri consultancy and engineering works(SACEW) is engaged in construction, research, design and development and consultancy in the field of civil engineering and related fields.

WHEREAS, both RRIT and SACEW, now

- Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on civil engineering related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and SACEW hereby acknowledge, RRIT and SACEW hereby agree to sign a memorandum of understanding (MOU).

  
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## ARTICLE-I: SCOPE OF THE MOU

This MOU details the modalities and general conditions regarding collaboration between RRIT and SACEW for enhancing, within the country, the availability of highly qualified manpower in the areas of civil engineering without any prejudice to prevailing rules and regulations in RRIT and SACEW. The areas of cooperation can be extended through mutual consent.

## ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

Both RRIT and SACEW shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at SACEW;
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by SACEW on mutually agreeable terms.
- e) SACEW would accommodate B.E. students who have completed the 6th semester of their programme in such a number that SACEW deems convenient to it for the purpose of imparting industrial training.
- f) SACEW may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) SACEW personnel, as well as research scholars, may also be allowed to enroll for their Ph.D. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, SACEW may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.
- h) SACEW may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.



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- j) SACEW may showcase its business activities at the seminar/workshop/conference, etc. at RRIT.
- k) SACEW may avail library, Internet, computational facilities at RRIT
- l) Post-graduate student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at SACEW may be appointed a Co- research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech (Regular or Research) degree at RRIT. The student maybe encouraged to take up the project such that SACEW desirably benefits from its outcomes.
- m) The students will carry out part of their Ph.D. research work or M.Tech./B.Tech. project at RRIT and SACEW depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- n) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- o) Both RRIT and SACEW will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- p) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- q) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- r) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- s) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

  
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## ARTICLE-III: SHARING OF FACILITIES

- a) RRIT and SACEW shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and SACEW shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and SACEW shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

## ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- d) The collaborative programme between RRIT and SACEW shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
- e) Financial arrangements for each specific collaboration will be decided on a case- to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## ARTICLE-V: EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.

  
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- d) Any clause or article of the MOU may be modified or amended by mutual agreement of SACEW and RRIT.

## ARTICLE-VI: IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

## ARTICLE-VII: CONFIDENTIALITY

During the tenure of the MOU both RRIT and SACEW will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both RRIT and SACEW shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.

Further both RRIT and SACEW shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- Is or becomes publicly available through no fault of the receiving party,
- Is already in the rightful possession of the receiving party prior to its receipt of such data or information;



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- c) Is independently developed by the receiving party without reference to the confidential information of the disclosing party
- d) Is rightfully obtained by the receiving party from a third party or is in the public domain
- e) Is disclosed with the written consent of the party whose information it is, or
- f) Is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

## ARTICLE-VIII: AMENDMENTS

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

## ARTICLE-IX: RESOLUTION OF DISPUTES

- a) This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Bengaluru.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

*Melash*  
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## ARTICLE-X: MISCELLANEOUS

- The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- Both RRIT and SACEW shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.
- After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

Proprietor

Shree Aaditri Consultancy and Engineering works  
Bengaluru

Date:04/01/2021

For SHREE AADHITRI CONSULTANCY  
AND ENGINEERING WORKS

Proprietor

Principal

Raja Reddy Institute of Technology  
Bengaluru

Date:04/01/2021

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Department of Civil Engineering

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Chairman, PKMET, Bengaluru

### Patron

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Secretary, PKMET, Bengaluru

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC –R. R. Institutions

### Chair Person

**Dr Mahendra K V**

Principal- RRIT Bengaluru

### Convener / Organising Secretary

**Dr. G. Sankara**

HOD,RRIT , Bengaluru

### Organising Committee Members

**Prof. Aishwarya V Kakade**

**Prof. Priyadarshini HP**

Assistant Prof--CV

### Student Members

**Sachendra KV**

**Ashmitha**

## Department of Civil Engineering

Cordially invites all staff & Students for on

## “WORKSHOP ON BUILDING PLANNING”

On 16/08/2021

Friday at 10:00 AM

Venue: Main Seminar Hall

### CHIEF GUEST

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Sri Kiran H R**

Secretary, PKMET, Bengaluru

&

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### GUEST SPEAKER

**Er. Ramesh Kumar-Chief Project Executive**

*Mahendra K V*

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*Dr. G. Sankara*

HOD, RRIT Engrg.

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Chikkabanavara Vision of the college

**Dr Mahendra K V**  
Principal



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Department of Civil Engineering


## Report on building planning workshop


16/06/2021

The department of Civil Engineering had organized association Sree aaditri consultancy and engineering Works with one day "Workshop on Building Planning" on 16/06/2021. Dr Mahendra K V -Principal as Chief guest and proprietor of Sree aaditri consultancy and engineering Works -as main speaker for the workshop. All the staff members from Civil department and final year Civil Engineering students attended the workshop. HOD Dr.G Sankara and Prof B.A.Ranganathan spoke on the importance of the workshop and presidential address by Principal. Vote of thanks was delivered by Prof.Aishwarya V Kakade.

The following points were discussed

- Architectural importance of building planning
- Importance of choosing building materials
- Vendor management
- Building planning of residential structures giving proper lighting using natural resources, cross ventilation, provision of proper standard dimensions etc
- Importance of building bye-laws.
- The workshop mainly focuses on the basics of building planning, design & concept of green building and its application in engineering fields.

Prof. Aishwarya V Kakade 

Prof. Priyadarshini HP 

Conveners

  
Dr G.Sankara

HOD-Civil

HOD Civil Engg.

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## PHOTOS

*[Handwritten signature]*  
Coordinator

*[Handwritten signature]*  
HOD

HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090

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Department of Civil Engineering

## Workshop on building planning STUDENT ATTENDANCE LIST

Sl. No.	USN	Name	Student signature
1	1RI15CV004	Akash C	Akash C
2	1RI6CV001	Aiswarya Cs	Aiswarya Cs
3	1RI6CV011	Basavan Gowda	Basavan Gowda
4	1RI6CV038	Pasbhalang Thabab	← ABSENT →
5	1RI6CV041	Premchandra Naidu	Premchandra Naidu
6	1RI6CV062	Shaniahlang Lyngdoh	Shaniahlang Lyngdoh
7	1RI17CV023	Manoj Gowda H K	Manoj Gowda H K
8	1RI17CV026	M D Imran Ansari	M D Imran Ansari
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16	1RI18CV007	Bikesh Bhattarai	Bikesh Bhattarai
17	1RI18CV008	Bikram Prasad Sah	← ABSENT →
18	1RI18CV009	Chandrabhushan Mahato	Chandrabhushan Mahato
19	1RI18CV010	Deepak Thakur	Deepak Thakur
20	1RI18CV012	Dharmendra Kumar Sah	Dharmendra Kumar Sah
21	1RI18CV013	Dhiraj Kumar Sah	Dhiraj Kumar Sah
22	1RI18CV014	Dhiraj Shah	Dhiraj Shah
23	1RI18CV015	Durgesh Batala	Durgesh Batala
24	1RI18CV017	Evan Raj Subba	Evan Raj Subba
25	1RI18CV019	Javed Osta	Javed Osta
26	1RI18CV020	Jayandra Rawal	← ABSENT →
27	1RI18CV021	Johnswell Syiem	Johnswell Syiem
28	1RI18CV022	Joshan Acharya	Joshan Acharya
29	1RI18CV024	Khushubu Chaudhari	Khushubu Chaudhari
30	1RI18CV027	Mukesh Kumar	Mukesh Kumar



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# R. R. Institute of Technology

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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Civil Engineering

31	IRI18CV028	Pankaj Kanojiya	
32	IRI18CV029	Pankaj Yadav	
33	IRI18CV030	Pramika A	Pramika
34	IRI18CV031	Pramod Kumar Mahato	Pramod Kumar
35	IRI18CV032	Ramandip Kumar Mahato	
36	IRI18CV034	Rishu Kumar Chaurasiya	Rishu
37	IRI18CV035	Sachendra Kumar Yadav	
38	IRI18CV036	Sailesh Sahani	← ABSENT →
39	IRI18CV037	Sandeep Kumar Yadav	
40	IRI18CV038	Sanjay Kumar Sah	Sanjay
41	IRI18CV039	Santosh Kumar Yadav	
42	IRI18CV040	Shyam Dev Yadav	Shyam Dev
43	IRI18CV041	Sinchana M	Sinchana
44	IRI18CV042	Sreehari P P	
45	IRI18CV045	Vinith G	Vinith
46	IRI19CV400	Aravind Gowda A	Aravind Gowda
47	IRI19CV401	Ashmita Das	Ashmita
48	IRI19CV402	Bedanta Dowarah	Bedanta
49	IRI19CV403	Divya H	Divya
50	IRI19CV404	Mohammed Akthar S A	Mohammed Akthar
51	IRI19CV405	Pinak Pani Hazarika	Pinak Pani
52	IRI19CV406	Shashi Preetham N	Shashi Preetham
53	IRI19CV407	Sumehi Ymbon	← ABSENT →
54	IRI19CV408	Zaid Hassan	Zaid Hassan

COORDINATOR

HOD-CIVIL

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090

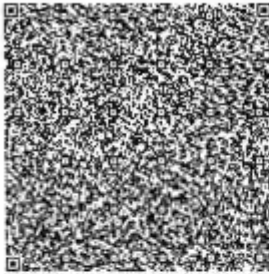


सत्यमेव जयते

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Chikkabanavara, Bangalore - 560 090.

.....Please write or type below this line.....

**MEMORANDUM OF UNDERSTANDING**

This memorandum of understanding is made and executed on November 2017

By and Between

**KARNATAKA SMALL SCALE INDUSTRIES ASSOCIATION**  
#2/106, 17<sup>th</sup> Cross, Magadi Chord Road, Vijayanagar, Bangalore-560040  
Represented by its **Hon. Gen. Secretary**

**Statutory Alert:**

1. The authenticity of this Stamp Certificate should be verified at "www.shciestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.

And

**R R Institute of Technology,**  
Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara,  
Bangalore 560090  
Represented by its **Principal**

**First Party:**

The First Party is a society registered under the society's registration act 1960, an apex body representing Micro and Small Enterprises having jurisdiction of the entire state established during 1949 for safeguarding the interests of micro and small enterprises. The activities comprises of KASSIA News Letter, Promotion, Visibility and Branding of our member companies, KASSIA Industrial Infrastructure Society Ltd., KASSIA Skill development centre, KASSIA centre for Quality Development & Research (KCQDR), Access to KASSIA portal [www.kassia.com](http://www.kassia.com), Information on Incentives, concessions and support services, Information on various policies, Notifications and government orders, Organising interaction meetings & Providing opportunity to our members and providing information, MSME Handbook for information on Government of India, Government of Karnataka schemes & contacts, Presenting collective voice before government on the grievances of our members which impact growth of MSME, Appraise government on policy matters supporting MSME, Digital library with industrial standards in both Kannada & English, Helpdesk-GST, VAT, MSME Data bank, Banking and Finance, KACE- KASSIA Centre of Excellence, Entrepreneurship Development Programs (EDP)

The first party is an apex body representing 8500 MSMEs and having 110 Affiliated Associations all over Karnataka. KASSIA is a state level body, which acts as a bridge between industry and Government on matters related to policy formulation and development of MSMEs. KASSIA has a long history of 67 years and functions on the democratic principles. KASSIA fulfils its objectives through a manifesto and its 32 exclusive panels.

The first party is an ISO 9001-2008 certified Organisation. KASSIA represents on 28 committees of various department both in state and central government. KASSIA has established helpdesks on MSME databank, Banking and Finance, GST.

*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



*K. L. Kumar*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 560 090.



The first party has established a separate panel for Skill Development and Entrepreneurship to foster industry institution linkage and its sphere of activities include, Fostering entrepreneurship among Y-gen, Igniting the ideas of young minds to commercialise, Skilling, re-skilling, up-skilling, Setting up multi skill development centre, Faculty Development programme, Undertake in house training activities, Have a close liaison with NSDC, KVTSDC to take forward Skill India Initiatives, Encouraging innovation and showcasing the projects, Career Guidance, Skill Mapping, MOU's with ITI's, Diploma, Engineering Colleges to embrace entrepreneurship and skill development

### Second Party:

R R Institute of Technology, setup with a mission of imparting education to all sections of society, was established in the year 2008 to render highest standards of academic achievement with moral and social commitments. Converting the idea of providing high quality education combined with excellent infrastructure into a reality in Indian context. Generating a synergistic relationship with the industry with a long term view where the college and the industry could have a mutually beneficial relationship and aims a rigorous, relevant and rewarding education with a special emphasis on practical and technical inputs.

The Institute offers 6 UG courses leading to Bachelor of Engineering in,

- i. Computer Science Engineering
- ii. Mechanical Engineering
- iii. Electrical and Electronics Engineering
- iv. Electronics and communication Engineering
- v. Information science Engineering
- vi. Civil Engineering

2 PG courses leading to

- i. M.Tech in Digital Electronics & Communication
- ii. M.Tech in Computer Science and Engineering

And also research programs of VTU, Belagavi leading to M.Sc.engg (By Research) & PhD for Mechanical Engineering and Electronics and Communication Engineering.

The institute is well equipped with highly qualified teaching faculties and enthusiastic and energetic students. The result of this is evidentiary in setting up

of various clubs/cells/committees, organising over 240 programmes imparting the students to grab the external industrial opportunities.

*M. S. S.*  
PRINCIPAL



**NOW, THEREFORE, THE PARTIES HERETO HEREBY AGREE AS FOLLOWS:**

**First party:**

- The first party will associate with the colleges to undertake industrial Skill Awareness program and nuances of entrepreneurship.
- The first party will organize career guidance for students and inculcate the habit of entrepreneurship among the youth.
- The first party would undertake industrial; awareness programs to the faculty.
- The first party would help in igniting the young minds through their vast pool of entrepreneurs.
- The first party would inform the colleges on the udyoga mela's supported by it.
- The first party would organize theme based innovative projects platform to showcase the projects to be christened as innovation congress.
- The first party would share its facilities of the Skill Development Centre to train students in Engineering and Management Skills.
- The first party and second party would leverage each other's strengths to give a fillip to Skill Development and Entrepreneurship.

**Second party:**

- The second party agrees to provide its infrastructures (Such as Auditorium, Incubators, Laboratories) for conducting program of Skill Development and Entrepreneurship.
- The second party should share the students database to first party for Skill Development and Entrepreneurship Development Activities.
- The second party have to inform first party on the needs of students activities under Skill Development and Entrepreneurship Development.

**Rights and obligations**

The mutual rights and obligations of the First Party and the Second Party shall be as set forth in the Agreement, in particular:

*M. S. S.*  
PRINCIPAL

*[Signature]*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 560 090.

### **Governing law and jurisdiction**

This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the courts at Karnataka shall have exclusive jurisdiction over matters arising out of or relating to this Agreement.

### **Language**

All notices required to be given by one Party to the other Party and all other communications, documentation and proceedings which are in any way relevant to this Agreement shall be in writing and in English language.

### **Authorised representatives**

Any action required or permitted to be taken, and any document required or permitted to be executed, under this Agreement by the First Party or the Second Party, as the case may be, may be taken or executed by the officials specified as under,

#### **Hon. General Secretary,**

Karnataka Small Scale Industries Association

2/106, 17<sup>th</sup> Cross, Magadi Chord Road,

Vijayanagar, Bangalore-560040

Phone: +91-80-23353250/23358698, Fax: 2338 7279 / 2335 3250

Email: [presidentkassia@gmail.com](mailto:presidentkassia@gmail.com)/[kassia1949@kassia.com](mailto:kassia1949@kassia.com)

Unless otherwise notified, the Second Party's Representative shall be:

#### **The Principal,**

R R Institute of Technology,

Raja Reddy Layout, Hesaraghatta Main Road,

Chikkabanavara, Bangalore 560090.

Phone: 080-28391553, Fax: 28391552

Email: [rrit@rrinstitutions.com](mailto:rrit@rrinstitutions.com)

## **COMMENCEMENT, COMPLETION AND TERMINATION OF AGREEMENT**

### **Effectiveness of Agreement**

This Agreement shall come into force and effect on the date of this Agreement or Date on which the First Party and Second Party both sign and exchange.

*M. S. S.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



### **Commencement of Services**

The Second Party shall commence the respective Services immediately from the date of the agreement.

### **Expiration of Agreement**

Unless terminated earlier this agreement shall be valid for a period of 3 year unless extended by the Parties by mutual consent.

### **Modification of Agreement**

Modification of the terms and conditions of this Agreement, including any modification of the scope of the Services, may only be made by written agreement between both the Parties. No Amendment for change hereof or addition hereto shall be effective or binding on either of the parties hereto unless set in writing and executed by the respective duly authorized representatives of each of the parties hereto.

### **Force Majeure**

The Parties shall not be liable to each other for failure or delay in the performance of any of its obligations under this Agreement for the time and to the extent such failure or delay is caused by riots, civil commotion, wars, hostilities between nations, government laws, orders regulations, embargos, action by the government(s) or any agency thereof act of God, storms, fires, accidents, strikes, sabotages, explosions, or other similar or different categories beyond the reasonable control of the respective parties to this Agreement In the event that either party is wholly or in part, prevented from or hindered in carrying out or observing any of the terms or conditions of this Agreement for any cause set forth hereinabove, such party shall give written notice to the other party by the most expeditious means as soon as possible after the occurrence of the cause relied on, given full particulars of the reason for such prevention or hindrances, and the party shall in good faith consult each other and take necessary measures for the resolution of the affairs so prevented or hindered.

### **Termination of Agreement**

The first party and the second party hereby agree to terminate agreement at any time with the consent of both the parties.

In WITNESS WHEREOF, the parties hereto have caused this agreement to be made in English and executed by their respective duly authorized representatives of the day and the year first above written

*M. S.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



*[Signature]*  
PRINCIPAL  
R.R. INSTITUTE OF TECH  
Hesaragouda Main Road  
Chikkabanavara, Bangalore - 90

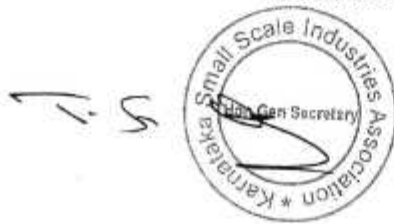
For  
Karnataka Small Scale Industries Association  
(First Party)  
Name: T S UMASHANKAR  
Designation: Hon. General Secretary  
Date:



For  
R R Institute of Technology,(Second Party)  
Raja Reddy Layout, Hesaraghatta Main Road,  
Chikkabanavara, Bangalore 560090.  
Name: Dr. M. S. Bhagyashekar  
Designation: Principal  
Date:

*B. S. Bhalla*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

\*\*\*\*\*



*B. S. Bhalla*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

*M. S. Bhalla*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

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Raja Reddy Layout, Chikkabannavara, Bengaluru - 560 090

-PKM Educational Trust ®

Department Of Civil Engineering

## ORGANIZING COMMITTEE

### Chief Patron

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### Administrators

**Prof. Maya Salimath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr. J G Bhatt**

Principal- RRIT Bengaluru

### Organising Secretary

**Dr. G Sankara**

HOD, Civil Department

### Organising Committee Members

**Prof. Gunasheela P**

Asst prof, Civil Department

**Prof. Priyadarshini H P**

Asst prof, Civil Department

### Student Members

**Mr. Deepeesh Yadav**

**Ms. Priyanka Thakur**

**Mr. Rakesh S**

## Department of civil engineering

Cordially invites all students for

Seminar

On

**"Applications of Software in Civil Engineering"**

On

**20<sup>th</sup> February 2020**

at

**10.00AM**

Venue: CADD lab

### CHIEF GUEST

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

&

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### SPEAKER

**Mr T.S Umashankar**

Hon General Secretary, SSI

**Dr. J G Bhatt**

PRINCIPAL

*J G Bhatt*  
HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabannavara, Bangalore - 560 090

*Melak*  
PRINCIPAL

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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Civil Engineering

Date:21-02 2020

## Seminar Report on Applications of Software in Civil Engineering

Civil Engineering Department along with Karnataka small Scale Industries Association organized a Seminar on “Applications of Software in Civil Engineering” for final and pre final year students.,Mr T.S Umashankar Hon General Secretary of “Karnataka small Scale Industries Association inaugurated the function and also main speaker . Prof .Deepika Assistant professor in Civil engineering department made welcome speech, Prof R S Patil Assistant professor in Civil engineering department introduced the speaker Dr G Sankara , HOD-Civil engineering department spoke on the importance of SSI . Prof Jagadeesh B N and Prof Gunasheela P Assistant professors in Civil engineering department delivered vote of thanks speech .All the student's 65 of 8th semester civil engineering students and departmental faculty members attended the seminar. The program started at 10.00AM ended at 4.0PM on 20<sup>th</sup> February 2020

The High lights of the seminar are:

- To highlight on the importance of Intellectual property rights in civil engineering.
- Intellectual property rights-important for Civil Engineers for town planning, contract with various agencies and clients.
- ETABS 2015-Integrated Analysis. Design & Drafting of building system.
- Model creation, Editing, Loading & Analysis
- Loading the structure for Earthquake, Wind & Temperature
- Design of RCC members
- Etabs advanced.
- Loading of Structure
- Analysis of loading
- Checking the model
- Construction sequence
- Creating the model.

*M. S. S.*  
PRINCIPAL

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Department of Civil Engineering



### Conveners

Prigadalinia HP

Gowachek P

HOD-Civil

R.R. INST. OF TECHNOLOGY  
Chikkabnnavara, Bengaluru - 560 090

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabnnavara, Bangalore - 560 090.





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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Civil Engineering

## Stuent attendane list- Applications of software in Civil Engineering

SI No	USN	Name of Student	SIGN
1	1RI14CV055	Rakesh S	
2	1RI14CV069	Shreehari G V	
3	1RI14CV085	Vinod Kumar K	
4	1RI15CV035	Kavyashree s	
5	1RI15CV045	Madhushalini D	
6	1RI14CV021	Sachin Ghannale	
7	1RI14CV023	Harikrishna B	<del>ABSENT</del>
8	1RI14CV059	Rutvik K	
9	1RI14CV061	Sachin Ramesh	
10	1RI14CV063	Sampath H L	<del>ABSENT</del>
11	1RI15CV063	Rashmi B M	
12	1RI15CV081	Suhas R C	
13	1RI15CV085	Suraj D	
14	1RI15CV038	Lakshmi narasimha C	<del>ABSENT</del>
15	1RI15CV067	Rohan G S	<del>ABSENT</del>
16	1RI15CV091	Waseem ali khan	<del>ABSENT</del>
17	1RI16CV002	Ajay Kumar Yadav.	
18	1RI16CV005	Amit prasad shah	
19	1RI16CV008	Arpitha M P	
20	1RI16CV010	Bablu chaudhary	
21	1RI16CV012	Bhupal singh ale	
22	1RI16CV004	Amar kumar gupta	<del>ABSENT</del>
23	1RI16CV016	Charan R	
24	1RI16CV035	Nayana M	
25	1RI16CV042	Priyanka Thakur	
26	1RI16CV043	Raghendra Yadav	
27	1RI16CV014	Bimash Bhattasai	
28	1RI16CV015	Bramachari paswan	
29	1RI16CV017	Deepesh kumar yadav	
30	1RI16CV020	Jigyash jyothi kalita	<del>ABSENT</del>
31	1RI16CV050	Remika Lyngdoh	
32	1RI16CV051	Rohit Katwal	
33	1RI16CV054	Rupesh Kumar Yadav	

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Chikkabanavara, Bangalore - 560 090.

34	IRI16CV056	Samim Safi	Safi
35	IRI16CV060	Santhosh Kumar Yadav	Santhosh
36	IRI16CV021	K R Venkatesha	K.R. Venkatesha.
37	IRI16CV023	Kavya K H	Kavya
38	IRI16CV025	Komal	Komal.
39	IRI16CV026	K U Janabai	Janabai
40	IRI16CV028	Manish yadav	Manish.
41	IRI16CV067	Sikendra Kumar Mukhiya	Sikendra
42	IRI16CV068	Soundarya K	Soundarya.
43	IRI16CV071	Sushma B	Sushma
44	IRI16CV073	Tejas H M	— ABSENT —
45	IRI16CV074	Vijay M	Vijay M
46	IRI16CV029	Manoj adhikari	Manoj
47	IRI16CV032	Mohammad jahir dewan	Mohammad jahir dewan
48	IRI16CV033	Mokhtar ansari	Ansari
49	IRI16CV036	Niraj kumar jha	Niraj
50	IRI16CV039	Prabina sharma	Prabina
51	IRI16CV076	Vinod S	— ABSENT —
52	IRI16CV077	Yashas K M	Yashas
53	IRI16CV078	Yashaswini Yadav H A	Yashaswini.
54	IRI16CV079	Harish D	Harish
55	IRI16CV082	Lefuma Stephen Monyane	Lefuma
56	IRI16CV044	Rajkishor Sha	Rajkishor
57	IRI16CV048	Ram Narayan Yadav	Ram Narayan
58	IRI16CV080	Kiran J	Kiran J
59	IRI16CV084	Anfoz Ali M A	— ABSENT —
60	IRI16CV086	Sindhu M S	Sindhu
61	IRI17CV406	Harakabhavi Basavanagowda	Harakabhavi
62	IRI16CV413	Ibadahun Mary L	Ibadahun
63	IRI16CV450	Tumke Gadi	Tumke
64	IRI17CV404	Divya Y K	Divya
65	IRI16CV087	Thippeswamy C	— ABSENT —
66	IRI16CV436	Rishikesh jivan badgujar	Rishikesh
67	IRI17CV400	Aishree debbarma	Aishree.
68	IRI17CV409	Manjunath H	Manjunath
69	IRI17CV410	MD Himayatullah	MD Himayatullah
70	IRI17CV424	Sujit Mallik	— ABSENT —
71	IRI17CV408	Jaichand kumar gupta	Gupta.
72	IRI17CV417	Parli Das	Parli
73	IRI17CV422	Sheraj Ahamad	Sheraj
74	IRI17CV423	Shubangar paul	Shubangar
75	IRI17CV425	Tanisha Biswas	Tanisha
76	IRI17CV427	Lohith C M	Lohith C.M.
77.		Sudheep.	Sudheep.

Coordinators  
Pragada Institute.

Principal  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090  
Page 418 of 713

# MEMORANDUM OF UNDERSTANDING

BETWEEN

R.R. Institute of Technology, Bengaluru-560090

AND

Kites Construction Academy, Bengaluru-560097

PRINCIPAL  
R.R. Institute of Technology  
Bangalore-560 090

*M. S. Kumar*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*R. J. Datta*  
11/5/18  
(R. J. Datta)  
*L. P. Venkatesh Kumar*  
11/5/18  
(L. P. Venkatesh Kumar)

## PREAMBLE

Whereas, R.R. Institute of Technology, Bengaluru 560090 (RRIT) at its various engineering and sciences departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing scientific and technological knowledge and professional excellence in Science & Technology by undertaking industrial & applied research and consultancy.

WHEREAS, Kites Construction Academy, Bengaluru-560097(Kites) is engaged in providing training programs and value added skill development courses in Civil Engineering domain and conducts corporate training programs in line with their organizational standards like execution, QA/QC, QS, Project Planning and Management, research, design and development and consultancy in the field of Civil Engineering and related fields.

WHEREAS, both R.R. Institute of Technology and Kites Construction Academy, now

- Recognizing the importance of Practical training and development in the areas of Construction Industry, as well as imparting industrial training to the engineering/technology/sciences students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to Civil Engineering.
- Desiring to club their efforts by pooling their expertise and resources,

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and Kites hereby acknowledge, RRIT and KCA hereby agree to sign a memorandum of understanding (MOU).

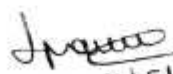
### SCOPE OF THE MOU

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

This MOU details the modalities and general conditions regarding collaboration between RRIT and KCA for enhancing, within the country, the availability of highly qualified manpower in the areas of Civil Engineering without any prejudice to prevailing rules and regulations in RRIT and KCA without any disregard to any mechanism evolved and approved by the competent authorities under Govt. of India in so far as such mechanism applies to RRIT and KCA. The areas of cooperation can be extended through mutual consent.

PRINCIPAL  
R.R. Institute of Technology  
Bangalore-560 090

  
11/5/18  
(R. J. Bhat)

  
11/5/18  
(K. Pramesh Kumar)

## SCOPE AND TERMS OF INTERACTIONS

Both RRIT and KCA shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at KCA;
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by KCA on mutually agreeable terms.
- e) KCA would accommodate B.E. Civil Engineering students who have completed the 6<sup>th</sup> semester of their programme in such a number that KCA deems convenient to it for the purpose of imparting industrial training.
- f) KCA may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) KCA personnel, as well as research scholars, may also be allowed to enrol for their Ph.D./M.Tech. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, KCA may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.
- h) KCA may seek assistance/guidance of RRIT faculty member/s in modulating course material, workshop, seminars etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
- j) KCA may showcase its business activities at the seminar/workshop/conference, etc. at RRIT.
- k) Graduate/Post-graduate Civil Engineering student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at KCA may be appointed a Co-research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech/B.E. (Regular or Research) degree at RRIT. The student maybe encouraged to take up the project such that Civil Engineering Industry desirably benefits from its outcomes.
- l) The students may carry out part of their Ph.D. research work or M.Tech./B.E. project at RRIT and KCA depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- m) Both RRIT and KCA will be free to independently carry out follow-up research on the thesis work conducted under this scheme.

*R.S. Patil*  
11/5/18  
(R.S. Patil)  
*L. Praveen Kumar*  
4/5/18  
(L. Praveen Kumar)

PRINCIPAL  
R.R. Institute of Technology  
Bangalore-560 090

*M. Lakshmi*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
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- p) If the outcome of a project related to material development, innovative technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- q) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- r) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- s) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

#### SHARING OF FACILITIES

- a) RRIT and KCA shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and KCA shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and KCA shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

#### CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

*M. Lakshmi*  
PRINCIPAL

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- a) The collaborative programme between RRIT and KCA shall be coordinated by a coordination committee appointed by Head of Department, Civil Engineering, RRIT.
- b) Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

*R. J. Patil*  
11/5/18  
(R. J. Patil)

*J. Praveen Kumar*  
11/5/18  
(J. Praveen Kumar)

PRINCIPAL  
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Bangalore-560 090

### EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than three months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of KCA and RRIT.

### AMENDMENTS

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

### RESOLUTION OF DISPUTES

- a) This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Bengaluru.
- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

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Bangalore-560 090


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PRINCIPAL  
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Chikkabanavara, Bangalore - 560 090.

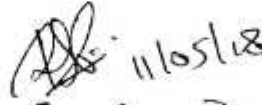
*R.S. DAS*  
11/5/18  
(R.S. DAS)


*Prasen Kumar*  
11/5/18  
(I. Prasen Kumar)

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

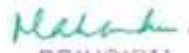
  
Director (L. Praveen Kumar)  
Kites Construction Academy  
Bengaluru-560097

  
Prof & Head  
Department of Civil Engineering  
R.R. INST. OF TECHNOLOGY  
RRTI, Bengaluru-560090

  
11/05/18  
(R.S. PATEL)  
Program Co-ordinator  
Department of Civil Engineering  
Bengaluru-560090

  
Principal  
R.R. Institute of Technology  
Bengaluru-560090

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Bangalore-560 090

  
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Chikkabanavara, Bangalore - 560 090.



# Internship Completion Certificate

This is to certify that MOHINI SUBBA worked as an intern with  
Kites Construction Academy from 9-7-2018 to 9-8-2018.

He was working with us on SITE ENGINEERING. His Tenure was excellent  
during his tenure as an intern in the Company.



Kites  
Construction  
Academy

Your Career Our Mission

*M. R. R.*  
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Chikkabanavara, Bangalore - 560 090.

*[Signature]*  
KITES CONSTRUCTION ACADEMY  
Vidyaranya, Bengaluru-97

PRINCIPAL

*[Signature]*  
KITES CONSTRUCTION ACADEMY  
Vidyaranya, Bengaluru-97

PRESIDENT

# R R INSTITUTE OF TECHNOLOGY

&

# ZAK CONSULTANTS

*M. Lakshmi*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*H. S. S. S.*  
27/6/18

*H. S. S. S.*  
27/6/18

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Undertaking is made on this day, between R.R. Institute of Technology, Bengaluru 560090 (RRIT) at its various engineering and sciences departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing scientific and technological knowledge and professional excellence in Science & Technology by undertaking industrial & applied research and consultancy.

WHEREAS, ZAK Consultants is a Multi disciplinary Consultancy Organization with motto to provide Comprehensive Affordable Quality Services across all disciplines of construction to ensure timely and cost-effective deliverable having the required registrations with Statutory Bodies is engaged in conducts corporate training programs in line with their organizational standard in structural engineering, research, design and development and consultancy in the field of Civil Engineering and related fields.

WHEREAS, both R.R. Institute of Technology and ZAK Consultants, now

- Recognizing the importance of research and development in the areas Civil/ Structural Engineering, as well as imparting industrial training to the engineering/technology/sciences students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to Civil/ Structural Engineering.
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on exchange of technical expertise and related fields etc.

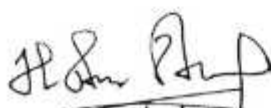
NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and ZAK Consultants hereby acknowledge, RRIT and ZAK Consultants hereby agree to sign a memorandum of understanding (MOU) on 27/06/2018.

  
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Chikkabanavara, Bangalore - 560 090.


## SCOPE AND TERMS OF INTERACTIONS

Both RRIT and ZAK Consultants shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

  
27/6/18

  
27/6/18

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of RRIT students at ZAK Consultants;
- d) ZAK Consultants would accommodate B.E. Civil Engineering students who have completed the 6<sup>th</sup> semester of their programme in such a number that Kites deems convenient to it for the purpose of imparting industrial training.
- e) ZAK Consultants may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics,
- f) ZAK Consultants may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.
- g) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
- h) ZAK Consultants may showcase its activities through the seminar/workshop/conference, etc. at RRIT.
- i) Graduate/Post-graduate Civil Engineering student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at ZAK Consultants may be appointed a Co-research guide as per the rules of the respective institute for a student Registered for Ph.D/ M.Tech/B.E. (Regular or Research) degree at RRIT. The student maybe encouraged to take up the project such that desirably benefits from its outcomes.
- j) Both RRIT and ZAK Consultants will be free to independently carry out follow-up research on the thesis work conducted under this scheme. If the outcome of a project related to material development, innovative technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
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- q) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- r) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.
- s) The collaborative programme between RRIT and ZAK Consultants shall be coordinated by a coordination committee appointed by Directors of both the Institutes.

  
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PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

## Amendment to the MOU

The obligation of the RRIT and ZAK Consultants have been outlined in this agreement. However, during the operation of the agreement, circumstances may arise which call for alteration or modifications of this Agreement. These modifications/alterations will be mutually discussed and agreed upon in writing.

## Period of Validity

This MOU shall be initially valid for three years from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.

## Arbitration

Any dispute arising with regard to any aspect of this Agreement shall be settled through mutual consultations and agreements by the parties to the Agreement.



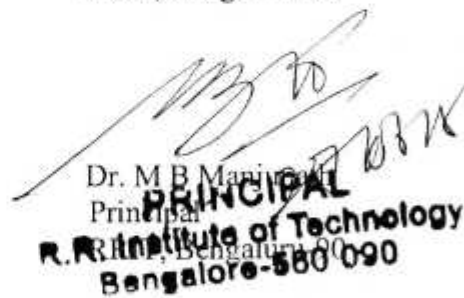
Mr. H Azeez Ahmed  
Principal Consultant  
Zak Consultants  
Bengaluru- 560095



R S Patil  
Co-ordinator  
Department of Civil Engineering  
RRIT, Bengaluru-90



Dr. Basavaraj N Itnal  
Professor & Head,  
Department of Civil Engg.  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090



Dr. M B Manjunath  
Principal  
R.R. Institute of Technology  
Bengaluru-560 090



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# R.R. INSTITUTE OF TECHNOLOGY

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## DEPARTMENT OF CIVIL ENGINEERING

Date:14/08/2018

### CIRCULAR

The department of Civil Engineering is organizing Guest Seminar on "Alternative Roofing System" association with M/s ZAK Consltancy | 16/08/2018 for 4<sup>th</sup>, 6<sup>th</sup>, and 8<sup>th</sup> semester students. All students must attend the seminar at Main Seminar hall at 9:30AM.

  
**Coordinator**

  
**HOD**

HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabavara, Bangalore - 560 090

*[Faint, illegible handwritten text, likely a list of names or a distribution list]*

  
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Date: 16/08/2018

### Guest Seminar Report

Civil Engineering Department along with M/s ZAK Consultancy organized a Seminar on "Alternative Roofing System". Mr. Azeed Ahmed "Principal Consultant M/s ZAK consultancy" was the main speaker and supported by Mr. Vivek Prasad R -Manager -M/s ZAK consultancy -Bangalore. Dr. Basavaraj N. Itnal, HOD-Civil engineering department introduced the speaker and made a welcome speech. All the students of 4th, 6th and 8th semester and departmental faculty members attended the seminar. The program started at 10.00 AM and ended at 4.00 PM on 16th August 2018.

The High lights of the seminar are:

- Present roofing systems
- Research development on alternative roofing materials available.
- Time cost of present roofing system
- Skilled labor requirements in system
- Cost of alternative roofs
- Dome roof
- Filler slabs
- Madras roofing system
- Vault roof
- Comparative statement of costs on roofs
- Concrete tile roof
- Advantages of concrete technology.

*M. M. M.*  
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Deepika R - *[Signature]*

Gunasheela P - *[Signature]*

Conveners

*[Signature]*

HOD-Civil

HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090

*[Signature]*

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Chikkabanavara, Bangalore - 560 090.



**R.R INSTITUTE OF TECHNOLOGY, CHIKKABANAVRA**  
**DEPARTMENT OF CIVIL ENGINEERING**

**STUDENT LIST**

SLNo	USN	Name of the Student	Signature
1	1RI14CV039	Md. Rahul Ahmed	R.A.H.
2	1RI14CV063	Sampath H L	Sampath H L
3	1RI14CV069	Shreehari G V	Shreehari G V
4	1RI14CV074	Sreemanth M	Sreemanth M
5	1RI14CV078	Sunil A S	Sunil A S
6	1RI15CV006	Akash Debnath	Akash Debnath
7	1RI15CV014	Ajaz R Yallapur	Ajaz R Yallapur
8	1RI15CV015	Balaji M S Gowda	Balaji M S Gowda
9	1RI15CV020	Chethan Kumar D S	Chethan Kumar D S
10	1RI15CV033	Kavana M P	Kavana M P
11	1RI15CV034	Kavitha S P	Kavitha S P
12	1RI15CV037	Kumarswamy N M	Kumarswamy N M
13	1RI15CV038	Lakshmi Narasimhan C	Lakshmi Narasimhan C
14	1RI15CV043	Likith kumar T	Likith kumar T
15	1RI15CV048	Maruthi M	Maruthi M
16	1RI15CV050	Mishanth Shah	Mishanth Shah
17	1RI15CV051	Mohammed Mohaseen	Mohammed Mohaseen
18	1RI15CV055	Nisarga D N	Nisarga D N
19	1RI15CV057	Panpong Aboh	Panpong Aboh
20	1RI15CV065	Ravi sen L	Ravi sen L
21	1RI15CV067	Rohan G S	Rohan G S
22	1RI15CV072	Saphal panthi	Saphal panthi
23	1RI15CV075	Shevale omkar Dhanaji	Shevale omkar Dhanaji
24	1RI15CV081	Suhas R C	Suhas R C
25	1RI15CV084	Sunitha N	Sunitha N
26	1RI15CV091	Waseem Ali Khan M	Waseem Ali Khan M
27	1RI15CV093	Yashaswini K S	Yashaswini K S
28	1RI15CV095	Shalini A	Shalini A
29	1RI16CV402	Andrew Augustine A	Andrew Augustine A
30	1RI16CV403	Anil Shivanand Yalameli	Anil Shivanand Yalameli
31	1RI16CV406	Binit kumar Shrivastwa	Binit kumar Shrivastwa
32	1RI16CV409	Deeptam Nandi	Deeptam Nandi
33	1RI16CV410	Dina Nangtdu	Dina Nangtdu
34	1RI16CV415	Janardhan V	Janardhan V
35	1RI16CV418	Keerthi V	Keerthi V
36	1RI16CV420	Kishor H N	Kishor H N
37	1RI16CV421	Komalakshi H S	Komalakshi H S
38	1RI16CV424	Madhav paudel	Madhav paudel
39	1RI16CV425	Manasa B	Manasa B
40	1RI16CV426	Mark Arkipykhraw Cajce	Mark Arkipykhraw Cajce
41	1RI16CV430	Prajwal Anand Kumar H	Prajwal Anand Kumar H
42	1RI16CV432	Rajesh R	Rajesh R
43	1RI16CV445	Sridhar K	Sridhar K
44	1RI16CV446	Suvankar Dey	Suvankar Dey
45	1RI16CV451	Tumto bagra	Tumto bagra
46	1RI16CV453	Dhanraj P T	Dhanraj P T
47	1RI14CV085	Vinod Kumar K	Vinod Kumar K

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**R.R INSTITUTE OF TECHNOLOGY,CHIKKABANAVRA  
DEPARTMENT OF CIVIL ENGINEERING**

**STUDENT LIST**

SLNo	USN	Name of the Student	Signature
1	IRI16CV401	Amrutha C K	Amrutha C K
2	IRI16CV431	Pruthviraj S J	Pruthviraj S J
3	IRI15CV079	Sourabh thakur	Sourabh thakur
4	IRI15CV019	Chethan V C	Chethan V C
5	IRI15CV011	Anu S	Anu S
6	IRI14CV078	Sunil A S	Sunil A S
7	IRI14CV074	Sreemath M	Sreemath M
8	IRI16CV437	Sagar.S.Navalgund	Sagar.S.Navalgund
9	IRI16CV424	Madhav Paudel	Madhav Paudel
10	IRI16CV409	Deeptam Nandi	Deeptam Nandi
11	IRI16CV427	Masud Parbhej	Masud Parbhej
12	IRI16CV437	Sagar.S.Navalgund	Sagar.S.Navalgund
13	IRI16CV443	SildevKumar Ray	SildevKumar Ray
14	IRI16CV442	Shivraj.C.K	Shivraj.C.K
15	IRI16CV404	Arindam Sarker	Arindam Sarker
16	IRI15CV068	Sachin	Sachin
17	IRI15CV047	Marouf Ahmad Khan	Marouf Ahmad Khan
18	IRI15CV031	Jyoti Ojha	Jyoti Ojha
19	IRI14CV080	Thejaswini. U	Thejaswini. U
20	IRI15CV057	Punpong Aboh	Punpong Aboh
21	IRI15CV043	Lakith Kumar T	Lakith Kumar T
22	IRI15CV017	Bhagya Lakshmi S E	Bhagya Lakshmi S E
23	IRI15CV051	Mohammad Mohaseen	Mohammad Mohaseen
24	IRI15CV066	Rekha S Neeralagi	Rekha S Neeralagi
25	IRI15CV021	Darshan Bhandari	Darshan Bhandari
26	IRI15CV029	Harshitha R	Harshitha R
27	IRI15CV080	Srijan Shrestha	Srijan Shrestha
28	IRI15CV072	Saphal Panthi	Saphal Panthi
29	IRI15CV040	Laxman Kumar Sharma	Laxman Kumar Sharma
30	IRI16CV406	Binit kumar Shrivastwa	Binit kumar Shrivastwa
31	IRI16CV414	Indrajit Kumar Yadav	Indrajit Kumar Yadav
32	IRI15CV050	Mishanth Shah	Mishanth Shah
33	IRI16CV417	Kavya P	Kavya P
34	IRI16CV422	Krupa T	Krupa T
35	IRI16CV408	Chethan C	Chethan C
36	IRI15CV077	Sonal S kurdekar	Sonal S kurdekar
37	IRI16CV441	Shilpa K G	Shilpa K G
38	IRI16CV439	Sanjay kumar J	Sanjay kumar J
39	IRI16CV433	Ramya T.S.	Ramya T.S.
40	IRI16CV412	Harshakumar V S	Harshakumar V S
41	IRI15CV055	Nisarga D N	Nisarga D N
42	IRI16CV425	Manasa B	Manasa B
43	IRI16CV432	Rajesh R	Rajesh R
44	IRI15CV093	Yashaswini K S	Yashaswini K S
45	IRI15CV026	Gururaj Y S	Gururaj Y S
46	IRI15CV042	Lakith Kumar J	Lakith Kumar J
47	IRI16CV444	Spoorthi V	Spoorthi V
48	IRI15CV036	Keerthi Kumar	Keerthi Kumar
49	IRI15CV020	Chethan Kumar D S	Chethan Kumar D S
50	IRI15CV075	Shevale Omkar Dhanaji	Shevale Omkar Dhanaji
51	IRI16CV402	Andrew Augustine A	Andrew Augustine A
52	IRI16CV403	Anil Shivanand Y	Anil Shivanand Y
53	IRI15CV014	Ajaz R Yallapur	Ajaz R Yallapur
54	IRI15CV033	Kavan M P	Kavan M P
55	IRI15CV032	Karthik H P	Karthik H P
56	IRI16CV448	Syed zabeer	Syed zabeer
57	IRI16CV418	Keerthi.H	Keerthi.H
58	IRI15CV046	Mallikarjun V Sarwad	Mallikarjun V Sarwad
59	IRI14CV050	Prakas A S	Prakas A S
60	IRI14CV022	Govinda raj V	Govinda raj V
61	IRI16CV421	Komalakshi H S	Komalakshi H S
62	IRI16CV415	Janardhan V	Janardhan V
63	IRI16CV428	Mohankumari.H	Mohankumari.H
64	IRI16CV430	Prajwal Anand Kumar H	Prajwal Anand Kumar H
65	IRI16CV405	Bhaskar R	Bhaskar R
66	IRI16CV419	Kirankumar B H	Kirankumar B H
67	IRI15CV095	Shalini A	Shalini A
68	IRI14CV047	Naveen L	Naveen L
69	IRI16CV453	Dhanaraj P T	Dhanaraj P T
70	IRI16CV454	Keerthi B	Keerthi B
71	IRI16CV423	Kushal Suresh Pathania	Kushal Suresh Pathania
72	IRI16CV438	Sanjay D	Sanjay D
73	IRI15CV048	Maruthi M	Maruthi M
74	IRI15CV006	Akash Debnath	Akash Debnath
75	IRI16CV420	Kishor H N	Kishor H N
76	IRI16CV407	Bishal Gupta	Bishal Gupta
77	IRI15CV098	Anusha G	Anusha G
78	IRI15CV097	Anuradha M B	Anuradha M B
79	IRI14CV087	Kavya B R	Kavya B R
80	IRI16CV455	Sachin S	Sachin S

*Mahesh*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabannavara, Bangalore - 560 090.

*B R*

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) entered on the 7<sup>th</sup> June 2018

By and Between

**SYNERGY, Basaveshwaranagar, Bangalore** having its office at #28, HIG, 2<sup>nd</sup> Floor, N. V Arcade, 1<sup>st</sup> Cross, 2<sup>nd</sup> Stage, KHB Colony, Havanur Circle, Basaveshwaranagar, Bangalore – 560 079 (hereinafter referred as “SYNERGY” for the sake of brevity) and represented by its **Business Head, Mr Ameet Gogi** (which expression shall mean and include its successors in office and assigns)

and

**R R Institute of Technology** (hereinafter referred as “College” for the sake of brevity), is approved by All India Council for Technical Education (AICTE) Govt. of India and an affiliated to Visvesvaraya Technological University having its campus at Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara, Bengaluru, Karnataka 560090 and represented by its **Principal** (which expression shall mean and include its successors in office and assigns)

### **Objectives of the Collaboration:**

1. To provide employable skills to the student during their course at the college.
2. Make the student aware of the latest tools and techniques at an affordable fee in order to keep them industry ready at the end of their course.
3. Maximize placement opportunities for students from all the courses.
4. To build the confidence level of the student to face the challenges of the real time.

This Memorandum of Understanding is to conduct a **Unique, Systematic and Employable Skills Development Program and Internship** for the students of the college towards achieving the objective of maximizing the employable opportunities for students of the College.

This Memorandum of Understanding states the terms and conditions under which the **Trainings** shall be conducted by SYNERGY at the College premises and lists herein the respective responsibilities of both parties.

  
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Chikkabanavara, Bangalore - 560 090.

1 | Page

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## **PREAMBLE:**

For a student to be recruited by a good company, over and above the subject knowledge, he/she is expected to have the following:

1. Strong Fundamental Engineering Knowledge
2. Engineering related Multiple Technical Skills - Develop skills that add value.
3. Communication & other Soft Skills

While Subject Knowledge would be provided by the college, SYNERGY will equip the students with required industry specific technical, project management and people skills.

On one hand, thousands of unemployed Engineering graduates are not finding suitable jobs, while on the other hand, Industry requires millions of young minds at all levels but are unable to find the right candidates. This is because of the skill gap that exists between academic institutions and industry requirements. This skill gap is sought to be minimized for the students of the “College” by facilitating them to acquire the appropriate and relevant skills at the college itself.

Through this collaboration, SYNERGY will prepare the students of the “College” to be ready for industry by the time they enter the final semester and for this the students have to be nurtured and trained in different areas from the very beginning. Keeping in mind the academic program and the progressive skill development cycle in mind, the programs are spread across their semesters.

## **SYNERGY Shall Provide**

- The required trainers for the course and the training program would be instructor led.
- Comprehensive SYNERGY reference books to all students for each course as part of the course.
- Periodical assessment on the progress of students for their further improvements.
- The ‘Certificate of Completion’ to every student who successfully completes the training program every semester.

- “Certificate of Association” from SYNERGY to the college
- Provide Permission to use SYNERGY logo as the Skill Development Partner
- Organize Campus and Off-Campus interviews for the final year students based on the requirements for SYNERGY and its clients
- Welcome College to use SYNERGY, strategically based on the need

### The College Shall Provide

- The required number of computer systems in the lab and other required infrastructure for the practice and its maintenance.
- The Class rooms with LCD projector for the theory classes.
- The Schedule with the classes for this training during normal hours of the college.
- The supports to ensure, all students in a class, attend the training programs scheduled for them.
- Disciplinary support for the smooth conduct and timely completion of the entire course.

### PARTICIPANTS:

The participants would be of B.E Civil branch students.

### COURSE CONTENTS

SYNERGY in consultation with the College shall finalize the course contents for the skills development program.

### TIME SCHEDULE

The program(s) will be conducted during the college working hours. The students will be divided into batches, depending on the total strength based on requirements.

**LINK OFFICER**

The Principal of the College shall appoint a Link Officer from each department for the duration of the program, who shall liaise with SYNERGY and make the training process learner-friendly and effective. SYNERGY shall work in close relationship with the Link Officer, who in-turn shall keep a close touch with the students. In the event of any difference of opinion between SYNERGY and the Link Officer, the matter should be referred to the **Principal of the College**, whose decision thereon shall be final and binding on both the parties.

**COURSE FEES & PAYMENT PATTERN**

The course fee per student for each course offered is decided and mutually agreed upon by both the parties. The College shall collect the course fee from the students and pay to SYNERGY.

**VALIDITY**

This Memorandum of Understanding shall come into effect from 7<sup>th</sup> June 2018 to 6<sup>th</sup> June 2021

**Forwarded from department of Civil to Principal**

For: R R Institute of Technology

For: R R Institute of Technology

For: SYNERGY



Name: Dr. M. B. Magjunath

Name:  
HOD Civil Engg.  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090

Name: Ameet Gogi

Designation: Principal

Designation: HOD

Designation: Business Head

Date: 07/06/18

Date:

Date: 07/06/2018.

  
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Chikkabanavara, Bangalore - 560 090.



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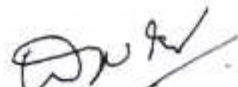
**DEPARTMENT OF CIVIL ENGINEERING**

Date: 06/11/2018

**CIRCULAR**

The department of Civil Engineering is organizing Workshop on “LATESTEST BUILDING CONSTRUCTION EQUIPMENTS ” On 09/11/2018 for pre final years and Final year students by Synergy school of business skill. All students must attend the workshop at Civil Seminar hall at 9:30AM.

  
Coordinator

  
HOD

HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090

  
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09/11/2018

### Workshop-Report

Civil Engineering Department along with M/s Synergy School of Business skill organized a workshop on "LATEST BUILDING CONSTRUCTION EQUIPMENT'S ". Business head of M/s Synergy School of Business skill was main speaker and supported by Mr.Satish Kumar R –Equipment's Manager –M/s Synergy School of Business skill -Bangalore.Dr Harish V, Professor of Civil Engineering Department introduced the speaker and made welcome speech and Dr.Basavaraj N Itnal, HOD-Civil engineering department spoke on importance of workshop .All the students of 3rd 5<sup>th</sup> and 7th semester and departmental faculty members attended the workshop. The program started at 10.00AM. And ended at 4.0PM on 11<sup>th</sup> November 2017.

#### **The High lights of the workshop are:**

- Concrete Mixers. :Mini Concrete Mixer, Hopper Concrete Mixer, Pan Concrete Mixer, Portable Mixers
- Brick Making Machines: Fly Ash Brick Making Machine, Clay Brick Making Machine, Automatic Fly Ash Brick Plant
- Bending Machine: Pipe Bending Machine, Metal Sheet Bending Machine, Plate Bending Machine
- Tile Making Machine: Interlocking Tiles Making Machine, Tile Spacers, Paver Tiles Making Road Marking Machine
- Thermoplastic Road Marking, Concrete Road Cutting Machine, Road Header Machine Construction Equipment. Wall Putty Making Machine, Rim Straightening Machine, Needle Vibrator, Surface Plate Vibrator, Vibratory Rammer
- Paver Machine: Concrete Road Paver, Road Paver Finisher, Concrete Canal Paver, Sensor Paver
- Working Platform: Aerial Work Platforms, Mast Climbing Platform
- Building Tools: Cement Plaster Machine, Automatic Plastering Machine, Spray Plastering Machine.

  
Convener

  
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HOD-Civil  
HOD Civil Page  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090





*Kavya*  
Conveners

*[Signature]*  
HOD-Civil

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*Melank*  
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Chikkabanavara, Bangalore - 560 090.

R.R INSTITUTE OF TECHNOLOGY,CHIKKABANAVRA			
DEPARTMENT OF CIVIL ENGINEERING			
STUDENT LIST			
SLNo	USN	Name of the Student	Signature
1	1RI14CV025	Harshitha G N	<i>Harshitha</i>
2	1RI14CV055	Rakesh S	<i>Rakesh S</i>
3	1RI14CV069	Shreehari G V	<i>Shreehari</i>
4	1RI15CV063	Rashmi B M	<i>Rashmi B M</i>
5	1RI16CV008	Arpitha M P	<i>Arpitha M P</i>
6	1RI16CV010	Bablu chaudhary	<i>Bablu</i>
7	1RI16CV012	Bhupal singh ale	<i>Bhupal</i>
8	1RI16CV014	Bimash Bhattasai	<i>Bimash</i>
9	1RI16CV015	Bramachari paswan	<i>Bramachari</i>
10	1RI16CV021	K R Venkatesha	<i>K R Venkatesha</i>
11	1RI16CV023	Kavya K H	<i>Kavya K H</i>
12	1RI16CV032	Mohammad jahir dewan	<i>Mohammad jahir dewan</i>
13	1RI16CV033	Mokhtar ansari	<i>Mokhtar ansari</i>
14	1RI16CV084	Anfoz Ali M A	<i>Anfoz Ali M A</i>
15	1RI16CV087	Thippeswamy C	<i>Thippeswamy C</i>
16	1RI16CV436	Rishikesh jivan badgujar	<i>Rishikesh jivan badgujar</i>
17	1RI17CV409	Manjunath H	<i>Manjunath H</i>
18	1RI17CV410	MD Himayatullah	<i>MD Himayatullah</i>
19	1RI14CV021	Sachin Ghannale	<i>Sachin Ghannale</i>
20	1RI14CV023	Harikrishna B	<i>Harikrishna B</i>
21	1RI14CV061	Sachin Ramesh	<i>Sachin Ramesh</i>
22	1RI14CV063	Sampath H L	<i>Sampath H L</i>
23	1RI16CV016	Charan R	<i>Charan R</i>
24	1RI16CV073	Tejas H M	<i>Tejas H M</i>
25	1RI16CV076	Vinod S	<i>Vinod S</i>
26	1RI16CV077	Yashas K M	<i>Yashas K M</i>
27	1RI16CV079	Harish D	<i>Harish D</i>
28	1RI17CV411	Md Najmus shaqib	<i>Md Najmus shaqib</i>
29	1RI17CV417	Parli Das	<i>Parli Das</i>
30	1RI17CV422	Sheraj Ahamad	<i>Sheraj Ahamad</i>
31	1RI17CV427	Lohith C M	<i>Lohith C M</i>
32	1RI16CV036	Niraj kumar jha	<i>Niraj kumar jha</i>
33	1RI16CV060	Santhosh Kumar Yadav	<i>Santhosh Kumar Yadav</i>
34	1RI16CV002	Ajay Kumar Yadav	<i>Ajay Kumar Yadav</i>

*Kavya*

*Dr. N. S. S.*  
HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabavara, Bangalore - 560 090

*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavara, Bangalore - 560 090.

**R.R INSTITUTE OF TECHNOLOGY,CHIKKABANAVRA  
DEPARTMENT OF CIVIL ENGINEERING**

**STUDENT LIST**

SLNo	USN	Name of the Student	Signature
1	1RI14CV039	Md. Rahul Ahmed	Md. Rahul
2	1RI14CV063	Sampath H L	Sampath
3	1RI14CV069	Shreehari G V	Shreehari
4	1RI14CV074	Sreemanth M	Sunil AB
5	1RI14CV078	Sunil A S	Sunil
6	1RI15CV006	Akash Debnath	Akash
7	1RI15CV014	Ajaz R Yallapur	Ajaz
8	1RI15CV015	Balaji M S Gowda	Chethan Kh.
9	1RI15CV020	Chethan Kumar D S	Chethan K.
10	1RI15CV033	Kavana M P	AB
11	1RI15CV034	Kavitha S P	Kavitha SR
12	1RI15CV037	Kumarswamy N M	AB
13	1RI15CV038	Lakshmi Narasimhan C	AB
14	1RI15CV043	Likith kumar T	Likith Kumar
15	1RI15CV048	Maruthi M	Maruthi
16	1RI15CV050	Mishanth Shah	Mishanth
17	1RI15CV051	Mohammed Mohaseen	Mohammed
18	1RI15CV055	Nisarga D N	Nisarga
19	1RI15CV057	Panpong Aboh	Panpong
20	1RI15CV065	Ravi sen L	Ravis
21	1RI15CV067	Rohan G S	Rohan
22	1RI15CV072	Saphal panthi	Saphal Panthi
23	1RI15CV075	Shevale omkar Dhanaji	Shevale
24	1RI15CV081	Suhas R C	Suhas R C
25	1RI15CV084	Sunitha N	Sunitha
26	1RI15CV091	Waseem Ali Khan M	AB
27	1RI15CV093	Yashaswini K S	Yashaswini
28	1RI15CV095	Shalini A	Shalini
29	1RI16CV402	Andrew Augustine A	AB
30	1RI16CV403	Anil Shivanand Yalameli	Anil Shi. Yala.
31	1RI16CV406	Binit kumar Shrivastwa	AB
32	1RI16CV409	Deeptam Nandi	Deeptam
33	1RI16CV410	Dina Nangtdu	AB
34	1RI16CV415	Janardhan V	Janardhan V.
35	1RI16CV418	Keerthi V	AB
36	1RI16CV420	Kishor H N	Kishor
37	1RI16CV421	Komalakshi H S	AB
38	1RI16CV424	Madhav paudel	Madhav
39	1RI16CV425	Manasa B	Manasa
40	1RI16CV426	Mark Arkipykhraw Cajce	AB
41	1RI16CV430	Prajwal Anand Kumar H	AB
42	1RI16CV432	Rajesh R	Rajesh R
43	1RI16CV445	Sridhar K	AB
44	1RI16CV446	Suvankar Dey	Suvankar Dey
45	1RI16CV451	Tumto bagra	AB
46	1RI16CV453	Dhanraj P T	Dhanraj
47	1RI14CV085	Vinod Kumar K	Vinod Kumar K.

Principal  
PRINCIPAL



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# R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)  
Accredited by NAAC and Accredited by NBA for Computer Science & Engineering  
Information Science Engineering and Civil Engineering Courses

## MEMORANDUM OF UNDERSTANDING

BETWEEN

RR Institute of Technology, Bengaluru 560090

AND

Academy of Concrete Technology, Bengaluru 560056

*Mahesh*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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E-mail : [mit@minstitutions.com](mailto:mit@minstitutions.com), [www.mit.ac.in](http://www.mit.ac.in), [www.minstitutions.com](http://www.minstitutions.com)



## PREAMBLE

Whereas, RR Institute of Technology Bangalore -560090 (RRIT) at its various engineering departments is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and is also contributing to the rapidly growing technological knowledge and professional excellence in Technology by undertaking industrial & applied research and consultancy.

WHEREAS, Academy of Concrete Technology (ACT) is engaged in construction, research, testing, repair and retrofitting, design and development and consultancy in the field of civil engineering and related fields.

WHEREAS, both RRIT and ACT, now

- Recognizing the importance of research and development in the areas of civil engineering as well as imparting industrial training to the engineering/technology students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to civil engineering.
- Desiring to club their efforts by pooling their expertise and resources.

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on civil engineering related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both RRIT and ACT hereby acknowledge, RRIT and ACT hereby agree to sign a memorandum of understanding (MOU).

## ARTICLE-I: SCOPE OF THE MOU

This MOU details the modalities and general conditions regarding collaboration between RRIT and ACT for enhancing, within the country, the availability of highly qualified manpower in the areas of civil engineering without any prejudice to prevailing rules and regulations in RRIT and ACT. The areas of cooperation can be extended through mutual consent.

## ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

Both RRIT and ACT shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;

  
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Department of Civil Engineering-Accredited by NBA

- c) Practical training of RRIT students at ACT such as Repair of concrete structures, Quantity survey and estimation, latest concrete grades, green concrete, and advanced concrete technology.
- d) Joint guidance of student projects/thesis in Civil Engineering and other areas of national interest at RRIT by ACT on mutually agreeable terms.
- e) ACT would accommodate B.E. students who have completed the 1<sup>st</sup> year of their programme in such a number that ACT deems convenient to it for the purpose of imparting industrial training.
- f) ACT may depute its personnel as visiting faculty at RRIT to teach any of the regular Course or specialized topics.
- g) ACT personnel, as well as research scholars, may also be allowed to enrol for their Ph.D. (Research) at RRIT, subject to availability of seats, research facilities and subject to their fulfilling eligibility criteria and all other academic regulations of RRIT. Further, ACT may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.
- h) ACT may seek assistance/guidance of RRIT faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) ACT Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc.
- j) ACT may showcase its business activities at the seminar/workshop/conference, etc. at RRIT.
- k) Post-graduate student will be allotted a Research supervisor from RRIT faculty members. A Research Scientist/Engineer at ACT may be appointed a Co- research guide as per the rules of the respective institute for a student Registered for Ph.D./ M.Tech (Regular or Research) degree at RRIT. The student maybe encouraged to take up the project such that ACT desirably benefits from its outcomes.
- l) The students will carry out part of their Ph.D research work or M.Tech./B.Tech. project at RRIT and ACT depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- n) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- o) Both RRIT and ACT will be free to independently carry out follow-up research on the thesis work conducted under this scheme.
- p) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and

  
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the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.

- q) Research supervisors from both the Institutes will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- r) Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other.
- s) In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



## ARTICLE-III : SHARING OF FACILITIES

- a) RRIT and ACT shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.
- b) RRIT and ACT shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.
- c) RRIT and ACT shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

## ARTICLE-IV: CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- a) The collaborative programme between RRIT and ACT shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
- b) Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## ARTICLE-V : EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of ACT and RRIT.

## ARTICLE-VI : IPR

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

*M. Lakshmi*  
PRINCIPAL





## ARTICLE-VII: CONFIDENTIALITY

During the tenure of the MOU both RRIT and ACT will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.

Both RRIT and ACT shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.

Further both RRIT and ACT shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions. However confidential information shall not include any data or information which:

- (a) is or becomes publicly available through no fault of the receiving party,
- (b) is already in the rightful possession of the receiving party prior to its receipt of such data or information;
- (c) is independently developed by the receiving party without reference to the confidential information of the disclosing party
- (d) is rightfully obtained by the receiving party from a third party or is in the public domain
- (e) is disclosed with the written consent of the party whose information it is, or
- (f) is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

## ARTICLE-VIII : AMENDMENTS

Any amendment and/or addenda to the AGREEMENT shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

## ARTICLE-IX : RESOLUTION OF DISPUTES

- a) This agreement shall take effect and be construed in accordance with the Laws of

  
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Department of Civil Engineering - Accredited by NBA

India and be subject to the jurisdiction of the courts at Bengaluru.

- b) The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be New Delhi and Language of arbitration shall be English.

*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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## ARTICLE-X: MISCELLANEOUS

- The headings and sub-headings are inserted for convenience only and shall not affect the construction of this Agreement.
- Both RRIT and ACT shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege. The rights, remedies, power and privileges herein provided are cumulative and not exclusive of any right, remedies, powers and privileges provided by law.
- After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

*Agalunath*  
02/01/23

Managing Director & CEO

Academy of Concrete Technology  
Bengaluru

*Mahendru*  
21/1/23

Principal

Raja Reddy Institute of Technology  
Bengaluru

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Date: 02-01-2023

Co-ordinators:

Prof. K S Jayadeep

Prof. M Abhishek

*Gowdara*  
2/1/23.

*Mahendru*  
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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Civil Engineering (Accredited by NBA)

Date: 19-06-2023

### CIRCULAR

It is here by to inform that, Laboratory visit has been organized from the department of Civil Engineering to ACT (Academy of concrete Technology) on 22/6/2023 for 6<sup>th</sup> semester students.

All students are informed to assemble in campus by 9:00AM with dress code

TO

*B.R. Shub*  
COORDINATOR

*[Signature]*  
HOD

- a) All Faculty
- b) All students

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*[Signature]*  
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Dept. of Civil Engineering

## Report on Field Trip to

## Academy of Concrete Technology (ACT), on 22<sup>nd</sup> June 2023

### 1. Introduction:

On 22<sup>nd</sup> June 2023, a group of 6th-semester civil engineering students from Department of Civil Engineering, RRIT, Bangalore embarked on an industrial field trip to the Academy of Concrete Technology (ACT), located in N.G.E.F Layout, Mallathahalli, Bangalore-560056. The Academy of Concrete Technology is the first of its kind in India, offering theoretical knowledge, practical training, and research exclusively focused on Concrete Technology. The trip aimed to provide students with exposure to industry experts, enhance their understanding of concrete technology, and explore opportunities for career development.

### 2. Objectives:

The field trip had the following objectives:

- a) To familiarize students with the facilities and resources available at the Academy of Concrete Technology.
- b) To provide students with practical insights into concrete technology through interaction with industry experts.
- c) To expose students to the latest research and advancements in the field of concrete technology.
- d) To inspire and motivate students to pursue further studies or careers in concrete technology.

### 3. Itinerary and Activities:

The field trip itinerary consisted of the following activities:

#### a) *Welcome and Introduction:*

Upon arrival at the Academy of Concrete Technology, we were warmly welcomed by the staff and instructors. An introductory session provided an overview of the academy's mission, objectives, and the importance of concrete technology in the construction industry.

  
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## *b) Campus Tour:*

We were given a comprehensive tour of the academy's campus, which featured state-of-the-art laboratory facilities. The tour included visits to various laboratories, classrooms, research areas, and practical training sites. We observed the availability of advanced equipment, including concrete testing machines, mixers, and material characterization instruments.

## *c) Expert Lectures:*

Industry experts delivered insightful lectures on various aspects of concrete technology. These lectures covered topics such as mix design, quality control, durability, and advancements in construction materials. The experts shared their experiences, case studies, and best practices, enriching our knowledge of the subject.

## *d) Research Showcase:*

The academy showcased ongoing research projects in the field of concrete technology. We had the privilege of witnessing innovative studies and experiments being conducted by the academy's researchers. The research showcase inspired us to explore research opportunities in concrete technology and consider its potential for sustainable and advanced construction practices.

## *f) Interaction with Industry Professionals:*

Throughout the field trip, we had valuable interactions with industry professionals, including engineers, technicians, and researchers. These interactions provided us with insights into the industry's expectations, emerging trends, and career prospects. We were able to seek advice, ask questions, and gain valuable guidance from the experts.

## **4. Key Learnings:**

The field trip to the Academy of Concrete Technology yielded several key learnings for the participating students, including:

- In-depth understanding of concrete technology, its properties, and applications.
- Practical knowledge of mix design, quality control, and testing procedures.
- Exposure to advanced equipment and techniques used in the concrete industry.

  
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- d) Insight into the research being conducted in the field of concrete technology.
- e) Interaction and networking opportunities with industry professionals.
- f) Inspiration to pursue further studies or careers in concrete technology.

## 5. Conclusion:

The field trip to the Academy of Concrete Technology proved to be a highly educational and enriching experience for the 6th-semester civil engineering students. The academy's comprehensive facilities, industry expert lectures, and research showcase provided valuable insights into concrete technology and its diverse applications. The trip successfully fulfilled its objectives of enhancing students' understanding, motivating them towards further studies or careers in concrete technology, and fostering connections with industry professionals.

We express our sincere gratitude to the **Academy of Concrete Technology (ACT)**, its staff, and the industry experts who generously shared their knowledge and expertise with us. We also extend our appreciation to **R.R.I.T, Bangalore** for organizing this field trip, enabling us to gain practical exposure and expand our horizons in the field of concrete technology.

Sincerely,

Conveners:

1. **Dr. Kiran. B.**, Associate Professor, CE-Dept.

2. **Prof. Shilpa. B. R.**, Assistant Professor, CE-Dept.

3. **Prof. Aishwarya Kakade**, Assistant Professor, CE-Dept.

HOD-Civil

HOD Civil Engg.

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## Photographs taken during the field trip on 22<sup>nd</sup> June, 2



*Melaha*

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Dept. of Civil Engineering

## Feedback Analysis

### Field Trip to Academy of Concrete Technology (ACT)

Event Date: 22/06/2023

SN	Feedback Questions	Scored %
01	Was this industrial visit relevant to you?	91.68%
02	Was the length of the industrial visit sufficient?	92.5%
03	Were questions encouraged during the industrial visit?	93.5%
04	Were the instructions clear and understandable?	91.75%
05	Is the speaker a well-known and knowledgeable person?	92.63%
06	Does the industrial visit pertain to the subject of the current semester?	92.68%
07	Can you conduct mix design ethically by following IS codes?	92.78%
08	Is this visit useful for lifelong learning?	92.68%
<b>Overall Average Percentage</b>		<b>92.53%</b>

*Principals*  
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# R. R. Institute of Technology

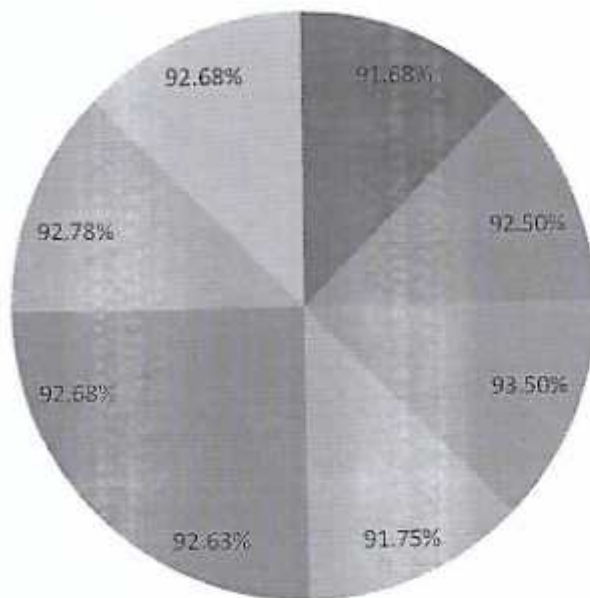
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Dept. of Civil Engineering

## Field Trip to Academy of Concrete Technology



- Is industrial visit relevant to needy
- Length of the industrial visit was sufficient
- Questions are encouraged in the industrial visit
- Instructions were clear and understandable
- Speaker is well known knowledgeable person
- Is the industrial visit concerned to the subject of the present semester

*[Signature]*  
HOD Civil Engg.  
R.R. INST. OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090

*[Signature]*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



RKM Educational Trust &amp;

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Raja Reddy Layout, Chikkabanavara, Bangalore - 560 090

Department of Civil Engineering (Accredited By NBA)

**ATTENDANCE SHEET**

SL No	USN	NAMES	SIGN
<b>Class held and % Attendance</b>			
1	1RI19CV009	GAGAN DINESH	ABSEW
2	1RI20CV001	AMAN KUMAR PAJIAR	Manp
3	1RI20CV002	AVISHEK KUMAR SHA	
4	1RI20CV003	BHUVAN KHATRI	
5	1RI20CV004	ELIYAZ AHMAD MUSALMAN	AR
6	1RI20CV005	GANGA RAM YADAV	
7	1RI20CV006	HARSHITA N	AR
8	1RI20CV007	ISTIHAK MUSALMAN	
9	1RI20CV008	NIRAJ KUMAR THAKUR BARHI	
10	1RI20CV009	RAJ KAMAL CHAUDHARY	
11	1RI20CV010	RAJ SINGH YADAV	
12	1RI20CV011	RAVI KUMAR YADAV	
13	1RI20CV012	ROHITH KUMAR JHA	
14	1RI20CV013	SANJAY CHAUDHARY	
15	1RI20CV014	SANJAY KUMAR MANDAL	
16	1RI20CV015	SANTHOSH D	AR
17	1RI20CV016	SHIVAM YADAV	
18	1RI20CV017	SHYAM PRASAD YADAV	
19	1RI20CV018	SUMAN KUMAR SHA	AR
20	1RI20CV019	SUMAN KUMAR SHA	
21	1RI20CV023	HARISH DEUBA	
22	1RI20CV025	RAJ KUMAR YADAV	
23	1RI20CV026	RAVI SHARRAF	
24	1RI20CV027	SONU YADAV	
25	1RI21CV400	ANEY DEBBARMA	A.D
26	1RI21CV401	ARJUN SUKUL	AR
27	1RI21CV402	BHUWAN BABLI	
28	1RI21CV403	DEBANKAN SARKAR	
29	1RI21CV405	SIDDARTH LODH	

M. Lakshmi  
PRINCIPALR.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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# R R Institute of Technology

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Accredited by NAAC

06/09/21

## MEMORANDUM OF UNDERSTANDING

Between

R R Institute of Technology, Raja Reddy Layout, Hesaraghatta main road, Chikabannavara, Bangalore-560090

And

Vishnu Forge Industries Ltd, C01&C02, HMT Industrial estate, Jalahalli Post, Bangalore -560013

### Purpose

The purpose of this Agreement is to promote collaboration in Engineering education and problem solving activities between the Department of Mechanical Engineering of R R Institute of Technology, Raja Reddy Layout, Hesaraghatta main road, Chikabannavara, Bangalore-560090 and Vishnu Forge Industries Ltd, C01&C02, HMT Industrial estate, Jalahalli Post, Bangalore -560013

### Types of Cooperation

Through this memorandum, both parties affirm the value of collaboration and agree to promote the following activities:

1. Industrial Visit;
2. Guest Lectures;
3. Coordinating for knowledge enhancement program;
4. Other activities as mutually agreed like Internship & Training

This Agreement places no financial obligations or supplementary funding commitments on either Party. These activities will be defined through separate program agreements that detail the commitment of resources (financial or otherwise) required by each Party. Subsequent program agreements must be approved in writing by the authorized representatives of each Party.

### Terms

This Agreement will become effective upon the date of signature by both Parties. It shall remain valid for a period of One (1) year from the date of the last signature, with the understanding that it may be modified by written mutual consent of both Parties. This Agreement may be terminated by either Party with advance written notice of at least thirty (30) days. Upon notice of termination both R R Institute of Technology, Bangalore and Vishnu Forge Industries Ltd, Bangalore agree to work in good faith to enable visiting scholars to complete their respective programs unhindered by the termination. The agreement may be extended by mutual consent of the two Parties after the period, and it must be renewed in writing

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Chikkabannavara, Bangalore - 560 090.

Raja Reddy Layout, Near Chikkabannavara Railway Station, Chikkabannavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

E-mail : rit@rinstitutions.com, www.rit.ac.in, www.rinstitutions.com



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# R R Institute of Technology

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Accredited by NAAC

Both the parties will maintain confidentiality regarding know how's and technology and other sensitive details related to each other's operations.

This Memorandum of Understanding completed in English is hereby signed on 6<sup>th</sup> September 2021 in two (2) copies with one (1) copy remaining in the possession of each Party.

*Srinivasan* CEO  
6.9.21  
Director  
Vishnu Forge Industries Ltd, Bangalore

*K. Sandhu*  
6/9/21  
HOD

*Meharinder*  
PRINCIPAL  
PRINCIPAL

HOD of Mechanical Engineering, R. R. INSTITUTE OF TECHNOLOGY  
R.R. Institute of Technology Chikkabanavara, Bangalore-560  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 56.

Witness:

*Dr. Naveen. M*

*NAM*  
6/09/21



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Mechanical Engineering

## Industrial Visit Report

Date: 2/5/2022

Report on the One - Day industrial visit On receiving the letter of permission from VISHNU FORGE Limited, Bangalore.

1. 25 students from VIII semester with two faculty members (Dr. Channabasavarju, HOD and Dr Amarnath.G. Assoc Professor) went on an industrial visit to the factory on **30-04-2022**.
2. We all assembled at the college at 10 a.m. and left the college in a van. We reached the factory at 10.15AM. An engineer-in-charge of production received us at the entrance and gave a brief introduction to the factory.
3. Then he took us around from one section to the next and explained the process involved in the making of huge forged components.
4. The workers were performing various operations. Everyone was wearing masks. He showed how the power forging machines are used in producing the parts shown below
5. The visit came to an end at 3.00p. m.
6. We left the premises at 3.30p. m. It was an informative, interesting and a successful visit.
7. Students of Mechanical Engineering, learned a few Mechanical applications and about industrial components like Forged carbon steel flanges, Rail coach components, Various components for traction motors & coaches, Engine Components, Gears Etc.

## PHOTO GALLERY



*M. S. S.*  
PRINCIPAL

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#### OUTCOME OF THE VISIT:

- The technology and the equipment used for manufacturing forged components made familiar.
- The various processes involved in forging operations in power forge equipments was explained.
- Discussion on the different methods and possible improvements to increase productivity was held.

Signature of Co-ordinator

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Head of the Department







सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

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*Habib*  
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Chikkabanavara, Bangalore - 560 090.

**Memorandum of Understanding**

This agreement is made on 15/7/2022



(Hereinafter referred to as the  
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Statutory Alert.

1. The authenticity of this Stamp certificate should be verified at [www.e-stamp.in](http://www.e-stamp.in) or using e-Stamp Mobile App or MCA 21 Portal.
2. The onus of checking the legitimacy is on the users of this certificate.
3. In case of any discrepancy please inform the Competent Authority.



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MEDINI TECHNOLOGIES)



The MoU is to support and accommodate the industry experts in academics to keep updated the needs of the industry to the upcoming generation regularly & on time. So, the gap between Industry & Academia will be bridged.

Now, this agreement witness as follows:

01. The R R INSTITUTE OF TECHNOLOGY is an education institute conducting the technical programs as mentioned on the college website <https://www.rrit.ac.in/>.
02. The MEDINI TECHNOLOGIES is a registered company for design services & the School of Design. Working for many of the Pvt. and government organisations on their designs. MEDINI TECHNOLOGIES is also a Training, Certification & Academic partner of Autodesk, Bentley & Trimble SketchUp. And the MEDINI TECHNOLOGIES has also partnered with a PMI Global Registered Provider for Project Management.



03. Medini Technologies also have an MoU with AICTE for bridging Academia & Industry. Which in turn support the technical institutes for skill development and internships.
04. The MEDINI TECHNOLOGIES will support the R R INSTITUTE OF TECHNOLOGY for bridging academia and industry by providing necessary software's of Autodesk & Trimble as the MEDINI TECHNOLOGIES is an Academic partner, which will support their students to accommodate themselves in the industry. All the details of software installations will be mailed by MEDINI TECHNOLOGIES, which can be used for any kind of accreditations or inspections such as LIC, NAAC, NBA, COA etc.

R R INSTITUTE OF TECHNOLOGY permits MEDINI TECHNOLOGIES to handle all the communication relating to the software's which is from the above-mentioned companies. Both the party assures that the software installed by MEDINI TECHNOLOGIES will be used only by them (R R INSTITUTE OF TECHNOLOGY & MEDINI TECHNOLOGIES). By any chance no other organisation is authorized to use the software's.

05. Hereon both parties will be called as EDUPHYGITAL Partner with which R R INSTITUTE OF TECHNOLOGY permits MEDINI TECHNOLOGIES to conduct programs related to industry requirements.

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 099,

Bridging Academia & Industry.

*Mallik*



06. To keep the MoU active, minimum 3 programs has to be conducted every year, this will build strong relation with industries, keep up to date students on latest trends and align the industry standards and build the brand of the students with their skills. The programs will bridge the gap between industry and academia.

**MEDINI TECHNOLOGIES** assures the quality industry-oriented program & will play a role of mentor for all kind of programs related to digitalisation, skill development, internships and placement services.

Programs include Training Program on BIM for Infrastructure, BIM for Construction, BIM in Architecture, Digital Transformation in Construction Industry, Digital transformation in manufacturing industry, Product Design, Analysis, Software training etc.

**Duration, commercials and number of students involved for the training and other events will be discussed mutually and taken forward.**

07. **R R INSTITUTE OF TECHNOLOGY** assures that no commercial projects or activities will be done by them on the software provided by **MEDINI TECHNOLOGIES**.

08. Both the parties make sure that they will not approach or recruit any employees of respective organization.

09. **DURATION**- The duration of this Agreement shall be for the period of **4 years** from July 2022 to July 2026. If not renewed or amended after 4 years, in writing the same shall be considered as expired or terminated.

10. **MEDINI TECHNOLOGIES** will accommodate itself to formulate the curriculum, programs & evaluations, which will support the department for internships, placements & self-branding of the students.

All the programs planned will be concerning the need of the industry.

11. **R R INSTITUTE OF TECHNOLOGY** will assign a Co-Ordinator for regular interaction and program functioning.

This has to be given by HoD on letterhead of each department.

Name:

Designation:

Contact Details: Phone No:

Email ID:

Any changes in this will be intimated in a letter or mail in future also.

12. Mr. Pradeep Kallur, Managing Director, **MEDINI TECHNOLOGIES**, who is even a member of NEAT, AICTE for evaluation, will be the mentor and Digital Program Coordinator for the complete program at the **R R INSTITUTE OF TECHNOLOGY**.

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Chikkabanavara, Bangalore - 560 090.

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The institute will assign a mail ID for the complete set of program, so the licenses and all the communication will be run through the same email id with cc to the college coordinators and head. Medini Technologies assures that, It will not be used for any other purpose apart from the programs mentioned in this MoU. (Example: map@iitbbs.ac.in, where map stands for Medini Academic Partner).

13. First party will provide the details of students from 2<sup>nd</sup> year to final year till the MoU continues, which will help the second party to transfer the information of industry requirement and regular events of industries which will include seminars, workshops, conferences, internships etc. directly/through department/through placement officers. And even to support them for the licenses. The head of the department will be a signing authority for all the documents related to licenses and for approvals.
14. Any alteration, addition or modification on this agreement shall be in writing and signed by both the parties.

Addressed to:

<b>R R INSTITUTE OF TECHNOLOGY</b> Raja Reddy Layout, Heseraghatta Main Road, Near Chikkabanavara Railway Station, Chikkabanavara Bangalore – 560 090 <a href="https://www.rrit.ac.in/">https://www.rrit.ac.in/</a>	<b>MEDINI TECHNOLOGIES</b> #2943/E, Opp Maruti Mandir, Service Road, Maruti Complex Vijayanagar. Bengaluru 560040 Karnataka, INDIA Ph:080-23301005 <a href="http://www.medini.in">www.medini.in</a>
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15. The parties hereto acting themselves or through representatives duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

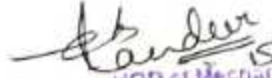
  
Er. Pradeep Kallur  
Managing Director  
MEDINI TECHNOLOGIES



  
Er. Abhinandan Kabbur  
Director  
MEDINI TECHNOLOGIES

  
Er. Mohan Kumar K  
Head Operations India  
MEDINI TECHNOLOGIES

  
Dr. Mahesh Prasad  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090,

  
15/7/22  
Dr. Channabasavaraj  
HOD of Mechanical Engineering  
Head  
H.H. Institute of Technology  
Department of Mechanical Engineering  
Heseraghatta Main Road,  
Chikkabanavara

  
15/7/22  
Dr. G Sankara  
Head  
Department of Civil Engineering  
H.H. Institute of Technology  
Heseraghatta Main Road,  
Chikkabanavara



# R. R. Institute of Technology

Chikkabanavara, Bengaluru-560090

Dept. of Mechanical Engineering

## ORGANIZING COMMITTEE

### Chief Patron

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### Administrator

**Prof. Maya Salimath G**

Director QAC -R. R. Institutions

### Chair Person

**Dr. Mahendra K V**

Principal -RRIT, Bengaluru

### Convener / Organising Secretary

**Dr. Channabasavaraj S**

Professor & Head, Dept. of ME

### Coordinator

**Mr. Kalburgi Bharath**

Asst. Professor, Dept of ME

### Organising Committee Members

**Dr. Amarnath G**, Assoc. Professor,

**Dr. Manjunatha G**, Assoc. Prof.

**Mr. Srinivas K R**, Asst. Prof.

**Mr. Harish M R**, Asst. Prof.

**Mr. Murali G E**, Asst. Prof.

**Mr. Lohith J Kondapura**, Asst. Prof.

**Mr. Deepak A R**, Asst. Prof.

### Student Member

Tabrej Alam Ansari, 4<sup>th</sup> year

Ravi Kumawat, 4<sup>th</sup> year

Department of Mechanical Engineering in  
association with ARME

**Cordially invites all staff for**  
One Day FDP on  
“Autodesk Fusion”

July 18<sup>th</sup> 2022

Venue: Mechanical Seminar Hall.

### CHIEF GUEST

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Dr. Mahendra K V,**

Principal,

RRIT, Bengaluru

Signature

### Convener

**Dr. Channabasavaraj S,**

Professor & Head, Dept. of ME

Signature

### Principal

**Dr. Mahendra K V**

R. R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bengaluru - 560090

### Vision

"To grow beyond leaps & bound as an institute of par excellence in the arena of technical and professional education. Develop human resources to global standard through creative, dynamic and constructive learning process."

**Abhinandan S. Kabbur** B.E (Mech.) M.Tech. (M/c Design), (Ph.D.)

MEDINI TECHNOLOGIES, #2943/E, Opp. Maruthi Mandir, Vijayanagara, Bengaluru-104,  
Karnataka, INDIA  
09620088488 | askabbur@medini.in

**AUTODESK CERTIFIED PROFESSIONAL & INSTRUCTOR**



### SOFTWARE SKILLS:

Autodesk Fusion 360, Creo, Solid Edge, Solidworks, ANSYS (APDL Basics)

### EXPERIENCE:

- For three years working as Director | Head Product Design & Manufacturing. Handling all the responsibilities concerned with Product design and manufacturing, from design to training as Head Product Design & Manufacturing. As director involved in decision making of activities involved in company's growth.
- Passion of teaching made to work for
  1. Eleven years with K. L. E. College of Engineering and Technology, Chikodi, Dist: Belgaum.
  2. One year with PES&T's, Shaikh College of Engineering and Technology, Belgaum as lecturer.
  3. One year with S.W.V.S Mandal's, Tatyasaheb Kore Institute of Engineering and Technology, Warananagar. Dist: Kolhapur as lecturer.
- Worked as a Project Trainee at Indian Space Research Organization (ISRO) for a period of one year.
- Worked as Quality Control Engineer in Swapnil Industries, Pune, for a period of one year.

*Melash*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

### EDUCATION:

- Registered for **Ph.D. (Mechanical Engineering)** at National Institute of Technology Karnataka, Surathkal (**NITK**) for the academic year 2020-21 and completed course work and **earned 15 credits with 8 CGPA.**

**R. R. Institute of Technology**

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka  
Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Mechanical Engineering

**One Day FDP on "Autodesk Fusion"**  
**Schedule of Events**

Time	Topic	Resource Person
10am-11am	Introduction to Autodesk Fusion	Mr.Abhinandan S Kabbur
11am-11:15	Tea Break	
11:15am to 1:00pm	Use of Autodesk Fusion in Research & Development of Product	Mr.Abhinandan S Kabbur
1:00am to 2:00pm	Lunch Break	
2:00pm to 4:30pm	How to Design a product and file a Patent Procedure	Mr.Abhinandan S Kabbur

*Malah*

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*A*

Co-ordinator

*A. S. Kabbur*

Head of the Department

HOD of Mechanical Engineering

R.R. Institute of Technology

Hesaraghatta Main Road,

Chikkabanavara, Bangalore



# R. R. Institute of Technology

Chikkabanavara, Bengaluru-560090

Dept. of Mechanical Engineering

## Report of One day FDP on Autodesk Fusion

Date: 19 July 2022

**About the Programme** – Department of Mechanical Engineering had organized “One day FDP programme on Autodesk fusion” on 18-07-2022 in Bengaluru for faculty of Mechanical Engineering. The programme was intended to provide an opportunity for the faculty to have hands on experience of Autodesk Fusion software. The latest technology used in industries which can also be used in research works of faculty.

### **Objectives of the program–**

- To provide an opportunity to have hands on experience of Autodesk Fusion software.
- Understanding the applications of the software products and methods used in the designing process

### **Program Outcome:**

- It helped faculty to understand the use of software products which helps in designing process
- The faculty learnt about the basic tools used in the Autodesk software and gained technical knowledge of designing components through Autodesk Fusion

**No. of participants: 8**

### **Summary of the Program with Photo Gallery:**

The event started at 10am on 18-07-2022 and the guest and speaker- Abhinandan S Kabbur were welcomed. Head of the department Dr. Channabasavaraj S introduced the staff about the event and its significance. The speaker started the session about the introduction of Autodesk software and its application in industries. Hands-on session was conducted to explain about the tools used in the software for designing process. After the session the event concluded with thanks to the speaker on behalf of Department of Mechanical Engineering and RRIT.

*M. S. Kabbur*  
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## Photo Gallery "One day FDP on Autodesk Fusion" on 18/7/2022



Dr. Channabasavaraj addressing the gathering about the FDP



Mr. Abhinandan S Kabbur explaining about the Autodesk software



Faculty and students with the speaker of the event

  
Co-ordinator

  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

  
Convener

HOD of Mechanical Engineering  
R.R. Institute of Technology  
Chikkabanavara, Bangalore - 560 090.  
Page 473 of 713



# R. R. Institute of Technology

Chikkabanavara, Bengaluru-560090

Dept. of Mechanical Engineering

## Attendance of One day FDP on Autodesk Fusion held on 18/7/2022

Sl no	Name of the Faculty	Signature
1	Bharath Kalbuesi	
2	Kodithkumar. J.K	
3	Dr. Anemallu G.	
4	Dr. Manjunath H	
5	Deepak A R	
6	Srinivas K R	
7	Dr. Channabaraavay	
8	Murali G.E	

Co-ordinator

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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Convener



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (herein after referred to as MoU) is entered into on this date: **4<sup>th</sup> January 2021** between the Department of Mechanical Engineering, R R INSTITUTE OF TECHNOLOGY (RRIT), Bengaluru and **GOVT. TOOL ROOM AND TRAINING CENTRE – Bengaluru**. The scope of the MoU, the roles and responsibilities of the parties.

### Background

This MoU is for the benefits of students for IT / Mechanical / Mechatronics / Automobile / Tooling / High Precision Manufacturing / Renewable Energy Industries. This MoU is for the conducting internship Training, Projects, Workshop, Seminar and Faculty Development Programme for the following Branches:

1. Mechanical Engineering
2. Electrical and Electronics Engineering
3. Electronics and Communication Engineering
4. Automobile
5. Mechatronics
6. Electronics Instrumentation
7. Aeronautical & Aero space
8. Industrial production and Industrial Engineering

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### 1. BENEFITS TO THE Department of Mechanical Engineering, RRIT, BENGALURU

1.1 Opportunity to emerge as one of the competent entities in the academic circles in research and development in the area of Information Technology;

1.2 Opportunity to be recognized by the industry and academic circles as one of the preferred locations for acquiring training and skills development in latest technology and software

1.3 Opportunity to utilize the Program to train students on Latest Technology Software products and technologies.

1.4 Opportunity for the faculty and students of the **Department of Mechanical Engineering RRIT, BENGALURU** to design world class curriculum capable of delivering the caliber of IT skills required at present and also for the future

  
1 | Page

1.5 Students will get 20% discount in course fees, provided with minimum batch quantity of 20 No's. and Fees will be directly deposited to GTTC through institutes.  
Fees varies every year, for current year fee structure refer Annexure - I

## 1.2 BENEFITS FROM GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU

1.2.1. Students and faculty will get the technical support on latest technology along with paper presentations and live projects

1.2.2. Students and faculty will get the coding level workshop program on latest technologies and workshop program will be on hands on work.

1.2.3. GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU will support for student final year academic project with training and development on as per student problem statement and also latest technology.

### MONITORING OF IMPLEMENTATION :

A Co-ordination Committee consisting of two faculty members of Department of Mechanical Engineering RRIT, BENGALURU and two officers nominated by GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU will do the planning and monitoring of the implementation of the various aspects of this MoU. There will be an annual review. This review would primarily focus on the curriculum progress, faculty availability and certification.

### GENERAL :

1. This MoU may be terminated by either party through a notice of one month. Either party may terminate this MoU if either of the parties is frustrated by reasons beyond It's control from going ahead with the implementation of the provision of this MoU. The provisions contained in Clauses 5 ("Intellectual Property Rights"), 6 ("Limitation of Liability") and 7 will survive any such termination.
2. Neither parties will make any presentations pertaining to the other or its business or affairs, without the express written consent and approval of other.
3. It is understood that during the course of this MoU it may be necessary for either party to disclose confidential/proprietary information to the other. The disclosure of any such information or data between the parties shall be made pursuant to an executed Confidentiality Agreement.

  
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2 | Page

4. All costs incurred by a party pursuant to this MoU shall be borne by the party who incurred the costs.

5. There shall be no liability on the part of any party to the other arising from the termination of this MoU.

6. This MoU is not binding on either of the parties hereto, except as specifically set out hereto. This MoU is intended to express the broad understanding of the parties and as a broad framework for working together on a specific opportunity as detailed herein.


7. The terms of the applicable software license agreements and terms relating to confidentiality under this MoU shall survive the term of the MoU.

8. Neither party may use the other's corporate name or any trade mark or name or any other items or assets protected by intellectual property rights, including but not restricted to, use in any promotional material, press releases, advertisements, communications, stationery, web sites, or the like.

9. Neither party will disclose the existence, or the terms and conditions, of this MoU or any information connected with it or any information received from the other or otherwise during the implementation of this MoU or its subsequent amendments, if any, except as may be required by law or on a strictly "need-to-know" basis for the purpose of implementing this MoU, or its subsequent amendments, if any, unless express prior written consent of the other party shall have been obtained in advance.

10. Save for their respective rights and obligations relating to Intellectual Property Rights (including the ownership of the Intellectual Property) as mentioned in Clause herein above, neither party is liable to the other for any damages or claims.

11. Unless previously consented to by both parties, there shall be no assignment of any interest under this MoU by any party hereto.



  
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Chikkabanavara, Bangalore - 560 090.

**SUMMARY:**

GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU recognizes the significance of the The Principal of RRIT, BENGALURU initiative to be the leader in the field of Tooling and High Tech Technology related academia in the country. GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU proposes to make available the appropriate technology and expertise to develop RRIT, BENGALURU position as a leading institute providing high quality skilled resources. This Memorandum of Understanding is intended to express the broad understanding of the parties regarding their working with each other to the extent possible for their mutual benefit.

<p>Signature with seal, <i>[Signature]</i></p> <p>HOD of Mechanical Engineering, R.R. Institute of Technology, Hesaraghatta Main Road, Chikkabanavara, Bangalore - 560 090</p> <p>Date:</p> <p>Department of Mechanical Engineering R R INSTITUTE OF TECHNOLOGY (RRIT), BENGALURU</p>	<p>Signature with seal, <i>[Signature]</i></p> <p>Principal Govt. Tool Room &amp; Training Centre Chikkabanavara Industrial Estate Bengaluru - 560 010</p> <p>Date:</p> <p>GOVT. TOOL ROOM AND TRAINING CENTRE, BENGALURU</p>	<p>Signature with seal, <i>[Signature]</i></p> <p>PRINCIPAL R R INSTITUTE OF TECHNOLOGY Chikkabanavara, Bengaluru - 560090.</p> <p>Date:</p> <p>PRINCIPAL R R Institute of Technology BENGALURU</p>
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Witness:

Dr. Manjunatha G  
*[Signature]*

Witness:

Harrish M.R  
*[Signature]*

*[Signature]*  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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Govt. Tool Room & Training Centre

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

## LETTER OF INTERNSHIP

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. Abhishek Johny {USN 1RI18ME001}** student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "**CNC Milling Programming and Essentials for NX Designers**" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021**.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda**. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS, DIECASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : www.karnataka.gov.in/gttc Grams : G.T.T.C

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Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. Anjan Gowda H {USN 1RI18ME004}** student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of **"CNC Milling Programming and Essentials for NX Designers"** and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda.** Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

## LETTER OF INTERNSHIP

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. Kishan G Gaikwad {USN 1R119ME400}** student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "**CNC Milling Programming and Essentials for NX Designers**" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda.** Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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**LETTER OF INTERNSHIP**

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. Guru Kiran M {USN 1R18ME008}** student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "**CNC Milling Programming and Essentials for NX Designers**" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda.** Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

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Bangalore-560 010

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**LETTER OF INTERNSHIP**

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr. Prem Kumar N {USN 1RI17ME013} student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "CNC Milling Programming and Essentials for NX Designers" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

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*Mahesh*  
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LETTER OF INTERNSHIP

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr. Jerin B M {USN 1RI16ME015} student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "CNC Milling Programming and Essentials for NX Designers" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

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**LETTER OF INTERNSHIP**

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. Mebin Mathew {USN 1RI18ME017}** student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "**CNC Milling Programming and Essentials for NX Designers**" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda**. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

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Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : www.karnataka.gov.in/gttr Grams : G.T.T.C

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**LETTER OF INTERNSHIP**

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr. Trinayan Borthakur {USN 1RI18ME031} student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "CNC Milling Programming and Essentials for NX Designers" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS, DIECASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : www.karnataka.gov.in/gttc Grams : G.T.T.C

A Scientific & Industrial Research Organisation recognised by Govt. of India.



(A Govt. of Karnataka Society )

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ  
**Govt. Tool Room & Training Centre**  
(An Indo - Danish Project )

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 07/10/2021

To,  
The Head of the Department,  
Department of Mechanical Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. Ravi Kumavat N {USN 1R18ME023}** student of Mechanical Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "**CNC Milling Programming and Essentials for NX Designers**" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda.** Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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Chikkabanavara, Bangalore - 560 090.

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*Mahendra*

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R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

To,  
The Director  
GT&TC, Rajajinagar, Bengaluru, Karnataka, India

02/08/2021

Respected Sir,

**Sub:** Permission for Industrial Visit – Reg.

Warm Greetings from R R Institute of Technology, Bengaluru

RRIT is one of the best Engineering Institution in Karnataka and known for its excellent record in academics and co-curricular activities. The College offers Bachelor degree course in Mechanical, Civil, ECE, EEE CSE, & Information Science & Engineering. The state-of-the-art facilities and competent faculty provide an excellent climate for the all-round development of the students.

Further to the telephonic conversation, I want to bring to your notice that our students are required to undertake Industrial Visits to few industries of repute. We feel it will be fruitful that the students with academic background have a glimpse of the industry in order to have a better appreciation of practical applications of theory.

In this direction, I would like to send a batch of about 36 students of Mechanical Engineering branch of 6<sup>th</sup> Semester accompanied by 2 staff members to visit your esteemed industry preferably 03/08/2021 if not as per your convenience.

I request you, to kindly accord the necessary permission for the above visit and arrange for guiding the students. We assure you that our students will observe the rules and regulations that are prescribed by your organization for the visitors and will in no way disturb the functioning of the organization during their visit.

Thanking You,

*Dr. Channabasavaraj S*  
2/8/21  
HOD, Mechanical Engineering  
(Dr.Channabasavaraj S)

HOD of Mechanical Engineering,  
R.R. Institute of Technology

Hesaraghatta Main Road,  
Chikkabanavara, Bangalore

*visited our Centre*  
*M.L.S*  
3/8/21

*Dr. Mahendra K V*  
2/8/21  
Signature of Principal  
Dr. Mahendra K V





PRM Educational Trust \*

# R. R. Institute of Technology

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Accredited by NAAC with 'B+'

Rajr Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Mechanical Engineering

## GTTC INDUSTRIAL VISIT REPORT

Date: 03/08/2021

Number of Students:

Faculty Member: Mr. Deepak A R

This industrial visit is planned for 6<sup>th</sup> semester students of Mechanical Engineering department. Main aim industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies. Technology development is a main factor, about which students should have a good knowledge. After visiting industry, students can gain a combined knowledge about both theory and practical. Students will be more concerned about future after having an industrial visit.

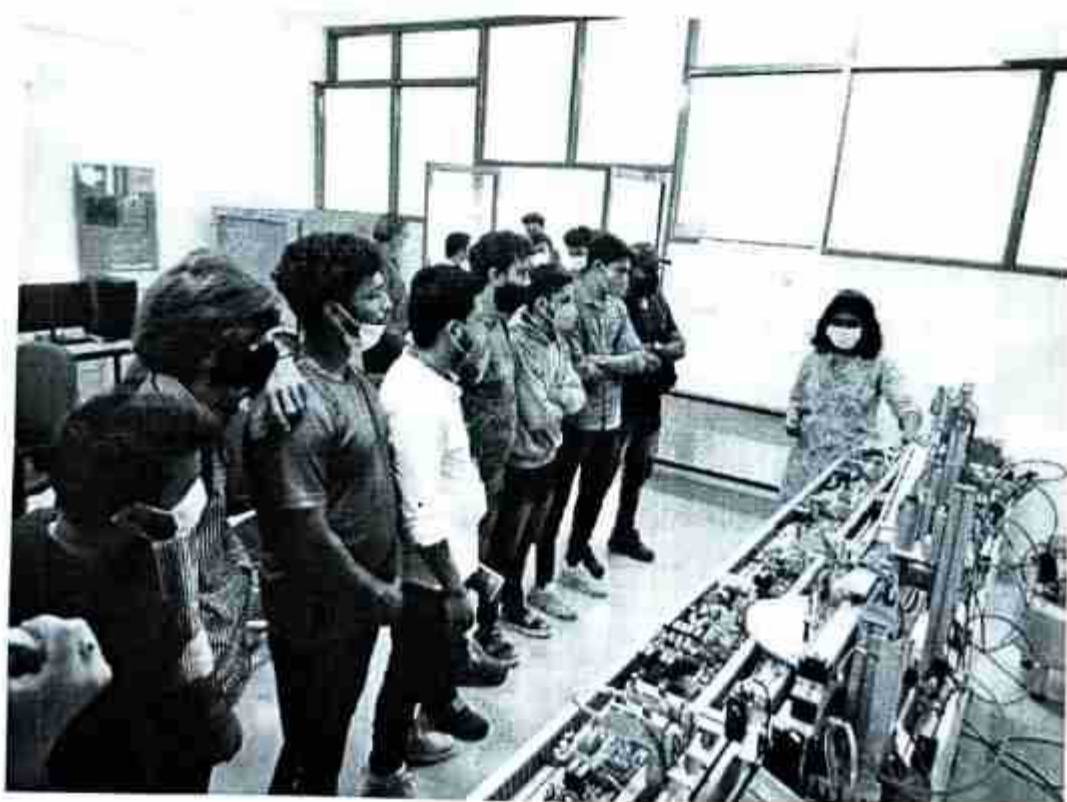
Government Tool Room and Training Centre (GTTC) was established in 1972 at Bangalore with the participation from the State Government of Karnataka, in collaboration with Government of Denmark under the Bilateral Development Co-operation Agreement. The excellent performance of GTTC, Bangalore and proactive State Government of Karnataka led to expansion, and a second unit of GTTC was started in 1992 with DANIDA assistance at Mysore. GTTC is meeting the needs of industries which are developing due to proliferation of new technologies by skilling the students as per the requirements. GTTC is an autonomous society, a recognized Scientific and Research Organization by the Government of India. GTTC is serving the industry by providing well trained skilled manpower in Tool and Die Making, Mechatronics and Electronics.

A total 26 students along with faculty left the college campus at 1 pm and arrived at the GTTC at 2 pm. We met Mr. Srinivas Gopal who was the coordinator from GTTC. At first brief introduction about GTTC was given, then function of each department in GTTC both in Manufacturing plant and centre of excellence was explained in the PPT presentation. various programmes undertaken by GTTC for the benefit of graduate students was also briefed.

  
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Mr. Srinivas Gopal briefing students about various functions of the labs in CoE of GTTC



Students observing the pneumatic operations and how the part flows in line after undergoing operation



**Bengaluru, Karnataka, India**

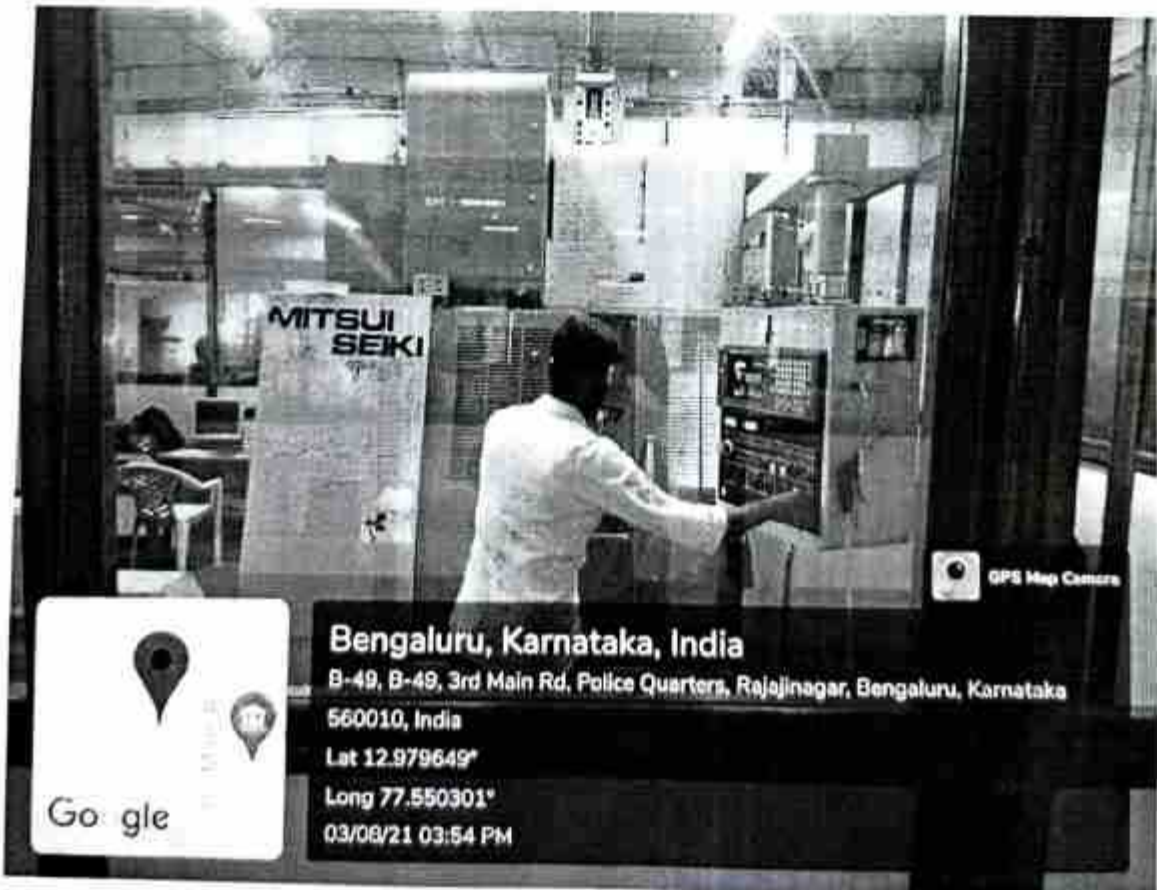
A-109, Police Quarters, Rajajinagar, Bengaluru, Karnataka 560010, India

Lat 12.980429°

Long 77.552357°

03/08/21 03:37 PM

Students observing design of robot in the Siemens software



**Bengaluru, Karnataka, India**

B-49, B-49, 3rd Main Rd, Police Quarters, Rajajinagar, Bengaluru, Karnataka 560010, India

Lat 12.979649°

Long 77.550301°

03/08/21 03:54 PM

Students observing operation MITSUBISHI SEIKI CNC machine

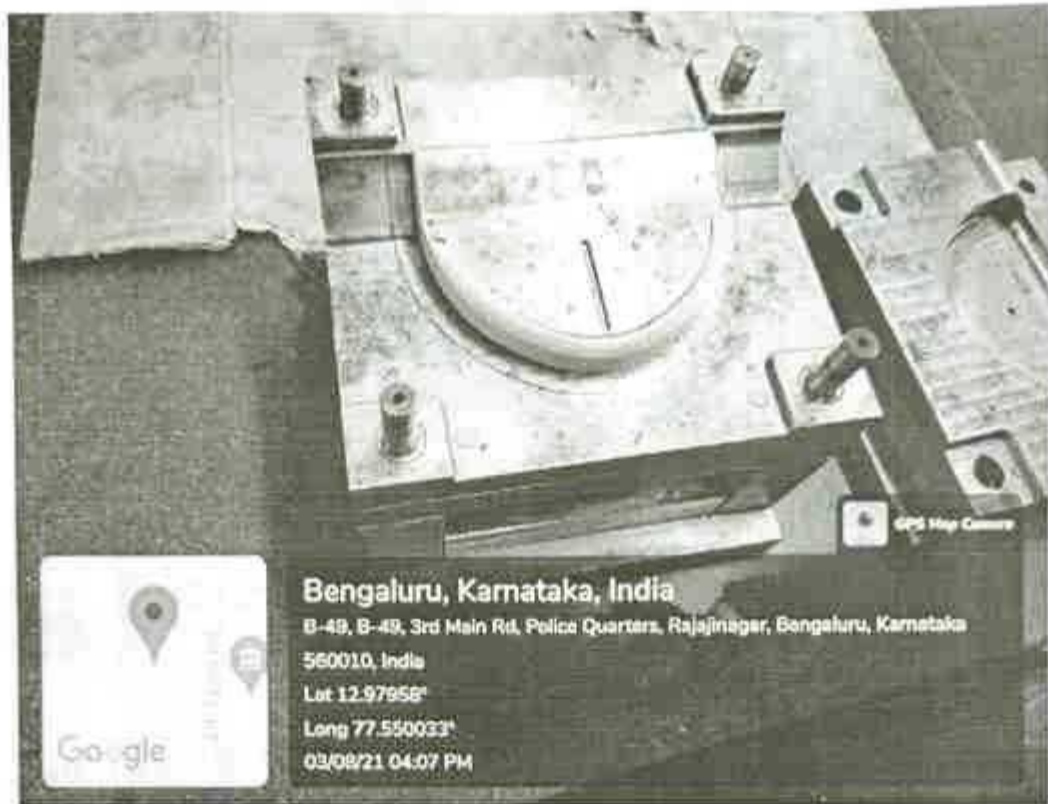


Students observing a STRATASYS 3D printing machine



Various 3d printed components

*Prakash*  
 PRINCIPAL



A die for making face shield which manufactured by GTTC



Group photo taken at the entrance of the GTTC

*Deepak*  
**DEEPAK A.R**  
 Coordinator

*H.R. Kandelu*  
 H.R. Kandelu  
 R.R. Institute of Technology  
 Bengaluru-56  
 Page 493 of 713

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Raja Reddy Layout, Chikkabanavara, Bangalore - 560 090

Industrial visit to GSTRIC and CIE-Siemens

MECHANICAL ENGINEERING (VI SEMESTER)

Date: 03/08/2021

Sl No	NAME	USN	SIGNATURE
1	Jerin bm	1R116ME015	[Signature]
2	Naveen Kumar mehta	1R116ME019	[Signature]
3	Prem Kumar N	1R117ME013	[Signature]
4	Abishek Johny	1R118ME001	[Signature]
5	Amit Kumar Bhagat	1R118ME003	[Signature]
6	Anjan Gowda . H	1R118ME004	[Signature]
7	Gurukiran	1R118ME008	[Signature]
8	Jein Varghese	1R118ME012	[Signature]
9	Kamrul Ansari	1R118ME013	[Signature]
10	Mebin mathew	1R118ME017	[Signature]
11	Narayan Prasad Pokharel	1R118ME019	[Signature]
12	Pronob Jyo Gogoi	1R118ME020	[Signature]
13	Rahul Prasad Singh yadav	1R118ME021	[Signature]
14	Ramkumar Devaraddi	1R118ME022	[Signature]
15	Ravi Kumawat N	1R118ME023	[Signature]
16	Rizwan Razak	1R118ME025	[Signature]
17	Sagar Nyaupane	1R118ME026	[Signature]
18	Sanjith Sunny	1R118ME027	[Signature]
19	Saroj Budhathoki	1R118ME028	[Signature]
20	Sunil Chai	1R118ME029	[Signature]
21	Tabrej Alam	1R118ME030	[Signature]
22	Trinayan Borthakur	1R118ME031	[Signature]
23	Yandapalli sadasivareddy	1R118ME033	[Signature]
24	Kishan G Gaikwad	1R119ME400	[Signature]
25	Sourav nath	1R119ME401	[Signature]

26	Sagar Gowda M V	1R114ME070	[Signature]
27	Ashutosh Kumar	1R115ME017	[Signature]
28	Sangeeth Dharshan S	1R115ME098	[Signature]
29	Debika Mukherjee	1R117ME401	[Signature]
30	Mahfooz alam	1R115ME055	[Signature]
31	Vishnu Raveendran	1R116ME037	[Signature]
32	Adarsh A	1R117ME003	[Signature]
33	Arun kumar K	1R117ME005	[Signature]
34	Md Imroz khan	1R118ME403	[Signature]
35	Vikrant Sangam	1R118ME408	[Signature]

*Melank.*  
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# R R Institute of Technology

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21/05/2019

## MEMORANDUM OF UNDERSTANDING FOR COLABORATIVE ACTIVITIES

Between

R R Institute of Technology, Raja Reddy Layout, Hesaraghata main road,  
Chikabannavara, Bangalore-560090

And

Cadmaxx Solutions Pvt Ltd, #2095, 2<sup>nd</sup> floor, 9<sup>th</sup> cross, 5<sup>th</sup> main Road, RPC Layout  
Vijaynagar ,Bangalore

### Purpose

The purpose of this Agreement is to promote collaboration in engineering education and problem solving activities between the Department of Mechanical Engineering of R R Institute of Technology, Raja Reddy Layout, Hesaraghata main road, Chikabannavara, Bangalore-560090 and the Cadmaxx Solutions Pvt. Ltd, #2095, 2<sup>nd</sup> floor, 9<sup>th</sup> cross, 5<sup>th</sup> main Road, RPC Layout Vijaynagar Bangalore.

### Types of Cooperation

Through this memorandum, both parties affirm the value of collaboration and agree to promote the following activities:

1. Industrial Visit;
2. Guest Lectures;
3. Quiz competitions;
4. Product & Industry awareness program;
5. Conducting Workshops;
6. Coordinator for knowledge enhancement program;
7. Other activities as mutually agreed like Training, FDP.

This Agreement places no financial obligations or supplementary funding commitments on either Party. These activities will be defined through separate program agreements that detail the commitment of resources (financial or otherwise) required by each Party. Subsequent program agreements must be approved in writing by the authorized representatives of each Party.

  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



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# R R Institute of Technology

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Accredited by NAAC

## Terms

This Agreement will become effective upon the date of signature by both Parties. It shall remain valid for a period of three (3) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both Parties. This Agreement may be terminated by either Party with advance written notice of at least thirty (30) days. Upon notice of termination both **R R Institute of Technology, Raja Reddy Layout, Hesaraghata main road, Chikabannavara, Bangalore-560090** and **Cadmaxx Solutions Pvt. Ltd** agree to work in good faith to enable visiting scholars to complete their respective programs unhindered by the termination. The agreement may be extended by mutual consent of the two Parties after the period, and it must be renewed in writing

Both the parties will maintain confidentiality regarding know how's and technology and other sensitive details related to each other's operations.

This Memorandum of Understanding completed in English is hereby signed on 21<sup>st</sup> May, 2019 in two (2) copies with one (1) copy remaining in the possession of each Party.

Director/President  
Sri. Arunkumar Patil Managing Director  
Cadmaxx Solutions Pvt. Ltd, Bangalore

HOD

PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore-560 090

HOD of Mechanical Engineering  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90



Witness:

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.





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# R R Institute of Technology

(Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi & Government of Karnataka)

Department of Mechanical Engineering

## Report on Industrial visit to CADMAXX Solutions Pvt. Ltd.

Date: 28-12-2019

**About the industrial visit:** Departmental of Mechanical Engineering had organized industrial visit for 5<sup>th</sup> semester students of Mechanical Engineering to CADMAXX Solutions Pvt. Ltd. on 18-12-2019. This industrial visit was intended to provide a platform for students to get basic understanding of the product development in an industry.

**Objective of the industrial visit:** To know the latest tools and technologies used in product development and manufacturing industries.

**Industry Visited:** CADMAXX Solutions Pvt. Ltd.  
#2095, 5<sup>th</sup> main 9<sup>th</sup> cross  
RPC Layout, Vijaynagar  
Bangalore - 560040



**About the Industry:** CAD MAXX is an ISO 9001:2015 certified multi service organization with a vision to offer to innovative technology services and training with multiple business centers serving clients in Asia pacific and middle east region from 2004. CADMAXX has a proven track record in providing multidimensional solutions by leveraging technology, high talented resources, industrial best practices and flexible business models across aerospace, automotive, automation and industrial engineering domains. The company has dedicated shop floor with latest piece of equipment and tools to build complete systems involving various products such as high-pressure valves, nozzles, filters and other related products.

**Number of Participants:** 40

### **Outcome:**

1. Students came to know about the product design requirements from the modern manufacturing industries.
2. Students were exposed to the latest tools used in product development like CATIA, HYPERMESH, SOLIDWORKS, NX-CAD, AUTOCAD.
3. Students learnt about high pressure pumping systems, high pressure descaling systems and high pressure unloading valves.
4. Students learnt about the drawings and international standards followed in the company.

*Mallesh*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



*M. Lakshmi*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*A.K. Kandan*  
HOD of Mechanical Engineering,  
R.R. Institute of Technology,  
Heasarghatta Main Road,  
Chikkabanavara, Bangalore - 560



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Department of Mechanical Engineering**

## Attendance of Industrial Visit to CADDMAXX solutions Pvt Ltd on 18/12/2019

Sl. No	USN	Name	Signature
1	1RI14ME003	AJITH V	Ajith
2	1RI14ME006	AKASH M	AK
3	1RI14ME021	DEVARAJ D R	Devaraj
4	1RI14ME025	GAGAN N	Gagan
5	1RI14ME030	IMRAN R	IR
6	1RI14ME036	MADHUSUDHAN B S	Madhu
7	1RI15ME003	AJAY L R	Ajay
8	1RI15ME009	AMDADUL HAQUE	Amadul
9	1RI15ME025	BHARATH N	Bharath
10	1RI15ME027	BIJENDRA KUMAR	Bijendra
11	1RI15ME034	DARSHAN N	Darshan
12	1RI15ME041	KENCHESH H N	Kenchesh
13	1RI15ME046	INDRESH M P	Indresh
14	1RI15ME050	KAPU BHANU PRAKASH	Kapu
15	1RI15ME058	MANOJ	Manoj
16	1RI15ME064	MOHAMMED RAFI K P	Rafi
17	1RI15ME069	NITISH J H	Nitish
18	1RI15ME092	S SANJAY	Sanjay
19	1RI15ME104	SIDDHARTH N	Siddharth
20	1RI16ME005	ARUN KUMAR YADAV	Arun
21	1RI16ME007	BASAVARAJA E GURAPPANAVARA	Basava
22	1RI16ME008	BHARATH R	Bharath
23	1RI16ME009	BHARATH R	Bharath
24	1RI16ME010	BIJAY KUMAR MANDAL	Bijay
25	1RI16ME013	GURUKIRAN L M	Gurukiran
26	1RI16ME017	MANJIL POUDEL	Manjil
27	1RI16ME018	MANOJ KUMAR V	Manoj
28	1RI16ME020	PAVAN B P	Pavan
29	1RI16ME021	PITAMBAR CHAUDHARY	Pitambar
30	1RI16ME024	SANDEEP D	Sandeep
31	1RI16ME025	SANDEEP PRASAD YADAV	Sandeep
32	1RI16ME026	SANGAYYA I TENGINAMATH	Sangayya

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 CHIKKABANAVARA, BANGALORE - 560 090.  
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33	IRI16ME027	SAROJ KUMAR YADAV	AR
34	IRI16ME029	SHISHIR ACHHAM	Shishir
35	IRI16ME030	SHYAM KISHOR MUKHIYA	Shyam K. M.
36	IRI16ME034	SUSHIL KUMAR YADAV	Sushil
37	IRI16ME035	UTTAM SHAH	Uttam
38	IRI16ME043	SUNIL B	Sunil B
39	IRI16ME402	ANITH KUMAR R	Anith K
40	IRI16ME403	BHARAT H J	AB
41	IRI16ME408	DEEPAK KUMAR S	Deepak
42	IRI16ME416	KARTHIK MANJAJAH HIREMATH	Karthik
43	IRI16ME428	SURESH ASHU	Suresh Ashu
44	IRI17ME402	HEMANTH KUMAR A R	AB
45	IRI17ME404	RAKSHITHA Y T	AB
46	IRI17ME405	SHASHANK M	Shashank
47	IRI17ME406	SHRIDHAR M	Shridhar
48	IRI17ME407	YOGEEESH J M	Yogeeesh
49	IRI14ME092	MANSIF KUMAR YADAV	Mansif. K. Y.
50	IRI16ME046	ANANDU K S	Ananduk
51	IRI16ME045	ABHIJITH C R	Abhijith
52	IRI15ME121	ROSHAN KUMAR SAH	Rohan

Students present :- 40.

  
Convener

  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



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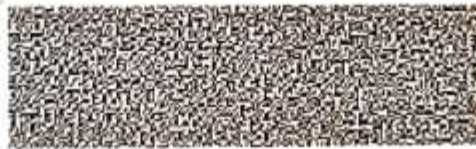
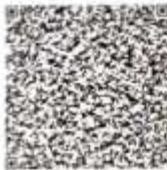
Government of Karnataka

e-Stamp

Certificate No. : IN-KA16755063190940U  
 Certificate Issued Date : 30-Aug-2022 02:09 PM  
 Account Reference : NONACC (FI)/ kacrstf08/ BAGALGUNTE1/ KA-GN  
 Unique Doc. Reference : SUBIN-KAKACRSFL0847660906513736U  
 Purchased by : R R INSTITUTE OF TECHNOLOGY BANGALORE  
 Description of Document : Article 4 Affidavit  
 Description : AFFIDAVIT  
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 First Party : R R INSTITUTE OF TECHNOLOGY BANGALORE  
 Second Party : BIS BANGALORE  
 Stamp Duty Paid By : R R INSTITUTE OF TECHNOLOGY BANGALORE  
 Stamp Duty Amount(Rs.) : 100  
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*Melaha*  
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Chikkabanavara, Bangalore - 560 090.



Please write to final@kva.nic.in

Annex 4

**FORMAT OF UNDERTAKING TO BE EXECUTED BY THE MENTOR OF STANDARD CLUB AT THE TIME OF RECOGNITION**

1. The undertaking is given at **BANGALORE** on this **1<sup>st</sup> day of SEPTEMBER** month of **2022** year by **Dr. Channabasavaraj S** Standards Club of **R. R. Institute of Technology, Bangalore** which shall include its successors and assigns, recognized by the **Bureau of Indian Standards** (hereinafter referred to as the Bureau") Vide letter **88138/2022/TNMD Dated May 2022** in accordance to the Guidelines on Standards Club approved by the Director General of the Bureau.

2. WHEREAS the said Standards Club is eligible for drawing an advance amount, towards financial support for each of the activities of Standards Club, on the terms conditions specified in the Guidelines.

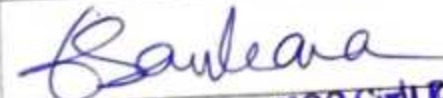

3. Now, the Standards Club here by agrees that whenever it received advance from the Bureau for conduct of any activity of the Club, it shall abide by the following terms and conditions:

- I. To refund the advance amount in case the activity, for which it has been paid by the Bureau, is not completed by the Standards Club; and
- II. To refund the unspent amount of advance, if any, on completion of the activity; and
- III. To refund the advance amount in case the Standards Club is derecognized by the Bureau

4. It is hereby further agreed and declared that the said Standards Club shall not spend the amount of advance for any activity other than that has been approved by the Head of Bangalore Branch Office of the Bureau. Hence, the amount of advance shall be used by the Standards Club only for the purpose or purposes for which the amount was sanctioned.

5. IN WITNESS WHEREOF these presents have been executed by the Standards Club on the day and year first above return.

6. The Standards Club has agreed to bear the stamp duty chargeable on this document.

Witness	Head of the institute
<p> Signature of Witness Name: Dr. G. S. ... Address: HOD, Department of Civil Engg. RRIT, Chikkabanavara, Bangalore 560090 Mob. No.: +91 9241145762</p> <p><b>HOD CIVIL ENGG.</b> <b>R.R. INSTITUTE OF TECHNOLOGY</b> Chikkabanavara, Bangalore - 560 090</p>	<p> Signature of Head of Institute Name: Mahendra K. V. Address: Principal, RRIT, Chikkabanavara, Bangalore - 90 Mob. No.: +91 9591227283</p> <p><b>PRINCIPAL</b> <b>R.R. INSTITUTE OF TECHNOLOGY</b> Chikkabanavara, Bangalore - 560090</p>

  
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Chikkabanavara, Bangalore - 560 090.



## ORGANIZING COMMITTEE

### Chief Patron

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### Administrator

**Prof. Maya Salimath G**

Director QAC -R. R. Institutions

### Chair Person

**Dr. Mahendra K V**

Principal -RRIT, Bengaluru

### Convener / Organising Secretary

**Dr. Channabasavaraj S**

Professor & Head, Dept. of ME

### Coordinator

**Mr. Deepak AR**

Asst. Professor, Dept of ME

### Organising Committee Members

**Dr. Suresha C N**, Professor

**Dr. Amarnath G**, Assoc. Professor,

**Dr. Manjunatha G**, Assoc. Professor

**Mr. Srinivas K R**, Asst. Prof.

**Mr. Lohith J Kondapura**, Asst. Prof.

### Student Member

**Rakesh M**, 3<sup>rd</sup> year

**Shrutee Yadav**, 2<sup>nd</sup> year

Department of Mechanical Engineering  
Cordially invites all staff and students  
for

## One Day Workshop on "Standard Writing Competition" on

16<sup>TH</sup> JUNE 2023 @ 10.30 AM

Venue: Mechanical Seminar Hall

### CHIEF GUEST

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### GUEST OF HONOR


**Dr. Mahendra K V,**  
Principal,

RRIT, Bengaluru

### GUEST SPEAKER

**Mohan Kumar.P.N**

Bureau of Indian Standards  
Bengaluru

  
Signature  
Convener

**Dr. Channabasavaraj S**  
Professor & Head, Dept. of ME

  
Signature  
Principal

**Dr. Mahendra K V**

  
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Chikkabanavara, Bangalore - 560 090.

Vision

"To grow beyond leaps & bound as an institute of par excellence in the arena of technical and professional education. Develop human resources to a global standard through creative, dynamic and constructive learning process."



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Mechanical Engineering

RRIT/MECH/2022-23/11

Enclosure: 04

Date: 19-06-2023

## Report on "Standard Writing Competition"

One-day workshop on "Standard Writing Competition" was organized by department of mechanical engineering on June 16, 2023. The Programme began with welcoming the guest Sri. Mohan Kumar P N who has 33 years of design & applications experience in special purpose metal cutting machine tool control system & trouble shooting of machineries. Principal Dr. Mahendra K.V welcomed the guest speaker with a bouquet. And our Hod Dr. Channabasavaraj welcomed the principal with a bouquet for the workshop.

The Objectives/Topics covered in "Standard Writing Competition":

- Introduce participants to the concept of standards and their significance.
- Highlight the role of BIS in setting and enforcing standards.
- To know how the standards are set by the BIS when a new product is developed.
- Enhance participants' knowledge about the benefits of adhering to standards.
- Discuss the relevance of standards in specific industries.
- Encourage participants to actively participate in the standardization process.

Session 1: 10.30 AM to 1.00 PM

The Workshop was organized by the Standards Club of RRIT. The Principal Dr. Mahendra KV gave presidential address and highlighted the importance of the workshop and its advantages. Invocation song was sung by Vidhya, 6<sup>th</sup> semester, ECE Department, RRIT. Lamp was lightened by the guest speaker, Principal, Hod and Student coordinators. Dr. Channabasavaraj S, Hod & mentor of standards club gave introduction about the program. He gave overview of the workshop which aimed at providing students with an understanding of standards and their importance in various fields. He familiarized participants with the role of BIS in developing and implementing standards across industries. A brief discussion on national and international standardization bodies was done.

*Mahendra K.V.*  
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Session 2: 2.00 PM to 4.30 PM

Speaker explained the advantages of exploring and adhering to standards for businesses and consumers. Few case studies highlighting the positive impact of standards on product quality, safety, and marketability was discussed. Presentations and interactive sessions on standards relevant to specific industries like manufacturing, healthcare, IT. Discussing how standards contribute to





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efficiency, interoperability, and sustainability in these industries. A brief explanation on standards writing was given by the guest speaker.

A Standard Writing Competition was organized to further engage and challenge the participants in understanding the intricacies of standards. The task was to write the standard for two-wheeler helmet design. The competition aimed to provide a platform for participants to showcase their knowledge and writing skills in formulating a standard. They were encouraged to research, analyse existing standards, and propose innovative approaches to address the identified issues effectively. Each paper written by students was evaluated and marks are awarded accordingly. The following students have won the prize for writing standards.

First prize – Varshith M (6<sup>th</sup> sem)

Second prize shared by – Niraj Kumar (4<sup>th</sup> sem), Shristee Yadav (4<sup>th</sup> sem) & Rudra Patel (6<sup>th</sup> sem)

Third prize shared by – Kallol Roy (4<sup>th</sup> sem) & Mahesh Kumar (6<sup>th</sup> sem)

Total Number of Participants : 38

Number of Students : 32

Number of Faculty : 6

The feedback received from participants was overwhelmingly positive. They appreciated the workshop's interactive sessions, well-structured agenda, and the expertise of the facilitators. Participants expressed their desire for more such workshops to be organized in the future.

Guest speaker was felicitated by the Principal and Hod of Mechanical Engineering Dept, RRIT. The program ended with good note.



*Mahesh*  
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Signature of the Coordinator

*M. Lakshmi*  
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Enclosure: 01

## Attendance Sheet

Date: 16-06-2023

Time: 10.30 AM

Event Name: Standard Writing Competition

Venue: Seminar Hall, Mechanical Department.

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Signature of the Coordinator

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Dept. of Mechanical Engineering

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**Dr. Mahendra K V**  
Principal -RRIT, Bengaluru

### Convener / Organising Secretary

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Professor & Head, Dept. of ME

### Coordinator

**Mr. DEEPAK A R**  
**Mr. Kalburgi Bharath**  
Asst. Professor, Dept of ME

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**Mr. Lohith J Kondapura**, Asst. Prof.

### Student Member

**Raksh, 3<sup>rd</sup> year**  
**Shrutee Yadav, 2<sup>nd</sup> year**

Department of Mechanical Engineering

**Cordially invites all staff and students**

**for**

**One Day Training programme**

**ON**

**“STANDARDS”**

**26<sup>TH</sup> December 2022 @2 PM**

Venue: Seminar Hall, Mechanical Dept.

### CHIEF GUEST

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

### GUEST OF HONOR

**Dr. Mahendra K V**,  
Principal,  
RRIT, Bengaluru

### GUEST SPEAKER

**PRADEEP KUMAR**  
Deputy Director  
Bureau of Indian Standards  
Bengaluru

Signature  
Convener  
**Dr. Channabasavaraj S**  
Professor & Head, Dept. of ME

Signature  
Principal  
**Dr. Mahendra K V**

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Vision

## **Report**

### **One day training program on Standards**

The Bureau of Indian Standards (BIS) is the national standards body of India. It was established in 1987 under the Bureau of Indian Standards Act, 1986. The BIS is responsible for developing and promoting standards in various fields such as food, chemical, textile, electronics, mechanical engineering, and more. Recently, a one-day training program on standards was organized by the BIS to educate individuals and organizations about the importance of standards and their implementation. The following is a report on the training program. Speaker was Mr. Pradeep Kumar, Deputy Director, Bureau of Indian Standards, Bangalore.

The main objectives of the training program were to:

- Create awareness about the importance of standards and their implementation in various industries
- Educate individuals and organizations about the process of standards development and implementation
- Provide practical examples of how adherence to standards can improve product quality and safety
- Highlight the benefits of obtaining certification from the BIS

The first session was an introductory session where the trainers provided an overview of the BIS and its functions. They also discussed the importance of standards and their role in ensuring product quality and safety.

The second session focused on the process of standards development and implementation. The trainers explained how standards are developed, the stakeholders involved, and the process of implementation. They also discussed the role of the BIS in developing and promoting standards.

The third session provided practical examples of how adherence to standards can improve product quality and safety. The trainers gave examples from various industries such as food, textiles, and electronics. They also highlighted the benefits of adhering to standards, such as increased consumer confidence and reduced liability.

The fourth and final session focused on certification from the BIS. The trainers explained the process of obtaining certification, the benefits of certification, and the different types of certifications offered by the BIS.

Overall, the one-day training program on standards by the Bureau of Indian Standards was informative and beneficial. The program provided a comprehensive overview of the importance of standards and their implementation. The practical examples and case studies provided by the trainers were particularly useful in highlighting the benefits of adherence to standards. The program also provided an opportunity for individuals and organizations to learn about the certification process and the benefits of obtaining certification from the BIS.











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"One Day Training Program on Standards"

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# MEMORANDUM OF UNDERSTANDING BETWEEN



Karnataka State Council for Science and Technology  
(KSCST), IISc Campus, Bengaluru

&



R R Institute of Technology (RRIT), Bengaluru

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Chikkabanavara, Bangalore - 560 090.



सत्यमेव जयते

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 Account Reference : NONACC (FI)/ kacrsf108/ BAGALGUNTE1/ KA-GN  
 Unique Doc. Reference : SUBIN-KAKACRSFL0830405230792826U  
 Purchased by : R R INSTITUTE OF TECHNOLOGY  
 Description of Document : Article 4 Affidavit  
 Description : AFFIDAVIT  
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 First Party : R R INSTITUTE OF TECHNOLOGY  
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 Stamp Duty Paid By : R R INSTITUTE OF TECHNOLOGY  
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*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



Please write or type below this line

**R R Institute of Technology (RRIT), Bengaluru**, setup with a mission of imparting education to all sections of society, was established in the year 2008 to render highest standards of academic achievement with moral and social commitments. Converting the idea of providing high quality education combined with excellent infrastructure into a reality in Indian context. R R Institute of Technology (RRIT) have proved the capability of placing students after completing their course in prestigious organization across the country and abroad. R R Institute of Technology (RRIT) is accredited with B+ by NAAC. The UG programs **Computer Science Engineering, Information Science Engineering and Civil Engineering** are accredited by NBA.

*Mahesh*

*MS*

Page 2 of 5

Statutory Alert.

1. The authenticity of this Stamp certificate should be verified at 'www.shrestamp.com' or using e-Stamp Mobile App of Stock Holding Corporation of India.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile app renders it invalid.
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Generating a synergistic relationship with the industry with a long-term view where the college and the industry could have a mutually beneficial relationship, it aims a rigorous, relevant and rewarding education with a special the emphasis on practical and technical inputs. Ideally located away from the huzzle and buzzle of Bangalore city.

**Karnataka State Council for Science and Technology (KSCST)** was established in the year 1975. It is one of the first State S&T Councils set up in the country. KSCST is an autonomous S &T organization under Department of Science & Technology, Government of Karnataka.

KSCST has been pro-actively engaging itself to identify, propose and implement S&T based solutions to locale specific needs/problems in the broad areas of Water, Education, Energy, Ecology and Environment, Waste management and Infrastructure. In co-operation with the Indian Institute of Science and several other premier R&D institutions, KSCST executes many projects and programmes aimed at improving socio-economic conditions of the people of the state.

Over the years, a number of technologies have been generated, from research and demonstration phase, to the implementation and operational phase. KSCST provides support to the Central and State Governments, in formulation of S&T based policies, scientific surveys, project implementation, evaluation, co-ordination & monitoring, organization of scientific meets and awareness campaigns. The Department of Science and Technology, Government of India advocated KSCST as a model to all the states.

The **Principal, R R Institute of Technology (RRIT), Bengaluru** representing the RRIT and The **Executive Secretary, Karnataka State Council for Science and Technology representing KSCST, Bengaluru** have arrived at this Memorandum of Understanding for mutual co-operation and collaboration on matters of Intellectual Property Rights (IPRs) on mutual interest. Hence, this Memorandum of Understanding (MOU).

The following are the terms of agreement:

1. The Name of the IP cell will be called as **RRIT - KSCST IP Cell**
2. For the purpose of this MOU, KSCST, Bengaluru to provide the technical assistance in matters relating to Intellectual Property Rights on need basis as mutually agreed upon.
3. KSCST and RRIT may in joint collaboration organize conduct workshops, training programs, research activities, and assist in further development of IPR ecosystem in the host institute.
4. If need arises, KSCST and RRIT may constitute a working group to work out the practical problems of collaboration if any, between the two parties in general and to ensure proper and effective implementation of this MOU.
5. Such details agreed upon will be effective by exchange of letters by KSCST and RRIT and such letters shall form part of this agreement.
6. RRIT reserve or allocate suitable fund for filings and other issues of IPRs that generated from the host institute.

*Mahesh*

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7. The host institute should send a detail report on IP activities of the IP cell for the academic year to be sent to KSCST for information and to provide needful inputs.

### SCOPE OF THE MOU:

KSCST and RRIT shall/may take relevant steps and measures to protect, promote and enhance research and development, which shall create scope for development of Intellectual Property and take appropriate decisions and measure in furtherance of the same.

### **Karnataka State Council for Science and Technology (KSCST) - Roles and responsibilities**

- ❖ KSCST shall provide technical assistance in filing the registration of IPRs and prior art searches.
- ❖ KSCST shall associate with RRIT in identifying the potential IP innovations in the host institute.
- ❖ KSCST shall associate with RRIT in organizing IPR programmes
- ❖ There shall be no financial responsibility from the side of KSCST.

### **R R Institute of Technology (RRIT), Bengaluru- Roles and Responsibilities**

- ❖ Shall make available suitable infrastructure, place, manpower for functioning of IP cell and also other needful amenities for the same.
- ❖ Shall nominate IP cell Coordinator to lead the RRIT-KSCST IP cell and also nominate faculty from all the other institutions coming under it to promote IPR in host institute.
- ❖ Should also nominate and **Executive Committee** consisting of members from (KSCST, Host institute (Principal/ Secretary/ Treasurers/ Vice chancellor/ Dean/ Head of the departments) IP attorney/ Patent agent &, IP cell Coordinator) and **Working Group Committee** member consisting of the IP cell Coordinator, KSCST, 1 or 2 faculty from each department from host institute.
- ❖ Should allow IP cell to sensitize and involve the students, faculty, research scholars, and other members and provide awareness and training workshops on IPR periodically.
- ❖ Shall allow the IP Cell to identify and drive the innovation to file & commercialize the IPRs from the institutions associated with host institute.
- ❖ Should also allocate or source fund from other agencies for filing, commercialising, technology transfer and any IPR issues of the host institute

### DURATION OF THE MOU

This MOU shall be in effect initially for a period of **Five years (5 Years)** from the date on which this MOU is signed by both the parties and may be renewed thereafter, by mutual consent. Either party may terminate the agreement by written notification sent to the proper Officer of the institution. Such notice must be received by either Party within six months prior of the effective termination date.

In witness where of the parties hereto cause this instrument to be executed as of the date, month and year indicated below.

*Mahesh*


Page 4 of 5

*Mahesh*  
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**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

*Ms*  
Page 522 of 713


On behalf of the R R Institute of Technology (RRIT), Bengaluru

  
Dr. Mahendra K V,  
Principal,  
R R Institute of Technology (RRIT), Bengaluru  
Date: 24<sup>th</sup> August 2022

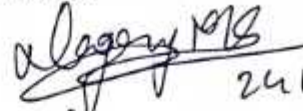
On behalf of the Karnataka State Council for Science and Technology (KSCST),  
Bengaluru ,

  
Mr. H Hemanth Kumar  
Executive Secretary  
Karnataka State Council for Science and Technology (KSCST),  
Bengaluru  
Date: 24<sup>th</sup> August 2022  
Executive Secretary  
Karnataka State Council for  
Science and Technology  
Indian Institute of Science Campus  
BENGALURU - 560 012

(RRIT)  
Witness:

  
(Dr. SURESHA C.N)

(KSCST)  
Witness

  
24/8/2022  
Alagarjun M.G

  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenara, Bangalore - 560 090.



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PKM Educational Trust®

# R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)  
Accredited by NAAC

Ref: RRIT-Admin/2021-22/207

To  
**Mr. H Hemanth Kumar**  
Executive Secretary  
Karnataka State Council for Science and Technology (KSCST)  
Bengaluru

29<sup>th</sup> July 2022

Dear Sir / Madam

Sub: Establishment of Intellectual property Rights (IPR) cell at our institute.

Educational institutions mainly focus to build technical and ethical human resource for the entire societal development. The inventions of an organization through the human resources may be in the form of products, expressions, designs and so on. The actual challenge is to transfer intellectual assets of an organization to commercial products for the benefit of the society. By considering such challenges **R R Institute of Technology (RRIT)** is keen in establishing IPR cell and carryout the activities for the benefit of RRIT personnel (staffs and students) for systematic intra and inter-institutional knowledge management. The key features of the IPR cell are as follows:

- Encourage, initiate, promote and protect scientific inventions and research which leads to new products/processes/designs development.
- Implement a professional anatomy and process set for the inventions and innovations made through institutional research to make them readily available for the public by transferring the knowledge from institution to commercial society.
- Establish standards for recognizing the rights and responsibilities of the Institution, inventors and their industrial collaborators with respect to intellectual works carried out at the Institution.
- Inspire, support and afford conjointly beneficial rewards to the members of the Institution and others who assisted to transfer Institutional intellectual property to the public through commercial channels.
- Improve the reputation of the Institution as an academic research institution and a member of society by supporting and encouraging novel research activities which lead to provide noble intellectual assets to the Institution.

In this regard we would like to associate with KSCST to establish IPR cell at our institute and guide the activities of the cell. Kindly do the needful.

Thanking you

Yours Faithfully

*Maheshale*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**

Chikkabanavara, Bangalore - 560 090

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

E-mail : rrit@rrinstitutions.com, www.rrit.ac.in, www.rrinstitutions.com



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(AFFILIATED TO VTU, BELAGAVI | APPROVED BY AICTE, NEW DELHI & GOVERNMENT OF KARNATAKA)

Inaugural function of  
**RRIT KSCST IP CELL**

**24<sup>th</sup> August 2022**

**INVITATION**



In association with

**Karnataka State Council for Science & Technology**

**(KSCST), IISC Campus, Bengaluru**

Jointly Organised by

**R R Institute of Technology**

**Bengaluru-560 090**



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# RR Institute of Technology

ACCREDITED BY NAAC, NBA (CSE, ISE & CIVIL)

(AFFILIATED TO VTU, BELAGAVI | APPROVED BY AICTE, NEW DELHI & GOVERNMENT OF KARNATAKA)

**Solicit your gracious presence on the occasion of  
Inaugural function of**

## **RRIT KSCST Intellectual Property Rights Cell**

Chief Guest:

**Mr.H.Hemanth Kumar**

Executive Secretary,

Karnataka State Council for Science & Technology (KSCST),Bengaluru

Presided by

**Shri. Arun H R**

Director, PKM Educational Trust

**Dr.Mahendra KV**

Principal, RRIT

**Staff & Students**

**DATE**

**24<sup>th</sup> August 2022 , 10.30 AM**

**VENUE**

**RRIT Campus Seminar hall  
(Mech dept)**



## **R R Institute of Technology (RRIT),**

Raja Reddy Layout,  
Heseraghatta Main Road,  
Chikkabanavara Bangalore – 560 090

*In association with*

**KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**

Indian Institute of Science Campus Bengaluru- 560012

*Presents*

### **“Establishment of RRIT – KSCST IP CELL”**

**Date:** 24<sup>th</sup> August 2022

**Venue:** RRIT

**Timings:** 10.30 am

### **Program Agenda**

Time	Topic	Speaker
10.30 am -10.35 am	Invocation	
10.35 am -10.40 am	Lighting the Lamp	
10.40 am – 10.45 am	Welcome address & Address about IP Cell	Dr Suresha C N
10.45 am – 11.00 am	Inauguration of IP Cell	Dignitaries
	Introduction of chief guest	Prof. Lohith J K
11.00 am – 11.15 am	Key note address	Mr. Hemanth Kumar Executive Secretary, KSCST
11.15 am – 11.25 am	Presidential Address	Dr. Mahendra K V Principal
11.25 am – 11.30 am	Vote of thanks	Dr. Channabasavaraj S

**Name of the Event:** Inauguration of RRIT – KSCST IP CELL

(Intellectual Property Rights)

**Coordinator :** Dr Suresha C N, Professor -ME

**Date:** 24<sup>th</sup> August 2022

**Venue :** RRIT - Seminar hall (Mechanical Engineering Block )

### **Report**


The Inauguration function of RRIT – KSCST IP CELL In association with **Karnataka State Council for Science & Technology (KSCST)**, IISC Campus, Bengaluru was held on 24<sup>th</sup> August 2022. **Mr. H. Hemanth Kumar**, Executive Secretary, Karnataka State Council for Science & Technology (KSCST), Bengaluru, inaugurated the cell, preceded by **Dr Mahendra K V**, Principal, RRIT and **Dr Suresha C N**, RRIT – KSCST IP CELL, Professor, **Mechanical Engineering**.

In the inaugural address **Mr. H. Hemanth Kumar**, stressed the need innovative activities in engineering colleges through by providing the Global status. He emphasised that the innovations should move from **Lab to Lab** concept towards **Lab to Field** concept, so that the innovations that happen in institutions will find usage. He stressed the Faculty involvement in KSCST Faculty Project Program (FPP). He also suggested that institutions should yearly fix target to file patents from institution.



**Dr Mahendra K V**, Principal, RRIT briefed the activities proposed to carryout innovation that will led to patent filing. Also informed the faculty members to take up innovative student projects to Improve the reputation of the Institution as an academic research institution and a member of society by supporting and encouraging novel research activities which lead to provide noble intellectual assets to the Institution.

**Dr Suresha C N**, Coordinator, RRIT – KSCST IP CELL, Professor, **Mechanical Engineering**, welcomed the gathering and briefed the objectives of Cell.

**Dr. Channabasavaraj S**, HOD-ME, extended the vote of thanks. The program was attended HOD' s and all faculty members. The event was compered **Mr. Bharath Kalburgi**, Assistant Professor-ME.

  
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<p>MOU Signing</p>	<p>Inauguration of RRIT-KSCST IPR cell</p>	<p>Dignitaries at RRIT-KSCST IPR cell</p>
		
<p>Welcome Address by Dr Suresha C N</p>	<p>Inaugural Address by Mr. H. Hemanth Kumar, Executive Secretary, KSCST</p>	<p>Precedential address by Dr Mahendra K V, Principal, RRIT</p>
		
<p>Exchange of MOU</p>	<p>Felicitation to Mr. H. Hemanth Kumar,</p>	<p>Vote of Thanks by Dr. Channabasavaraj S , HOD-ME,</p>

  
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Encl:02

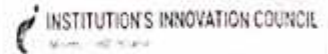


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# R. R. Institute of Technology

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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090



## ORGANIZING COMMITTEE

### Chief Patron

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### Patron

**Sri Kiran H.R.**

Secretary, PKMET, Bengaluru

**Sri Arun H.R.**

Director, PKMET, Bengaluru

### Administrators:

**Prof. Maya Salimath G**

Director QAC - R. R. Institutions

### Chair Person

**Dr. Mahendra K V**, Principal-  
RRIT, Bengaluru

### Convener / Organising Secretary

**Dr Suresha C N**

Professor, Mechanical Engineering

### Organising Committee Members

Dr Channabasavaraj S, - HOD, ME

Mr. Mohan Kumar B N

Mr. Prashanth K K

Mrs. Sunanda

Mrs. Madhavi Dasari

Dr. Sowmya A

Mr. Vishnav B

### Student Members

Mr. Naveen, Year : 4<sup>th</sup> ME

**Cordially invites all staff &  
Students for**

**"Workshop on  
Entrepreneurship and Innovation  
as Career Opportunity & ideation"**

**On: 17th October 2022 (Monday),**

**10.30AM**

**Venue: Mechanical Seminar hall**

## CHIEF GUEST

**Mr. Vivek Anand Sagar B,**

Patent Information Center, KSCST, Bengaluru

**Mr. Nagarjun M G,**

Patent Information Center, KSCST, Bengaluru

## PRESIDED BY

### CHIEF PATRON

**Sri Y. Raja Reddy**

Chairman, PKMET, Bengaluru

### PATRON

**Sri Kiran H.R.**

Director,  
PKMET, Bengaluru

**Sri Arun H.R.**

Secretary,  
PKMET, Bengaluru

Signature

COMMITTEE CO-ORDINATOR

(Dr Suresha C N, Convener -IIC)

Signature

PRINCIPAL

*Principals*  
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**Name of the Event:** “Workshop on “Entrepreneurship & Innovation as Career Opportunity & Ideation”

**Convener :** Dr Suresha C N, Professor -ME

**Date:** 17<sup>th</sup> October 2022

**Venue :**RRIT - Seminar hall (Mechanical Block)

## Report

“Workshop on “Entrepreneurship & Innovation as Career Opportunity & Ideation” was organized by Institutions Innovation Council (IIC) on 17<sup>th</sup> -October 2022 (Monday). On the eve of work shop talk was delivered by **Shri. Mr. Nagarjun M G** , Project Associate, Karnataka State Council for Science and Technology (KSCST).

Expert briefed the about innovation and also entrepreneurship. Spoke on how to approach towards problems around us by innovative way. He discussed the case studies of innovations which have created revolution. He gave tips to take innovative activities and also briefed the process involved in IP related activities. **Dr. Mahendra K V**, Principal Presided over the workshop and informed to develop the ideas that will lead to patent / publications. **Dr.Channabasavaraj S**, - HOD, ME welcomed gathering and spoke on the significance of the workshop. & **Dr Suresha C N** convener- IIC extended vote of thanks. The workshop was attended by Faculty members and 155 students of final year. The event was compeered by **Mr. Ranjan**, student 7<sup>th</sup> semester -ME.

*Mahesh*  
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**Glimpses of “Workshop on “Entrepreneurship & Innovation as Career Opportunity & Ideation”.**

		
<p>Dignitaries of workshop</p>	<p>Expert addressing the participants</p>	<p>Interaction with the participants</p>
		
<p>Participants at workshop</p>	<p>Participants at workshop</p>	<p>Address by Dr Mahendra K V, Principal</p>
		
<p>Welcome by Dr Charubasavaraj S, HOD-ME</p>	<p>Felicitation to Mr. Nagarjun M G</p>	<p>Vote of Thanks by Dr. Suresha C N</p>

  
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## Glimpses of "Workshop on "Entrepreneurship & Innovation as Career Opportunity & Ideation".

Dignitaries of workshop	Expert addressing the participants	Interaction with the participants
Participants at workshop	Participants at workshop	Address by Dr Mahendra K V, Principal
Welcome by Dr.Channabasavaraj.S., HOD-ME	Felicitation to Mr. Nagarjun M G	Vote of Thanks by Dr.Suresha C N

Dr Suresha C N  
 Convener -IIC  
 Professor, Mechanical Engineering

Dr. Mahendra K V  
 Chair Person -IIC  
 Principal

[www.rrit.ac.in](http://www.rrit.ac.in), Address: Raja Reddy Layout, Hesaragatta Road, Chikkabanavara, Bengaluru, Karnataka -560090

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 Chikkabanavara, Bangalore - 560 090.

**MEMORANDUM OF UNDERSTANDING (MOU)**

**BETWEEN**

**R R INSTITUTE OF TECHNOLOGY**

**R R Layout, Chikkabanavara**

**Bangalore - 560090**

**And**

**3N ELECTRONICS**

**#4, PART, KIADB INDUSTRIAL AREA,**

**SATYAMANGALA, TUMAKURU**

**KARNATAKA-572104**

**FOR**

**SKILL DEVELOPMENT, OUTCOME BASED TRAININGS,  
PLACEMENT, R&D SERVICES AND RELATED SERVICES**

**MEMORANDUM OF UNDERSTANDING (MoU)**

*Mahesh*

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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

This memorandum of understanding (hereinafter called as the MOU) is entered into on this 13<sup>th</sup> of November, 2021 by and between

The Department of Electronics and Communication Engineering jointly with the Department of Electrical and Electronics Engineering, R R Institute of Technology, R R Layout, Chikkabanavara, Bangalore -90, The First Party represented here in by its representative (hereinafter referred as First Party the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors-in office administrators and assigns).

AND

3N ELECTRONICS, the Second Party and represented herein by its divisional head Mr. P.F. Naikar, Chief executive officer. (Hereinafter referred as Second Party the company which expression, unless excluded by or repugnant to the subject or context shall include its successors-in office administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as Parties and individually as party) as

**WHEREAS:**

- A) First party is a higher Educational institution named as:  
**R R Institute of Technology, Approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to the VTU, Karnataka**
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The party's intent to co-operate and focus their efforts on co-operations within area of skill based training, education, and research.
- D) 3N electronics, the 2<sup>nd</sup> party is engaged in business, manufacturing, skill development, education and R&D services in the field of Electronics engineering and services under the industry concerned and related fields.
- E) 3N electronics, the second party is promoted by R R I T group
- F) Give related information, its branches and dimensional information about the industry concerned with whom the MOU is sworn.

  
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**NOW THEREFORE, INCONSIDERATION OF THE MUTUAL PROMICES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOW:**

**CLAUSE 1  
CO-OPERATION**

- 1.1. Both parties are united by common interests and objectives and they shall establish channels of communicating and co-operation that will promote and advance their respective operations within the **institution** and its related wings. The parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2. First party and second party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of first party providing significant inputs to them in developing suitable teaching/training system, keeping in mind the needs of the industry, the second party.
- 1.3. The general terms of co-operation shall be governed by this MOU. The parties shall co-operate with each other and promptly as is reasonably practical, enter into all relevant agreement, deeds and documents as may be required to give effect to the actions contemplated in terms of this MOU. The term of definitive documents shall be mutually decided between the parties. Along with the definitive documents, This MOU shall represent entire understanding as per the subject matter here of and shall supersede any prior understanding between the parties and the subject matters hereof.

**CLAUSE 2  
SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in technological up gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between two would be of major benefits to the students, community to enhance their skills and knowledge.
- 2.2 **Curriculum design:** Second party will give valuable inputs to the first party in teaching/training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3. **Industry training and visit:** industry and institution will give an insight into the latest requirement of industry, the second party to admit the faculty and students of the first party to visit its group companies and also involve in industrial training programs for the first party. The industrial and expose provided to students and faculty to this association will build confidence and prepare the students to have a smooth transition from academic to working career. The second party will provide its lab/workshop/industrial sites for the hands on training of the learners enrolled with the first party.

  
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Page 3 of 5



**2.4. Research and Development:** Both parties have agreed to carry out the joint research activities in the fields of name Electrical and electronics activities and services.

**2.5 Skill development program:** Second party to train the student of first party on emerging technologies in order to bridge the skill gap makes them industry ready.

**2.6 Guest lecturers:** Second party to extend the necessary support to deliver guest lecturers to the students of the first party and technology trends and in house requirement.

**2.7. Faculty development program:** second party to train the faculties of first party for importing training as per the industrial requirement considering the national occupational standards in concerned scoters if available.

**2.8 Placement of Trained Students:** second party will actively engage to help the delivery of the training and placement of students of the first party into internship/jobs and will facilitate placements. The second party will itself observe at least few of the trained students.

2.9 Both parties to obtain all internal approvals, consents and permissions whatever nature required for offering the programs and the terms specified here in.

2.10. There is no financial commitment on the part of R R I T, the first party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### **CLAUSE 3 INTELLECTUAL PROPERTY**

3.1. Nothing contained in this MOU shall, by express grant, implication or otherwise create in party any right, title, interest or licensing or to the intellectual property of the other party

### **CLAUSE 4 VALIDITY**

4.1 this agreement will be valid until it is expressly terminated by either party on mutually agreed terms, during which period 3N electronics the 2<sup>nd</sup> party has case may be will take effective step for implementation of this MOU. Any act on the part of training partner or 3N electronics the 2<sup>nd</sup> party after termination of this agreement by way of communication, correspondence etc... shall not be constrained as an extension of this MOU.

  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

**CLAUSE 5**  
**RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that First party and second party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be constructed as a partnership. Neither party is authorized to use the other party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other party, without the prior written consent of the other party. Neither party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding the other party, to pledge other party's credit, or to extend credit on behalf of the other party.

First Party

Second part

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at district Head Quarters of the First party. This undertaking is to be constructed in accordance with Indian Law with exclusive jurisdiction in the Courts of Tumkur.

**AGREED:**

For RRIT, Bangalore

For 3N Electronics

*K. H. D.*  
13/11/2021



Authorized Signatory

Authorized Signatory

Authorized Signatory

<b>HOD, Dept of ECE and EEE</b>	<b>CEO, 3N Electronics</b>
<b>R R Institute of Technology,</b>	<b>#4, KIADB Industrial Area</b>
R R Layout, Bangalore -90	Satyamangala, Tumakuru
Mob:	Mob:
Email:	Email:

Witness 1:

*Ch. Tharajendra D.* ✓

Witness 2:

*M. Lakshmi*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.





PKM Educational Trust &

## R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi.

Recognized by Govt. of Karnataka

Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Department of Electrical & Electronics Engineering**

Date: 30/4/2022

### REPORT ON INDUSTRIAL VISIT

A industrial visit to "3N Electronics" No. 4 Part, KIADB, Industrial Area, Satya Mangala, Tumakuru, Karnataka 572104, was organized by the EEE department for the 6<sup>th</sup> semester students on 27/04/2022.

**Resource Person : Mr. P F Naikar**

CEO, 3N Electronics

KIADB, Industrial Area, Satya Mangala, Tumakuru, Karnataka 572104

#### About the Industry:

M/S 3n Electronics Is Proprietorship Company Situated In One Acre Of KIADB, Industrial Area, Sathya Mangala Tumkur-572104. M/S 3n Electronics Started in the year 2015 as a subsidiary of M/S Southern circuits which was founded in the year 1992 as an ancillary to Tvs electronics Tumkur. Southern circuits is a leading manufacturer of professional grade circuit board supplying to various esteemed customers like Tvs Electronics, Incap, Digital Circuits, M/S Toyama Electric Company.

#### PROMOTERS BACK GROUND & MANAGEMENT TEAM:

The promoter of the company has more than 40 years of rich experience in project, production management of manufacturing electronic goods. The management team is consisting members of highly qualified technical experienced and Post Graduate in Business

This small-scale industry is the manufacturer of customized PCBs for the various companies. They do design and prepare PCB of single side to their customers.

*M. S. H.*  
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STUDENTS WERE INTRODUCED TO THE FOLLOWING PROCESS:

The PCB manufacturing unit has the following processing systems

- Step 1: Designing the PCB
- Step 2: Design Review and Engineering Questions
- Step 3: Printing the PCB Design
- Step 4: Printing the Copper for the Interior Layer
- Step 5: Etch the Inner Layers or Core to Remove Copper
- Step 6: Layer Alignment
- Step 7: Automated Optical Inspection
- Step 8: Laminating the PCB Layers
- Step 9: Drilling
- Step 10: PCB Plating
- Step 11: Outer Layer Imaging
- Step 12: Outer Layer Etching
- Step 13: Outer Layer AOI
- Step 14: Solder Mask Application
- Step 15: Silkscreen Application
- Step 16: Finishing the PCB
- Step 17: Electrical Reliability Test
- Step 18: Profiling and Route Out
- Step 19: Quality Check and Visual Inspection
- Step 20: Packaging and Delivery

3N electronics is also a manufacturer of LED tubes:

They have in-house assembling and testing unit. The 2ft and 4ft LED tubes are the major products with the wattage rating of 10W and 20W. They also prepare 50W and 100W street lights with automatic switching ON and OFF facilities based on the sun rise and sun set. Thus, contributing to the conservation of Electrical Power, the need of the hour.

The industry is recognized as the partner training industry in AICTE web portal and provides internship training for the Diploma, Engineering (UG) and Engineering (PG) students with a systematically designed Modular Training Curriculum. The company, 3N Electronics has signed

  
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an MOU with our college to extend the training and other facilities to the students of EEE department.

All 6<sup>th</sup> Semester students of EEE were benefitted by the industrial visit and had a glimpse of actual manufacturing process of LED tubes, PCB, the materials used, techniques employed. The following faculties had accompanied.

1. Mallesha B Y , Asst. Prof. of EEE
2. **Siranda C. V., Asst. Prof. of EEE**
3. Nirjala , Foreman EEE

**PHOTO GALLERY:**



*Mallesha B Y*  
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Chikkabanavara, Bangalore - 560 090.



*Mahesh*  
PRINCIPAL



Tumakuru, Karnataka, India  
 Plot no. 4 PART KIADB INDUSTRIAL AREA SATHYAMANGALA TUMKUR  
 572104, Satyamangala, Tumakuru, Karnataka 572106, India  
 Lat 13.370623°  
 Long 77.1184°  
 27/04/22 12:29 PM



Tumakuru, Karnataka, India  
 Plot no. 4 PART KIADB INDUSTRIAL AREA SATHYAMANGALA TUMKUR  
 572104, Satyamangala, Tumakuru, Karnataka 572106, India  
 Lat 13.370608°  
 Long 77.118401°  
 27/04/22 12:53 PM

Co-ordinator

- 1) Mallesha B.Y. *[Signature]*
- 2) Sunanda C.V. *[Signature]*

*[Signature]*  
 HOD OF ELECTRICAL & ELECTRONICS ENGINEERING  
 R.R Institute of Technology  
 Hesarghatta Main Road,  
 Chikkabanavara Bengaluru - 560090

*[Signature]*  
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R.R. INSTITUTE OF TECHNOLOGY  
 Chikkabanavara, Bangalore - 560 090.



P K M EDUCATIONAL TRUST®

ACCREDITED BY NAAC

**R.R. INSTITUTE OF TECHNOLOGY**

(AFFILIATED TO VTU, BELAGAVI | APPROVED BY AICTE, NEW DELHI & GOVERNMENT OF KARNATAKA)

Report on Industrial Visit to

*3N Electronics*

Submitted to

Department of Electrical and Electronic Engg.

RR INSTITUTE OF TECHNOLOGY

Chikkabanavara , Bengaluru - 560090

by

DHEERAJ . K

( USN : - 1RI19EE004 )

*M. Lakshmi*

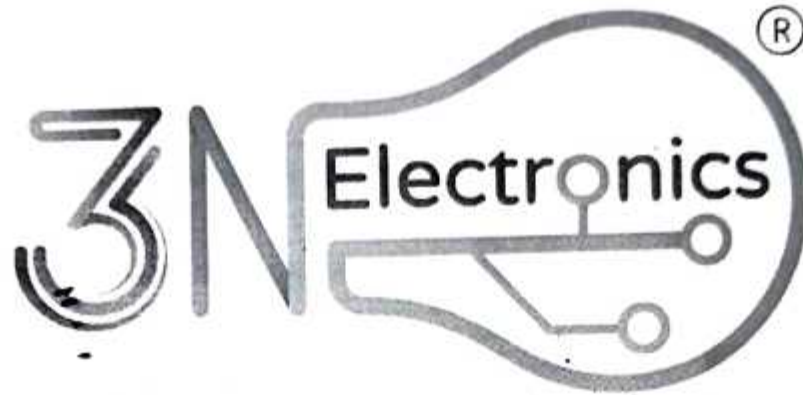
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R.R. INSTITUTE OF TECHNOLOGY

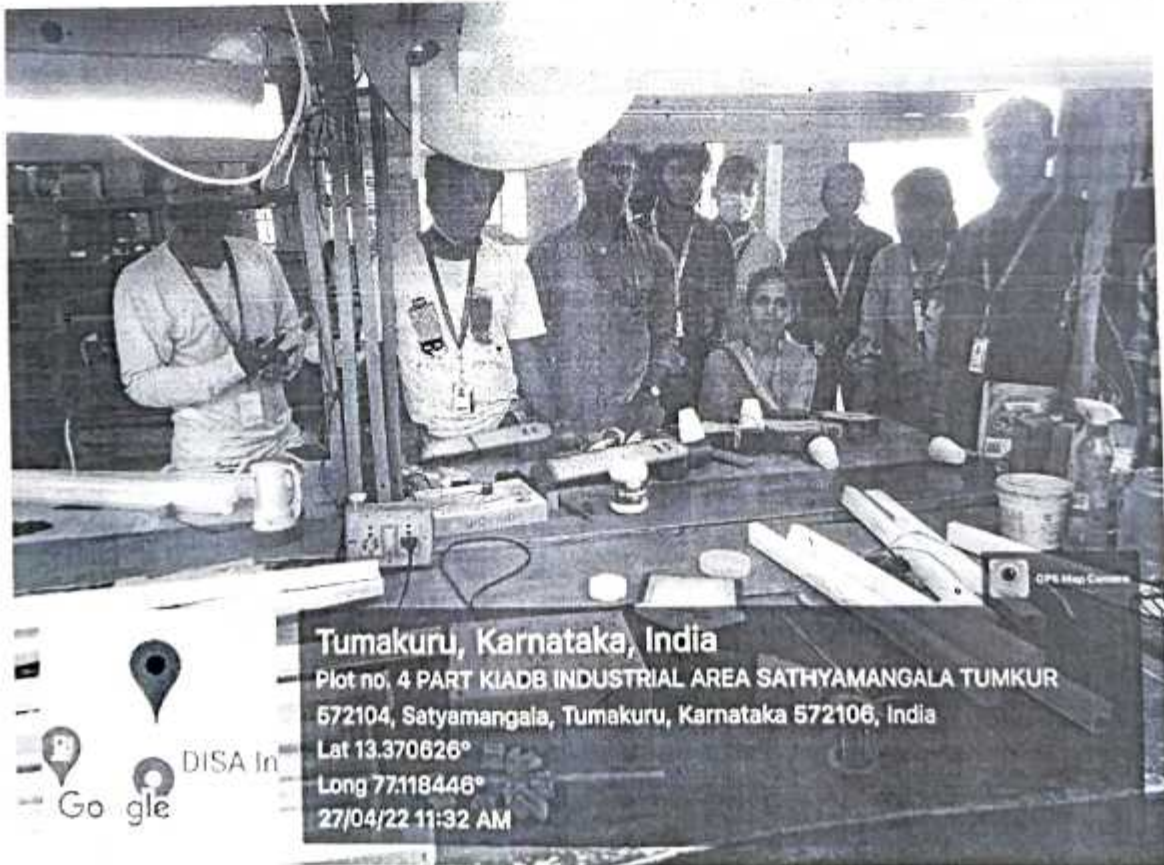
Chikkabanavara, Bangalore - 560 090.



Industry visited : -



Date of visit : - 27/04/2022



Address of the Industry :-

**3N Electronics**  
**No. 4 Part, KIADB Industrial Area**  
**Sathyamangala Tumkur - 572104**  
**Gst - 29ADYPN3980B1ZZ**

Manufacturing Products :-

- Circuit boards
- LED Batten lights
- LED Street lights
- LED Garden lights
- LED Focus lights
- Driver circuits

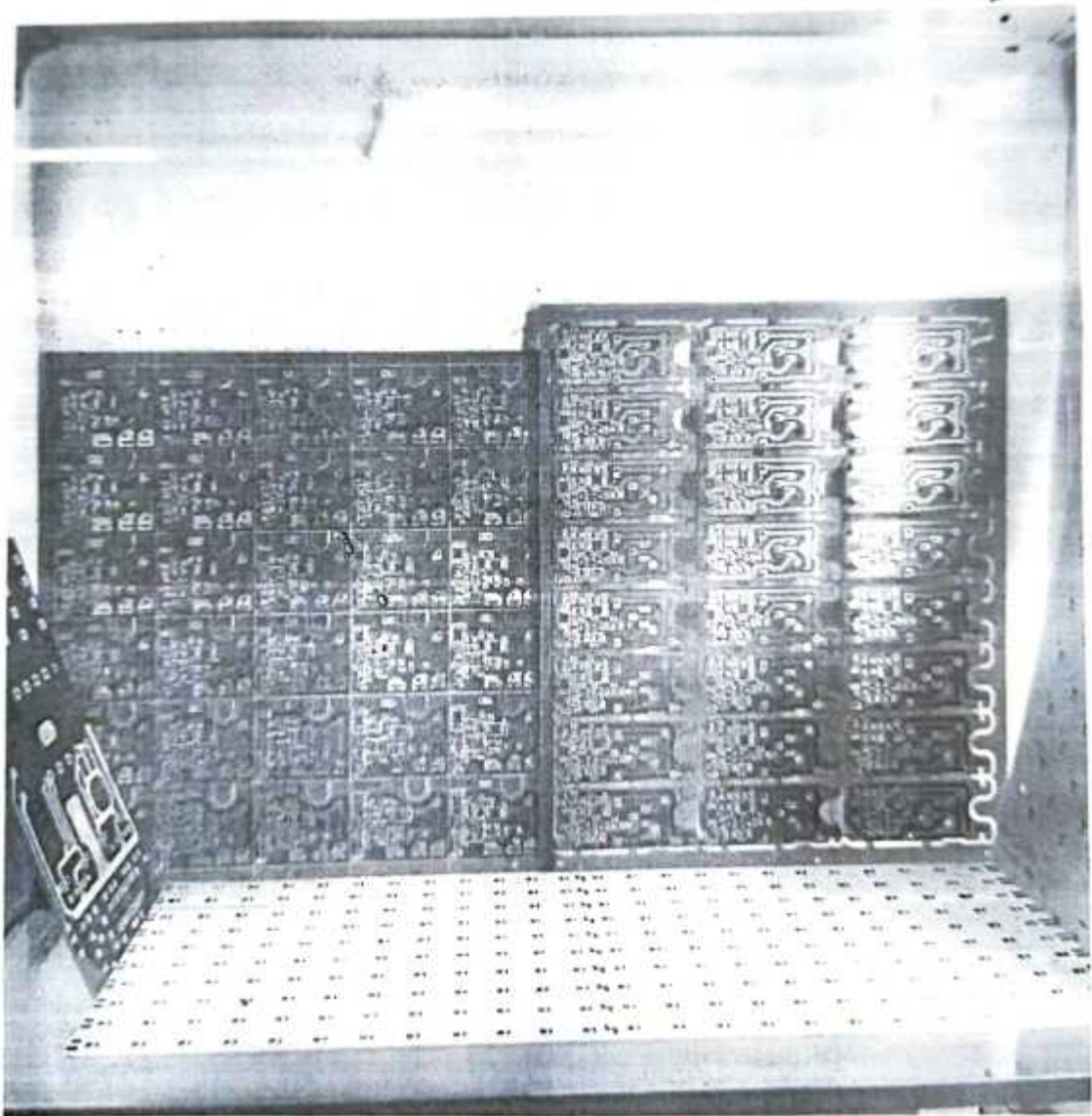
Resource person :- Rajeev P Naikar



## Circuit boards : -

A printed circuit board, or PCB, is used to mechanically support and electrically connect electronic components using conductive pathways, tracks or signal traces etched from copper sheets laminated onto a non-conductive substrate.

When the board has only copper tracks and features, and no circuit elements such as capacitors, resistors or active devices have been manufactured into the actual substrate of the board, it is more correctly referred to as printed wiring board (PWB) or etched wiring board.



# Steps involved in manufacturing PCB

## Step 1 – The Design

Before you begin manufacturing the PCB, you need to have a design of the board. These blueprints will be what you base the process off of. The design process is generally completed through computer software. Using a trace width calculator will help with a majority of the details needed for inner and external layers.

## Step 2 – Printing the Design

A special printer called a plotted printer is used to print the design of the PCB. It produces a film that shows the details and layers of the board. When printed, there will be two ink colors used on the inside layer of the board:

- Clear Ink to show the non-conductive areas; and
- Black Ink to show the conductive copper traces and circuits.

The same colors are used for the outer layers, but the meaning of them is reversed.

## Step 3 – Creating the Substrate

Now is when the PCB will start to form. The substrate, which is the insulating material (epoxy resin and glass fiber) that holds the components on the structure, begins forming by passing the materials through an oven to be semicured. Copper is pre-bonded to both sides of the layer and then etched away to show the design from the printed films.

## Step 4 – Printing the Inner Layers

The design is printed to a laminate, the body of the structure. A photo-sensitive film made from photo-reactive chemicals that will harden when exposed to ultraviolet light (the resist) covers the structure. This will help align the blueprints and the actual print of the board. Holes are drilled into the PCB to help with the alignment process.

## Step 5 – Ultraviolet Light

Once aligned, the resist and laminate go under ultraviolet lights to harden the photoresist. The light reveals the pathways of copper. The black ink from before prevents hardening in areas that will be removed later on. The board is then washed in an alkaline solution to remove the excess photoresist.

### **Step 6 – Removing Unwanted Copper**

Now, it is time to remove any unwanted copper that remained on the board. A chemical solution, similar to the alkaline solution, eats away at the unwanted copper. The hardened photoresist remains intact.

### **Step 7 – Inspection**

The newly-cleaned layers will need to be inspected for alignment. The holes drilled earlier help align the inner and outer layers. An optical punch machine drills a pin through the holes to keep the layers lined up. After the optical punch, another machine will inspect the board to ensure there are no defects. From here on out, you will not be able to correct any missed errors.

### **Step 8 – Laminating the Layers**

Now, you will see the board take shape as the layers are fused together. Metal clamps hold the layers together as the laminating process begins. A prepreg (epoxy resin) layer goes on the alignment basin. Then, a layer of substrate goes over the prepreg followed by a copper foil layer and more prepreg resin. Lastly, there is one more copper layer applied, which is the press plate.

### **Step 9 – Pressing the Layers**

A mechanical press is then used to press the layers together. Pins are punched through the layers to keep them properly aligned and secured, these pins can be removed depending on the technology. If correct, the PCB will go to the laminating press, which applies heat and pressure to the layers. The epoxy melts inside of the prepreg that, along with the pressure, fuses the layers together.

### **Step 10 – Drilling**

Holes are drilled into the layers by a computer-guided drill to expose the substrate and inner panels. Any remaining copper after this step is removed.

### **Step 11 – Plating**

The board is now ready to be plated. A chemical solution fuses all of the layers together. The board is then thoroughly cleaned by another series of chemicals. These chemicals also coat the panel with a thin copper layer, which will seep into the drilled holes.

### **Step 12 – Outer Layer Imaging**

Next, a layer of photoresist, similar to Step 3, is applied to the outside layer before being sent for imaging. Ultraviolet light hardens the photoresist. Any undesired photoresist is removed.

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenavara, Bangalore - 560 090.

### **Step 13 – Plating**

Just like in Step 11, the panel is plated with a thin copper layer. After this, a thin tin guard is layered to the board. The tin is there to protect the copper of the outside layer from being etched off.

### **Step 14 – Etching**

The same chemical solution from before removes any unwanted copper under the resist layer. The tin guard layer protects the needed copper. This step established the PCB's connections.

### **Step 15 – Solder Mask Application**

All of the panels should be cleaned before the solder mask is applied. An epoxy is applied with the solder mask film. The solder mask applies the green color you typically see on a PCB. Any unwanted solder mask is removed with ultraviolet light, while the wanted solder mask is baked on to the board.

### **Step 16 – Silkscreening**

Silkscreening is a vital step since this process is what prints critical information onto the board. Once applied, the PCB passes through one last coating and curing process.

### **Step 17 – Surface Finish**

The PCB is plated with either a solderable finish, depending on the requirements, which will increase the quality/bond of the solder.

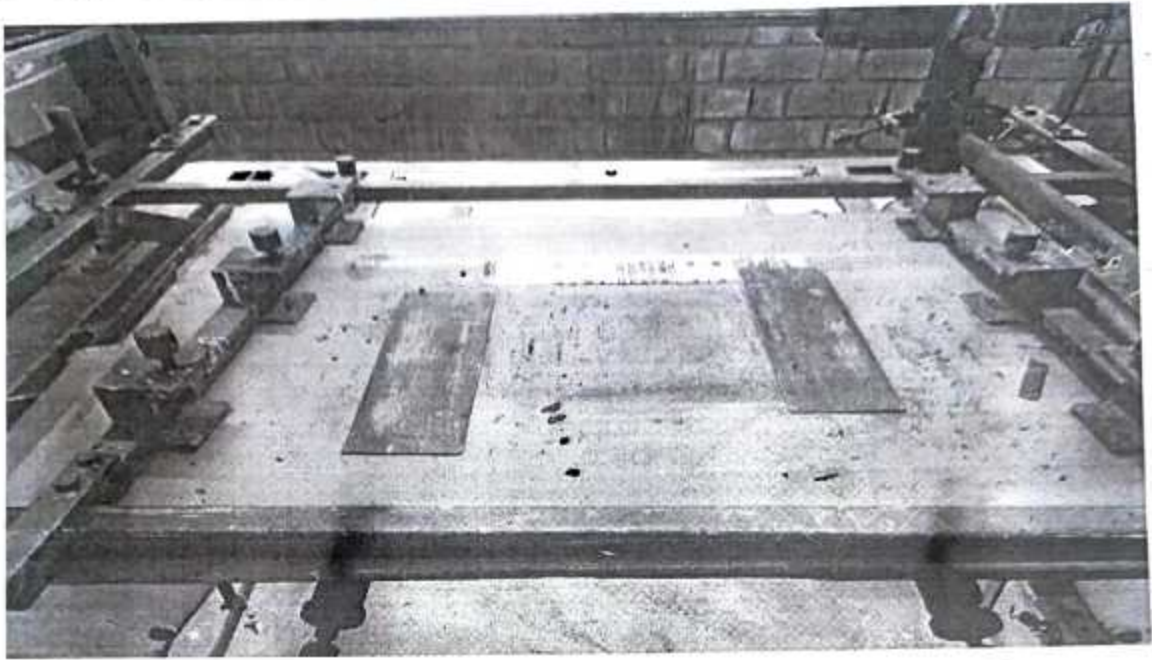
### **Step 18 – Testing**

Before the PCB is considered complete, a technician will perform an electrical test on the board. This will confirm the PCB functions and follows the original blueprint designs.

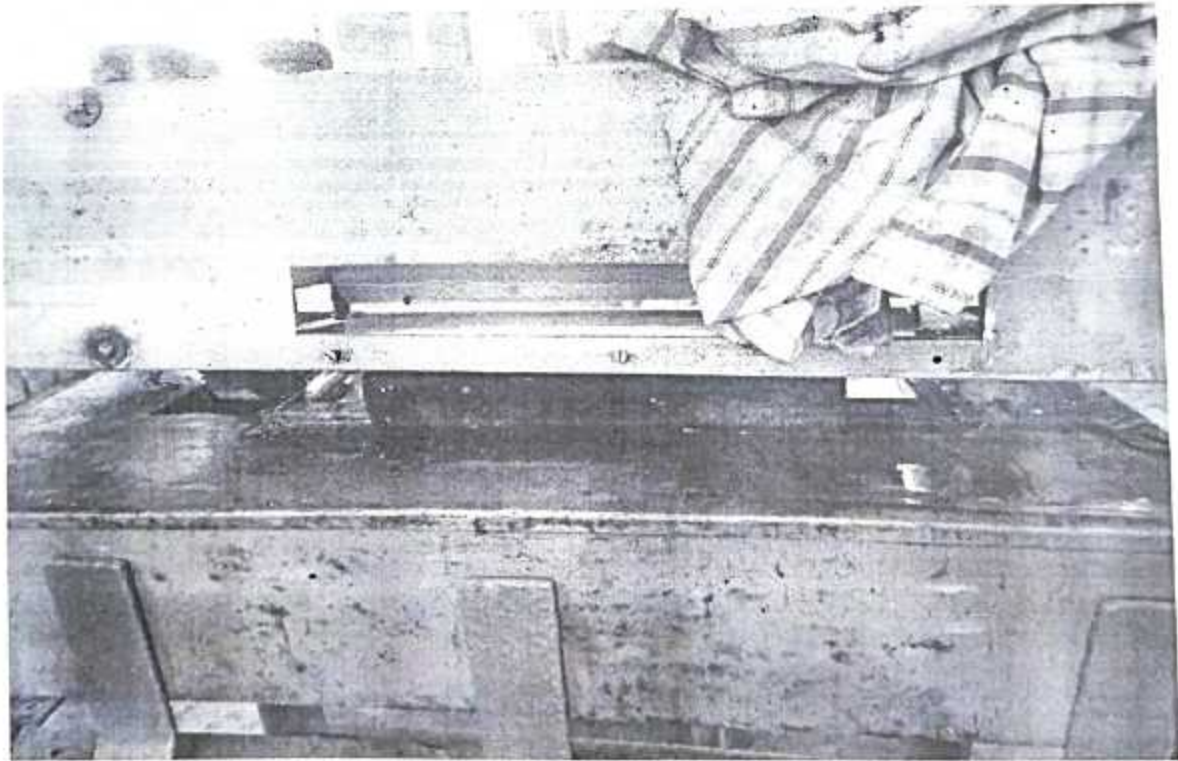
  
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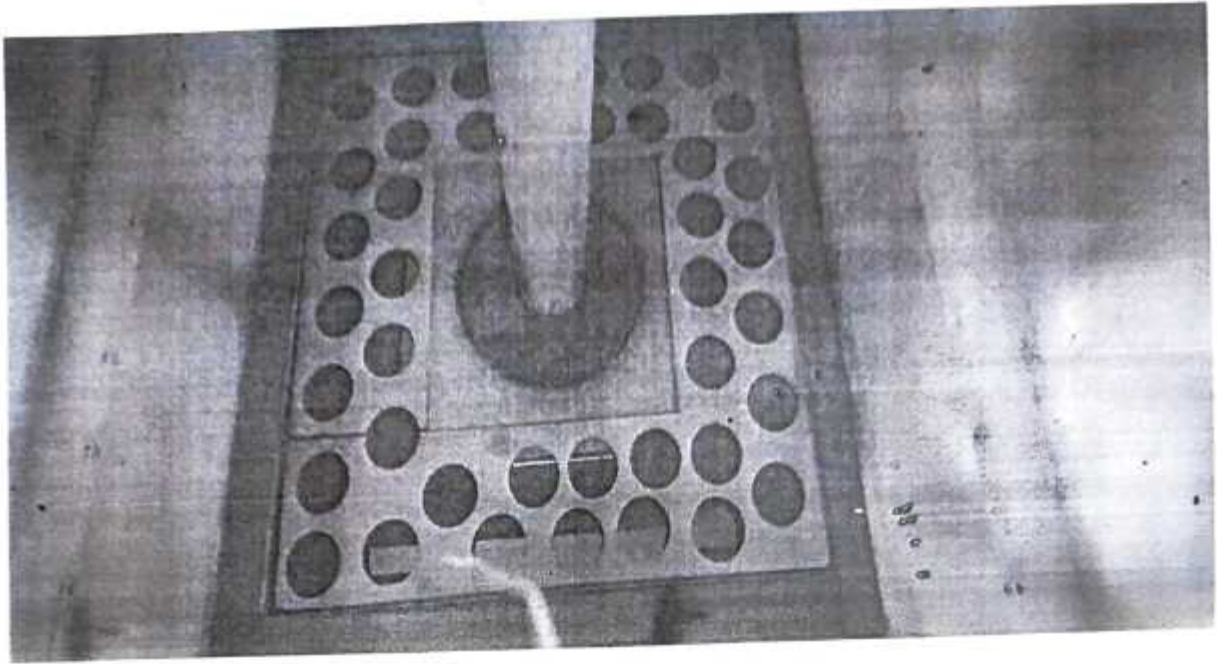
**Images of process involved : -**



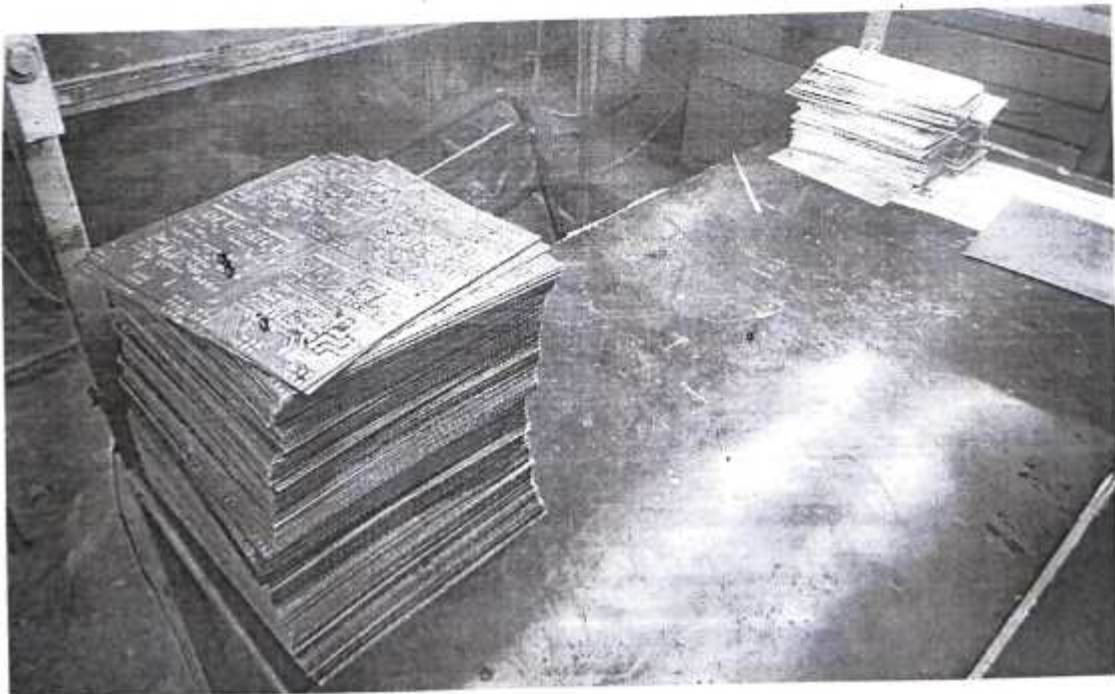
**Laminating the layers**



**Pressing the layers**



**Etching**



**Surface finish and testing**

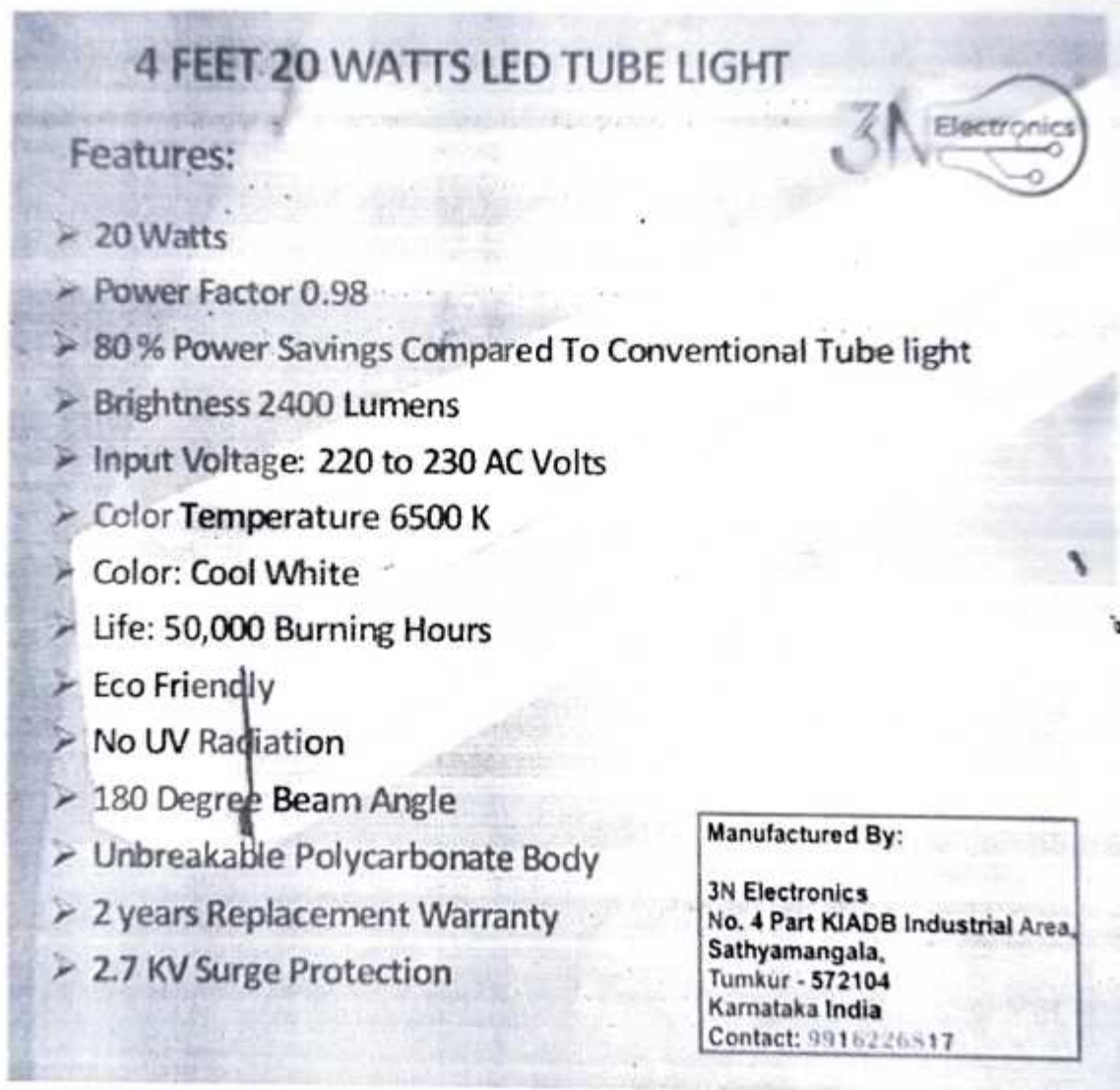


## LED lights : -

A light-emitting diode (led) is a semiconductor light source that emits light when current flows through it. Electrons in the semiconductor recombine with electron holes, releasing energy in the form of photons.

LEDs have many advantages over incandescent light sources, including lower power consumption, longer lifetime, improved physical robustness, smaller size, and faster switching.

## Product Specifications : -



**4 FEET 20 WATTS LED TUBE LIGHT**

**3N Electronics**

**Features:**

- 20 Watts
- Power Factor 0.98
- 80% Power Savings Compared To Conventional Tube light
- Brightness 2400 Lumens
- Input Voltage: 220 to 230 AC Volts
- Color Temperature 6500 K
- Color: Cool White
- Life: 50,000 Burning Hours
- Eco Friendly
- No UV Radiation
- 180 Degree Beam Angle
- Unbreakable Polycarbonate Body
- 2 years Replacement Warranty
- 2.7 KV Surge Protection

**Manufactured By:**

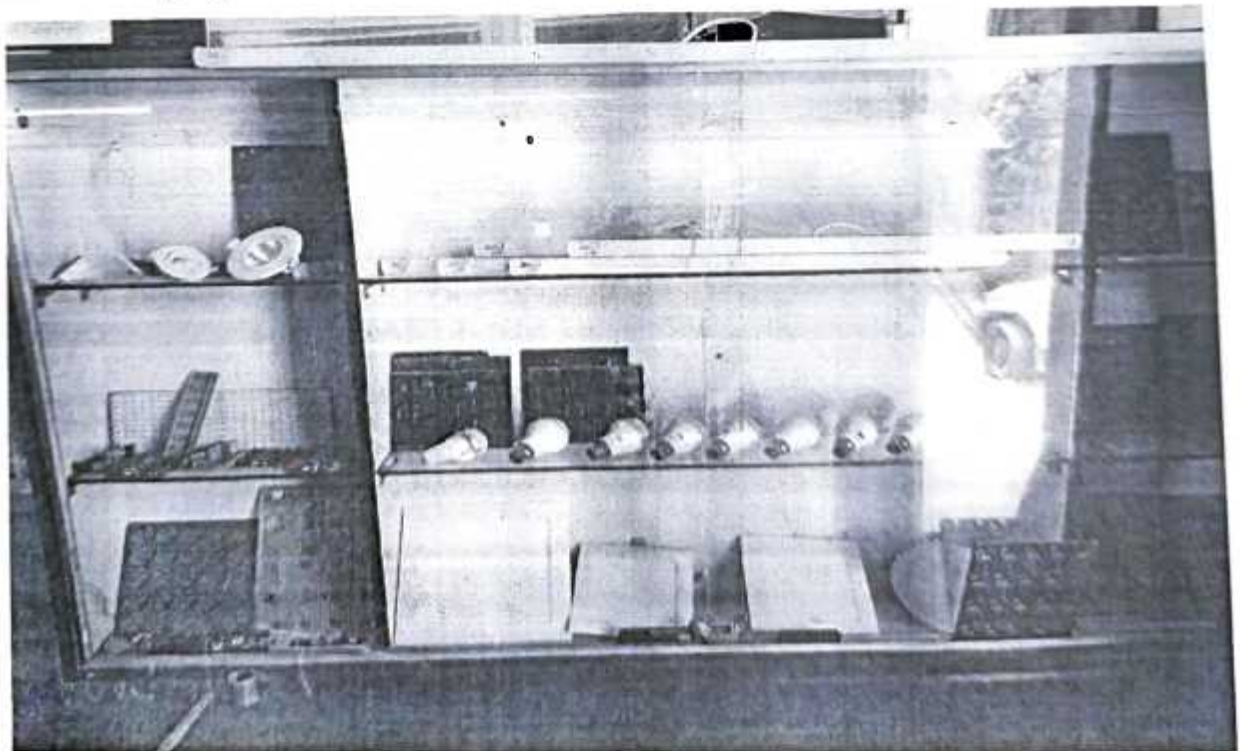
3N Electronics  
No. 4 Part KIADB Industrial Area,  
Sathyamangala,  
Tumkur - 572104  
Karnataka India  
Contact: 9916226517

## Steps involved in manufacturing LED

- Procure/import milliwatt-rated LED chips, circuit and other mounting devices
- Embed milliwatt-rated LED chips on the PCB board with the rectifier circuit, filter circuit, etc
- Fit the PCB board with a holder cap and plastic modules fitted with Smokey reflector to form a compact unit
- Test the assembled LED lighting system and package

## Raw materials

1. LED chips
2. Rectifier circuit with filter
3. Heat-sink devices
4. Metallic cap holder
5. Plastic body
6. Reflector plastic glass
7. Connecting wire
8. Soldering flux
9. Miscellaneous items
10. Packaging material





MOU b/c



**MEMORANDUM OF UNDERSTANDING (MoU)**

**BETWEEN**

**Department of Electrical and Electronics Engineering**

**R.R. Institute of Technology**

Raja Reddy Layout, Hesaraghatta Main Road, Near Chikkabanavara Railway Station,  
Chikkabanavara, Bengaluru-560090

*M. Lalitha*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**AND**

**LGS Trust @**

**No.126, 1<sup>st</sup> Floor, Aadri, 7<sup>th</sup> Cross, 2<sup>nd</sup> Main, Hoysalanagar,  
Sunkadakatte, Bengaluru - 560091**

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the Twenty First day of February Month, 2022 by and between.

**Department of Electrical and Electronics Engineering, R.R. Institute of Technology** the First Party represented herein by its Professor and Head of Department - **Dr. Sunitha H D** and **LGS Trust @** The second party and represented herein by its Secretary, **Mr. Harsha S**

**WHEREAS:**

- A) First Party is a Higher Educational Institution named: **Department of Electrical and Electronics Engineering, R.R. Institute of Technology, Bangalore,**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, AICTE Activity Point Implementation, Technical Internship, Placement, Industrial Visit, Expert Lecture.
- D) **LGS Trust @** - the Second Party is engaged in Social Innovation, Developing Engineering Solution to Community Problems, Education and Health segment along with AICTE Activity Points Implementation

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:**

**CLAUSE 1**

**CO-OPERATION**

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.



- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

## CLAUSE 2

### SCOPE OF THE MoU

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **Department of Electrical and Electronics Engineering, R.R. Institute of Technology, Bangalore**, the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

## CLAUSE 3

### VALIDITY

*Melaha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

3.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period, the Second Part.

## CLAUSE 4

### RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

#### Signature and Seal

**First Party**  
*Dr. Sumitha H D* 21/02/2022  
HOD OF ELECTRICAL & ELECTRONICS ENGINEERING  
R R Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 560090  
**Dr. Sumitha H D**  
**Professor and Head**  
**Dept. of EEE**  
R.R. Institute of Technology

**Second Party**  
**For LGS TRUST (R)**  
*Harsha*  
**Secretary**  
**Mr. Harsha S**  
**Secretary & Chief Instructor**  
LGS Trust



## Appendix - 01

# Agreed Terms of Conditions for the Program "AICTE Activity Points Implementation"

Between

*M. S. S. S.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

**R.R. Institute of Technology**

**(Department of EEE)**

AND

**LGS Trust ®**

**Appended to MoU**

## Program Specific Details in addition to MoU:

<b>Program Name</b>	AICTE Activity Points Implementation
<b>Signed Between</b>	Departments of R.R. Institute of Technology (RRIT) 1. Electrical and Electronics Engineering (EEE) And LGS Trust (R)
<b>Signed on</b>	21 – February - 2022
<b>Validity</b>	1 year - 21/Feb/2022 to 20/Feb/2023
<b>Document Version</b>	1.0
<b>Document Date</b>	18 – February - 2022
<b>The RRIT Roles (Dept of EEE)</b>	Provide Platform to LGS Trust to 1) Share details with the Department Students 2) Conduct Orientation Session to all Students  Allocate a lecturer as "Single Point of Contact" for each department to arrange the information exchange between Students and LGS Trust
<b>The LGS Trust Roles</b>	Provide platform to Dept of EEE Students to 1) Implement AICTE Activity Points as per the VTU and AICTE Rules 2) Provide access of website for the registered students 24/7 3) Provide the theory and practical details on Community Problems, Technology Gap and Engineering Solution for the same 4) Conduct field visit for a day within 50 KMS radius of College (Optional as per College Need)  Issue the report to each student upon completing the course that includes Certificates, Contents, Proof of Activities and Analysis of activity done  Conduct the Program under the law set by VTU and AICTE Activity
<b>Commercials Obligation</b>	<ul style="list-style-type: none"> <li>• No Financial obligation on the Department of EEE</li> <li>• No Obligation on minimum registrations</li> <li>• Interested and Volunteer Students can enrol to the Program at their own cost</li> <li>• Registrations to the Program are done on online portal <a href="http://www.lgstrust.com">www.lgstrust.com</a></li> </ul>
<b>Available Projects</b>	<ol style="list-style-type: none"> <li>1. Agri Job Opportunities in Rural Areas – AJR</li> <li>2. Conducting Census in College – CCC</li> <li>3. A Case Study on UNESCO World Heritage Centre – UWH</li> <li>4. Zero Food Waste – ZFH</li> <li>5. India Constitution Making and its Heroes – ICH</li> <li>6. Indian Cinema and its Mile Stones - ICM</li> <li>7. Film Festivals in College and Charity Fundraising – FFC</li> <li>8. My College – My Farmland – MCF</li> </ol>
<b>Mode of Implementation</b>	Combination of Online and Offline

**Financials**

**Rs. 400/- for 20 AICTE Activity Points**

**Rs. 300/- for 15 AICTE Activity Points**

**Rs. 200/- for 10 AICTE Activity Points**

**Rs. 100/- for 05 AICTE Activity Points**

**Method of Implementation**

Each Project has 2 Phases: Phase 1 (Theory) & Phase 2 (Practicals)

**Phase - 1 (Theory):**

Each student has to perform following tasks

- Listening to the Recorded Classes of 10 Hours
- Answering Case Study questions

**Phase - 2 (Practicals):**

Each student has to perform following tasks

- Conduct Data Survey with Public
- Upload Student Specific Solution to the problem listed in project
- Participate in the field visit (Optional as per College Need)

Each student has to conduct Data Survey. This includes

- Conducting Survey with different adults (20+ years of age)
- Asking survey questions available on Web Portal
- Entering the Survey Result on Web Portal

If done on Offline -

- Students have to visit the different individuals in person within their locations. The location will be tracked by Website
- They will not be taken to any other locations by LGS Trust.
- Taking Photo is mandatory.

If done on Online -

- Students have to conduct survey on Video Call Platform.
- Taking Screenshot of Video Call is mandatory to consider it as a proof

**Field Visit (Optional as per College Need):**

- Related to the project, field visit will be scheduled for a day.
- Location is identified within 50 KMS radius of College
- Travel Expenses to be borne by Student / College can provide Bus Facility
- LGS Trust will provide Snacks to the students

**Note:** LGS Trust cannot afford travel expenses as Rs. 400/- collected has following expenses:

- Rs. 150 for AWS Portal Creation and activity record
- Rs. 100 for Report Generation Tool
- Rs. 100 for Staff Expenses
- Rs. 50 to be saved for Project Implementation

**Report:**

A Report that includes certificates, contents, proof of activities and analysis of survey is provided to each individual by the LGS Trust upon completing both Phase 1 and 2. Also a copy is shared with department.

### Activity Hours needed for Different Activity Points

All 8 Projects	No. of Hours involvement needed	LGS Trust Fee	Phase 1		Phase - 2	Reports (50 to 60 Pages)
			Recorded Video Classes	Case Study Questions	Data Collection	
<b>20 Points</b>	80 Hours	Rs. 400/-	10 Hours	20	20	<b>Issued by LGS Trust to Students</b>
<b>15 Points</b>	60 Hours	Rs. 300/-	10 Hours	15	15	
<b>10 Points</b>	40 Hours	Rs. 200/-	10 Hours	10	10	
<b>05 Points</b>	20 Hours	Rs. 100/-	10 Hours	05	05	

#### Terms and Conditions:

- The above model is developed as per the AICTE and VTU Policy as on 18<sup>th</sup> Feb - 2022.
- The implementation model changes if AICTE and/or VTU bring any amendments to the AICTE Activity Points Program. This brings modification to implementation method and financials as per the modifications brought by AICTE and/or VTU rules.
- The agreed financials is for the mentioned 8 projects and the method of implementation only.
- LGS Trust is bound to keep the same financials for the mentioned 8 Projects and the method of implementation for the duration of 1 year from the date of this document signature.
- If LGS Trust starts AICTE Activity Point Projects other than
  - Mentioned 8 Projects
  - Mentioned Method of Implementation

The financials may/may not vary. Any variation in the financials has to be brought to the notice of Department and amendment has to be done with consent. LGS Trust is not bound to vary the financials without the consent of the Department.

-----Content Continues to Next Page-----

*M. S. S.*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



Signed this Appendix on 21<sup>st</sup> February 2022

For & on behalf of  
**R.R. Institute of Technology**

*Sunitha H.D*  
21/02/2022  
HOD OF ELECTRICAL & ELECTRONICS ENGINEERING,  
R R Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 560090.

Name: **Dr. Sunitha H D**

Designation: **Professor & HoD**

**Dept. of Electrical and Electronics Engg.**

For & on behalf of  
**LGS Trust, Bangalore**

For LGS TRUST (R)  
*Harsha S*  
Secretary

**Signature and Seal**

Name: **Mr. Harsha S**

Designation: **Secretary, Chief Instructor**

**Witness:**

Name: *Sugnyani Puri*

Designation: *Assistant Professor.*

**Witness:**

Name:

Designation:

*Melaha*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**Project  
Completion**

# LGS Social Innovation and Research Centre

*An initiative of LGS TRUST®*

**Ms. Nandini T S**

**College:** RRIT

**Course:** BE

**Branch:** EEE

**USN:**

1RI21EE401

**Certificate ID:**

AJR06C3F75

for participating in a 80 Hours of Theory and Practical on Project "Agri Job Opportunities Platform in Rural Areas" designed to award 20 Activity Points towards the "AICTE Activity Points Program"

*M. R. Institute*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*B. G. Shivanna*

**Mr. B G Shivanna**

**President**

*Harsha S*

**Mr. Harsha S**

**Secretary**

*20. Kowsalya*

**Mrs. B Kowsalya**

**Treasurer**

**Project  
Completion**

# LGS Social Innovation and Research Centre

*An initiative of LGS TRUST®*

**Ms. Gagana S**

**College:** RRIT

**Course:** BE

**Branch:** EEE

**USN:**

1RI21EE400

**Certificate ID:**

AJR02C3F85

*for participating in a 80 Hours of Theory and Practical on Project "Aagri Job Opportunities Platform in Rural Areas" designed to award 20 Activity Points towards the "AICTE Activity Points Program"*

*M. Harsha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*B. G. Shivanna*

**Mr. B G Shivanna**

**President**

*Harsha*

**Mr. Harsha S**

**Secretary**

*29.07.2023*

**Mrs. B Kowsalya**

**Treasurer**

Phase - 2  
Completion

# LGS Social Innovation and Research Centre

*An initiative of LGS TRUST*®

**Mr. Devpukar Chaudhary**

College: RRIT

Course: BE

Branch: EEE

USN:

1RI20EE006

Certificate ID:

AJR01B3F85

for participating in a 50 Hours of Practicals, Field Visit and Activities on Project  
"Aqri Job Opportunities Platform in Rural Areas" designed to award 10 Activity  
Points of the total 20 Activity Points of Project towards the "AICTE Activity  
Points Program"

*Melash.*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenavara, Bangalore - 560 090.

The Student completed all necessary criteria to award Points on 25-Mar-2022

*B.G. Shivanna*

**Mr. B G Shivanna**

President

*Harsha S*

**Mr. Harsha S**

Secretary

*B. Kowsalya*

**Mrs. B Kowsalya**

Treasurer

**Project  
Completion**

NGO Darpan Id - KA/2020/0254433

GSTIN - 29AABTL9441K1Z3

**LGS Social Innovation and Research  
Centre**

*An initiative of LGS TRUST* ®

**College:** RRIT  
**Course:** BE  
**Branch:** EEE

*M. Abinash*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

**Mr. Abinash Kumar**

**USN:**

1RI20EE005

**Certificate ID:**

AJR09C3F81

*for participating in a 80 Hours of Theory and Practical on Project "Agri Job Opportunities Platform in Rural Areas" designed to award 20 Activity Points towards the "AICTE Activity Points Program"*

*B. G. Shivanna*

**Mr. B G Shivanna**

**President**

*Harsha S*

**Mr. Harsha S**

**Secretary**

*B. Kowsalya*

**Mrs. B Kowsalya**

**Treasurer**

Phase - 2  
Completion

# LGS Social Innovation and Research Centre

*An initiative of LGS TRUST* ®

**Ms. Vidya S Prasad**

College: RRIT

Course: BE

Branch: EEE

**USN:**

1RI20EE004

**Certificate ID:**

AJR03B3F84

for participating in a 50 Hours of Practicals, Field Visit and Activities on Project  
"Agri Job Opportunities Platform in Rural Areas" designed to award 10 Activity  
Points of the total 20 Activity Points of Project towards the "AICTE Activity  
Points Program"

*Handwritten signature*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

The Student completed all necessary criteria to award Points on 25-Mar-2022

*Handwritten signature*

**Mr. B G Shivanna**

President

*Handwritten signature*

**Mr. Harsha S**

Secretary

*Handwritten signature*

**Mrs. B Kowsalya**

Treasurer

**Project  
Completion**

**LGS Social Innovation and Research  
Centre**

*An initiative of LGS TRUST®*

**Mr. Naveen G**

**College:** RRIT  
**Course:** BE  
**Branch:** EEE

**USN:**

1R120EE003

**Certificate ID:**

AJR09C3F74

*for participating in a 80 Hours of Theory and Practical on Project "Aqri Job Opportunities Platform in Rural Areas" designed to award 20 Activity Points towards the "AICTE Activity Points Program"*

*M. K. S.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*B. G. Shivanna*

**Mr. B G Shivanna**

**President**

*Harsha S*

**Mr. Harsha S**

**Secretary**

*B. Kowsalya*

**Mrs. B Kowsalya**

**Treasurer**

**Project  
Completion**

**LGS Social Innovation and Research  
Centre**

*An initiative of* LGS TRUST<sup>®</sup>

**Ms. Divya S**

**College:** RRIT

**Course:** BE

**Branch:** EEE

**USN:**

1R120EE001

**Certificate ID:**

AJR09C3F80

*for participating in a 80 Hours of Theory and Practical on Project "Aagri Job Opportunities Platform in Rural Areas" designed to award 20 Activity Points towards the "AICTE Activity Points Program"*

*M. K. K.*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*B. G. Shivanna*

**Mr. B G Shivanna**

**President**

*Harsha S*

**Mr. Harsha S**

**Secretary**

*29.07.2023*

**Mrs. B Kowsalya**

**Treasurer**





PKM Educational Trust ©

# R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)  
Accredited by NAAC

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (herein after referred to as MoU) is entered into on this date: **4<sup>th</sup> January 2021** between the Department of Electrical & Electronics Engineering, R R INSTITUTE OF TECHNOLOGY (RRIT), Bengaluru and **GOVT. TOOL ROOM AND TRAINING CENTRE – Bengaluru**. The scope of the MoU, the roles and responsibilities of the parties.

### **Background**

This MoU is for the benefits of students for IT / Mechanical / Mechatronics / Automobile / Tooling / High Precision Manufacturing / Renewable Energy Industries. This MoU is for the conducting internship Training, Projects, Workshop, Seminar and Faculty Development Programme for the following Branches:

1. Mechanical Engineering
2. Electrical and Electronics Engineering
3. Electronics and Communication Engineering
4. Automobile
5. Mechatronics
6. Electronics Instrumentation
7. Aeronautical & Aero space
8. Industrial production and Industrial Engineering

### **1. BENEFITS TO THE Department of Department of Electrical & Electronics Engineering, RRIT, BENGALURU**

1.1 Opportunity to emerge as one of the competent entities in the academic circles in research and development in the area of Information Technology;

1.2 Opportunity to be recognized by the industry and academic circles as one of the preferred locations for acquiring training and skills development in latest technology and software

1.3 Opportunity to utilize the Program to train students on Latest Technology Software products and technologies.

  
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Chikkabanavara, Bangalore - 560 090.



1 | Page

1.4 Opportunity for the faculty and students of the **Department of Electrical & Electronics Engineering, RRIT, BENGALURU** to design world class curriculum capable of delivering the caliber of IT skills required at present and also for the future

1.5 Students will get 20% discount in course fees, provided with minimum batch quantity of 20 No's. and Fees will be directly deposited to GTTC through institutes. Fees varies every year, for current year fee structure refer Annexure - 1

## **1.2 BENEFITS FROM GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU**

1.2.1. Students and faculty will get the technical support on latest technology along with paper presentations and live projects

1.2.2. Students and faculty will get the coding level workshop program on latest technologies and workshop program will be on hands on work.

1.2.3. **GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU** will support for student final year academic project with training and development on as per student problem statement and also latest technology.

### **MONITORING OF IMPLEMENTATION :**

A Co-ordination Committee consisting of two faculty members of **Department of Electrical & Electronics Engineering, RRIT, BENGALURU** and two officers nominated by **GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU** will do the planning and monitoring of the implementation of the various aspects of this MoU. **There will be an annual review. This review would primarily focus on the curriculum progress, faculty availability and certification.**

### **GENERAL :**

1. This MoU may be terminated by either party through a notice of one month. Either party may terminate this MoU if either of the parties is frustrated by reasons beyond It's control from going ahead with the implementation of the provision of this MoU. The provisions contained in Clauses 5 ("Intellectual Property Rights"), 6 ("Limitation of Liability") and 7 will survive any such termination.

2. Neither parties will make any presentations pertaining to the other or its business or affairs, without the express written consent and approval of other.

  
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Chikkabanavara, Bangalore - 560 090.



3. It is understood that during the course of this MoU it may be necessary for either party to disclose confidential/proprietary information to the other. The disclosure of any such information or data between the parties shall be made pursuant to an executed Confidentiality Agreement.
4. All costs incurred by a party pursuant to this MoU shall be borne by the party who incurred the costs.
5. There shall be no liability on the part of any party to the other arising from the termination of this MoU.
6. This MoU is not binding on either of the parties hereto, except as specifically set out hereto. This MoU is intended to express the broad understanding of the parties and as a broad framework for working together on a specific opportunity as detailed herein.
7. The terms of the applicable software license agreements and terms relating to confidentiality under this MoU shall survive the term of the MoU.
8. Neither party may use the other's corporate name or any trade mark or name or any other items or assets protected by intellectual property rights, including but not restricted to, use in any promotional material, press releases, advertisements, communications, stationery, web sites, or the like.
9. Neither party will disclose the existence, or the terms and conditions, of this MoU or any information connected with it or any information received from the other or otherwise during the implementation of this MoU or its subsequent amendments, if any, except as may be required by law or on a strictly "need-to-know" basis for the purpose of implementing this MoU, or its subsequent amendments, if any, unless express prior written consent of the other party shall have been obtained in advance.
10. Save for their respective rights and obligations relating to Intellectual Property Rights (including the ownership of the Intellectual Property) as mentioned in Clause herein above, neither party is liable to the other for any damages or claims.
11. Unless previously consented to by both parties, there shall be no assignment of any interest under this MoU by any party hereto.

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



**SUMMARY:**

**GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU** recognizes the significance of the The Principal of **RRIT, BENGALURU** initiative to be the leader in the field of Tooling and High Tech Technology related academia in the country. **GOVT. TOOL ROOM AND TRAINING CENTRE – BENGALURU** proposes to make available the appropriate technology and expertise to develop **RRIT, BENGALURU** position as a leading institute providing high quality skilled resources. This Memorandum of Understanding is intended to express the broad understanding of the parties regarding their working with each other to the extent possible for their mutual benefit.

<p>Signature with seal,</p> <p><i>K. S. H. D.</i></p> <p>HOD OF ELECTRICAL &amp; ELECTRONICS ENGINEERING R R Institute of Technology Hesarghatta Main Road, Chikkabanavara, Bengaluru - 560090</p> <p>Date: _____</p> <p>Department of Electrical &amp; Electronics Engineering R R INSTITUTE OF TECHNOLOGY (RRIT), BENGALURU</p>	<p>Signature with seal,</p> <p><i>[Signature]</i></p> <p>Principal Govt. Tool Room &amp; Training Centre Rajajinagar Industrial Estate Bangalore - 560 010</p> <p>Date: _____</p> <p>GOVT. TOOL ROOM AND TRAINING CENTRE, BENGALURU</p>	<p>Signature with seal,</p> <p><i>[Signature]</i></p> <p>PRINCIPAL R R INSTITUTE OF TECHNOLOGY Chikkabanavara, Bengaluru - 560090</p> <p>Date: _____</p> <p>PRINCIPAL R R Institute of Technology BENGALURU</p>
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Witness:

Witness:

*[Signature]*  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

## Annexure – 1

### Present Fee Structure:

Sl.No	Course	Hrs	Fees(Rs.)
1	One day course	8	500
2	Basic course	50	2000
3	Advanced certification courses	300	8000
4	Domain Specialization courses	600	16000
5	Internship	100	4000

Additionally, students have to pay GST apart from fees as applicable.

**50% fee concession for courses:**

**SC, ST, Women, Minority and Physically Challenged Candidates.**

### **Government Schemes:**

1. Chief Minister Kaushalya Karnantaka Yojane(CMKKY)- Course offered are completely free as per government annual quota.

  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



(A Govt. of Karnataka Society)

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

**Govt. Tool Room & Training Centre**

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. BHARATH K L [USN NO. 1R116EE004]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda**. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS, DIECASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : www.karnataka.gov.in/gttc Grams : G.T.T.C

A Scientific & Industrial Research Organisation recognised by Govt. of India.



(A Govt. of Karnataka Society)

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

Govt. Tool Room & Training Centre

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

LETTER OF INTERNSHIP

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Ms. HARSHITHA V S [USN NO. 1RI16EE006], student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and she was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to her based on her regular attendance and performance.

Best Regards,

Authorized Signatory

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOL CASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

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**Govt. Tool Room & Training Centre**

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr.PRATHAN S BANNANGE [USN NO. 1RI16EE012]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda**. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS, CASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : www.karnataka.gov.in/gttc Grams : G.T.T.C

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ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

Govt. Tool Room & Training Centre

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

LETTER OF INTERNSHIP

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Ms. SUSHMA M N [USN NO. 1RI16EE019], student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and she was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to her based on her regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS, ECASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

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**Govt. Tool Room & Training Centre**

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Ms. G BHANUPRIYA [USN NO. 1RI17EE004]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and she was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda**. Internship completion certificate has been issued to her based on her regular attendance and performance.

Best Regards,

Authorized Signatory

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**Govt. Tool Room & Training Centre**

(An Indo - Danish Project )

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,

The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr. SHO VANAND D CHAUDHARY [USN NO. 1RI17EE012]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda.** Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

*M. Lalitha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS, CASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

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ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

Govt. Tool Room & Training Centre

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr.TASHI WANGYAL BHUITA [USN NO. 1RI17EE014]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS, DIECASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : www.karnataka.gov.in/gttc Grams : G.T.T.C

A Scientific & Industrial Research Organisation recognised by Govt. of India.



(A Govt. of Karnataka Society )

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

**Govt. Tool Room & Training Centre**

(An Indo - Danish Project )

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr.AKASH KUMAR SINGH [USN NO. 1RI18EE001]** , student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda**. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory  
Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr.ASHISH YADAV [USN NO. 1R18EE003]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda**. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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Tel 23152118, 23152119, 23157189, 23152340. Fax : 01-080-23301683

Website : [www.karnataka.gov.in/gttr](http://www.karnataka.gov.in/gttr) Grams : G.T.T.C

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Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,

The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr. GAGAN KUMAR [USN NO. 1R118EE007], student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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**Govt. Tool Room & Training Centre**

(An Indo - Danish Project )

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr.MOHAMMAD SAFIULLAH MUSALMAN [USN NO. 1RI18EE010]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda.** Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory  
Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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R.R. INSTITUTE OF TECHNOLOGY  
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Govt. Tool Room & Training Centre  
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Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

LETTER OF INTERNSHIP

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Ms. EMDORKA SYIEM [USN NO. 1RI19EE400], student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and she was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to her based on her regular attendance and performance.

Best Regards,

Authorized Signatory  
Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,

The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr.VARUN K [USN NO. 1RI17EE015], student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore-560 010

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**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,  
The Head of the Department,  
Department of Electrical and Electronics Engineering  
R R Institute of Technology  
Hesaraghatta Main Road  
Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that **Mr.AMIT KUMAR SINGH [USN NO. 1RI18EE002]**, student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from **1<sup>st</sup> September to 30<sup>th</sup> September 2021.**

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of **Mr. Anil Gowda.** Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

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Bangalore-560 010

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Govt. Tool Room & Training Centre

(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

**LETTER OF INTERNSHIP**

Date: 30/09/2021

To,

The Head of the Department,

Department of Electrical and Electronics Engineering

R R Institute of Technology

Hesaraghatta Main Road

Chikkabanavara, Bengaluru.

Respected Sir/Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr.GATH NKULU MATELWA [USN NO. 1RI17EE005], student of Electrical & Electronics Engineering branch of your institution was admitted for internship with us and he was offered internship in the domain of "BASICS OF PLC AND SCADA" and the training program was scheduled from 1<sup>st</sup> September to 30<sup>th</sup> September 2021.

The student was facilitated to work as an Intern Trainee of our company for the duration of 4 weeks under the guidance and supervision of Mr. Anil Gowda. Internship completion certificate has been issued to him based on his regular attendance and performance.

Best Regards,

Authorized Signatory

Govt. Tool Room & Training Centre  
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### **MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (MOU) entered on the 7<sup>th</sup> June 2018

**By and Between**

**LIVEWIRE, Basaveshwaranagar, Bangalore** having its office at #28, HIG, 2<sup>nd</sup> Floor, N. V Arcade, 1<sup>st</sup> Cross, 2<sup>nd</sup> Stage, KHB Colony, Havanur Circle, Basaveshwaranagar, Bangalore – 560 079 (hereinafter referred as “LIVEWIRE” for the sake of brevity) and represented by its **Business Head, Mr Ameet Gogi** (which expression shall mean and include its successors in office and assigns)

and

**R R Institute of Technology** (hereinafter referred as “College” for the sake of brevity), is approved by All India Council for Technical Education (AICTE) Govt. of India and an affiliated to Visvesvaraya Technological University having its campus at Raja Reddy Layout, Heseraghatta Main Road, Chikkabanavara, Bengaluru, Karnataka 560090 and represented by its **Principal** (which expression shall mean and include its successors in office and assigns)

#### **Objectives of the Collaboration:**

1. To provide employable skills to the student during their course at the college.
2. Make the student aware of the latest tools and techniques at an affordable fee in order to keep them industry ready at the end of their course.
3. Maximize placement opportunities for students from all the courses.
4. To build the confidence level of the student to face the challenges of the real time.

This Memorandum of Understanding is to conduct a **Unique, Systematic and Employable Skills Development Program and Internship** for the students of the college towards achieving the objective of maximizing the employable opportunities for students of the College.

This Memorandum of Understanding states the terms and conditions under which the **Trainings** shall be conducted by LIVEWIRE at the College premises and lists herein the respective responsibilities of both parties.

**PREAMBLE:**

For a student to be recruited by a good company, over and above the subject knowledge, he/she is expected to have the following:

1. Strong Fundamental Engineering Knowledge
2. Engineering related Multiple Technical Skills - Develop skills that add value.
3. Communication & other Soft Skills

While Subject Knowledge would be provided by the college, LIVEWIRE will equip the students with required industry specific technical, project management and people skills.

On one hand, thousands of unemployed Engineering graduates are not finding suitable jobs, while on the other hand, Industry requires millions of young minds at all levels but are unable to find the right candidates. This is because of the skill gap that exists between academic institutions and industry requirements. This skill gap is sought to be minimized for the students of the "College" by facilitating them to acquire the appropriate and relevant skills at the college itself.

Through this collaboration, LIVEWIRE will prepare the students of the "College" to be ready for industry by the time they enter the final semester and for this the students have to be nurtured and trained in different areas from the very beginning. Keeping in mind the academic program and the progressive skill development cycle in mind, the programs are spread across their semesters.

**LIVEWIRE Shall Provide**

- The required trainers for the course and the training program would be Instructor led.
- Comprehensive LIVEWIRE reference books to all students for each course as part of the course.
- Periodical assessment on the progress of students for their further improvements.
- The 'Certificate of Completion' to every student who successfully completes the training program every semester.



- “Certificate of Association” from LIVEWIRE to the college
- Provide Permission to use LIVEWIRE logo as the Skill Development Partner
- Organize Campus and Off-Campus interviews for the final year students based on the requirements for LIVEWIRE and its clients
- Welcome College to use LIVEWIRE, strategically based on the need

**The College Shall Provide**

- The required number of computer systems in the lab and other required infrastructure for the practice and its maintenance.
- The Class rooms with LCD projector for the theory classes.
- The Schedule with the classes for this training during normal hours of the college.
- The supports to ensure, all students in a class, attend the training programs scheduled for them.
- Disciplinary support for the smooth conduct and timely completion of the entire course.

**PARTICIPANTS:**

The participants would be of B.E Electronics and Communication branch students.

**COURSE CONTENTS**

LIVEWIRE in consultation with the College shall finalize the course contents for the skills development program.

**TIME SCHEDULE**

The program(s) will be conducted during the college working hours. The students will be divided into batches, depending on the total strength based on requirements.



**LINK OFFICER**

The Principal of the College shall appoint a Link Officer from each department for the duration of the program, who shall liaise with LIVEWIRE and make the training process learner-friendly and effective. LIVEWIRE shall work in close relationship with the Link Officer, who in-turn shall keep a close touch with the students. In the event of any difference of opinion between LIVEWIRE and the Link Officer, the matter should be referred to the **Principal of the College**, whose decision thereon shall be final and binding on both the parties.

**COURSE FEES & PAYMENT PATTERN**

The course fee per student for each course offered is decided and mutually agreed upon by both the parties. The College shall collect the course fee from the students and pay to LIVEWIRE.

**VALIDITY**

This Memorandum of Understanding shall come into effect from 7<sup>th</sup> June 2018 to 6<sup>th</sup> June 2021


**Forwarded from department of Electronics and Communication to Principal**

For: R R Institute of Technology

For: R R Institute of Technology

For: LIVEWIRE

  
Name: Dr. M. B. Marjunde

  
Name: Dr. M. B. Marjunde



Name: Ameet Gogi

Designation: Principal

Designation: HOD

Designation: Business Head

Date: 7/6/18

Date:

Date: 07/06/2018.







PKM Educational Trust  
PKM Educational Trust

# R. R. Institute of Technology

Affiliated to VTU, Belgaum and Approved by AICTE, New Delhi,  
Recognized by Govt. of Karnataka  
Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

## CHIEF PATRON

Sri V. Raja Reddy  
Chairman, PKMET, Bengaluru

## PATRON

Sri Kiran H.R.  
Secretary, PKMET, Bengaluru

Sri Arun H.R.  
Director, PKMET, Bengaluru

Sri Ramakrishna Reddy  
CEO, RRIT, Bengaluru

## RECTOR

Dr. M B Manjunath  
Principal- RRIT, Bengaluru

## CONVENER

Prof. K J Somashekara  
HOD, EEE

## COORDINATORS

Renukamba J N  
Asst. Professor, EEE  
Chandrakumar H S  
Asst. Professor, ECE

Department of Electronics and Communication Engineering  
&  
Department of Electrical and Electronics Engineering

## INVITATION

We cordially invite The Principal, HOD's, staff and Students for the  
inauguration of SDP

on

### "Skill Development Program"

In Association with LIVE WIRE, Bangalore

Date: 12<sup>th</sup> July 2018

Timings: 10 AM to 1 PM

### *Chief Guest*

**Dr. M B Manjunath**

Principal, RRIT, Bengaluru

### *Presided By*

**Prof. K J Somashekara**

HOD, EEE

### *Resource person*

**Mr. Vinay Sathyanarayana**

**Venue:**Seminar Hall, Main Block

*M. B. Manjunath*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



Date: 07/8/2018

## Report of Student Development Program on "Skill Development Program" on 12<sup>th</sup> July 2018

The Department of ECE and EEE, organized a SDP on "Skill Development Program" on 12<sup>th</sup> July 2018. To enhance the strong effective communication and Presentation skills, Internal Personality Development and Leadership Quality of the students. The main objective of this programme is making a Self-confident individuals by mastering inter-personal skills, Soft Skills team management skills and Time management skills. Develop all-round personalities with a mature outlook to function effectively in different circumstances.

By Classifying into i. Effective communication skills, ii. Attitude, iii. Adaptability, iv. Team work, v. Conflict management, vi. Problem solving, vii. Leadership, viii. Time and space management ix. Mannerism, x. Culture and communication. Strategies of Report writing, Part 1- Preparatory steps, identify your Purpose, determine your audience, Understand the attitude of the readers. Sources of data collection. Data Collection Method. Strategies of Report writing, Part 2- Organizing the data. Sample Outline. Indenting. Coordination. The Essence of Leadership. Importance of Leadership. Qualities of a Leader, Leadership Styles, Theories of Leadership.

### Outcome of the event

The SDP enabled participants to understand and practice the Soft Skills in effective Communication, presentation, Drafting Reports, Advance Speaking Skills, Human Resource management and Entrepreneurship Development, which will help in future endeavors. This program also helps individuals in mastering inter-personal, Time Management, leadership skills for the all-round development to function effectively in different Circumstances. All the Participants expressed that the sessions were more helpful in learning the Soft Skills and expects More Such events in future.

*Melank.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*K. H. H.*  
HOD (for)

HOD OF ELECTRICAL & ELECTRONICS ENGINEERING  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 560090.

## SDP on "Skill Development" by LIVEWIRE

## Attendance

Sl. No.	USN No	Name	
1	1RI14EC022	Keerthana H	✓
2	1RI14EC025	Lavanya F	✓
3	1RI14EC037	Nayana K	✓
4	1RI14EC040	Pavithra G N	✓
5	1RI14EC051	Saranya S	✓
6	1RI15EC004	Aishwarya K	✓
7	1RI15EC006	Ashwani L	✓
8	1RI15EC007	Aishwarya B	✓
9	1RI15EC008	B R Pallavi	✓
10	1RI15EC009	Bhavana S	✓
11	1RI15EC010	Brunda N	✓
12	1RI15EC011	Chaitra B	✓
13	1RI15EC012	D Pramod Punithan	✓
14	1RI15EC013	D Sruthi Reddy	✓
15	1RI15EC014	Harshitha M R	✓
16	1RI15EC019	Lakshmi M S	✓
17	1RI15EC022	Likhitha A	✓
18	1RI15EC023	Madhu J	✓
19	1RI15EC024	Manu M	✓
20	1RI15EC025	Meghana R	✓
21	1RI15EC028	Nikhil Kumar Singh	Absent
22	1RI15EC031	Priya B C	✓
23	1RI15EC037	Rashmi K G	✓
24	1RI15EC039	S Shwetha Bai	✓
25	1RI15EC040	Sandhya B M	✓
26	1RI15EC042	Shilpa Mandal S	✓
27	1RI15EC046	Surendra S P	✓
28	1RI15EC047	Sushma M S	✓
29	1RI15EC049	Yatish S	✓
30	1RI16EC400	Lakshmi Mache	✓
31	1RI16EC401	Pallavi R	✓
32	1RI15EE001	Arpitha S	✓
33	1RI15EE002	Babugouda R J	✓
34	1RI15EE006	Rakshitha G N	✓
35	1RI15EE007	B M Vannesh	✓
36	1RI16EE402	Kartik Krishanand Shetty	✓
37	1RI16EE403	Manoj Kamalakar Moodangi	✓
38	1RI16EE407	MD Shamim Khan	✓

*R. Th. Hg*  
Co-ordinator/HOD (for)

*M. S. S.*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



Since 1993

PKM Educational Trust®

R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)

## Memorandum of Understanding (MoU)

Between

**R R INSTITUTE OF TECHNOLOGY (RRIT )**

and

**MCore Tech Academy Pvt. Ltd. (MCoreta)**

*M. Lakshmi*

PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**

Chikkabanavara, Bangalore - 560 090.

Page: 1 of 5

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.  
Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11  
E-mail : rrit@rrinstitutions.com, www.rrit.ac.in, www.rrinstitutions.com

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This Memorandum of Understanding (Hereinafter referred as MOU) is made on this date: 21/07/2022 by and between:

**1. R R INSTITUTE OF TECHNOLOGY (RRIT )**

Raja Reddy Layout, Hesarghatta Rd,

Chikkabanavara, Bengaluru, Karnataka 560090

And

- 2. MCore Tech Academy Pvt. Ltd. (MCoreta)**, having registered office at R.No-3, #10/107, Chenna Nayakana Palya, Near Subramanya Temple, Nagasandra Post, Bangalore - 560073, GST number: 29AAOCM8663J1ZK And it's Works.Office is located at No.63, R.No#2, 2nd Floor, Byraveshwara Industrial Estate, Hegganahalli, Near Andrahalli Main Road, Peenya II Stage, Bangalore – 560091. (MCoreta is a sister concern firm of it's parent company **M/s MCore Technologies Pvt. Ltd.** which works in Power & Automation sector engineering, consulting and manufacturing projects of Industries and Utilities customers.)

**R R INSTITUTE OF TECHNOLOGY and MCoreta** are hereinafter together referred as "Parties" and individually as "Party".

**Background and Purpose**

**R R INSTITUTE OF TECHNOLOGY and MCoreta** have agreed to enter into this MoU, which is intended to be the guiding document for defining the relationship between the two parties and the agreement to promote collaboration, engagement and interaction between **R R INSTITUTE OF TECHNOLOGY and MCoreta** in mutually beneficial areas.

**A) Understanding between the two parties**

1. Both parties acknowledge the need to collaborate and consult on Technologies and innovation such as:-

a) Tech Talk on Industrial Technologies

b) Workshops

Page: 2 of 5

c) Student Projects (Mini / Main)

d) Student internships

e) Industrial Visits

f) Consultancy

2. The collaboration will include Consulting, Research & Development, Technology Sharing, Project Implementations, Innovative Project/Internship Initiatives but will not be limited to, co-hosting innovation events, technology and innovation evaluations, end user feedback and knowledge sharing.
3. **R R INSTITUTE OF TECHNOLOGY** will find their teams for project development and innovations from student pool and faculty and will support them through their Lab infrastructure.
4. As part of programs, **MCoretawill** provide necessary support & Consulting, related services as and when required to the team members.
5. **MCoretawill** and **R R INSTITUTE OF TECHNOLOGY** shall develop mechanism to make available each other's resources & facilities to each other.
6. **MCoretawill** make accessible its resources and its network to **R R INSTITUTE OF TECHNOLOGY**'s project/consulting/internship teams, on a need basis.
7. **R R INSTITUTE OF TECHNOLOGY** and **MCoretawill** processes and guidelines remain paramount and nothing under this MOU shall supersede those provisions.
8. Both parties are free to acknowledge the "partnership" status and mention the same in their communications subject to mutual agreement on branding and communication protocols.

## B) Non Exclusivity

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

## C) Validity and Termination

This MOU is for an **initial period of 3-years** and may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 30 days prior written notice to the other party.

Page: 3 of 5

#### **D) Assignment**

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

#### **E) Financial Arrangement**

This Memorandum of Understanding will not give rise to any financial obligation by one party to other. Each Party will bear its own cost and expenses in relation to this Memorandum of Understanding. If any costs are involved, same will be mutually agreed to proceed further.

#### **F) Amendment**

Amendments to this MOU may be made at any time through the mutual written consent by the parties concerned.

#### **G) Governing Law**

This MOU and the relationship between the Parties hereto shall be governed by and interpreted in accordance with Indian Laws. Subject to the provisions of Clause below (Dispute Resolution), the courts at Bangalore, India shall have exclusive jurisdiction in relation to all matters arising out of this MOU.

#### **H) Dispute Resolution**

This MOU is an understanding amongst the Parties hereto and shall bind the Parties to the fulfilment of the terms and conditions contained herein. In the event of any differences or disputes arising out of the interpretation or application of the provisions of this MOU, the Parties shall immediately consult each other with a view to expeditiously resolve such differences or disputes in a spirit of mutual understanding and cooperation.

  
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Chikkabanavara, Bangalore - 560 090.

Such amicable settlement shall be done within (15) days of the first written communication of the dispute between the Parties.

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

Signed for and on behalf of

**MCore Tech Academy Pvt. Ltd. (MCoreta)**



**Prasada Rao P**

**Managing Director**

**MCore Tech Academy Pvt. Ltd.(MCoreta)  
Bangalore.**

Signed for and on behalf of


**R R INSTITUTE OF TECHNOLOGY**



**PRINCIPAL  
Dr. Mahendra K.V  
R.R. INSTITUTE OF TECHNOLOGY  
Principal**

**Chikkaballavara, Bangalore - 560 090.**

**R R Institute of Technology  
Bangalore**

Witness : 

Name : **G. Gowtham**

Witness : 

Name : **Dr. Sunitha H D**





## Internship Certificate

**Congratulations!**

**THEJASWINI B**

for successful completion of Internship on  
*"Electrical C&R Panel Manufacturing Plant &  
Industrial feeder protection using  
Siemens IED-7SJ80"*

Start date: 22/08/2022

End date: 19/09/2022

*S. Anil Kumar*

Anil kumar S  
Head-Trainings(EPS)  
MCoreta



*M. Lalitha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenavara, Bangalore - 560 090.



## Internship Certificate

**Congratulations!**

**SHANKAR KUMAR YADAV**

for successful completion of Internship on  
*"Electrical C&R Panel Manufacturing Plant &  
Industrial feeder protection using  
Siemens IED-7SJ80"*

Start date:22/08/2022

End date: 19/09/2022

\_\_\_\_\_  
Anil kumar S  
Head-Trainings(EPS),  
MCoreta



*M. R. R.*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



## Internship Certificate

**Congratulations!**

**RUPESH KUMAR SAH**

for successful completion of Internship on

*"Electrical C&R Panel Manufacturing Plant &*

*Industrial feeder protection using*

*Siemens IED-7SJ80"*

Start date:22/08/2022

End date: 19/09/2022

*Anil Kumar S*

Anil kumar S  
Head-Trainings(EPS),  
MCoreta



*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenavara, Bangalore - 560 090.



## Internship Certificate

Congratulations!

**RAUSHAN KUMAR SHRIVASTAVA**

for successful completion of Internship on

*"Electrical C&R Panel Manufacturing Plant &  
Industrial feeder protection using  
Siemens IED-7SJ80"*

Start date: 22/06/2022

End date: 19/09/2022

*Anil Kumar S*

**Anil kumar S**  
Head-Trainings(EPS),  
MCoreta

*Melash*

PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.





## Internship Certificate

**Congratulations!**

**BHOOMIKA R**

for successful completion of Internship on  
*"Electrical C&R Panel Manufacturing Plant &  
Industrial feeder protection using  
Siemens IED-7SJ80"*

Start date 22/08/2022

End date: 19/09/2022

*S. G. S. S. S.*

**Anil kumar S**  
**Head-Trainings(EPS),**  
**MCoreta**



*M. Lakshmi*

PRINCIPAL

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Chikkabavara, Bangalore - 560 090.





## Internship Certificate

**Congratulations!**


**BHOLA CHAUDHARY**

for successful completion of Internship on  
*Electrical C&R Panel Manufacturing Plant &  
Industrial feeder protection using  
Siemens IED-7SJ80"*

Start date:22/08/2022

End date: 19/09/2022

  
Anil kumar S  
Head-Trainings(EPS),  
MCoreta

  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.





**MCoreta**

## Internship Certificate

**Congratulations!**

**SNEHA JOSPHIN**

for successful completion of Internship on  
*Electrical C&R Panel Manufacturing Plant &  
Industrial feeder protection using  
Siemens IED-7SJ80"*

Start date: 22/08/2022

End date: 19/09/2022

*Anil Kumar S*

Anil kumar S  
Head Trainings(EPS),  
MCoreta

*Melaha*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.





## Internship Certificate

**Congratulations!**

**AFSAL A**

for successful completion of Internship on  
*"Electrical C&R Panel Manufacturing Plant &  
Industrial feeder protection using  
Siemens IED-7SJ80"*

Start date:22/08/2022

End date: 19/09/2022

*Anil Kumar S*

**Anil kumar S**  
**Head-Trainings(EPS),**  
**MCoreta**



*Melash*

**PRINCIPAL**  
**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.





**MEMORANDUM OF UNDERSTANDING (MOU)**

**BETWEEN**

**R R INSTITUTE OF TECHNOLOGY**

**R R Layout, Chikkabanavara**

**Bangalore - 560090**

**And**

**3N ELECTRONICS**

**#4, PART, KIADB INDUSTRIAL AREA,**

**SATYAMANGALA, TUMAKURU**

**KARNATAKA-572104**

**FOR**

**SKILL DEVELOPMENT, OUTCOME BASED TRAININGS,  
PLACEMENT, R&D SERVICES AND RELATED SERVICES**

**MEMORANDUM OF UNDERSTANDING (MoU)**

  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

Page 1 of 5

This memorandum of understanding (hereinafter called as the MOU) is entered into on this 13<sup>th</sup> of November, 2021 by and between

The Department of Electronics and Communication Engineering jointly with the Department of Electrical and Electronics Engineering, R R Institute of Technology, R R Layout, Chikkabanavara, Bangalore -90, The First Party represented here in by its representative (hereinafter referred as **First Party** the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors-in office administrators and assigns).

AND

3N ELECTRONICS, the **Second Party** and represented herein by its divisional head **Mr. P.F. Naikar, Chief executive officer.** (Hereinafter referred as **Second Party** the company which expression, unless excluded by or repugnant to the subject or context shall include its successors-in office administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as Parties and individually as party) as

**WHEREAS:**

- A) First party is a higher Educational institution named as:  
**R R Institute of Technology, Approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to the VTU, Karnataka**
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The party's intent to co-operate and focus their efforts on co-operations within area of skill based training, education, and research.
- D) 3N electronics, the 2<sup>nd</sup> party is engaged in business, manufacturing, skill development, education and R&D services in the field of Electronics engineering and services under the industry concerned and related fields.
- E) 3N electronics, the second party is promoted by R R I T group
- F) Give related information, its branches and dimensional information about the industry concerned with whom the MOU is sworn.

  
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Page 2 of 5

NOW THEREFORE, INCONSIDERATION OF THE MUTUAL PROMICES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOW:

**CLAUSE 1  
CO-OPERATION**

- 1.1. Both parties are united by common interests and objectives and they shall establish channels of communicating and co-operation that will promote and advance their respective operations within the **institution** and its related wings. The parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2. First party and second party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of first party providing significant inputs to them in developing suitable teaching/training system, keeping in mind the needs of the industry, the second party.
- 1.3. The general terms of co-operation shall be governed by this MOU. The parties shall co-operate with each other and promptly as is reasonably practical, enter into all relevant agreement, deeds and documents as may be required to give effect to the actions contemplated in terms of this MOU. The term of definitive documents shall be mutually decided between the parties. Along with the definitive documents, This MOU shall represent entire understanding as per the subject matter here of and shall supersede any prior understanding between the parties and the subject matters hereof.

**CLAUSE 2  
SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in technological up gradation, innovation and competitiveness of an industry. Both parties believe that co-operation between two would be of major benefits to the students, community to enhance their skills and knowledge.
- 2.2 **Curriculum design:** Second party will give valuable inputs to the first party in teaching/training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3. **Industry training and visit:** industry and institution will give an insight into the latest requirement of industry, the second party to admit the faculty and students of the first party to visit its group companies and also involve in industrial training programs for the first party. The industrial and expose provided to students and faculty to this association will build confidence and prepare the students to have a smooth transition from academic to working career. The second party will provide its lab/workshop/industrial sites for the hands on training of the learners enrolled with the first party.

  
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- 2.4. **Research and Development:** Bothe parties have agreed to carry out the joint research activities in the fields of name Electrical and electronics activities and services.
- 2.5 **Skill development program:** Second party to train the student of first party on emerging technologies in order to bridge the skill gap makes them industry ready.
- 2.6 **Guest lecturers:** Second party to extend the necessary support to deliver guest lecturers to the students of the first party and technology trends and in house requirement.
- 2.7. **Faculty development program:** second party to train the faculties of first party for importing training as per the industrial requirement considering the national occupational standards in concerned scoters if available.
- 2.8 **Placement of Trained Students:** second party will actively engage to help the delivery of the training and placement of students of the first party into internship/jobs and will facilitate placements. The second party will itself observe at least few of the trained students.
- 2.9 Bothe parties to obtain all internal approvals, consents and permissions whatever nature required for offering the programs and the terms specified here in.
- 2.10. There is no financial commitment on the part of R R I T, the first party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1. Nothing contained in this MOU shall, by express grant, implication or otherwise create in party any right, title, interest or licensing or to the intellectual property of the other party

### CLAUSE 4 VALIDITY

- 4.1 this agreement will be valid until it is expressly terminated by either party on mutually agreed terms, during which period 3N electronics the 2<sup>nd</sup> party has case may be will take effective step for implementation of this MOU. Any act on the part of training partner or 3N electronics the 2<sup>nd</sup> party after termination of this agreement by way of communication, correspondence etc... shall not be constrained as an extension of this MOU.

  
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Chikkabanavara, Bangalore - 560 090.

**CLAUSE 5**  
**RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that First party and second party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be constructed as a partnership. Neither party is authorized to use the other party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other party, without the prior written consent of the other party. Neither party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding the other party, to pledge other party's credit, or to extend credit on behalf of the other party.

First Party

Second part

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at district Head Quarters of the First party. This undertaking is to be constructed in accordance with Indian Law with exclusive jurisdiction in the Courts of Tumkur.

**AGREED:**

For RRIT, Bangalore

For 3N Electronics

*K. the. H.D.*  
*13/11/2021*

Authorized Signatory

*[Signature]*  
Authorized Signatory

<b>HOD, Dept of ECE and EEE</b>	<b>CEO, 3N Electronics</b>
<b>R R Institute of Technology,</b>	<b>#4, KIADB Industrial Area</b>
<b>R R Layout, Bangalore -90</b>	<b>Satyamangala, Tumakuru</b>
<b>Mob: 8123208653</b>	<b>Mob: 9916 226817, 98866 91752</b>
<b>Email: rrit@rrit.edu.in</b>	<b>Email: 3nelectronics2015@gmail.com</b>

Witness 1:

*Ch. Hanumanth Rao. V*

Witness 2:

*Mohan Kumar*  
*13/11/2021*



*[Signature]*  
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Chikkabanavara, Bangalore - 560 090.



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## R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka  
Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Electronics and Communication Engineering

Date: 30/4/2022

### REPORT ON INDUSTRIAL VISIT

An industrial visit to "3N Electronics" No. 4 Part, KIADB, Industrial Area, Satya Mangala, Tumkuru, Karnataka 572104, was organized by the ECE department for the 6<sup>th</sup> semester students on 27/04/2022.

**Resource Person : Mr. P F Naikar**  
CEO, 3N Electronics  
KIADB, Industrial Area, Satya Mangala, Tumakuru, Karnataka 572104

#### About the Industry:

M/S 3N Electronics is Proprietorship Company Situated in One Acre of KIADB, Industrial Area, Sathya Mangala Tumkur-572104. M/S 3N Electronics Started in the year 2015 as a subsidiary of M/S Southern circuits which was founded in the year 1992 as an ancillary to TVS electronics Tumkur. Southern circuits is a leading manufacturer of professional grade circuit board supplying to various esteemed customers like TVS Electronics, INCAP, Digital Circuits, M/S Toyama Electric Company.

#### PROMOTERS BACK GROUND & MANAGEMENT TEAM:

The promoter of the company has more than 40 years of rich experience in project, production management of manufacturing electronic goods. The management team is consisting members of highly qualified technical experienced and Post Graduate in Business  
This small-scale industry is the manufacturer of customized PCBs for the various companies. They do design and prepare PCB of single side to their customers.

#### STUDENTS WERE INTRODUCED TO THE FOLLOWING PROCESS:

The PCB manufacturing unit has the following processing systems

- Step 1: Designing the PCB
- Step 2: Design Review and Engineering Questions
- Step 3: Printing the PCB Design
- Step 4: Printing the Copper for the Interior Layer
- Step 5: Etch the Inner Layers or Core to Remove Copper
- Step 6: Layer Alignment
- Step 7: Automated Optical Inspection
- Step 8: Laminating the PCB Layers
- Step 9: Drilling
- Step 10: PCB Plating
- Step 11: Outer Layer Imaging
- Step 12: Outer Layer Etching
- Step 13: Outer Layer AOI

*M. Lakshmi*  
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- Step 14: Solder Mask Application
- Step 15: Silkscreen Application
- Step 16: Finishing the PCB
- Step 17: Electrical Reliability Test
- Step 18: Profiling and Route Out
- Step 19: Quality Check and Visual Inspection
- Step 20: Packaging and Delivery

**3N electronics is also a manufacturer of LED tubes:**

They have in-house assembling and testing unit. The 2ft and 4ft LED tubes are the major products with the wattage rating of 10W and 20W. They also prepare 50W and 100W street lights with automatic switching ON and OFF facilities based on the sun rise and sun set. Thus contributing to the conservation of Electrical Power, the need of the hour.

The industry is recognized as the partner training industry in AICTE web portal and provides internship training for the Diploma, Engineering (UG) and Engineering (PG) students with a systematically designed Modular Training Curriculum. The company, 3N Electronics has signed an MOU with our college to extend the training and other facilities to the students of ECE department.

All 6<sup>th</sup> Semester students of ECE were benefitted by the industrial visit and had a glimpse of actual manufacturing process of LED tubes, PCB, the materials used, techniques employed. The following faculties had accompanied.

1. Shadakshari, Asst. Prof. of ECE
2. Shyamala P., Asst. Prof. of ECE


**PHOTO GALLERY:**



**Fig.1 Group photo of ECE students**



**Fig.2 Printing on PCB**

  
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**Fig.3 LED Tube manufacturing unit**



**Fig. 4 Group photo of Faculties**

*[Handwritten signature]*

*[Handwritten signature]*

**Signature of Coordinator**

*[Handwritten signature]*  
30/4/2022

**Signature of HOD**  
HOD of Electronics & Communication  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

*[Handwritten signature]*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.



# Attendance

## Industrial Visit

Date: 27/11/22  
6<sup>th</sup> Sem. (ECE)  
J.

Name

(9-30am)

USN : S. Sagar (mom)

1. Renuka .c	IRI19EC013	Renuka
2. Shubhashree .B	IRI19EC015	<u>Shubhashree</u>
3. Deep Shikha Gupta	IRI19EC002	Deepa
4. Vishnu K V	IRI19EC020	<u>Vishnu</u>
5. N. Sumanth	IRI10E010	N. Sumanth
6. Madhukumar B	IRI19EC001	Madhukumar
7. Digantha	IRI19EC004	D. Digantha
8. Kanya H. S	IRI19EC007	Kanya H. S
9. Prayadarshini M. S	IRI19EC012	Prayadarshini
10. Pooja .c	IRI19EC011	Pooja .c
11. Varshitha K.R	IRI19EC019	<u>Varshitha</u>
12. Shikha Kumari	IRI19EC401	Shikha Kumari
13. Sai Kiran . G	IRI19EC004	Sai Kiran
14) M. P Narasimha	IRI19EC008	<u>M. P Narasimha</u>

S.

Co-ordinator

(Shyamala . P)

M. Lakshmi  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabannavara, Bangalore - 560 090.

MEMORANDUM OF  
UNDERSTANDING  
BETWEEN  
RRIT, BANGALORE  
AND  
UTL Technologies Ltd,  
BANGALORE.

*Mahesh*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

MEMORANDUM OF UNDERSTANDING BETWEEN  
RRIT, BANGALORE

AND

UTL Technologies Ltd, BANGALORE.

IN RESPECT OF INTERACTION OF ACADEMIA AND INDUSTRY FOR IMPROVING THE QUALITY OF TEACHING AND FOR IMPARTING PRACTICAL SKILLS TO STUDENTS IN THE AREAS OF VLSI, Embedded Systems and IT-ITeS.

PREAMBLE

Whereas there is need for helping the teaching faculty to acquire additional knowledge both in theory and practice in the areas mentioned above RRIT has requested and UTL technologies Ltd has agreed (subject to fulfilment of mutually agreed commercial terms & conditions) that the facilities available with UTL and the knowledge and expertise of UTL's experts can be utilized by RRIT for the above purpose.

AND

Whereas RRIT – through department of ELECTRONICS & COMMUNICATION Engineering, desires to utilize such facilities.

It is agreed as follows:

1. The subject matter of this MOU is, to extend UTL's facilities and expertise for helping the faculty and the students (subject to fulfilment of mutually agreed commercial terms & conditions).
2. RRIT is authorized by this MOU to use the services of UTL in terms of this MOU as per mutually agreed dates
3. UTL will arrange Technical Talks, Sessions, Visits, Workshops for Faculty/ Students of RRIT.
4. UTL will provide guidance with respect to industry relevant projects and research activities only with/according to available resources/manpower and prespecified time duration.
5. RRIT will send their students, faculties, and contacts for training with batch size of at least 4+1 per semester or 8+2 per academic year where 8 nos training charge according to their category set by UTL.

ARTICLE 1:

MODES OF COLLABORATION

It is mutually agreed that upon the mutual consent of RRIT & UTL, collaboration shall be carried out to the extent feasible through such activities as listed below.

1. Supporting the faculty in allowing using the facilities at UTL for getting practical experience in areas listed above with pre intimation and subject to available manpower & facility.
2. Supporting student projects for the UG / PG Programs.
3. Faculty and staff interaction by way of conducting seminars and workshops from time to time in the premises of both RRIT & UTL.
4. Both the parties can use materials related to work done in order to jointly publish papers and marketing activity with mutual consent.
5. Arranging lectures from experts in various fields of VLSI, Embedded Systems and IT-ITeS by UTL in RRIT.
6. Arranging regular visits to UTL for faculty, UG and PG students subject to available manpower & facility.
7. The UG / P.G. students (max 4 in a year) can take up project work and internship at UTL, Bangalore as part of their curriculum requirement. For each project work, taken up by UG/ P.G students, one Senior Faculty of the Dept., shall be the internal guide and one UTL Engineer shall be the external guide.
8. The intellectual property available / provided / developed in any format as an outcome of this association will be the sole ownership of UTL.
9. A letter of undertaking to fulfill the obligation, rules, procedures, policies of UTL will be taken separately from each attendee wherever applicable.



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ARTICLE 2:

IMPLEMENTATION

In terms of such mutual collaboration envisioned and activity implemented under the terms of this agreement, the programmes will be mutually discussed and jointly agreed upon in writing by authorized officials of either institutions prior to the initiation of particular program or activity.

A program Review Committee shall be constituted with equal representation from both UTL and RRIT that will review all aspects of implementation of the proposal once in a year.

ARTICLE 3:

PROCEDURES AND FUNDING

1. The overall programme will be coordinated by the office of UTL and office of RRIT.
2. The financial arrangements for conducting the activities if any will be negotiated through designated officials before commencement of any activity.

ARTICLE 4:

AMENDMENTS TO THIS MOU

Amendments to this agreement may be made at any time during, through mutual written consent of UTL, and RRIT.

ARTICLE 5:

DURATION OF THIS MOU

This MOU will remain operative for a period of two years from the date of formally signing the MOU. There will be a review of the MOU at the end of each year and will be renewed with mutual consent.

ARTICLE 6:

MOU ADMINISTRATORS

Unless otherwise provided in the MOU all actions to be taken and all notices to be given or taken hereunder by RRIT, to be taken or given by the principal, RRIT or his authorized representative and on behalf of UTL, Bangalore by Chief Executive Officer, UTL, Bangalore or his authorized representative.

  
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ARTICLE 7:

ARBITRATION

This MOU is based on mutual trust, confidence, and faith. Both the parties hereby agree to carry out the assignment in good faith. All matters will be kept confidential and will not be divulged to any other party. The MOU administrators will settle differences of opinion arising out of and in connections with the MOU, on the basis of mutual consultation by the administrators. Finally, this MOU is wholly meant to contribute to the learning process of the faculty and the students belonging to the Department of Mechanical, Electrical and Electronics, Computer Science and Engineering, Information Science and Engineering of RRIT and not any other purpose.

This memorandum is executed in English Language in two originals and each party holds one original.

Signatories of the MOU

For UTL Technologies Ltd.,



Mr. C. Kanagasabapathi  
Chief Technology Officer

For RRIT



PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Principal  
Chikkabanavara, Bangalore - 560 090.  
RR Institute of Technology (RRIT)

Date: 04/02/2022

Place: Bangalore.

  
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Chikkabanavara, Bangalore - 560 090.



PKM Educational Trust

## R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka  
Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of ECE

### ORGANIZING COMMITTEE

#### Chief Patron

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

#### Patron

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

#### Sri Arun H.R.

Director, PKMET, Bengaluru

#### Chair Person

**Dr. Mahendra K V**  
Principal, R. R. I. T, Bengaluru

#### Convener / Organising Secretary

**Dr. Sunitha H D**  
Professor & Head,  
Department Of ECE

#### Organising Committee Members

**Prof. Mohan Kumar B N**  
Assistant Professor, ECE

**Prof. Sunanda CV**  
Assistant Professor, EEE

#### Student Members

Mr. Abhishek Gowda	8 <sup>th</sup> sem
Mr. Gagan Kumar	8 <sup>th</sup> Sem
Ms. Tejaswini P	8 <sup>th</sup> Sem
Mr. Saikiran	6 <sup>th</sup> Sem
Ms. Emdorka syiem	8 <sup>th</sup> Sem
Ms. Pooja	6 <sup>th</sup> Sem

*Mahendra K V*  
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Chikkabanavara, Bangalore - 560 090.

## Department of ECE, EEE, CS & ISE

**Invites you all for the  
Inaugural  
of  
NSDC Certificate Program  
On**

**"Networking"**

**In association with UTL**

Date: 30/03/2022 - Wednesday @ 11:30 AM

### CHIEF GUEST

**Dr. Mahendra K V**  
Principal,  
R. R. I. T, Bengaluru

### GUEST OF HONOUR

**Mr. C. Kanagasabapathi**  
CEO, UTL Technologies Limited, Bengaluru

Venue: RRIT Civil Seminar Hall

*B. Mohan*  
Signature  
CO-ORDINATORS

*M*  
Signature  
PRINCIPAL

Vision: "To be a premier Institute with excellence in the field of Engineering and Management  
National Level by 2020"



PKM Educational Trust ®

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Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabanaswara, Bengaluru - 560 090

Department of Electronics and Communication Engg.

Date:07-09-2022

### Report On

### "NSDC Certificate Programme on Junior Software Developer"

**Event Date :** 30-03-2022 to 11-06-2022

**Venue:** Offline in RRIT Campus

**Resource Person:** **1. Mr. Mohammad Suhail**  
Trainer ,UTL Technologies

**2. Ms. Vandana B**  
Trainer ,UTL Technologies

#### **Overview:**

The ERICA -Association of ECE and EEE in collaboration with UTL Technologies Ltd, Bangalore had Organized a Certification Programme in following areas **COMMAND LINE INTERFACE , GIT HUB, SCRUM, HTML, CSS, BOOTSTRAP, JAVASCRIPT, REACT JS, SQL, JAVASCRIPT**

#### **Topics Covered:**

**Command-Line Interface (CLI)** The CLI provides the most granular control over the platform through straightforward interaction with the operation system (ScreenOS).

#### **1. Basics of Programming Like**

- Variables
  - Data types
  - Functions
  - Operators
- Code Foundations**

*Mahesh*  
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## 2. Software Development Life Cycle (SDLC)

- SDLC Models
- Phases of SDLC
- Methodologies

## 3. Introduction to HTML and its Elements

- HTML
- HTML Tags
- HTML Structure
- HTML Elements
- DOM Structure
- Frond End Web Development

## 4. Introduction to CSS-Cascading Style Sheet

- CSS is a language used for describing the presentation of a document written in a markup language such as HTML, XML (Including XML dialects such as SVG , MathML or XHTML)
- Box Model
- Visual Rules
- Font Families
- Colour Properties
- Attributes

## 5. Introduction to SQL Language

- SQL is a domain specific language used in programming and designed for managing data held in relational database management system or from stream processing in a relational data stream management system.
- SQL Statement
- Queries
- SQL Operators
- SQL Syntax
- Creating a Table.
- **Conducted exam from June 26<sup>th</sup> to 28<sup>th</sup> of 2022.**
- **120 Students got benefitted and 102 students got Certificate.**

  
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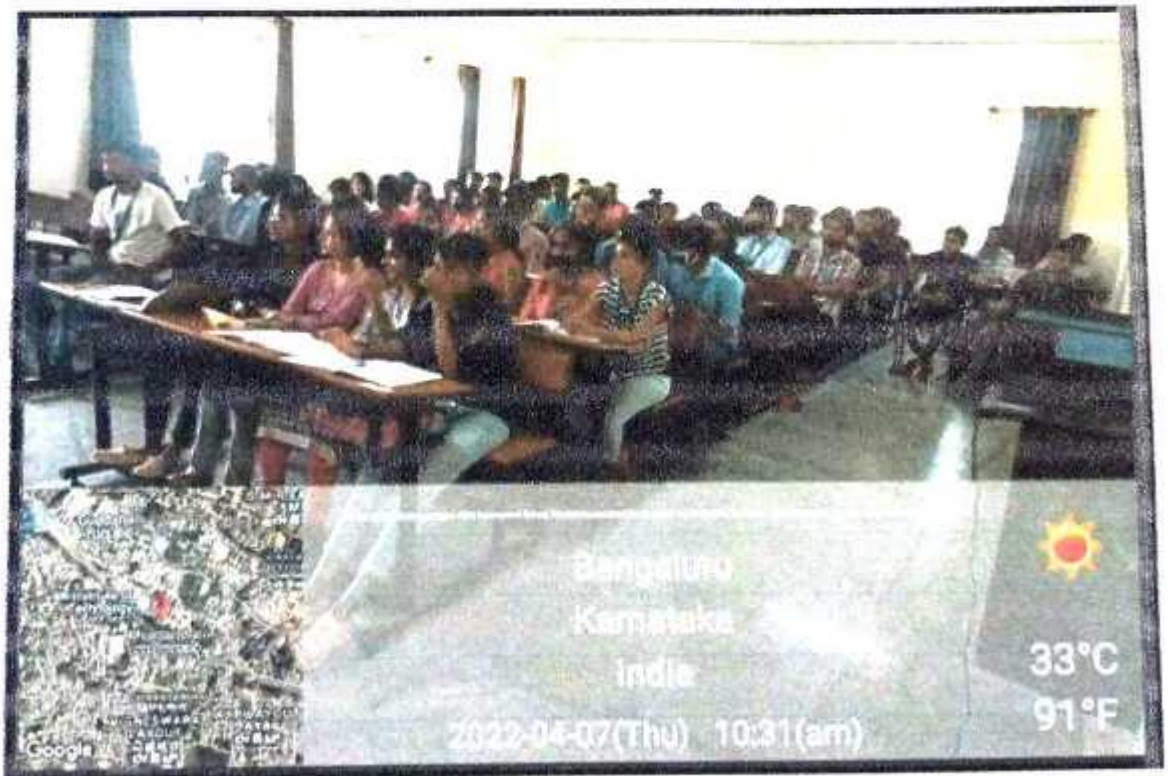
Photo Gallery



*Melaha*  
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Chikkabanavara, Bangalore - 560 090.



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*Melank*  
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*B.N Mohankumar*  
Signature of Coordinator

*R. Srinivas H.D*  
Signature of HOD  
2/9/2022

HOD of Electronics & Communication  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

*M. Lakshmi*  
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Chikkabanavara, Bangalore - 560 090.



आईटी-आईटीईएस सेक्टर स्किल्स काउंसिल  
IT-ITES SECTOR SKILL COUNCIL

राष्ट्रीय व्यावसायिक शिक्षा एवं प्रशिक्षण परिषद  
मान्यता प्राप्त  
(Recognised by NCVET)

**प्रमाणपत्र  
CERTIFICATE**

प्रमाणपत्र संख्या  
Certificate No : ABKAA0021895-00-023238



प्रमाणित किया जाता है कि  
This is to certify that

**Ms. Tejaswini P**

पुत्री

Daughter of

**K Prabhu**

आदर्श संख्या

Aadhaar No.

**XXXXXXXXX8796**

के माध्यम से / जिसके द्वारा  
for qualification

**Junior Software Developer**

अवधि

of Duration

**400 Hrs**

राष्ट्रीय कौशल योग्यता संरचना 400

National Skills Qualifications Framework

**Level 4**

शिक्षण केंद्र

Training Centre

**Ud Abalashrama**

जिला

District

**Bengaluru Urban**

राज्य

State

**Karnataka**

सफलतापूर्वक

has successfully cleared the assessment with

**B**

प्रतिभा / कक्षा के स्तर पर (ग्रेड)।  
grade.

स्थान / जगह

Place of Issue

**Utar Pradesh**

दिनांक / तिथि

Date of Issue

**06.09.2022**



डिजिटल प्रमाणित

Digital Verification link:

<https://www.skillsaqa.gov.in/issuance/verification/india/ud>

This certificate is for Short Term Training of a less than a year.



Dr. Manoj D.R. BVR Mahesh Reddy  
in Designation: **Chairperson**  
Sector: **Information Technology**

*(Signature)*

*(Signature)*  
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Chikkabanavara, Bangalore - 560 090.

Melshah  
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Chikkabanavara, Bangalore - 560 090.

Batch Type: Regular	2086025	RRIT College
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Sr. No.	Results					
	Candidate ID	Candidate Name	Batch Name	Job Roles	Attendance	Result
1	CAN_17391949	Nandita banik	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
2	CAN_17390550	Gowtham K M	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
3	CAN_17377587	Pramodh S	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
4	CAN_17340226	Venkatesh S	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
5	CAN_17340370	Anupama R pillai	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	FAIL
6	CAN_17326167	Tushar Pari	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
7	CAN_17292125	P Suhas	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Absent	N/A
8	CAN_17281480	Sandeep b t	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Absent	N/A
9	CAN_17280954	Rakshitha	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
10	CAN_17280726	Pooja N	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
11	CAN_17275827	suman kumar dey	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
12	CAN_17282594	likhith gowda k	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
13	CAN_17275810	P VIGNESH	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	FAIL
14	CAN_17275673	krupa p o	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
15	CAN_17128207	Nawaz sharief	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
16	CAN_17123516	Rishav Kumar	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
17	CAN_17326070	MD Arman Khan	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
18	CAN_17119452	Satyajit paul	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
19	CAN_17259178	Sahana R	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
20	CAN_17308004	Varshitha K R	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
21	CAN_17067784	Priya C Y	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
22	CAN_17282030	Priyadarshini H	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
23	CAN_17090006	Shaik Roshini	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
24	CAN_17138258	Tanima Mondal	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
25	CAN_17252466	Pranitha H	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
26	CAN_17112018	Shashank S	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
27	CAN_17254359	Darshitha D	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
28	CAN_17065692	Lochan K B	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS

29	CAN_17254515	Kiran D A	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
30	CAN_17254897	Madhu L	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
31	CAN_17255764	Rakshitha h s	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	FAIL
32	CAN_17063616	Roshan Kumar	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
33	CAN_17268884	Shreya Bajpai	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Absent	N/A
34	CAN_17257318	Chandana B	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
35	CAN_17258806	Meghashree M S	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
36	CAN_17275505	Helda Vinitha P	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
37	CAN_17131517	sapna singh	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS
38	CAN_17126479	Kiran Kumar V C	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Absent	N/A
39	CAN_17257096	Rakshitha S V	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Absent	N/A
40	CAN_17268983	Deep mandal	pmkvy-STT/2022-2022/SSC/Q0508-B2086025	Junior Software Developer	Present	PASS

Pass	32
Fail	3
Not Available	5

*M. R. R.*

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Chikkabanavara, Bangalore - 560 090.

Batch Type: Regular		2084408	RRIT College			
Results						
Sr. No.	Candidate ID	Candidate Name	Batch Name	Job Roles	Attendance	Result
1	CAN_17340412	Tejaswini p	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
2	CAN_17340093	Deep shikha gupta	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
3	CAN_17307872	Priya Darshini M S	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
4	CAN_17282668	Sramana bhattacharya	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
5	CAN_17280878	dheeraj k	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
6	CAN_17127532	G Bhanupriya	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
7	CAN_17308716	Shikha Kumari	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
8	CAN_17281390	firdoush ansary	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
9	CAN_17108986	Sharath R	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
10	CAN_17091355	Digonta Halder	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
11	CAN_17090075	Bharath K L	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
12	CAN_16920631	Amit kumar yadav	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Absent	N/A
13	CAN_16915594	Mohan M	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
14	CAN_17072452	Bharath Kumar K	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
15	CAN_16997704	Saikat Barman	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
16	CAN_16876591	Sanjay K S	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
17	CAN_17280704	afsal a	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
18	CAN_17060490	Pooja C	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	FAIL
19	CAN_17088400	S R Sushmitha	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
20	CAN_17324278	Rambati Reang	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
21	CAN_16879358	Puja Mallanagouda Patila	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
22	CAN_16879830	Shankamma	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
23	CAN_16879328	Abhishek Gowda D	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
24	CAN_17056053	Sai prashanth S	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
25	CAN_17275705	Jubin sinha	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Absent	N/A
26	CAN_16876811	Sushma S B	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
27	CAN_16877610	Yeshwanthh Kumar S A	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
28	CAN_17062323	Naveen C	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS

29	CAN_16877310	Shivakumar D N	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
30	CAN_17340528	Akhil m	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Absent	N/A
31	CAN_17072457	Mannuru Panchala	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
32	CAN_17126430	akash kumar singh	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
33	CAN_17091362	Amit Kumar Singh	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
34	CAN_17056702	Mary Thomas T	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
35	CAN_17056566	Aman Kumar Singh	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
36	CAN_17121543	Kiran C B	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
37	CAN_17061990	Sai Kiran G	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
38	CAN_17074588	Viresh Hiremath	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
39	CAN_17080012	Kavya H S	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS
40	CAN_17087365	Nelapati Sumanth	pmkvy-STT/2022-2022/SSC/Q0508-	Junior Software	Present	PASS

Pass	36
Fall	1
Not Available	3

  
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30	CAN_17282448	gurudarshan r	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
31	CAN_17261292	Bibek Modak	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
32	CAN_17255060	Keerthana S	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Absent	N/A
33	CAN_17114161	Amit kumar	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
34	CAN_17072568	Akshay Kumar Rana	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
35	CAN_17275413	B R Usha	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
36	CAN_17278242	Bhoomika R	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
37	CAN_17280706	barun roy	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
38	CAN_17278293	Inzamam Ali Khan	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
39	CAN_17281430	raushan kumar	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	PASS
40	CAN_17278465	SHANKAR KUMAR	pmkvy-STT/2022-2022/SSC/Q0508-B2084708	Junior Software Developer	Present	FAIL

Pass	34
Fail	1
Not Available	5

  
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**R.R. INSTITUTE OF TECHNOLOGY**  
 Chikkabanavara, Bangalore - 560 090.

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP)**

**AND**

**R R INSTITUTE OF TECHNOLOGY**



**Preamble**

This Memorandum of Understanding ( hereinafter referred to us " MOU ") is made and entered into by and between the **Institute for Engineering Research and publication**, with a registered address at Chennai, India (herein referred to as "First Party") and **R R INSTITUTE OF TECHNOLOGY** (herein referred to as "Second Party").

This memorandum sets out the initial relationship between the parties as well as the respective rights and responsibilities of each party. Each Party respectively is expected to act in good faith in accordance with this Memorandum.

**Purpose**

The purpose of this MoU is to establish a frame work for International conference collaboration between Institute for Engineering Research and Publication (IFERP) and **R R INSTITUTE OF TECHNOLOGY** for organizing the conference in **VIRTUAL MODE** under IFERP Conference Sponsor schemes and to set forth the understandings and intentions of the partners with regard to collaboration in areas of mutual concern mentioned herein.

(Signature - IFERP)

  
24/6/21  
(Signature - RRIT)

**PRINCIPAL**

**R. R. INSTITUTE OF TECHNOLOGY**  
Chikkabanaswara, Bangalore-560 900

(+91) 44 - 4958 9038

info@iferp.in  
www.iferp.in

Rais Tower, 2054/B, 2<sup>nd</sup> Floor, 'L' West Block, 2<sup>nd</sup> Ave, Anna Nagar, Chennai, Tamil Nadu 600040, India



## Background

The partnership is important between **IFERP** and **RRIT** Since,

IFERP is an internationally reputed professional association that is highly recognized within the global research and publication community, particularly in the fields of Engineering, Science, and Technology. Part of our organization's widespread repute can be attributed to the fact that it makes available numerous avenues for academic researchers to engage, interact, and exchange knowledge with one another.

Through its various Conference, Publications, Research Assistance & Institutional Membership Aid Schemes, IFERP dispenses a host of end-to-end professional services that assist educational institutions within India and across the planet, in organizing world-class, high-level academic events - everything from international conferences and symposia to Webinars, Seminars, Guest lectures, workshops, student chapters, publishing research articles in reputed International Journals, Research Assistance and more in various dimensions such as scientific, organizational management, financial management, global event promotion & networking, hospitality, infrastructure & convenience, as well as corporate services to institutions.

Leading educational institutions came ahead with their hand open to collaborate with IFERP giving us opportunities to live our footprints at several developing & developed countries. As a leading global source for scientific information, IFERP promotes engineering, science & technology research and innovation through its journals, magazines, and the proceedings of more than 200 annual conferences every year. IFERP is a leading publisher of scientific articles in SCOPUS Indexed, Web of Science, Springer, Google Scholar Indexed, ESCI, UGC Approved, ISI, Scimago Indexed Journal. IFERP organized scientific events with renowned institutions with over 28,593 Journal Publication services.

**RRIT** is amongst India's Premier Private Institution, and is where a unique fusion of technology, innovation and creativity works effectively towards preparing professional graduates for significant roles in business and society globally. **RRIT** has earned an enviable reputation as an award-winning Institute through its achievements in winning a host of prestigious awards at international levels.

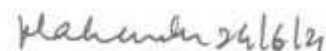


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(Signature - RRIT)

PRINCIPAL

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Chikkabanavara, Bangalore-560 90

## Scope

This MoU sets forth the intentions of the parties for increased collaboration, co-Operation and interaction and does not create any legally binding commitments. If the parties later agree to undertake any specific new projects, they will develop separate written agreements for such projects, setting out each party's contributions, deliverables, and budgets.

## Responsibilities

The partners will continue to maintain their separate and unique missions, mandates and accountabilities. Each partner will be fully and solely responsible for any and all expenses it incurs in relation to this Memorandum.

**Title of the Conference:** International Conference on Research trends in Engineering & Management  
**Date:** 21/08/2021

**Expected Number of Participants from the Host Institution:** 30

## Services / Benefits to the R R INSTITUTE OF TECHNOLOGY by IFERP

### Scientific Management

- Speakers & Sessions
- Scientific schedules, Agendas & Propaganda
- Scientific Content Management
- Scientific Community Management
- Article Management & Scientific Editorship
- Publication
- Accelerated Citation and Worldwide Access of Conference Contents

### Organizational Management

- Committee Establishment
- Committee Engagement
- Intra & Inter Organizational Propagation
- Engagement of Global Organization
- Oversea Profile Involvement
- Appreciations & Awards



(Signature - IFERP)



(Signature - RRIT)

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## Financial Assistance

- Conference Management
- Deliverables
- Grants & Speakers & Chairs
- Funding Research Proposals
- Grants for Institutional Chapters & Center of Excellence

## Global Promotion & Networking

- Global Projection of Conference
- International Promotion and Branding
- International Speakers & Committee Members
- International Co -Hosts / Co-organizer and Institutional partner
- Inclusion of proceedings and publication at world class libraries of international institutions
- Broadcasting of conference at international forums , channels and medias

## Infrastructure & Convenience

- Conference production
- Convenience: Article Management & Processing
- Editorial board for Swift review and convenient publication
- Speaker Management System
- Organizing Committee Management System
- Registration Management System

## Corporate Services

- Strategic project planning, management & execution
- Round the clock customer /delegate support
- Interphase for organizers and co-organizers
- Technical support and assistance

## Hospitality

- Travel and accommodation grants for delegates of national and international importance.
- Food and Beverages
- Banquets & Conference locations
- Entertainments & Cultural

All the accepted paper will be published in relevant high impact IFERP International Journals & Selected papers will be published in Scopus Indexed Journals.



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(Signature – RRIT)

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Chikkabanevaru, Bangalore-560 090



**Conference Fee Structure: (For a group with maximum 4 authors) (\*Rates may vary in future) Registration fees are inclusive of 18% GST**

REGISTRATION	IFERP Member (INR)	Non IFERP Member (INR)
Students / Academicians / Others	1500	2000
Listener	1000	1500

PUBLICATION	IFERP Member (INR)	Non IFERP Member (INR)
*SCOPUS Indexed Journal	10000	12000

\*Prices of Journal will be varying according to the Journal price on the time of Publication based on the availability.

**Registration fees include:**

- Conference Proceedings Soft Copy
- Certificate for conference ( 4 Authors per registration)
- Registration fee doesn't include the article processing fee for publication

**Listeners:**

- Listener Certificate

**Conference Initiation:**

- The Title of the international conference and the important dates for the same will be decided by discussion bi-lateral consideration at / after the time MoU signed.
- The areas of interest/topics/tracks for the conference should be finalized within a week after MoU signed.

**Responsibility by IFERP:**

- Conference Management System
- Web Designing, Brochures, and flyer works
- Publicity, Indexing, Mail, Social Networking, Plagiarism check & Review
- Provide Online Publication
- Certificate
- Conference Proceeding with ISBN
- Invite Guest / Keynote Speaker to the conference.

**Responsibility by Institution :**

- Registration and Research manuscript Submission from host institution
- Promotion of conference



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(Signature – RRIT)

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## Publication Terms & Conditions

1. Article Processing Fee for Publication
2. Charges for selected SCOPUS Indexed Journals Only.
3. Note that plagiarism articles are strictly rejected (Must be 25% below including references).
4. Copying of other article contents is prohibited.
5. Agreement should be confidential and to be followed accordingly.
6. Publication may delay on the basis of Journal maintenance.
7. Review reports have to be answered by the author accurately. Malpractice will not be encouraged.
8. The Publisher reserves the right to require payment before publishing.
9. Payment is due upon receipt of invoices.
10. All bank charges are payable by the customer.

## Duration

This MOU is at-will and may be modified by mutual consent of authorized officials of **R R INSTITUTE OF TECHNOLOGY** and **Mr. Rudra Bhanu Satpathy, CEO, IFERP**. This MOU shall become effective upon signature by the authorized officials from the **R R INSTITUTE OF TECHNOLOGY** and Mr. R. B. Satpathy and will remain in effect until modified or terminated by any one of the partners by mutual consent.

## For further details visit us at,

Home page : [www.iferp.in](http://www.iferp.in)

For Membership : <http://iferpmembership.in/>

For upcoming conferences : <https://www.iferp.in/upcoming-conference.php>

For Past Conferences : <https://www.iferp.in/conferences18.php>

Researchers Gallery : <http://researchersgallery.com/album.html>



(Signature – IFERP)



(Signature – RRIT)

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## Terms and Conditions

- The title and the dates of the conference have to be finalized shortly after the time of the MoU agreement signing.
- The list of the organizing committee members from the host college and the theme (along with topics and sub topics) to be provided with a week of the MoU by the host college.
- Minimum number of Registration needs to be provided from the Host Institution.
- Only 4 certificates will be provided for each registration. Each extra certificate will be charged separately at the registration desk.
- Agreement should be confidential and to be followed accordingly.
- The mentioned publication cost is for selected journal only.
- The Publication cost and publication time of each journal may vary.

I DR. MAHENDRA K.V. .....agree to the above Terms and Conditions.

*Mahendra 24/6/21*  
(Signature – RRIT and Seal)

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## Signatures

In witness whereof, the parties to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

## Contact Information

Name of Institute: R R Institute of Technology

Partner Name: Dr. Sunitha. H.D

Position: Prof & HOD

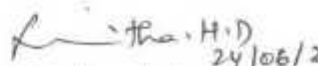
Address: Dept. of ECE, RRIT, Bangalore

Telephone: 8123208653

E-mail: sunithahd16@gmail.com

Date: 24/06/2021

ece@rrinstitute.org.com

  
(Name & Designation) 24/06/2021  
Signature (Dr. SUNITHA H.D)



Name of Professional Association: IFERP

Partner Name: Mr. Rudra Bhanu Satpathy

Position: Chief Executive Officer

Address: IFERP,

Chennai, India

Telephone: 044-4958 9038

E-mail: [rudra@iferp.in](mailto:rudra@iferp.in)

Date: 19/06/2021


Mr. R. B. Satpathy

CEO - IFERP

  
PRINCIPAL

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# International Conference on Research Trends in Engineering & Management

# ICRTEM-2021

## 20<sup>th</sup> - 21<sup>st</sup> August 2021

### Virtual Conference



ORGANIZED BY

**R R INSTITUTE OF TECHNOLOGY, BANGALORE, INDIA**

IN ASSOCIATION WITH

INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP)

## 1. Event Summary

<b>Conference Name</b>	: International Conference on Research Trends In Engineering and Management (ICRTEM-21)
<b>Date</b>	: 20th - 21st August 2021
<b>Conference Theme</b>	: Bringing Engineering, Technology And Science Research Areas Synchronically On An Indivisible Platform
<b>Auspice Organization's</b>	: RR Institute of Technology, Bangalore
<b>Mode/Place</b>	: Virtual Conference
<b>No of Delegates</b>	: 65 Delegates for the conference

### 1.1 OVERVIEW

International Conference on Research Trends in Engineering & Management (ICRTEM-21) held on 20th and 21st August 2021. Which is Organized by RR Institute of Technology, Bangalore in Association with the Institute for Engineering Research and Publication(IFERP).

New challenge and opportunity that emerge out of new applications and innovations every day. New computing platforms are required to support emerging technology research. This conference aims to facilitate the state-of -the-art, research and innovation in various fields of Engineering and Management. It provides a platform for scholars , researchers from industry and academia to demonstrate their findings and studies. The conference brings together the members of research communities to enrich their knowledge in various emerging areas of research. The 2 days event is multidisciplinary.

Call For Paper

Electronics and Communication Engineering

Electrical and Electronics Engineering

Computer Science Engineering

Civil Engineering

Mechanical Engineering

Management Studies

  
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## 1.2 Conference Theme

The theme of this conference revolves around bringing engineering, technology and science research areas synchronically on an indivisible platform. This conference will draw collectively research fellowships from diverse fields in unitedness, to share their research findings and latest ideas. The main intention of this conference is to integrate interdisciplinary inquiry to deliver the best application

## 2. ABOUT THE CONFERENCE

The context of the conference is to foster as well as exaggerate the research culture among academia and industry facilitated by sprinkled out ideas by exchange of the intellect during conduct of the conference. Furthermore, the intent of the activity is to let the folks acquaint with transcendental growth, recent trends, innovations and security issues involved in the domain of communication technologies, sustainable smart electrical systems, high performance computing, big data, social media, hardware & software design, advanced software engineering, Internet of Things (IoT), e-governance etc. and their impact on societal applications through various brainstorming sessions. The conference will facilitate the young researchers, industries and research agencies especially, those, who are carrying out their research work in the aforesaid domain of Computer Science, Information Technology, Electrical, Electronics and Communication Engineering with valuable discussions in order to make the outcomes more realistic

## 3. CONFERENCE SCOPE

ICRTEM 2021 topics include, but are not limited to, the following research and development areas/fields .

- Automation/Control systems/Robotics
- Data Mining and Data Engineering
- Architecture Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Computer Science Engineering
- Civil Engineering
- Mechanical Engineering
- Management Studies

  
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## 7.SURVEY ANALYSIS

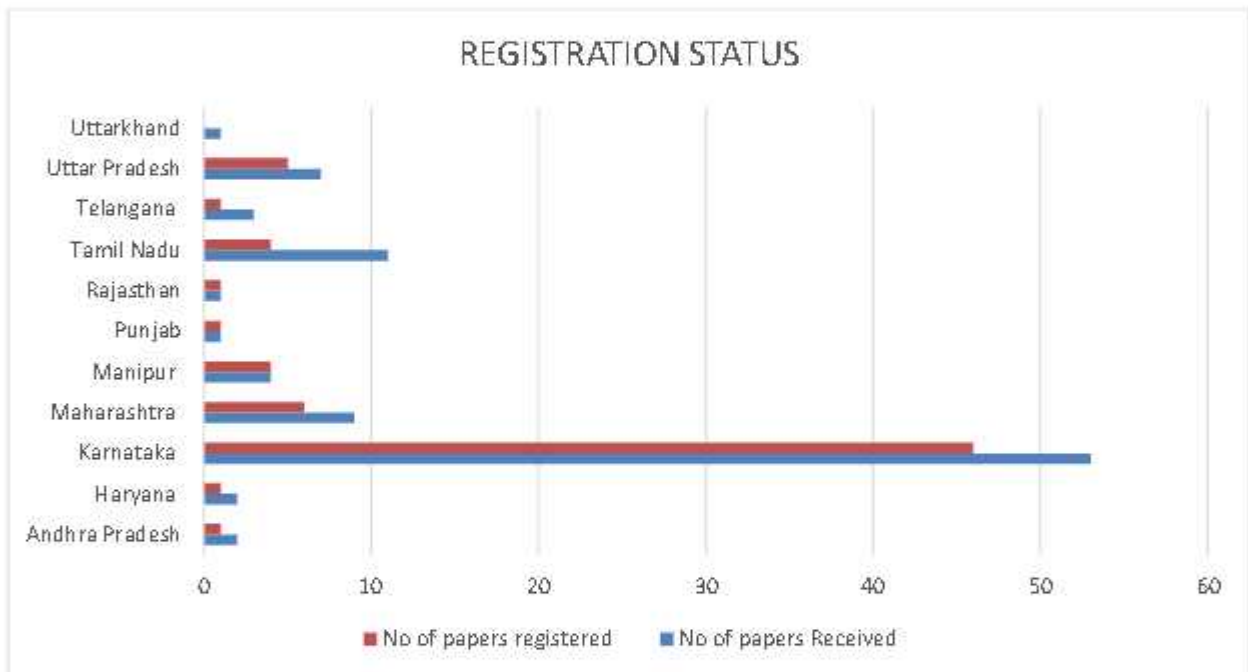
### Papers received based on the States

**Abstract Received from Abroad:**

- 1.Saudi Arabia
2. Iraq
- 3.Philippines

**Abstract Registered :**

- 1.Philippines
- 2.Saudi Arabia



S.No	States	No of papers Received	No of papers registered
1	Andhra Pradesh	2	1
2	Haryana	2	1
3	Karnataka	53	46
4	Maharashtra	9	6
5	Manipur	4	4
6	Punjab	1	1
7	Rajasthan	1	1
8	Tamil Nadu	11	4
9	Telangana	3	1
10	Uttar Pradesh	7	5
11	Uttarakhand	1	0

*M. Lakshmi*  
PRINCIPAL

## 10.VOTE OF THANKS:

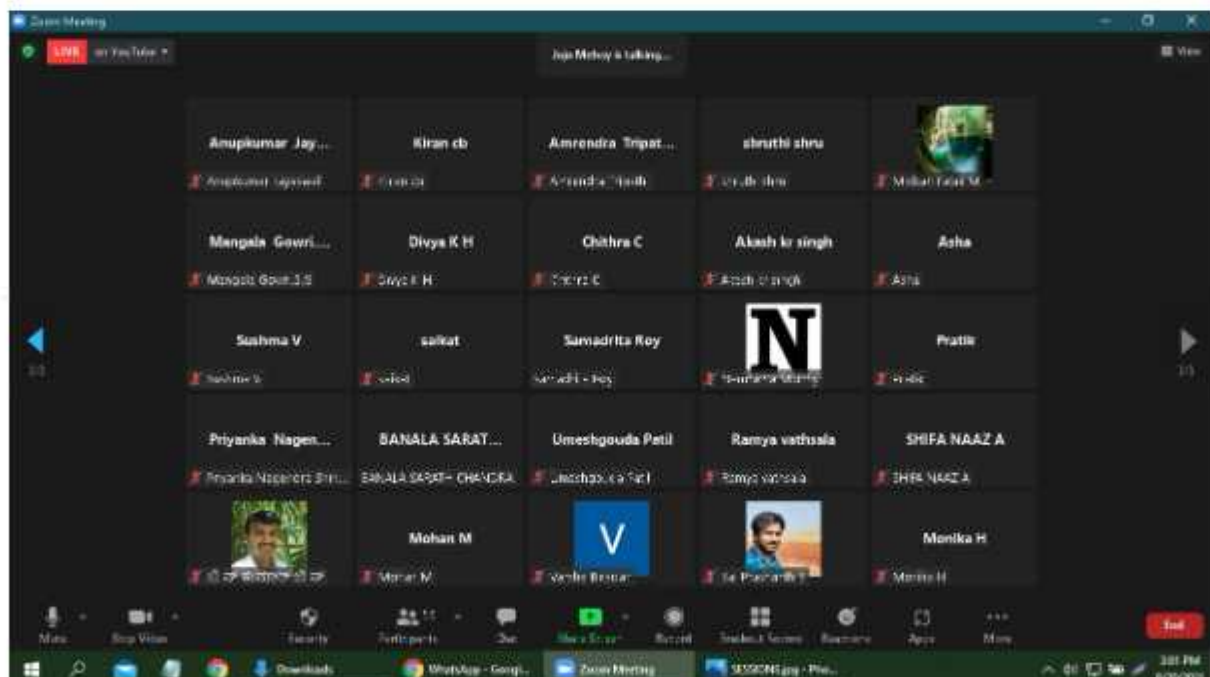
International Conference on research trends in Engineering and Management successfully hosted its ICRTEM at RR Institute of Technology on 20<sup>th</sup> and 21<sup>st</sup> August 2021. The conference was organized with a focus on Engineering, Technology and Management and it was a great success where eminent keynote speakers from various universities addressed the gathering.

The generous response and active participation of the Organizing Committee Members and Editorial Board members of Engineering and Management backgrounds we take the opportunity to thank all the speakers, delegates and participants for providing their valuable support and time for ICRTEM 2021.

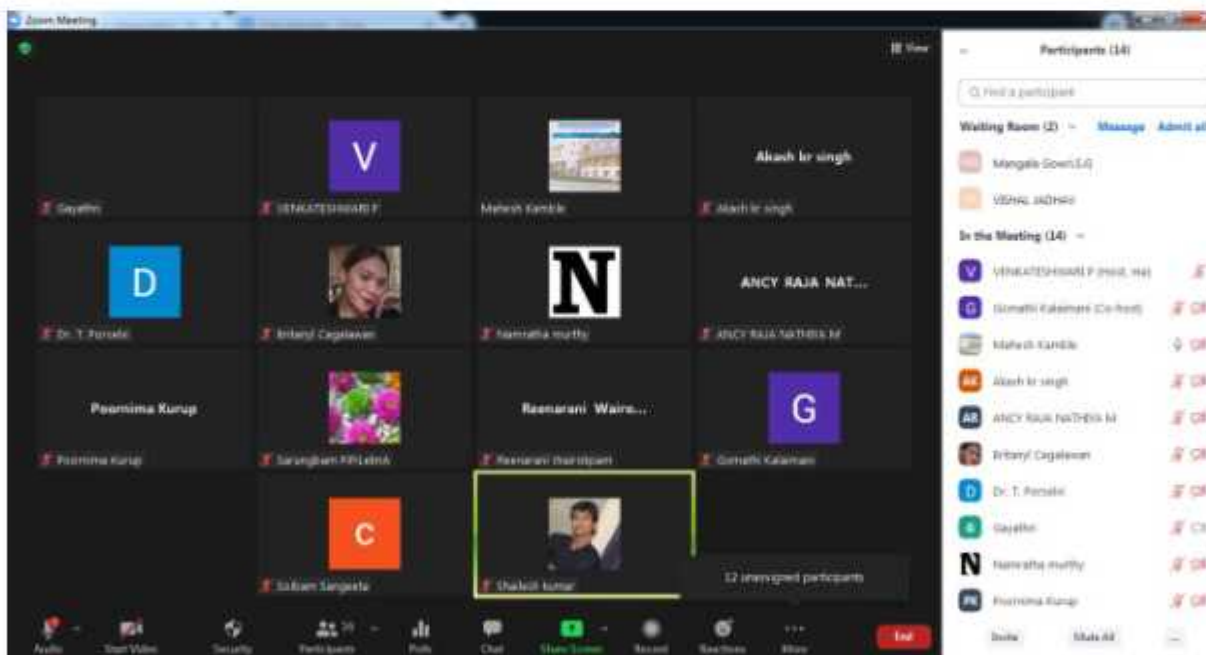
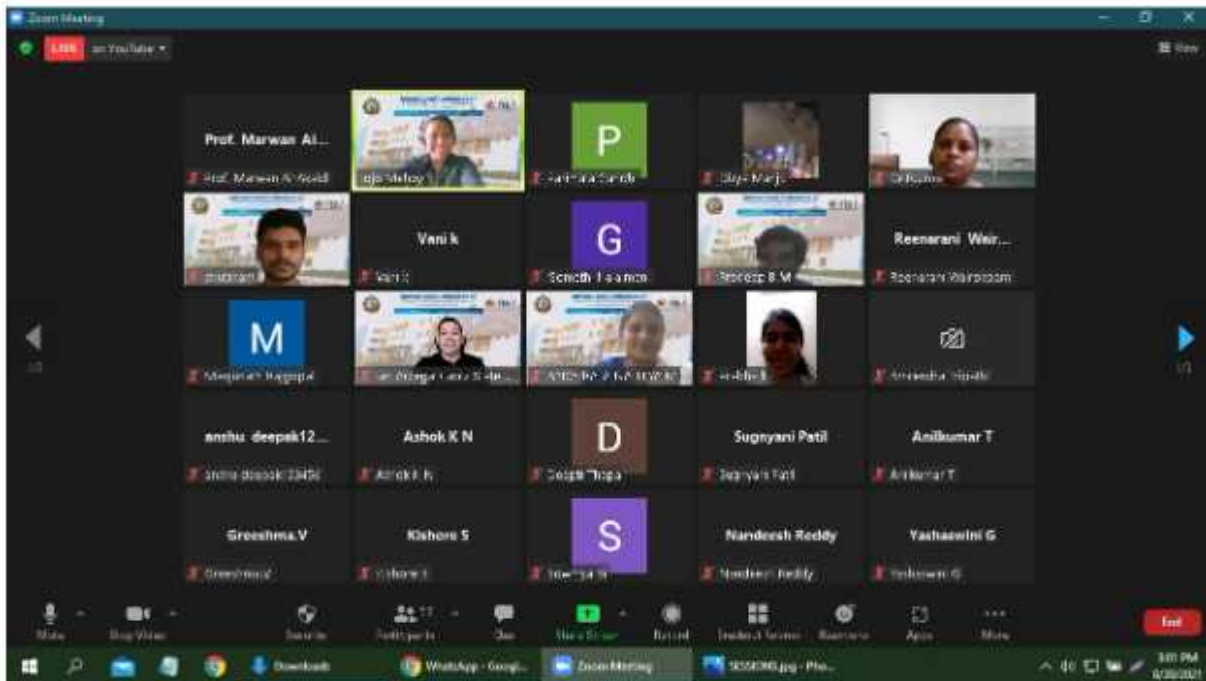
Organizing Committee would like to thank the Moderator of the conference, and who contributed a lot for the smooth functioning of this event.

congratulates the Best Paper, Best paper Presentation awardees for their outstanding performance in the field of Engineering, Social- Sciences An Humanities and appreciates all the participants who put their efforts in poster presentations & Young Researchers form and sincerely wishes them success in future endeavours. We would like to thank the Dr. Marina S. Apilado, Vice President for External Affairs and Quality Assurance, Eastern Samar State University, Philippines for their value judgment. We would like to thank the

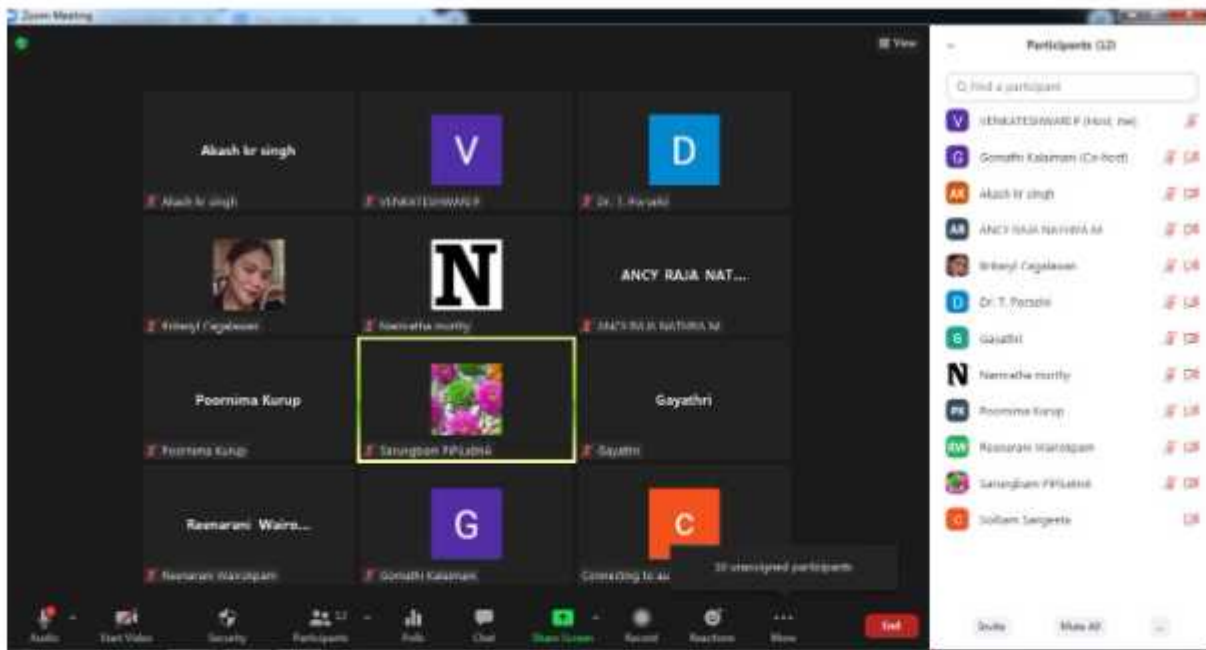
## 11. CONFERENCE GLIMPSES







  
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 Chikkabanavara, Bangalore - 560 090.

Zoom Meeting

Participants: Bidhya Chhetri, Mangala Gowri...

**WIRELESS CHARGING OF ELECTRIC VEHICLES  
IN SMART CITIES**

1. BIDHYA CHHETRI  
2. HEMANJALI R  
3. RISHIG GN  
4. RUCHITRA S

UNDER GUIDANCE OF  
PROFESSOR SUNANDA C V  
DEPT. OF EEE, RRIT

International Conference on Research Trends in Engineering & Management (ICRTM21) - Virtual Conference

Participants (34): Bidhya Chhetri, Mangala Gowri..., Rishig GN, Alakh Singh, etc.

Zoom Meeting

Participants: Bidhya Chhetri, Mangala Gowri..., Pratik

**Smart Solar Power Management  
system for Domestic Purpose**

Under the Guidance of  
Dr. Mangala Gowri S U  
Associate Professor

Participants (38): Bidhya Chhetri, Mangala Gowri..., Pratik, Alakh Singh, etc.

*Melanki*  
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Zoom Meeting

Participants (10)

Pratik Chauhanary (IR117EE007)  
Sikindra kumar thakur (IR117EE013)  
Vikash kumar sahi (IR117EE016)  
Anu prasad Yadav (IR117EE001)

**Smart Solar Power Management system for Domestic Purpose**

Under the Guidance of  
**Dr. Mangala Gowri S G**  
Associate Professor

International Conference on Research Trends in Engineering & Management (ICRTEM-21) - Virtual Conference  
29th - 31st August 2021

Participants (10): Pratik Chauhanary (IR117EE007), Pratik, Gomathi Kalanay (IR117EE013), Alash kr singh, Alash kr singh

Chat

What time is my presentation?

1:03 PM 21/08/2021

Zoom Meeting

Participants (10)

Nandeesh Reddy, shruthi shre, Divya K H, Shadaloahari

**R.R. INSTITUTE OF TECHNOLOGY**  
(Alliated to VTU, Belgaon | Approved by AICTE, New Delhi & Government of Karnataka)  
Accredited by NAAC with B+

**Department of Electronics and Communication Engineering**

**"Design and Implementations of the Hummingbird Cryptographic Algorithm on FPGA"**

**Presented By:**  
N Nandeesh Reddy (IR116EC018)  
Divya K H (IR116EC010)  
Alanjir Badsha (IR118EC401)  
Kishore S (IR115EC017)

**Under The Guidance of**  
**Prof. Mohan kumar B N**  
Asst. Professor  
Dept. of ECE,RRIT

International Conference on Research Trends in Engineering & Management (ICRTEM-21) - Virtual Conference  
29th - 31st August 2021

Participants (10): Nandeesh Reddy, shruthi shre, Divya K H, Shadaloahari

1:03 PM 31/08/2021

*Mahesh*  
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**P. K. M. Educational Trust<sup>TM</sup>**  
**R.R. INSTITUTE OF TECHNOLOGY**  
 (Affiliated to VTEU, Belagavi) | Approved by AICTE, New Delhi & Government of Karnataka  
 Associated by NAAC with B+

**IFERP**  
 International Forum of Engineering Research & Professional

**Department of Electronics and Communication Engineering**

**Title: " Cost-Efficient Arduino-based Automated Washroom Sanitizing System "**

**Presented By:**  
 Aishwarya S  
 Amrendra Tripathi  
 Anuradha Lakara  
 Prabha k

1R117EC002  
 1R117EC006  
 1R117EC007  
 1R117EC017

**Under The Guidance of**  
**Prof. Name -Dr Sunitha H D**  
**Designation-HOD**

**IFERP**  
 International Forum of Engineering Research & Professional

**X2 & S1 Handover in LTE Networks**

1) Divya T.M, Assistant Professor  
 2) Sujanyani F, Assistant Professor  
 Dept of ECE, RRIT

International Institute of Engineering & Management (IIEEM) - Trivandrum  
 24 - 26/04/2021

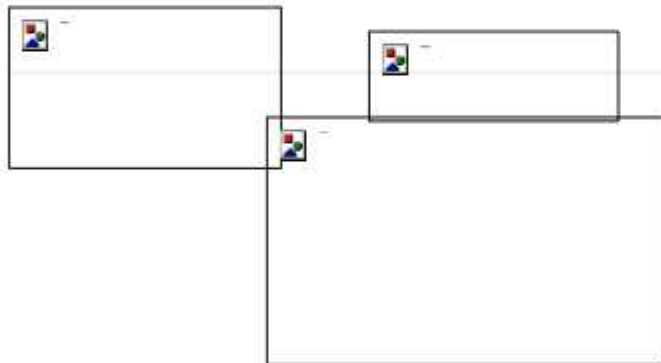
*Mahabho.*  
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## 12. CONCLUSION SUMMARY

ICRTEM 2021 was a success event organized by RR Institute of Technology and IFERP amid the COVID19 with a collective effort from host organization, Organization committee members and all participants. This event provided a learning experience to all and shape ourselves to near future. We would like to conclude with Thanks one and all.

## Our Associates

Scopus<sup>®</sup>



*Melaha.*  
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## Proceeding Book

Click the link to download the Proceedings Books

## Conference poster

Click the link to download the poster : <https://www.icrtem.net/downloads/Poster.jpg>

## Conference Brochure

Click the link to download the brochure: <https://www.icrtem.net/downloads/brochure.pdf>

## Conference Background



*Melash.*  
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**MEMORANDUM OF UNDERSTANDING (MoU)**

**BETWEEN**

**RAJA REDDY INSTITUTE OF TECHNOLOGY  
(BANGALORE)**

**&**

**CHIRA INFORMATION TECHNOLOGIES**

**FOR**

- ❖ **INTERNSHIP PROGRAMME**
- ❖ **PROJECT TRAINING**
- ❖ **WORKSHOPS**
- ❖ **SEMINARS**
- ❖ **FACULTY DEVELOPMENT PROGRAM**

*M. S. S.*  
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Chikkabanavara, Bangalore - 560 090.





We are in a competitive, challenging and fast development era of technology.

Students should be prepared with the latest updates and also upgrade themselves to the continuous, world of change. They should be competitive enough to be among the best in the current corporate industry to meet the expectations.

In this regard, after constructive discussions we had with the Management, HOD and Principal of RRIT and Chira Information Technologies, We as a team come together to a common understanding and the aspects of progress of the students to introduce and transform them to the corporate industry.

As per the discussions & 'MoU'

Chira Information Technologies would be offering

#### **To the students**

- Exposure with technical training to excel the ecosystem of IT
- Internship programs on regular basis as and when required as a curriculum of the respective university.
- Internship programs can be accommodated in either of the premises as per requirement, circumstances and decision from the team
- Placement assistance only would be provided for the final year students and would try our best to depute them to the on-going live projects with Corporates.
- Provide seminars, workshops, tech-talks and consultation programs as per the requirement.

#### **For Faculty**

- Faculty development programs.
- Training on the on-going projects and workshops with students.

RRIT and Chira Information technologies believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.



The Parties intent to Cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.

**Chira Information Technologies** is engaged in Information Technology Solution providers as business from past 18 years and related fields.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

## 1. CO-OPERATION

Both parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the institution and its related wings. The Parties shall keep each other informed of potential opportunities for one another.

First party and Second Party co –operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching/ training systems, keeping in mind the needs of the industry, the Second Party.

The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the ‘ Definitive Documents’) as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

## 2 SCOPE OF THE MoU

The budding graduates from the institutions could play a key role in technological Up-gradation, innovation and competitiveness of an industry.

  
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Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

**Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching/training methodology and suitable customize the curriculum so that the students fit into the industrial scenario meaningfully.

**Training & Visits:** Industry and Institution interaction will give an insight in to the latest developments/ requirements of the industries: the Second Party try to permit the Faculty and Students of the First Party to visit its group companies and also to look in to the working culture of the company for the First Party. The training and exposure provided to the students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The First Party will provide its Labs and working space and requirements for the hands-on training of the learners enrolled with the second party.

**Skill Development Programs:** Second Party to train the students of First Part on the emerging technologies in order to bridge the skill gap and make them industry ready.

**Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of First Party on the technology trends and in house requirements.

**Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in nature required for offering the Programmes on the terms specified herein.

There is no financial commitment on the part of both the parties. If there is any financial consideration, it will be dealt separately by means of proposals as per the guidelines of the authorities and the parties.

### **3 INTELLECTUAL PROPERTY**

3.1 Nothing contained in this MoU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license

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in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

#### **4 VALIDITY**

This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU.

Both Parties may terminate and revise this MOU upon 30 Calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

#### **5 RELATIONSHIP BETWEEN THE PARTIES**

It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of the any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

Any divergence or differences derived from the interpretation or application of the MoU shall be resolved by arbitration between the Parties as per the

Arbitration Act, 1996. The place of the arbitration shall be at Bangalore Jurisdiction. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of Name of City.

*Mahesh*  
PRINCIPAL



**AGREED:**

**For  
Raja Reddy Institute of  
Technology**

**For  
Chira Information Technologies**

*Latha H.D*  
*19/02/2020*

*Malathi B.N*  
*19/2/2020*

HOD of Electronics & Communication  
**Authorized Signatory**  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

**Authorized Signatory**

<b>Raja Reddy Institute of Technology</b>	<b>Chira Information Technologies</b>
Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara Bangalore – 560 090	# 2934E & 2935E, 2nd Floor “ ARERANGA COMPLEX ” Vijayanagar Club Road, Vijayanagar , Bangalore - 560 040
Mobile: (+91 888 000 1111) Phone: 080 - 28391554/3. Whatsapp: 8050202020	Ph: 080-41270234
<a href="mailto:rrit@rrinstitutions.com">rrit@rrinstitutions.com</a>	<a href="mailto:raghu@chirait.com">raghu@chirait.com</a>
<a href="https://www.rrit.ac.in/">https://www.rrit.ac.in/</a>	<a href="http://www.chirait.com/">www.chirait.com/</a>

*Paul*  
Witness 1:  
*20/2/2020*

Witness 1:

*Sybil R*  
Witness 2:  
*20/2/2020*

Witness 2:

*Malathi*  
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Chikkabanavara, Bangalore - 560 090.

Encl:02



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Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Electronics and Communication Engineering

### ORGANIZING COMMITTEE

#### Chief Patron

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

#### Patron

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

#### Sri Arun H.R.

Director, PKMET, Bengaluru

#### Administrators

**Shri. Prabhakar Rao**  
Administrator - R. R. Institutions

#### Prof. Maya Salimath G

Director QAC - R. R. Institutions

#### Chair Person

**Dr. Srinivas G Bhatt**  
Principal, R. R. I. T. Bengaluru

#### Convener / Organising Secretary

**Dr. Sunitha H D**  
Professor & Head,  
Department Of ECE

#### Organising Committee Members

**Prof. Preamsagar H**  
Assistant Professor, ECE

**Prof. Mohan Kumar B N**  
Assistant Professor, EC

**Prof. Niranjana L**  
Assistant Professor, ECE

#### Student Members

Mr. Sheryas Nadiga	8 <sup>th</sup> Sem
Ms. Nithu shree	8 <sup>th</sup> Sem
Mr. Adarsh M P	6 <sup>th</sup> Sem
Ms. Sushma V	6 <sup>th</sup> Sem
Ms. Tejaswini P	4 <sup>th</sup> Sem
Mr. Sai Prashanth	4 <sup>th</sup> Sem

## ERICA - Association of ECE

Invites you all for the

**3 Days Workshop**

On

**"Designing Embedded System with  
Internet of Things (IOT) using  
Raspberry Pi"**

From: Monday to Wednesday

Date: 02/03/2020 to 04/03/2020

Venue: Seminar Hall, RRIT

Time: 9:30 AM

### CHIEF GUEST

**Dr. Srinivas G Bhatt**  
Principal,  
R. R. I. T., Bengaluru

### RESOURCE PERSON

**Mr. Sandeep Singh R**  
Technical Trainer  
Chira Information Technologies,  
Vijayanagar, Bengaluru

Signature

COMMITTEE CO-ORDINATOR

(Prof. Preamsagar H, Assistant Professor)

Signature

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"To be a premier Institute with excellence in the field of Engineering and Management education at  
National Level by 2020"

Signature  
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Chikkabanavara, Bangalore - 560 090.

**Program Schedule:-**

DAY	Session	CONTENT
DAY 1 02/03/2020 (Monday)		Ingauration
	Session 1	Company introduction with team ,Student Interaction, motto of workshop, Agenda of complete workshop ,Introduction to Embedded Systems and IOT
	Session 2	IOT Fundamentals, Protocols and Applications
	Session 3	IoT Application using NODEMCU (Demo)
	Session 4	IoT Application using Raspberry Pi(Demo)
DAY 2 03/03/2020 (Tuesday)	Session 1	Agenda
		Installation of Python and basic operation on python
	Session 2	Different Models of Raspberry Pi, Why Raspberry Pi, Peripherals of Raspberry Pi, Applications of Raspberry Pi.
	Session 3	Different Operating Systems for Raspberry pi, Getting Started With NOOBS, Getting things ready for first use NOOBS OS inside out, Booting for the First time.
Session 4	Introduction to Scratch Programming ,History and basic of Scratch , My first program on scratch , Led Blinking using Scratch	
DAY 3 04/03/2020 (Wednesday)	Session 1	Agenda
		Digital sensor interfacing, Analog sensor interfacing, Data Store on cloud (IOT)
	Session 2	Project 1
	Session 3	Project 2
Session 4	Evaluate the projects developed by students	

*Melash*

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# Chira Information Technologies

## Profile

Sandeep Singh R

M.Tech in Signal Processing, B.E in ECE

6+ years in Industry as Embedded Design engineer and various domains

3+ years as Trainer

Skills: Embedded Design, PCB, MATLAB, GIT, JIRA, Bit bucket.

*Sandeep Singh R*

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## Internet of Things using Raspberry Pi

DAY	Session	CONTENT
DAY 1	Session 1	Company introduction with team ,Student Interaction, motto of workshop, Agenda of complete workshop ,Introduction to Embedded Systems and IOT
	Session 2	IOT Fundamentals, Protocols and Applications
	Session 3	IoT Application using NODEMCU (Demo)
	Session 4	IoT Application using Raspberry Pi(Demo)
DAY 2	Session 1	Agenda Installation of Python and basic operation on python
	Session 2	Different Models of Raspberry Pi, Why Raspberry Pi. Peripherals of Raspberry Pi. Applications of Raspberry Pi.
	Session 3	Different Operating Systems for Raspberry pi, Getting Started With NOOBS, Getting things ready for first use NOOBS OS inside out, Booting for the First time.
	Session 4	Introduction to Scratch Programming ,History and basic of Scratch , My first program on scratch , Led Blinking using Scratch
DAY 3	Session 1	Agenda Digital sensor interfacing, Analog sensor interfacing, Data Store on cloud (IOT)
	Session 2	Project 1
	Session 3	Project 2
	Session 4	Evaluate the projects developed by students





# ERICA -ASSOCIATION OF ECE WITH CHIRA INFOR- MATION TECHNOLOGIES

IS ORGANIZING

A NATIONAL LEVEL 3-DAYS WORKSHOP

ON

"DESIGNING EMBEDDED SYSTEM  
WITH INTERNET OF THINGS (IOT)  
USING RASPBERRY PI"

(AE-2020)



02nd March to 4th March 2020

## REGISTRATION FORM

Name :

Designation :

Organization :

Qualification :

Registration category:

Faculty/Research Scholar/PG Student/  
UG Student

Communication Details:

Mobile :

E-mail :

Chief Patron:  
Sri Y. Raja Reddy  
Chairman, PKMET, Bengaluru  
Patron:  
Sri Kiran H.R.  
Secretary, PKMET, Bengaluru

Sri Arun H.R.  
Director, PKMET, Bengaluru

Shri. Prabhakar Rao  
Administrator, R R Institutions, Bengaluru  
Prof. Maya Salimath G  
Director QAC- R R Institutions  
Chair Person:

Dr. Srinivas G Bhatt  
Principal, RRII, Bengaluru

Convener:

Dr. Sunitha H.D  
Professor & HOD, Dept. of ECE

Resource Person:

Mr. Sandeep Singh R  
Chira Information technologies,  
Vijayanagar, Bengaluru.

Organizing Committee:

Prof. Premeagar H, Dept of ECE  
Prof. Niranjan L, Dept of ECE  
Prof. Mohan Kumar B, N, Dept of ECE  
Staff Advisory: DEPT of ECE

Registration Fee: Rs 900/-

For registration and details

Please contact

The Organizing Committee  
Department of ECE

R R Institute of Technology, Chikkabanavara  
Bangalore- 560090

Mobile: +919611720315, +919538823728,

E-mail id : premsagar196@gmail.com  
niranjan.rrinstitutions@gmail.com

R R Institute of Technology,  
Accredited by NAAC



3-Days National Level  
Workshop On

DESIGNING EMBEDDED  
SYSTEM WITH INTERNET OF  
THINGS (IOT) USING  
RASPBERRY PI

IN  
COLLABORATION WITH  
CHIRA INFORMATION  
TECHNOLOGIES, BENGALURU



Organized by

ERICA- Association of ECE  
R R Institute of Technology  
Chikkabanavara, Bangalore-560090  
[www.rrit.ac.in](http://www.rrit.ac.in)

## RR INSTITUTE OF TECHNOLOGY

R R Institutions, setup with a mission of imparting education to all sections of society, was established in the year 1993 to render highest standards of academic achievement with moral and social commitments. R R Institutions spread across 27 acres with lush green gardens, for getting a peaceful and serious learning atmosphere, now ushering into Greater Bangalore, being the Head Quarter of Karnataka State, connected by air, rail and roads with all major metropolitan cities of India.

### ABOUT THE DEPARTMENT

A warm and affectionate welcome from the Department of the Electronics and Communication (E&C) Engineering at R.R Institute of Technology. Electronics engineering is a most dynamically changing and ever evolving and widening branch of the engineering. The department has a fine blend team of qualified, highly experienced faculty and committed staff members to maintain its position of leadership in engineering and technology. The department is currently offering B.E program, and also has well-equipped Research Centre.

### DEPARTMENT VISION

To Impart Technical Education Par Excellence and prepare Leaders to grow beyond leaps and bounds to serve the Growing Industries and Society.

### DEPARTMENT MISSION

To train the students to emerge as outstanding skilled technocrats imbued with professional ethics engineering and managerial skills with commitment to the society and nation at large.

To create center of excellence in the field of Electronics with industrial and university collaborations.

### OBJECTIVE OF WORKSHOP

The main objective of the workshop is to provide the basic understanding of Microcontroller and embedding with IOT, understanding the Raspberry pi Models ,Peripherals and Applications of Raspberry Pi. The Workshop focus on the learning of Python programming language. Acquaintance Fundamentals ,Protocols and Application of IOT With this basic knowledge of the Microcontroller, the focus on Embedding the devices and Connecting to the Internet (Cloud server) is the aim of this workshop.

## TOPICS TO BE COVERED &

### PROGRAM SCHEDULE

#### Day 1. Introduction

- Introduction to Embedded Systems and IOT
- IOT Fundamentals, Protocols and Applications
- IoT Application using NODEMCU
- IoT Application using Raspberry Pi

#### Day 2. Interfacing

- Installation of Python and basic operation on python
- Different Models of Raspberry Pi,
- Peripherals of Raspberry Pi.
- Applications of Raspberry Pi.
- Different Operating Systems for Raspberry pi,
- Getting Started With NOOBS
- Introduction to Scratch Programming ,History and basic of Scratch ,
- My first program on scratch ,
- Led Blinking using Scratch

#### Day 3. Hands on Session

- Basic Python programming
- Digital sensor interfacing,
- Analog sensor interfacing,
- Data Store on cloud (IOT)
- Projects
- Evaluate the projects developed by students



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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Electronics &amp; Communication Engineering

Date: 02-03-2020

## 3 Day Workshop on "Designing Embedded System with IoT using Raspberry Pi

### Registration Details

Sl. No.	College Name	Name	USN	Semester	Branch	Phone Number	Email ID	Signature
1	AMCEC, Bangalore	Aishwarya R	1AM17EC006	6th	ECE	9964822934	aishwaryar1480@gmail.com	Aishwarya R
2	AMCEC, Bangalore	Cheerala Rachana	1AM17EC024	6th	ECE	9900904497	rachanacheerala197@gmail.com	Rachana
3	R R institute of technology	Sowmya G R	1RI17EC023	6th	ECE	8088052030	sowmyagr01@gmail.com	Sowmya
4	R R institute of technology	Joy Bhowmik	1RI16EC012	6th	ECE	8296201308	mrjoybhowmik12@gmail.com	Joy
5	R R institute of technology	Anuradha lakra	1RI17EC007	6th	ECE	9113707714	anuradhalakra9@gmail.com	Anuradha
6	R R institute of technology	Greeshma.V	1RI17EC011	6th	ECE	9606587344	greeshma221999@gmail.com	Greeshma
7	R R institute of technology	Bharath V	1RI17EC009	6th	ECE	8792135551	bharathv2820@gmail.com	Bharath V
8	R R institute of technology	Vani k	1RI17EC025	6th	ECE	8151920463	vanik19990@gmail.com	Vani k
9	R R institute of technology	Ramyab	1RI15EC035	6th	ECE	9108910089	ramyavathsala89@gmail.com	Ramyab
10	R R institute of technology	Asha L	1RI17EC008	6th	ECE	7892794001	ashal09334@gmail.com	Asha
11	R R institute of technology	Yashaswini G	1RI16EC031	6th	ECE	7996847380	yashugraju0518@gmail.com	Yashaswini
12	R R institute of technology	Pallavi M R	1RI17EC015	6th	ECE	9538993498	pallavisagar18@gmail.com	Pallavi
13	R R institute of technology	Monika H	1RI16EC017	6th	ECE	9380702104	imonikah25@gmail.com	Monika
14	R R institute of technology	Vishwas Gowda H R	1RI17EC027	6th	ECE	8867529201	victimat46@gmail.com	Vishwas

*M. Lakshmi*

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15	R R institute of technology	Alangir Badsha	1RI18EC401	6th	ECE	7076091242	alangirbbbb000@gmail.com	
16	R R institute of technology	Chithra C	1RI16EC008	6th	ECE	9620654962	chithrabairanna98@gmail.com	
17	R R institute of technology	Divya k h	1RI16EC010	6th	ECE	7760944639	divyakh1998@gmail.com	
18	R R institute of technology	Prabha K	1RI17EC017	6th	ECE	7975942036	prabhakreddy55@gmail.com	
19	R R institute of technology	Kishore S	1RI15EC017	6th	ECE	9739595232	Kishoreay472@gmail.com	
20	R R institute of technology	Priyanka N Shindogi	1RI17EC018	6th	ECE	9916052730	priyankanshindogi@gmail.com	
21	R R institute of technology	Adarsha MP	1RI17EC001	6th	ECE	8971834347	Adarshjohar123@gmail.com	
22	R R institute of technology	Varsha Biradar	1RI17EC026	6th	ECE	7019655591	varsha.biradar1999@gmail.com	
23	R R institute of technology	Ajay ks	1RI17EC003	6th	ECE	6360544840	ajayscientist048@gmail.com	
24	R R institute of technology	Shruthi.a.s	1RI15EC043	6th	ECE	7406145633	shrushivabalu21@gmail.com	
25	R R institute of technology	Aishwarya.S	1RI17EC002	6th	ECE	8217782789	aishwaryasavitha99@gmail.com	
26	R R institute of technology	Sushma V	1RI16EC028	6th	ECE	8884845998	sushma16698@gmail.com	
27	R R institute of technology	Mohith Kumar Singh	1RI17EC014	6th	ECE	7277027314	Mohithkumarsingh12@gmail.com	
28	R R institute of technology	Amerendra Tripathi	1RI17EC006	6th	ECE	9148089164	Amerendratripathi2017@gmail.com	
29	R R institute of technology	N Nandeesh Reddy	1RI16EC018	6th	ECE	7337663113	nandeeshreddy@gmail.com	
30	R R institute of technology	Samadrita Roy C	1RI17EC021	6th	ECE	9051164117	saadrita180@gmail.com	
31	R R institute of technology	Rakesh S	1RI15EC033	6th	ECE	7019413472	Raki13797@icloud.com	
32	R R institute of technology	Ullas K S	1RI16EC405	6th	ECE	9901840093	Ksullas2018@gmail.com	

1. Prof. Premsagar H

2. Prof. Niranjana L

3. Prof. Mohan Kumar B N

Signature of Coordinators

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Chikkabanavara, Bangalore - 560 090.

Signature of HOD

HOD of Electronics & Communication  
R.R. Institute of Technology

Heavenly Hills Main Road,  
Chikkabanavara, Bangalore - 560 090.



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Department of Electronics and Communication Engineering

## 3 days' Workshop on "Designing Embedded system with IOT using Raspberry Pi" Attendance

Semester : VI

AY 2019-20

Sl. No	USN	Name of the Students	Day 1 (02/03/2020)		Day 2 (03/03/2020)		Day 3 (04/03/2020)	
			Morning Session	Afternoon Session	Morning Session	Afternoon Session	Morning Session	Afternoon Session
1	IRI16EC010	Divya KH	Divya	Divya	Divya	Divya	Divya	Divya
2	IRI16EC012	Joy Bhowmik	Joy	Joy	Joy	Joy	Joy	Joy
3	IRI16EC031	Yashswini G	Yashswini	Yashswini	Yashswini	Yashswini	Yashswini	Yashswini
4	IRI17EC001	Adarsh MP	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
5	IRI17EC002	Aishwarya S	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya
6	IRI17EC003	Ajay KS	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
7	IRI17EC006	Amrendra Tripathi	Amrendra	Amrendra	Amrendra	Amrendra	Amrendra	Amrendra
8	IRI17EC007	Anuradha Lakra	Anuradha	Anuradha	Anuradha	Anuradha	Anuradha	Anuradha
9	IRI17EC008	Asha L	Asha	Asha	Asha	Asha	Asha	Asha
10	IRI17EC009	Bharath V	Bharath	Bharath	Bharath	Bharath	Bharath	Bharath
11	IRI17EC011	Greeshma V	Greeshma	Greeshma	Greeshma	Greeshma	Greeshma	Greeshma
12	IRI17EC014	Mohit Kumar Singh	Mohit	Mohit	← AB →	← AB →	← AB →	← AB →
13	IRI17EC015	Pallavi MR	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
14	IRI17EC017	Prabha. K	← AB →	← AB →	Prabha. K	Prabha. K	Prabha. K	Prabha. K
15	IRI17EC018	Priyanka Nagendra S	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka

M. Lakshmi

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Chikkabanavara, Bangalore - 560 090.

Sl. No	USN	Name of the Students	Day 1 ( 02/03/2020)		Day 2( 03/03/2020)		Day 3( 04/03/2020)	
			Morning Session	Afternoon Session	Morning Session	Afternoon Session	Morning Session	Afternoon Session
17	1RI17EC023	Sowmya GR	Sowmya GR	Sowmya GR	Sowmya GR	Sowmya GR	Sowmya GR	Sowmya GR
18	1RI17EC025	Vani K	Vani K	Vani K	Vani K	Vani K	Vani K	Vani K
19	1RI17EC026	Varsha A Biradar	Varsha	Varsha	Varsha	Varsha	Varsha	Varsha
20	1RI17EC027	Vishwas Gowda HR	Vishwas	Vishwas	Vishwas	Vishwas	Vishwas	Vishwas
21	1RI18EC401	Alangir Badsha	Alangir	Alangir	Alangir	Alangir	Alangir	Alangir
16	1RI17EC021	Samadrita Roy	Samadrita	Samadrita	Samadrita	Samadrita	Samadrita	Samadrita

**Coordinator**

1. Kumbhar
2. B. Mohankumar
3. Niranjan

*(Signature)*  
HOD

HOD of Electronics & Communication  
R.R. Institute of Technology  
Hesareghatta Main Road,  
Chikkabanavara, Bangalore - 56.

*(Signature)*  
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Chikkabanavara, Bangalore - 560 090.



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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Electronics and Communication Engineering

## 3 days Workshop on "Design Embedded system with IOT using Raspberry Pi"

### Attendance

Semester : VI

AY 2019-20

Sl. No	USN	Name of the Students	Day 1 (02/03/2020)		Day 2 (03/03/2020)		Day 3 (04/03/2020)	
			Morning Session	After Session	Morning Session	After Session	Morning Session	After Session
1	1RI15EC017	Kishore S	Kishore S	Kishore S	Kishore S	Kishore S	Kishore S	Kishore S
2	1RI15EC033	Rakesh S	Rakesh S	Rakesh S	Rakesh S	Rakesh S	Rakesh S	Rakesh S
3	1RI15EC035	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B	Ramya B
4	1RI15EC043	Shruthi A S	Shruthi A S	Shruthi A S	Shruthi A S	Shruthi A S	Shruthi A S	Shruthi A S
5	1RI16EC008	Chitra. C	Chitra. C	Chitra. C	Chitra. C	Chitra. C	Chitra. C	Chitra. C
6	1RI16EC017	Monika H	Monika H	Monika H	Monika H	Monika H	Monika H	Monika H
7	1RI16EC018	N. Nandeesh Reddy	N. Nandeesh Reddy	N. Nandeesh Reddy	N. Nandeesh Reddy	N. Nandeesh Reddy	N. Nandeesh Reddy	N. Nandeesh Reddy
8	1RI16EC028	Sushma V	Sushma V	Sushma V	Sushma V	Sushma V	Sushma V	Sushma V
9	1RI16EC405	Ullas K S	Ullas K S	Ullas K S	Ullas K S	Ullas K S	Ullas K S	Ullas K S
<b>External Participant(AMC Engineering College, Bannerghatta)</b>								
1	1AM17EC006	Aishwaraya R	Aishwaraya R	Aishwaraya R	Aishwaraya R	Aishwaraya R	Aishwaraya R	Aishwaraya R
2	1AM17EC024	Cheerala Rachana	Cheerala Rachana	Cheerala Rachana	Cheerala Rachana	Cheerala Rachana	Cheerala Rachana	Cheerala Rachana

Coordinator  
B. N. Mohan  
Nivanjan L

Principal  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

HOD - ECE

HOD of Electronics & Communication  
R.R. Institute of Technology  
Bannerghatta Main Road,  
Chikkabanavara, Bangalore - 560 090



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Electronics and Communication Engineering

Date: 10/03/2020

### REPORT

#### 3 days Workshop on "Designing Embedded System with Internet of Things using Raspberry Pi"

**Event Date:** 02/03/2020 to 04/03/2020

**Venue:** RRIT Seminar Hall and DSP lab

**Resources Person:** Mr. Sandeep Singh R  
Technical trainer  
Chira Information Technologies  
Vijayanagar, Bengaluru-90

#### Overview:

The ERICA -Association of ECE in collaboration with Chira Information Technology had Organized a 3 days Workshop on "Designing Embedded System with Internet of things using Raspberry Pi" to enhance the Knowledge in the Internet of Things(IOT) and the Microcontroller (Raspberry pi) .

The main objective of the workshop was to provide the basic understanding of Microcontroller and embedding it with IOT, the Raspberry pi Models, Peripherals and Applications of Raspberry Pi . This program also focused on learning of Python programming language and IDE for Python.

#### Topics Covered:

##### Day 1:

- ❖ Resource Company introduction with team to the Participants ,
- ❖ Student Interaction, motto of workshop
- ❖ Introduction to Embedded Systems and IOT.
- ❖ IOT Fundamentals, Protocols and Applications
- ❖ IoT Application using NODEMCU (Demo)
- ❖ IoT Application using Raspberry Pi(Demo)

##### Day 2:

- ❖ Different Models of Raspberry Pi,
- ❖ Peripherals of Raspberry Pi.
- ❖ Applications of Raspberry Pi.
- ❖ Different Operating Systems for Raspberry pi,
- ❖ The Installation of NOOBS- an Operating System Installation Manager for the Raspberry Pi.
- ❖ Working on Integrated Development Environment(IDE) for Python

*Mahesh*  
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- ❖ Installation of Python and basic operation on python

### Day3: Hand on session on Embedding Raspberry pi with IOT

- ❖ IOT Security
- ❖ Introduction to Scratch Programming ,History and basic of Scratch
- ❖ Digital sensor interfacing, Analog sensor interfacing,
- ❖ Wi-Fi Module
- ❖ Data Store on cloud (IOT)
- ❖ Project 1: Led Blinking using Scratch and Python using Raspberry pi.
- ❖ Project 2: Checking humidity and temperature and connecting to the Cloud server using Think speak.
- ❖ Evaluate the projects developed by students

### **Conclusion:-**

The Workshop enabled participants to understand the fundamentals of Internet of things and embedded System. The participants were briefed about sthe Protocols used in communicating and connecting the Things.

The Architecture, pin details and the software regarding the Microcontrollers (NodeMCU and Raspberry Pi) used in designing embedded system with Internet of Things were also discussed.

The participants had a hands on sessions in installing tools for supporting python and scratch Programming language used and also learnt the basic of the programming language used in Interfacing and controlling the devices connected to the microcontroller.

The workshop also provided an opportunity to do the Projects in embedding the devices (Things) to the Raspberry pi and uploading the data to the cloud server (Internet) for the analysis.

### **Photo Gallery:-**





*Malah*  
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Chikkabavenavara, Bangalore - 560 090.

Signature of Coordinators

1. *K. Srinivas*
2. *N. Varjane*
3. *B. Mohan*

*Latha H.D*  
Signature of HOD 10/03/2020

R.R. Institute of Technology  
Maddurpet, Rajajinagar,  
Chikkabavenavara, Bangalore - 560 090



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Organized by

THE DEPARTMENT OF ELECTRONICS & COMMUNICATION

## *Certificate of Participation*

*Melaha*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

This is to certify that Mr/Ms. **CHEERALA RACHANA** with USN : **1AM17EC024**  
has participated in “**Designing Embedded System with IoT using Raspberry Pi**”  
workshop organized by “**ERICA-Association of ECE**” with  
“**Chira Information Technologies**”, Bangalore from 2nd to 4th March 2020  
held at RRIT, Bangalore.

We appreciate his/her enthusiasm and wish him/her all the best for the future.

Director

Chira Information Technologies

Dr. Sunitha H D

Professor & Head of the Department ECE  
R.R. Institute of Technology

R. R. INST Dr. Srinivas G Bhatt  
Chikkabanavara, Bangalore - 560 090  
Principal  
R.R. Institute of Technology



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THE DEPARTMENT OF ELECTRONICS & COMMUNICATION

## Certificate of Participation

*M. Srinivas*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

This is to certify that Mr/Ms. **JOY BHOWMIK** with USN : **1RI16EC012**  
has participated in “**Designing Embedded System with IoT using Raspberry Pi**”  
workshop organized by “**ERICA-Association of ECE**” with  
“**Chira Information Technologies**”, Bangalore from 2nd to 4th March 2020  
held at RRIT, Bangalore.

We appreciate his/her enthusiasm and wish him/her all the best for the future.

Director

Chira Information Technologies

Dr. Sunitha H D

Professor & Head of the Department ECE  
R.R. Institute of Technology

Dr. Srinivas G Bhatt  
Principal

R.R. Institute of Technology



# Certificate Of Internship

We present this certificate to

**AMITH M Y** USN : 1RI17EC005

in recognition of his/her hard work and dedication as an intern at "Chira Information Technologies" in

## Embedded Systems

The internship was conducted between Oct. 1st 2020 to Nov. 15th 2020

Congratulations & best wishes for his/her future endeavors.

*Mahesh*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenara, Bangalore - 560 090.

*Mahesh*  
Technical Head



[www.chirait.com](http://www.chirait.com)

*[Signature]*  
Director



# Certificate Of Internship

We present this certificate to

**BHARATH V** USN : 1RI17EC009

in recognition of his/her hard work and dedication as an intern at "Chira Information Technologies" in

## Embedded Systems

The internship was conducted between Oct. 1st 2020 to Nov. 15th 2020

Congratulations & best wishes for his/her future endeavors.

*Malathi*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

*Malathi B. V.*

Technical Head



*[Signature]*

Director



**Jetking™**  
Better Life

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Chikkabanavara, Bangalore - 560 090.

### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made on **30th of January 2019** between **Jetking Sadashivnagar Learning Centre.**, a division of **M/s. Manor Information & Management Services Pvt. Ltd., (MIMS)** having its Registered Office at No.13, 2<sup>nd</sup> Floor, Opp. Bharat Petroleum, Sankey Road, Sadashivnagar Circle, Bangalore - 560 080 represented by **Mr. H. A. Abdul Sajid** and **R R Institute of Technology** having its college campus at Raja Reddy Layout, Hesaraghatta Main Road Chikkabanavara, Bengaluru, Karnataka 560090, represented by its **HOD Dr. Sunitha H.D from Electronics & Communication Branch.**

This Memorandum of Understanding establishes the guidelines for collaboration between **Jetking Sadashivnagar Learning Centre. (Jetking),** and **R R Institute of Technology** in the delivery of Service Contract.

#### AGREEMENT:

- Department of Electronics & Communication - R R Institute of Technology, Bangalore** hereby agrees & permits **Jetking Sadashivnagar Learning Centre** to conduct below activities
  - Awareness Workshop on Digital India , Current IT job opportunities & Skill India Initiative** support from Jetking for all students on Networking
  - 3 days hands on Workshop on Networking** for students as per the syllabus attached. (Inclusive of theory and practical) starting from the academic year 2018-2019.
  - College Tie-up to offer value added courses for students with Job Guarantee**
- Jetking Sadashivnagar** will make sure to follow the rules and regulations of college.
- The practical classes for the same may be conducted at either **R R Institute of Technology, Bangalore** or at **Jetking, Sadashivnagar**.
- The workshop contents for all the branches are enclosed. The fee for the said course would be charged per student basis.

*H. A. Abdul Sajid*  
SADASHIVNAGAR LEARNING CENTRE

*Sunitha H.D*  
HOD of Electronics & Communication  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90

*M. Lakshmi*  
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

5. It is the responsibility of Jetking Sadashivanagar to conduct hands on workshop and train the students within the time stipulated by **R R Institute of Technology, Bangalore** and provide certificates under the banner of **Jetking** to the successful students.

#### 6. Roles and Responsibilities of R R Institute of Technology:

- Arranging students for workshop with maximum strength
- To schedule the training/Workshops.
- To ensure all the students attend the training/Workshops scheduled for them.
- Disciplinary support for the smooth conduct of training/Workshops.
- Required Lab infrastructure, including basic LAN connectivity in case training/Workshops has to conduct in college campus.
- The college shall not enter in any agreement with any other training institute for the period of MOU for any Hardware & Networking training/Workshops.

#### 7. Roles and Responsibilities of Jetking Sadashivnagar.

- Introduction to IOT, Introduction to Ethical Hacking, Network Security and Cloud Computing workshop for all the semester students from the Computer Science Engineering students.
- Make the students aware about various hardware and networking devices and keep them up to date about various opportunities in the field of infrastructure Management Services (IMS) and the industry requirements.
- Certified Jet Genius trainers for the conduction of Seminar/Workshop.
- Participation certificate to all the participants.
- Optional advanced training and placement for the students at subsidized course fee.
- Offering Internship programs on Networking , Security & Operating System
- Monitoring and assessment of the students for their improvement.

#### Terms and Conditions:

- The MOU / Agreement for the Institutional Alliance will be for the first time, instituted for a minimum period of 3 Years starting from the academic year 2018-2019.
- Post 3 years, the Renewal will be affected, based on mutually agreed-terms, whereby signing of an addendum to the original Agreement. The Renewal discussions will be held 3 months prior to the Agreement coming to an end with the Institutional Authorities.



*L. S. H. H. H.*  
HOD of Electronics & Communication  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.



- During the period, when the MOU / Agreement is in force, the college will not enter into agreement with any service provider, which imparts training in the same domain.
  - In the event, where either the college/institution or **Jetking Sadashivnagar** is unwilling/unable to continue with the Institutional Alliance. The same will be undertaken by giving an advance notice period of 3 (three) months, by either side in written manner.
- 8. Commercials: Rs. 600=00 (Rs. Six Hundred Only) per students for 3 days workshop. Rs 100/- will be deducted per student towards infrastructure usage for workshop**
- 9. Financial Responsibilities:**  
It is discussed that the college will collect the fees from all the students and pay it to **Jetking Sadashivnagar Learning Centre a/c MIMS either transfer OR by Cheque/DD.**

Signed:


**Name: Mr. H. A. Abdul Sajid**

**Organization: Jetking – Sadashivnagar a division of M/s. MIMS**

**Title: Director**

**Date: 01.01.2019**

*Litha.H.D*

**Name: DR. SUNITHA.H.D**

**Organization: R R Institute of Technology**

**Designation:**

**Date: 30/01/2019**

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R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chaikobanavara, Bangalore - 90.



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## Department of Electronics and Communication Engineering Association of Electronics & Communication Engineers

Date: 26/02/2019

**Chief Patron:**

**Sri Y. Raja Reddy**  
Chairman, PKMET, Bengaluru

**Patron:**

**Sri Kiran H.R.**  
Secretary, PKMET, Bengaluru

**Sri Arun H.R.**  
Director, RRIT, Bengaluru

**Sri Ramakrishna Reddy**  
Chief Executive Officer  
RRIT, Bengaluru

**Rector:**

**Dr. Manjuntha M B**  
Principal, RRIT, Bengaluru

**Chair Person**

**Dr. Sunitha H D**  
HOD, ECE, RRIT

**Chief Co-ordinator**

**Mrs. Premsagar H**  
Asst. Prof, ECE, RRIT

**Organizing Committee:**

**Prof. Parimala Gandhi G,ECE**  
**Prof. Niranjan L,ECE**  
**Prof. Mohankumar B N,ECE**  
**Prof. Jhanavi N L ,ISE**

**Advisory Board:**

All Faculty Members of ECE

**Student Committee**

**Nitushree (6<sup>th</sup> Sem,ECE)**  
**Shreyas Nadiga (6<sup>th</sup> Sem,ECE)**  
**Ashwarya Rao (6<sup>th</sup> Sem,ISE)**

HOD & Staff of the Department of Electronics and  
Communication Engineering

Cordially invite you for

### Five day Workshop

On

### “Computer Networking”

On Wednesday, 27<sup>th</sup> February 2019

@ 09:30 A.M

Venue: RRIT Seminar Hall.

**Resource Person**

**Mrs. Sunitha Aminngad**  
**Technical Manager**  
JetKing, Sadashivanagar  
Bengaluru

Will preside over the function

**Dr. Manjuntha M B**  
Principal, RRIT,  
Bengaluru

*Manjuntha M B*  
PRINCIPAL

**R.R. INSTITUTE OF TECHNOLOGY**  
Chikkabanavara, Bangalore - 560 090.

**KRAECE IN ASSOCIATION  
WITH JETKING**

IS ORGANIZING

A NATIONAL LEVEL 5-DAY WORKSHOP

ON

**COMPUTER NETWORKING**

(NE-2019)



27th Feb to 3rd March 2019

**REGISTRATION FORM**

Name :

Designation :

Organization :

Qualification :

Registration category:

Faculty/Research Scholar/PG Student/  
UG Student

Communication Details:

Mobile :

E-mail :

Date:

Signature of the Applicant

Chief Patron:

Sri Y. Raja Reddy  
Chairman, PKMET, Bengaluru  
Patron:

Sri Kiran H.R.  
Secretary, PKMET, Bengaluru  
Sri Arun H.R.  
Director, RRIT, Bengaluru  
Sri Ramakrishna Reddy  
Chief Executive Officer  
RRIT, Bengaluru  
Rector:

**Dr. Manjunath M. B.**  
Principal, RRIT, Bengaluru

Convener:

Dr. Sunitha H. D.  
Associate Professor & HOD, Dept. of ECE

Resource Person:

Jetking Sadashivanagar, Bengaluru.

Organizing Committee:

Prof. Premsagar H, Dept of ECE  
Prof. Niranjan L, Dept of ECE  
Prof. Parimaa Gandhi G, Dept of ECE  
Prof. Mohan Kumar B. N, Dept of ECE  
Prof. Jhanavi, Dept of ISE

Registration Fee: Rs 600/-

For registration and details

Please contact

The Organizing Committee

Department of ECE & ISE

R R Institute of Technology, Chikkabanavara  
Bangalore- 560090

Mobile: +919611720315, +919538823728,

+919035190425

E-mail id: premsagar196@gmail.com

niranjan.rrinstitutions@gmail.com

R R Institute of Techno  
Chikkabanavara  
Bangalore- 560090



5-Day National Level  
Workshop

On

COMPUTER NETWORKING  
IN  
ASSOCIATION WITH  
JETKING, SADASHIVANAGAR,  
BENGALURU



Organized by

RRAECE - Association Dept. of  
ECE

R R Institute of Technology,  
Chikkabanavara, Bangalore-560090

## RR INSTITUTE OF TECHNOLOGY

R R Institutions, setup with a mission of imparting education to all sections of society, was established in the year 1993 to render highest standards of academic achievement with moral and social commitments. R R Institutions spread across 27 acres with lush green gardens, for getting a peaceful and serious learning atmosphere, now ushering into Greater Bangalore, being the Head Quarter of Karnataka State, connected by air, rail and roads with all major metropolitan cities of India.

### ABOUT THE DEPARTMENT

A warm and affectionate welcome from the Department of the Electronics and Communication (E&C) Engineering at R.R Institute of Technology. Electronics engineering is a most dynamically changing and ever evolving and widening branch of the engineering. The department has a fine blend team of qualified, highly experienced faculty and committed staff members to maintain its position of leadership in engineering and technology. The department is currently offering B.Tech program, and also has well-equipped Research Centre.

### DEPARTMENT VISION

To Impart Technical Education Par Excellence and prepare Leaders to grow beyond leaps and bounds to serve the Growing Industries and Society.

### DEPARTMENT MISSION

To train the students to emerge as outstanding skilled technocrats imbued with professional ethics engineering and managerial skills with commitment to the society and nation at large.

To create center of excellence in the field of Electronics with industrial and university collaborations.

### OBJECTIVE OF WORKSHOP

The main objective of the workshop is to provide networking basics, understanding the way a network operates is the first step to understanding routing and switching. The network operates by connecting computers and peripherals using two pieces of equipment; switches and routers. Switches and routers, essential networking basics, enable the devices that are connected to your network to communicate with each other, as well as with other networks. Basic networking consists of two essential pieces of equipment: switches and routers. If you know how this hardware works, you'll have a fundamental understanding of basic networking as well. Knowing more about basic networking can help you make better decisions about the network design, services, and features.

## TOPICS TO BE COVERED & PROGRAM SCHEDULE

### **Day 1. Basics of Networking**

- What is networking?
- Types of Networks
- Usefulness of networks
- OSI Protocol description
- TCP Protocol description
- A study on various Networks.

### **Day 2. Introduction to IP**

- IPv4 Vs IPv6
- IP Addressing
- Understanding VLSM technology

### **Day 3. Introduction to Network**

- Implementation of a basic network
- What is Router?
- What is static and dynamic routing?
- What is HOP count?

### **Day 4. Introduction to Protocol**

- What is routing protocol
- Network Designing on Packet Tracer.
- Static Routing on demo networks

### **Day 5. Introduction to Protocol**

- Wireless Configuration, authentication
- Implement ESS with transmission nodes in Wireless LAN.
- Wireless Security & Mobility.



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Raja Reddy Layout, Chikkabannavara, Bengaluru - 560090

Date: 05/03/2019

### Report on Event

The Five day Workshop on "Computer Communication Networks and Application" from 27<sup>th</sup> February to 3<sup>rd</sup> March 2019. The event went as follows

#### Objective of the Workshop:-

The main objective of the workshop is to provide networking basics, understanding the way a network operates is the first step to understanding routing and switching. The network operates by connecting computers and peripherals using two pieces of equipment; switches and routers. Switches and routers, essential networking basics, enable the devices that are connected to your network to communicate with each other, as well as with other networks. Basic networking consists of two essential pieces of equipment: switches and routers. If you know how this hardware works, you'll have a fundamental understanding of basic networking as well. Knowing more about basic networking can help you make better decisions about the network design, services, and features.

The Number of Students attended:- 19 (6<sup>th</sup> semester)

#### Resource Persons:-

Mrs. Sunitha Aminngad

Technical Manager

JetKing, Sadashivanagar

*M. Lakshmi*  
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Raja Reddy Layout, Chikkabanavara, Bengaluru - 50090

Department of Electronics and Communication

Date: 05/03/2019

## Report on Event

The Five day Workshop on "Computer Networking and its Application" from 27<sup>th</sup> to February to 3<sup>rd</sup> March 2019. The event went as follows

Days		Events
Day1 (27/02/2019)	Ingauration	The Dignitaries was Welcome on the dais by Ms. Nithushree, 6 <sup>TH</sup> Sem ,ECE. Prof Parimala Gandhi ,IQAC coordinator introduced the Resource person Mrs.Sunitha Aminngad, Technical Manager JetKing, Sadashivanagar to the gathering and florally welcomed the Resource person and dignitaries on the dais. Lamp was lighted by Guest and Participants for the blessing of Almighty. The gathering was address on the significance of the workshop by Resource Person, by The Principal Dr.Manjunatha M B and Dr. Sunitha H D ,HOD,ECE. And the session was hand over to Mrs sunitha Aminngad.
	Session 1	Theory Session on Basic network concepts.
	Session 2	Handson practices IP Addressing -IPV4 & IPV6 Protocols , TCP/UDP packets verification of services HTTP, FTP,DHCP, DNS
Day2 (28/02/2019)	Session 1	Network devices Routers, Routing Algorithms, Distance Vector and link state Routing
	Session 2	Configuring RIP, OSPF, Discover SPF by Dijkstra's algorithm to compute the shortest routing path
Day 3 (01/03/2019)	Session 1	Wireless Configuration, authentication, Implement ESS with transmission nodes in Wireless LAN obtain the performace parameters
	Session 2	Wireless Security, Recap , Question & Answer, FeedBack
	Valedictory session	Token of Appreciated to the Resource Person and its team by the organizers, Vote of Thanks
Day4 (02/03/2019)	Industrial Visit (JetKing, Sadashivanagar )	
Day5 (03/03/2019)	Industrial Visit (JetKing, Sadashivanagar ) and Certifying the participant	

*Principals*  
PRINCIPAL

## PROGRAM SCHEDULE:-

Day	Date	Time	Topic Covered
Day 1	27-2-19	9:20-9:45Am	Inauguration
		09.45	Basic network concepts. Building Point to point & Multipoint Toplogy
		11:15	Tea Break
		11:30	Network Standards by OSI, Application, Transport & Network layer
		1:00	LunchBreak
		01.45	IP Addressing -IPV4 & IPV6
		03.00	Tea Break
		03.15-04.30	Protocols , TCP/UDP packets verification of services HTTP, FTP,DHCP, DNS
Day 2	28-2-19	09.30	Network devices Routers, Routing Algorithms
		11.15	Tea Break
		11.30	Distance Vector and link state Routing
		01:00	Lunch Break
		01.40	Configuring RIP, OSPF
		03.00	Tea Break
		03.15-04.30	Discover SPF by Dijkstra's algorithm to compute the shortest routing path.
Day 3	1/3/2019	09.30	Wireless Configuration, authentication
		11.15	Tea Break
		11.30	Implement ESS with transmission nodes in Wireless LAN obtain the performace parameters.
		01:00	LunchBreak
		01.40	Wireless Security
		03.00	Tea Break
		03.15-04.15	Recap , Question & Answer, FeedBack
		04:15	Valedictory session
Day 4	2/3/2019	10-2pm	Industry Visit to Jetking Sadashivnagar Study of Data Center
Day 5	3/3/2019	10-2pm	Industry Visit to Jetking Sadashivnagar Study of Data Center

*M. S. S.*  
PRINCIPAL

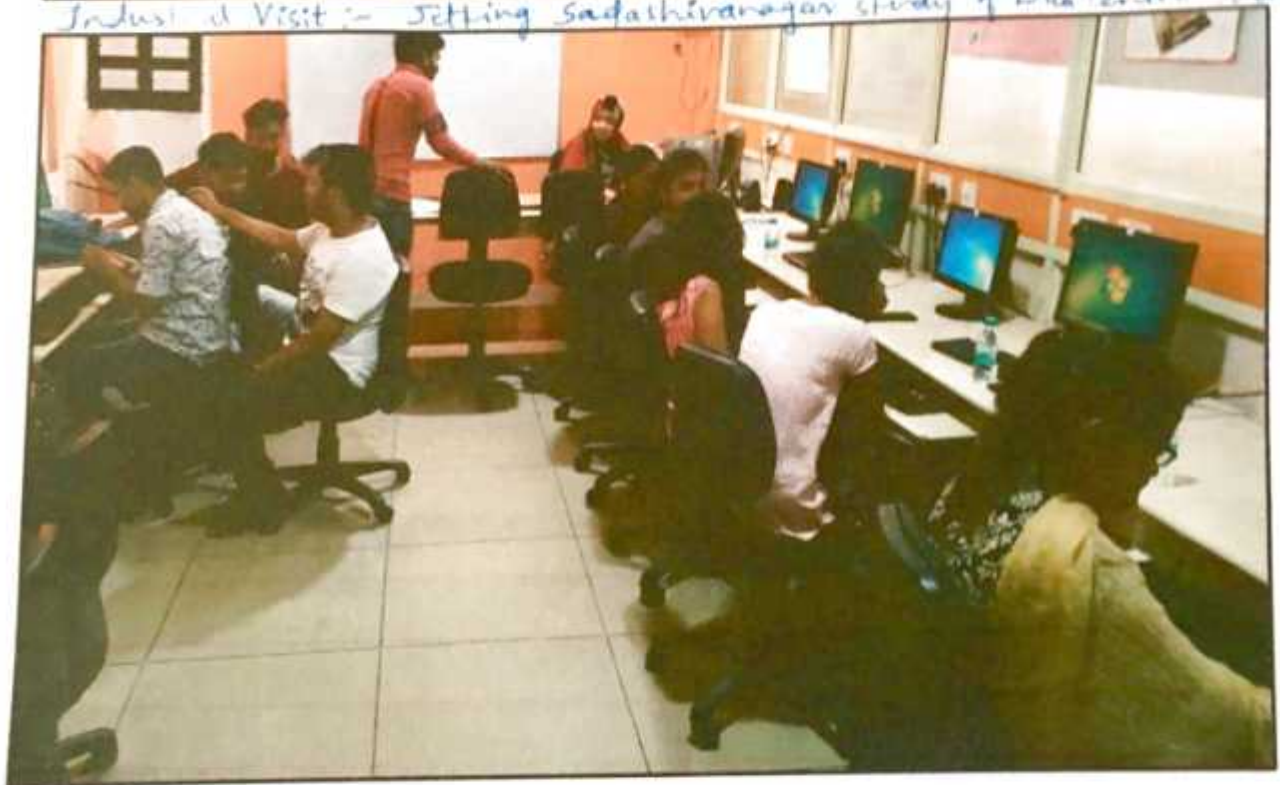
Photo Gallery >







Industry Visit :- Setting Sadashivanagar study of Data Centre - Bangalore



Report prepared by:-

1. Prof. Prem Sagar H  
DEPT of ECE.  
Chief- Coordinator
2. Prof. Mohan Kumar BN  
DEPT of ECE  
Co-ordinator

*P. R.*  
HOD

HOD of Electronics & Communication  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bangalore - 90.

*M. R. S.*  
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Department of Electronics and Communication & Engineering

## 5 days Workshop on Computer Networking (ECE) Attendance Register

Sl No	USN	Names	Day 1 27/02/2019		Day 2 28/02/2019		Day 3 01/03/2019		Day 4 02/03/2019	
			Morning Session	afternoon Session	Morning Session	Afternoon Session	Morning Session	Afternoon Session	Morning Session	Afternoon Session
1	IRI14EC025	Lavanya E	Lavanya	- AB -	Lavanya	Lavanya	Lavanya	Lavanya	- AB -	- AB -
2	IRI14EC037	Nayana K	Nayana	- AB -	Nayana	Nayana	- AB -	AB	- AB -	- AB -
3	IRI14EC053	Shivakumar N	Shivakumar	- AB -	- AB -	- AB -	Shivakumar	Shivakumar	- AB -	- AB -
4	IRI15EC021	Likitha Prakash K	Likitha	Likitha	Likitha	Likitha	Likitha	Likitha	Likitha	Likitha
5	IRI15EC029	Padmavathi	Padmavathi	Padmavathi	Padmavathi	- AB -	Padmavathi	Padmavathi	Padmavathi	padmavathi
6	IRI15EC032	Rajesh M	Rajesh	- AB -	- AB -	- AB -	Rajesh	Rajesh	- AB -	- AB -
7	IRI15EC038	Rashmitha HR	Rashmitha	Rashmitha	Rashmitha	Rashmitha	Rashmitha	Rashmitha	Rashmitha	Rashmitha
8	IRI16EC001	Anushree S	Anushree	Anushree	Anushree	Anushree	Anushree	Anushree	Anushree	Anushree
9	IRI16EC002	Aravindh A D	Aravindh	Aravindh	Aravindh	Aravindh	Aravindh	Aravindh	Aravindh	Aravindh

Melash  
PRINCIPAL

10	1RI16EC004	Bhanuprakasha S	<u>Bhanu</u>	<u>Bhanu</u>	<u>Bhanu</u>	<u>Bhanu</u>	<u>Bhanu</u>	<u>Bhanu</u>	<u>Bhanu</u>
11	1RI16EC015	Kushal S P	<u>Kushal</u>	<u>Kushal</u>	<u>Kushal</u>	<u>Kushal</u>	<u>Kushal</u>	<u>Kushal</u>	<u>Kushal</u>
12	1RI16EC019	Nithushree J	<u>Nithushree J</u>	<u>Nithushree J</u>	<u>Nithushree J</u>	<u>Nithushree J</u>	<u>Nithushree J</u>	<u>Nithushree J</u>	<u>Nithushree J</u>
13	1RI16EC021	Pranathi V	<u>Pranathi V</u>	<u>Pranathi V</u>	<u>Pranathi V</u>	<u>Pranathi V</u>	<u>Pranathi V</u>	<u>Pranathi V</u>	<u>Pranathi V</u>
14	1RI16EC024	Rajesh D	<u>Rajesh D</u>	<u>Rajesh D</u>	<u>Rajesh D</u>	<u>Rajesh D</u>	<u>Rajesh D</u>	<u>Rajesh D</u>	<u>Rajesh D</u>
15	1RI16EC025	Shreyas Nadig S	<u>Shreyas</u>	<u>Shreyas</u>	<u>Shreyas</u>	<u>Shreyas</u>	<u>Shreyas</u>	<u>Shreyas</u>	<u>Shreyas</u>
16	1RI16EC027	Supritha .B Koti	<u>Supritha</u>	<u>Supritha</u>	<u>Supritha</u>	<u>Supritha</u>	<u>Supritha</u>	<u>Supritha</u>	<u>Supritha</u>
17	1RI16EC032	Yashaswini D	<u>Yashaswini</u>	<u>Yashaswini</u>	<u>Yashaswini</u>	<u>Yashaswini</u>	<u>Yashaswini</u>	<u>Yashaswini</u>	<u>Yashaswini</u>
18	1RI16EC036	Ramya Shree N	<u>Ramya N</u>	<u>Ramya N</u>	<u>Ramya N</u>	<u>Ramya N</u>	<u>Ramya N</u>	<u>Ramya N</u>	<u>Ramya N</u>
19	1RI16EC402	Pradeep BM	<u>Pradeep</u>	-AB-	-AB-	-AB-	<u>Pradeep</u>	<u>Pradeep</u>	-B

[Signature]  
Coordinator Signatures

[Signature]  
HOD Signatures

[Signature]  
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Chikkabavenara, Bangalore - 560 090.



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Raja Reddy Layout, Heseraghatta Main Road, Chikbanavara, Bengaluru-90.



## Jetking

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### Department of Electronics & Communication

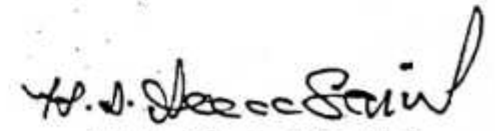
## CERTIFICATE OF PARTICIPATION



This is to certify that Mr/Ms. ARAVINDH. A. D.  
has successfully completed the five day workshop on "Computer Communication Networks and Application" conducted by Department of Electronics & Communication in Association with Jetking Sadashivnagar from 27<sup>th</sup> February to 3<sup>rd</sup> March' 2019 at R R Institute of Technology, Bengaluru-560090

  
Dr. Sunitha H D  
HOD  
Department of ECE

  
Dr. Manjunatha M B  
PRINCIPAL  
R R Institute of Technology

  
H A Abdul Sajid  
Center Director  
Jetking Sadashivnagar

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) entered on the 7<sup>th</sup> June 2018

By and Between

**LIVEWIRE, Basaveshwaranagar, Bangalore** having its office at #28, HIG, 2<sup>nd</sup> Floor, N. V Arcade, 1<sup>st</sup> Cross, 2<sup>nd</sup> Stage, KHB Colony, Havanur Circle, Basaveshwaranagar, Bangalore – 560 079 (hereinafter referred as “LIVEWIRE” for the sake of brevity) and represented by its **Business Head, Mr Ameet Gogi** (which expression shall mean and include its successors in office and assigns)

and

**R R Institute of Technology** (hereinafter referred as “College” for the sake of brevity), is approved by All India Council for Technical Education (AICTE) Govt. of India and an affiliated to Visvesvaraya Technological University having its campus at Raja Reddy Layout, Heseraghatta Main Road, Chikkabanavara, Bengaluru, Karnataka 560090 and represented by its **Principal** (which expression shall mean and include its successors in office and assigns)

### **Objectives of the Collaboration:**

1. To provide employable skills to the student during their course at the college.
2. Make the student aware of the latest tools and techniques at an affordable fee in order to keep them *industry ready* at the end of their course.
3. Maximize placement opportunities for students from all the courses.
4. To build the confidence level of the student to face the challenges of the real time.

This Memorandum of Understanding is to conduct a **Unique, Systematic and Employable Skills Development Program and Internship** for the students of the college towards achieving the objective of maximizing the employable opportunities for students of the College.

This Memorandum of Understanding states the terms and conditions under which the **Trainings** shall be conducted by LIVEWIRE at the College premises and lists herein the respective responsibilities of both parties.



*M. Lakshmi*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

**PREAMBLE:**

For a student to be recruited by a good company, over and above the subject knowledge, he/she is expected to have the following:

1. Strong Fundamental Engineering Knowledge
2. Engineering related Multiple Technical Skills - Develop skills that add value.
3. Communication & other Soft Skills

While Subject Knowledge would be provided by the college, LIVEWIRE will equip the students with required industry specific technical, project management and people skills.

On one hand, thousands of unemployed Engineering graduates are not finding suitable jobs, while on the other hand, Industry requires millions of young minds at all levels but are unable to find the right candidates. This is because of the skill gap that exists between academic institutions and industry requirements. This skill gap is sought to be minimized for the students of the "College" by facilitating them to acquire the appropriate and relevant skills at the college itself.

Through this collaboration, LIVEWIRE will prepare the students of the "College" to be ready for industry by the time they enter the final semester and for this the students have to be nurtured and trained in different areas from the very beginning. Keeping in mind the academic program and the progressive skill development cycle in mind, the programs are spread across their semesters.

**LIVEWIRE Shall Provide**

- The required trainers for the course and the training program would be instructor led.
- Comprehensive LIVEWIRE reference books to all students for each course as part of the course.
- Periodical assessment on the progress of students for their further improvements.
- The 'Certificate of Completion' to every student who successfully completes the training program every semester.



- "Certificate of Association" from LIVEWIRE to the college
- Provide Permission to use LIVEWIRE logo as the Skill Development Partner
- Organize Campus and Off-Campus interviews for the final year students based on the requirements for LIVEWIRE and its clients
- Welcome College to use LIVEWIRE, strategically based on the need

**The College Shall Provide**

- The required number of computer systems in the lab and other required infrastructure for the practice and its maintenance.
- The Class rooms with LCD projector for the theory classes.
- The Schedule with the classes for this training during normal hours of the college.
- The supports to ensure, all students in a class, attend the training programs scheduled for them.
- Disciplinary support for the smooth conduct and timely completion of the entire course.

**PARTICIPANTS:**

The participants would be of B.E Electronics and Communication branch students.

**COURSE CONTENTS**

LIVEWIRE in consultation with the College shall finalize the course contents for the skills development program.

**TIME SCHEDULE**

The program(s) will be conducted during the college working hours. The students will be divided into batches, depending on the total strength based on requirements.

*Mahesh*  
PRINCIPAL

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**LINK OFFICER**

The Principal of the College shall appoint a Link Officer from each department for the duration of the program, who shall liaise with LIVEWIRE and make the training process learner-friendly and effective. LIVEWIRE shall work in close relationship with the Link Officer, who in-turn shall keep a close touch with the students. In the event of any difference of opinion between LIVEWIRE and the Link Officer, the matter should be referred to the **Principal of the College**, whose decision thereon shall be final and binding on both the parties.

**COURSE FEES & PAYMENT PATTERN**

The course fee per student for each course offered is decided and mutually agreed upon by both the parties. The College shall collect the course fee from the students and pay to LIVEWIRE.

**VALIDITY**

This Memorandum of Understanding shall come into effect from 7<sup>th</sup> June 2018 to 6<sup>th</sup> June 2021

**Forwarded from department of Electronics and Communication to Principal**

For: R R Institute of Technology

For: R R Institute of Technology

For: LIVEWIRE

Name: *Dr. M. B. Marjunde*

Name: *Dr. M. B. Marjunde*

Name: *Ameet Gogi*

Designation: **Principal**

Designation: **HOD**

Designation: **Business Head**

Date: *7/6/18*

Date:

Date: *07/06/2018*

*M. B. Marjunde*  
PRINCIPAL

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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Electronics and Communication & Engineering

17/09/2019

**Chief Patron:**

**Sri Y. Raja Reddy**  
Chairman, PKMET,  
Bengaluru

**Patron:**

**Sri Kiran H.R.**  
Secretary, PKMET,  
Bengaluru

**Sri Arun H.R.**

Director, RRIT, Bengaluru

**Sri Ramakrishna Reddy**

Chief Executive Officer  
RRIT, Bengaluru

**Rector:**

Dr. Srinivas G Bhat  
Principal, RRIT, Bengaluru

**Convener:**

**Dr. Sunitha H D**  
HOD, ECE, RRIT

**Chief Co-ordinators**

**Mr. B N Mohan Kumar**

Asst. Prof, ECE, RRIT

**Mrs. Sumanda C V**

Asst. Prof, EEE, RRIT

**Mr. Chandrakumar H S**

Asst. Prof, ECE, RRIT

**Student Co-ordinators**

**Pradeep B M (7<sup>th</sup> sem)**

**Shivakumar N (7<sup>th</sup> sem)**

**Umesh Gowda Patil (5<sup>th</sup> sem)**

**Nayana D (7<sup>th</sup> sem)**

**Lavanya E (7<sup>th</sup> sem)**

**Greeshma V (5<sup>th</sup> sem)**

**Sushma V (5<sup>th</sup> sem)**

**Abhishhek Gowda (3<sup>rd</sup> sem)**

**Sai Prashanth (3<sup>rd</sup> sem)**

## INVITATION

3 Days Workshop on

### **“PIC Microcontroller”**

**In association with LIVE WIRE, Bangalore**

From

Thursday 19<sup>th</sup> to 21<sup>st</sup> September 2019

At 9.30 A.M

Venue: RRIT CAED Lab

**Jointly organized by the Department of ECE and EEE**

### Resource Person

**Mr. Vinay Sathyanarayana**

Senior Architect, Dell Technologies, Bangalore

### Internal Resource Person

**Mr. Niranjana . L**

Assistant Professor, Department of ECE

**Dr. Srinivas G Bhat**

Principal, RRIT

Bengaluru

**Will preside over the function**

**All are invited**

HOD & Staff

Department of ECE & EEE

*M. S. Srinivas*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Electronics and Communication & Engineering

23/09/2019

### Report on Workshop

ERICA-The department of Electronics and Communication association and Electrical and Electronics Engineering jointly organized a Three day Workshop on "PIC Microcontroller" in association with LIVEWIRE from 19<sup>th</sup> to 21<sup>st</sup> September for the final and pre-final year students.

**Objective:** The main objective of the workshop is to motivate the students to use advanced simulator to simulate the basic circuits to advanced controllers in real time and see its output with respect to the design values. It helps them to design circuits for their final year projects and some hobby circuits without using real components. They will also learn to program the controller using c language in MPLAB and see the results using PROTEUS Design Tool.

**External Resource Person:** Mr. Vinay Sathyanarayana, Senior Architect, Dell Technologies, Bangalore. (CV enclosed with the report)

**Internal Resource Person:** Mr. Niranjana L, Assistant Professor, ECE Department, RRIT, Bangalore. (CV enclosed with the report)

**Outcome:** The students will be able to design their own circuits whatever they have learnt from first year to till date. They will be able see the 3D object of the circuit which they have design in PROTEUS Design Tool.

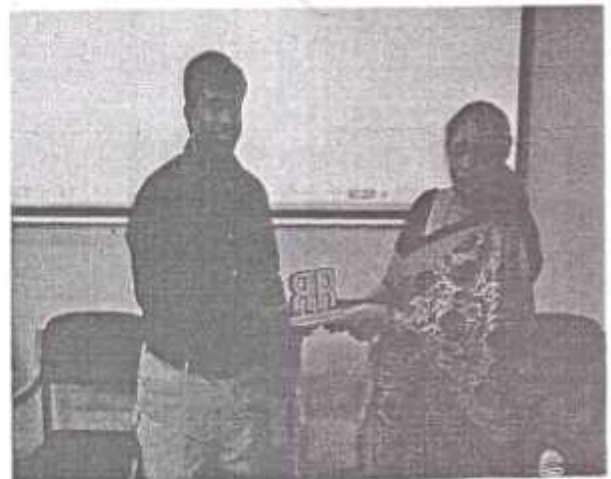
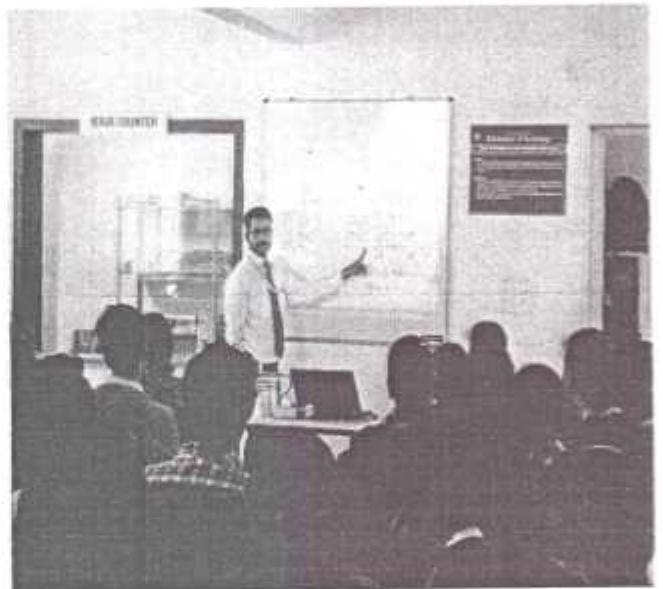
Total Students Attended

ECE-58

EEE-13

*M. Lalitha*  
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.



Report Prepared By:

Prof. B N Mohan Kumar *B.N.MohanKumar*  
 Prof. Chandrakumar H S *CHS*

*R.itha.H.D*  
*30/9/19*

**HOD of Electronics & Communication**  
**R.R. Institute of Technology**  
 Hesaraghatta Main Road,  
 Chaikabanavara, Bangalore - 56

*Malah*  
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**Department of Electronics & Communication Engineering**

Workshop on "PIC Microcontroller using MP-Lab & Proteus Design Tool"

In association with  
**SiliconShelf™** SiliconShelf Electronic Systems & **LIVEWIRE** FOR LIVE CAREERS

## Certificate of Participation

This is to certify that Mr./Ms. \_\_\_\_\_ has attended the workshop on "PIC Microcontroller using MP-Lab & Proteus Design Tool" held from 19<sup>th</sup> to 21<sup>st</sup> of September 2019, at RRIT, Bengaluru.

*M. Lakshmi*

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore - 560 090.

Chief Coordinator

HOD

Principal

Registration for PIC Microcontroller workshop on 19<sup>th</sup> -21<sup>st</sup> September 2019 For EEE

Date:19-09-

SL.No	USN	Names	Semester	Mobile No	Email ID	Signature
1	IRI16EE009	Misbah Falak. M	V	7829598406	misbahmfalak@gmail.com	Misbah
2	IRI16EE0016	Shifa Noor. A	V	9606251353	Shifanoor1998@gmail.com	Shifa
3	IRI17EE002	Bidhya Chhetri	V	8167478902	BidhyaChhetri607@gmail.com	Bidhya
4	IRI17EE013	Sikindva K. Thakur	V	7892370195	sikindvasharma12@gmail.com	Sikindva
5	IRI17EE016	Vikash Kumar sah	V	6361255930	sahvikash603@gmail.com	Vikash
6	IRI17EE001	Arun prasad yadav	V	7059313292	arunyadav65950@gmail.com	Arun
7	IRI17EE011	Sandeep Pandey	V	7352499454	sandyp18vidya@gmail.com	Sandeep
8	IRI17EE004	Rishi G. N	V	9449031499	rishi.g.n.14041987@gmail.com	Rishi
9	IRI17EE003	Deepthi Thapa	V	8105791229	deepthithapa629@gmail.com	Deepthi
10	IRI17EE007	Pastik Choudhary	V	7338689267	Pastik.choudhary10@gmail.com	Pastik
11	IRI17EE006	Hemanjali R	V	9686126296	HemanjaliRanji1999@gmail.com	Hemanjali
12	IRI17EE010	Ruchithash	V	8105997275	ruchithashivara04@gmail.com	Ruchithash
13	IRI16EE006	Ruchitha V.S	V	7624945896	ruchitha.shankar@gmail.com	Ruchitha
14						
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Department of Electronics &amp; Communication Engineering

Registration for PIC Microcontroller workshop on 19<sup>th</sup> -21<sup>st</sup> September 2019 for ECE

SL.No	USN	Names	Semester	Mobile No	Email ID
1	IRI15EC043	Shruthi A.S	V	77406145633	shruthibalur2114@gmail.com
2	IRI15EC035	Ramya.B	V	9108910089	ramyavathala89@gmail.com
3	IRI18EC001	Alangin Badsha	V	7076091242	alanginbbbb000@gmail
4	IRI12EC014	Mohit Kumar Singh	V	7277027314	007rajmohit@gmail.com
5	IRI16EC012	Joy Brown	V	8206201308	mzjoybrownkkr2@gmail.com
6	IRI17EC006	Amrendra Tripathi	V	0148080964	amrendratipathi2019@gmail.com
7	IRI16EC013	Keerthi S.S	V	05809591815934	Keerthis2156@gmail.com
8	IRI16EC015	KUSHAL.S.P	VII	6362113442	spkushal1898@gmail.com
9	IRI16EC005	Ullas H.S	V	9901840092	ullas5211724@gmail.com
10	IRI15EC017	KISHORE'S	V	9739595232	kishoreay472@gmail.com
11	IRI17EC003	Ajay KS	VI	7338101238	ajayscint11048@gmail.com
12	IRI16EC008	Aaravindh .A.D.	VII	9490015849	aaravindhreddy54@gmail.com
13	IRI17EC001	Adarsh MP	V	8971834307	adarshjohar123@gmail.com
14	IRI17EC029	D. Rahul	V	7353416381	Rahulgowda872@gmail.com
15	IRI17EC009	Bharath.V	V	8799135551	bharathv2820@gmail.com
16	IRI17EC005	Amith.M.Y	V	9148670601	Amithkumaray1999@gmail.com
17	IRI17EC013	Mary Thomas-T	V	9148207597	marydominic91148@gmail.com
18	IRI17EC002	Aishwarya.S	V	8884324190	aishwaryacaultha99@gmail.com
19	IRI18EC405	Sushma.S.B	V	8660074994	sbsushma31@gmail.com
20	IRI17EC022	Shankamma pabli	V	7337625063	shankamma.pabli93@gmail.com
21	IRI16EC035	Sushmitha.SR	V	9380308435	Sushmitha.8x1998@gmail.com
22	IRI16EC031	Yashaswini.G	V	7795677767	yashugraju0518@gmail.com

M. Lakshmi

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24	IR16EC008	Chithra.C	V	9620654968	chithrabainanna88@gmail.com
25	IR16EC017	Monika.H	V	9389702104	imonikah85@gmail.com
26	IR16EC028	Sushma.V	V	8884815998	sushma16698@gmail.com
27	IR16EC021	Bramathi.V	VII	7204435939	pranathi.v21@gmail.com
28	IR16EC019	Nithushree.S	VII	9921453650	nithushreedh005@gmail.com
29	IR16EC036	RamyaShree.N	VII	7401820047	ramyashreecn03998@gmail.com
30	IR16EC001	Aishwarya.S	VI	9972016586	aishwarya4feb@gmail.com
31	IR16EC027	Supreetha.B.Kate	VII	7348895998	supreethabkoti@gmail.com
32	IR16EC020	Pooja.R	VII	9036188574	poojapooji77@gmail.com
33	IR16EC004	Bhanuprakash.S	VII	7259845668	bhanuprakashprakash@gmail.com
34	IR16EC024	Rajesh.D	VII	7892420895	rajeshd0199@gmail.com
35	IR15EC029	PadmaMarathi.S	VII	9886345608	Padmaashutosh@gmail.com
36	IR15EC021	LikithaPrakash.K	VII	9620713295	likithaPrakash19@gmail.com
37	IR15EC038	Rashmitha.H.R	VII	9738401021	rashmitha3330@gmail.com
38	IR16EC018	Nandeesh.Reddy	V	7337663113	nandeeshreddy66@gmail.com
39	IR16EC005	S.Shreyas.Nadig	VII	9166765078	shreyasnadig@gmail.com
40	IR16EC032	Yeshaswini.D	VII	8880544266	yeshaswinidewraj@gmail.com
41	IR16EC037	Nayana.K	7th sem	7338016692	nayanatatrathona@gmail.com
42	IR16EC025	Laxminarayana.F	7th sem	7996480211	laxminarayana1997@gmail.com
43	IR16EC402	Pradeep B.M	7th sem	9972555734	pradeepshetty1265@gmail.com
44	IR16EC053	Shruti Kumari.N	7th sem	8073688652	shrutik1299@gmail.com
45	IR17EC044	Siddesh.T.B.M.	7th sem	6360155438	Siddeshbhm97@gmail.com
46	IR17EC039	Rajesh.M	7th sem	8496793069	Rajeshk0955@gmail.com
47	IR17EC406	Umeshgouda.v.palil	5th sem	8884629756	Praneshyananud@gmail.com
48	IR17EC400	Sunil Kumar.P	5th sem	9902458280	sunilrajbalakrishna@gmail.com
49	IR17EC021	Samadrita Roy	5th sem	9051169117	samadrita.roy.chandhury180@gmail.com
50	IR17EC015	Pallavi.M.R	5th sem	9538993498	pallavisapriya@gmail.com
51	IR17EC026	Vakha.A.Bihadar	5th sem	7019655591	Vakha.A.Bihadar1999@gmail.com
52	IR17EC403	Anusha.K	5th sem	7975943507	Kodavarjanushareddy02@gmail.com
53	IR17EC008	Asha.L	5th sem	7899794001	ashal09334@gmail.com
54	IR17EC011	GREESHMA.V.	5th sem	9606587344	greeshma221998@gmail.com
55	IR17EC007	Anuradha Lakra	5th sem	9113707714	Anuradhakakra9@gmail.com
56	IR17EC017	Prabha.K	5th sem	7975942036	Prabhakreddy55@gmail.com
57	IR17EC025	VANI.K	5th sem	8431437788	VaniK1999@gmail.com
58	IR17EC023	Sowmya.G.R	5th sem	8088052030	sowmya.gro1@gmail.com
59	+	<del>Manjushree</del>	5th sem		
60	IR17EC022	Likitha.A	7th sem	9742244327	likitha16121@gmail.com
	IR17EC018	PRIVANKA.N.S.	5th sem	9916052730	privyankashindagi@gmail.com



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Department of Electronics and Communication Engg.

## Attendance For Workshop On PIC Microcontroller

Sl.No	USN	Names	Sem	19.09.2019	19.09.2019	20.09.2019
				Session 1 9.30AM-1.00PM	Session 2 1:30PM-4.30PM	Session 1 9.30AM-1.00PM
1	IRI17EC023	Saanya G.R	V <sup>th</sup>	Saanya G.R	Saanya G.R	(A)
2	IRI17EC025	Vani K	V <sup>th</sup>	Vani K	Vani K	Vani K
3	IRI17EC013	Mary	V <sup>th</sup>	Mary	Mary	Mary
4	IRI18EC405	Sushmal S.B	V <sup>th</sup>	Sushmal S.B	Sushmal S.B	Sushmal S.B
5	IRI17EC017	Prabha K	V <sup>th</sup>	Prabha K	Prabha K	Prabha K
6	IRI17EC007	Anuradha Laksh	V <sup>th</sup>	Anuradha Laksh	Anuradha Laksh	Anuradha Laksh
7	IRI17EC002	Ashwini S	V <sup>th</sup>	Ashwini S	Ashwini S	Ashwini S
8	IRI16EC035	Sushmita SR	V <sup>th</sup>	Sushmita SR	Sushmita SR	Sushmita SR
9	IRI16EC010	Divya K.H	V <sup>th</sup>	Divya K.H	Divya K.H	Divya K.H
10	IRI16EC031	YASHASWINI G	V <sup>th</sup>	Yashaswini G	Yashaswini G	Yashaswini G
11	IRI18EC403	Anusha K	V <sup>th</sup>	Anusha K	Anusha K	Anusha K
12	IRI17EC008	Asha L	V <sup>th</sup>	Asha L	Asha L	Asha L
13	IRI17EC022	Shankamma	V <sup>th</sup>	Shankamma	Shankamma	Shankamma
14	IRI17EC011	Greenma V	V <sup>th</sup>	Greenma V	Greenma V	Greenma V
15	IRI16EC406	Umestgouda v.paw	V <sup>th</sup>	Umestgouda v.paw	Umestgouda v.paw	Umestgouda v.paw
16	IRI15EC017	KISHORE S	V <sup>th</sup>	Kishore S	Kishore S	Kishore S
17	IRI16EC405	Ullas S.S	V <sup>th</sup>	Ullas S.S	Ullas S.S	Ullas S.S
18	IRI16EC009	Ashwini A.D.	V <sup>th</sup>	Ashwini A.D.	Ashwini A.D.	Ashwini A.D.
19	IRI16EC013	Keertni S.S	V <sup>th</sup>	Keertni S.S	Keertni S.S	Keertni S.S
20	IRI16EC015	KUSHAL S.P	V <sup>th</sup>	Kushal S.P	Kushal S.P	Kushal S.P
21	IRI16EC012	Joy Bhowmik	V <sup>th</sup>	Joy Bhowmik	Joy Bhowmik	Joy Bhowmik
22	IRI17EC006	Amerdra Tipathi	V <sup>th</sup>	Amerdra Tipathi	Amerdra Tipathi	Amerdra Tipathi
23	IRI17EC014	Mohit Kumar Singh	V <sup>th</sup>	Mohit Kumar Singh	Mohit Kumar Singh	Mohit Kumar Singh
24	IRI17EC001	Adarsha MP	V <sup>th</sup>	Adarsha MP	Adarsha MP	Adarsha MP
25	IRI17EC003	Ajay KS	V <sup>th</sup>	Ajay KS	Ajay KS	Ajay KS
26	IRI17EC029	D. RAHUL	V <sup>th</sup>	D. RAHUL	D. RAHUL	D. RAHUL



27	IR118EC401	Alansir Badsha	V	<del>Alansir</del>	<del>Alansir</del>	<del>Alansir</del>
28	IR116EC019	Nithushree J	VII	<del>Nithushree</del>	<del>Nithushree</del>	<del>Nithushree</del>
29	IR116EC028	Sushma V	V	<del>Sushma</del>	<del>Sushma</del>	<del>Sushma</del>
30	IR116EC021	Pranathi	VII	<del>Pranathi</del>	<del>Pranathi</del>	<del>Pranathi</del>
31	IR116EC036	Ramya Shree N	VII	<del>Ramya</del>	<del>Ramya</del>	<del>Ramya</del>
32	IR116EC001	Arushree S	VII	<del>Arushree</del>	<del>Arushree</del>	<del>Arushree</del>
33	IR116EC032	Yeshaswini S	VII	<del>Yeshaswini</del>	<del>Yeshaswini</del>	<del>Yeshaswini</del>
34	IR116EC027	Supreetha B. Koles	VII	<del>Supreetha</del>	<del>Supreetha</del>	<del>Supreetha</del>
35	IR116EC020	Pooja R	VII	<del>Pooja</del>	<del>Pooja</del>	<del>Pooja</del>
36	IR115EC021	Lekha Prakash	VII	<del>Lekha</del>	<del>Lekha</del>	<del>Lekha</del>
37	IR115EC038	Shashmita R	VII	<del>Shashmita</del>	<del>Shashmita</del>	<del>Shashmita</del>
38	IR115EC029	Padmavathi S	VII	<del>Padma</del>	<del>Padma</del>	<del>Padma</del>
39	IR216EM09	Pradeep B M	7th	<del>Pradeep</del>	<del>Pradeep</del>	<del>Pradeep</del>
40	IR114EC025	Kaveneer S	7th	<del>Kaveneer</del>	<del>Kaveneer</del>	<del>Kaveneer</del>
41	IR114EC037	Navanidhi	7th	<del>Navanidhi</del>	<del>Navanidhi</del>	<del>Navanidhi</del>
42	IR114EC053	Shikhar K	7th	<del>Shikhar</del>	<del>Shikhar</del>	<del>Shikhar</del>
43	IR115EC032	Rajesh M	7th	<del>Rajesh</del>	<del>Rajesh</del>	<del>Rajesh</del>
44	IR115EC044	Siddesh T.B.M	7th	<del>Siddesh</del>	<del>Siddesh</del>	<del>Siddesh</del>
45	IR115EC022	Lekha A	VII	<del>Lekha</del>	<del>Lekha</del>	<del>Lekha</del>
46	IR112EC400	Sunil Dhanu R	5th	<del>Sunil</del>	<del>Sunil</del>	<del>Sunil</del>
47	IR117EC016	PALLAVI M R	5th	<del>Pallavi</del>	<del>Pallavi</del>	<del>Pallavi</del>
48	IR117EC021	Samadrita Roy	5th	<del>Samadrita</del>	<del>Samadrita</del>	<del>Samadrita</del>
49	IR117EC026	Vanya Bihadai	5th	<del>Vanya</del>	<del>Vanya</del>	<del>Vanya</del>
50	IR117EC018	Prinanka N S	5th	<del>Prinanka</del>	<del>Prinanka</del>	<del>Prinanka</del>
51	IR116EC008	Chithra C	5th	<del>Chithra</del>	<del>Chithra</del>	<del>Chithra</del>
52	IR116EC017	Monika H	5th	<del>Monika</del>	<del>Monika</del>	<del>Monika</del>
53	IR115EC035	Ramya B	5th	<del>Ramya</del>	<del>Ramya</del>	<del>Ramya</del>
54	IR115EC043	Shradha S	5th	<del>Shradha</del>	<del>Shradha</del>	<del>Shradha</del>
55	IR116EC024	Rajali D	7th	<del>Rajali</del>	<del>Rajali</del>	<del>Rajali</del>
56	IR116EC004	Bhanupratap S	7th	<del>Bhanu</del>	<del>Bhanu</del>	<del>Bhanu</del>
57	IR116EC012	Nandesh Reddy	5th	<del>Nandesh</del>	<del>Nandesh</del>	<del>Nandesh</del>
58	IR116EC025	S. Shreya Nade	7th	<del>S. Shreya</del>	<del>S. Shreya</del>	<del>S. Shreya</del>
59	IR116EC015	PALLAVI M R	5th	<del>Pallavi</del>	<del>Pallavi</del>	<del>Pallavi</del>
60	IR116EC028	Prinanka				
61						
62						
63						

## MEMORANDUM OF UNDERSTANDING / AGREEMENT

This Memorandum of Understanding is made on this day, the --- August 2020 between First party, RR Institute of Technology Raja Reddy Layout, Heseraghatta Main Road, Chikkabanavara Bangalore – 560090 and Second party, Millennials Training (Genesis Training) ,#8B, Vandana Arcade, 27<sup>th</sup> Cross, 4<sup>th</sup> Block ,Jayanagar ,Bangalore -11. Genesis Training is the brand name of Millennials Training, here after in the second party (Millennials Training) will be refered as Genesis Training in this document.

### THE RRIT & GENESIS TRAINING AGREE AS FOLLOWS:

Genesis Training has to provide Online Live Training (Aptitude, Verbal, Soft Skills & Technical) to 3<sup>rd</sup> year BE Students in E&CE and E&EE branch of RR Institute of Technology for the academic year 2020-21

### Online Live training Modules to be delivered:

Sl No	Domain	Number of Hours
1	Quantitative Aptitude	12
2	Logical Reasoning	6
3	Verbal Ability	8
4	Soft Skills	4
5	Technical	20
<b>Total</b>		<b>50</b>

**No. of hours of Training:** 50 Hours of Live training

**Training Starts from:** To be confirmed by the college authorities

### **Technical Training:**

Data structures (5 hrs) and C programming (15hrs)



L. the H.D  
12/8/20

### Conditions for Payment towards short term training program:

*Mahesh*  
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Chikkabanavara, Bangalore - 560 090.

**Note: No advancement payment**

- First 50% should be released after 16hrs of training
- Remaining 50% should be released at the end of training.

**Payment:**

RRIT Management has agreed to provide Genesis Training the following payments for online trainings.

- INR 2500/- (Rupee two thousand five hundred only) per student for 50 hours of online/offline live training.

**Rules & Regulations to be followed by Genesis Training:**

- Profile of Trainers must be shared in the beginning of the training.
- Details of modules must be shared well in advance with Dept. of Electronics & Communication.
- Meetings are mandatory with the HOD of the Department of ECE of the college before and after the training sessions.
- Feedback to be given on every day basis.
- Study material (Soft copy) to be given on every topic of Aptitude, Verbal, Non Verbal & Technical to all the students.
- Weak students to be identified and extra sessions to be held for such students.
- Trainers are responsible for the smooth and proper implementation of the training
- Assessments (Offline and online) to be conducted on regular basis. The report of assessment to be submitted to the HOD of the Department of ECE.
- Any trainer not meeting the expectations of the HOD of the Department of ECE to be replaced immediately.
- Post training report to be furnished on daily basis.



*M. Lakshmi*  
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Chikkabavenara, Bangalore - 560 090.

*L. The. H.D*  
12/08/2020

## Contact Point / Communication & Notification

For the purpose of communication or notices with respect to this MOU, RRIT shall be represented by Dr Sunitha HD , Prof & HOD Dept of E&CE And Genesis Training by Mr.Varun Gowda, Vice President , Genesis Training.

All Communications shall be between the above representatives.

## Breach of Agreement

RRIT has the right to terminate the agreement with the Genesis Training, in case the Genesis Training either fails to provide the services satisfactorily or violates any of the clauses mentioned in the MOU, or exploits the students or misuses the partnership with RRIT in any way.

## Amendment to the Agreement

The obligation of the RRIT and Genesis Training has been outlined in this agreement. However, during the operation of the agreement, circumstances may arise which call for alteration or modifications of this Agreement. These modifications/alterations will be mutually discussed and agreed upon in writing.

## Period of Validity

This agreement shall be initially valid for one year from the date of signing the agreement and to be renewed subsequently by mutual consent of both the parties.



Dr. Sunitha HD  
12/08/2020

  
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Chikkabavenara, Bangalore - 560 090.

## Arbitration

Any dispute arising with regard to any aspect of this Agreement shall be settled through mutual consultations and agreements by the parties to the Agreement.

For the RRIT

---

*Sunitha H.D.*  
12/08/2020  
HOD, Department of ECE  
RRIT  
(Dr. Sunitha H.D.)

For Genesis Training

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*Varun Gowda*  
12/08/2020  
Vice President (Business Development)  
(Varun Gowda)

*Melank*  
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R.R. INSTITUTE OF TECHNOLOGY  
Chikkabavenara, Bangalore - 560 090.



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Department of Electronics & Communication Engineering

## Online quiz by Genesis

Date: 21/06/2021

To help the students perform better for their placements, GENESIS conducted online quizzes on various topics from 18/5/2021 to 19/6/2021. The department has signed an MOU with GENESIS for placement training.

### Topics:

1. Analogies and similarities
2. Syllogism
3. IDIOMS
4. Percentage, profit, loss and discount
5. Blood relations
6. Synonyms
7. Spell check

### Links for quizzes:

<p>Good Afternoon Ms.Sunitha</p> <p>An analogy is a comparison between two things that are similar in some way. When you draw an analogy between two different things, you are comparing them because you want to make a concept easier to understand.</p> <p>Let's start the week with learning from Logical Reasoning of <b>"Analogies and Similarities"</b></p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda Genesis Training +91-9645-154-009</p>	<p>Good Afternoon Ms.Sunitha</p> <p><b>"Education is the passport to the future, for tomorrow belongs to those who prepare for it today"</b></p> <p>Let's get a passport for better tomorrow! Let's educate our self with <b>"Similarities and Analogies"</b></p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda Genesis Training +91-9645-154-009</p>	<p>Good morning Ms.Sunitha</p> <p>A syllogism is a deduction. It is a kind of logical argument in which one proposition (the conclusion) is inferred from two or more others (the premises). The idea is an invention of Aristotle.</p> <p>Let's learn Syllogistic use of the most important topics of TCS MQT</p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda Genesis Training +91-9645-154-009</p>	<p>Good morning Ms.Sunitha</p> <p>Here is an list of the best videos to learn "Syllogism"</p> <p><a href="https://youtu.be/4wqg41x1t8k">https://youtu.be/4wqg41x1t8k</a> Also take this quiz to learn "Syllogism and Plurals"</p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda Genesis Training +91-9645-154-009</p>
<p>Good morning Ms.Sunitha</p> <p>Morgan Freeman beautifully quotes that "The best way to guarantee a loss is to quit" giving it a thought, we don't know if we are gonna be profited by putting efforts, however we'll definitely be in loss by quitting.</p> <p>Say no to quitting and let's learn 5 questions of <b>"Percentage, profit, loss and discount"</b></p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda +91-9645-154-009 Genesis Training</p>	<p>Good Morning Ms.Sunitha</p> <p><b>Did you Know??</b></p> <ol style="list-style-type: none"> <li>1. The original name for butterfly was <b>Butterfly</b>.</li> <li>2. 11% of the entire English language is just the letter <b>E</b>.</li> <li>3. The word <b>"Sea"</b> has the highest number of definitions.</li> <li>4. Shakespeare invented many words, such as <b>deliberate, dwarfing, amiable, fortune</b> and many more.</li> </ol> <p>Let's learn a little more English through this topic called <b>"Synonyms"</b></p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda Genesis Training</p>	<p>Good morning Ms.Sunitha</p> <p>Here is a chart to understand different relationships between family members</p> <ol style="list-style-type: none"> <li>1. Uncle's Daughter/Son or Aunt's Daughter/Son - Cousin</li> <li>2. Brother's Son or Sister's Son - Niece</li> <li>3. Mother's Brother/Sister - Maternal Uncle/Aunt</li> <li>4. Father's Brother/Sister - Uncle/Aunt</li> <li>5. Daughter's Husband - Son-in-law</li> <li>6. Son's Wife - Daughter-in-law</li> <li>7. Husband's Mother or Wife's Brother - Brother-in-law</li> </ol> <p>Let's learn a little more English through this topic called <b>"Blood Relations"</b></p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda Genesis Training +91-9645-154-009</p>	<p>7. Husband's Brother or Wife's Brother - Brother-in-law</p> <p>8. Husband's Father or Wife's Father - Father-in-law</p> <p>9. Husband's Mother or Wife's Mother - Mother-in-law</p> <p>Now let's dedicate our little time in learning <b>"Blood Relations"</b> one of the most important LR topics in aptitude exams.</p> <p><a href="https://online.genesisinstitute.com/quiz/232-232-23-05-2021">https://online.genesisinstitute.com/quiz/232-232-23-05-2021</a></p> <p>Regards Varun Gowda Genesis Training +91-9645-154-009</p>

The report of the same has been enclosed.

*K. S. H. H. D.*  
Coordinator 21/06/2021

HOD of Electronics & Communication  
(Dr. Sunitha L. B.)  
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Hesaraghatta Main Road,  
Chikkabanavara, Bengaluru - 560 090.

*M. Mahesh*  
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Chikkabanavara, Bangalore - 560 090.



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Department of Electronics & Communication Engineering

Quiz No:251

Quiz report conducted by GENESIS

Date:21/06/2021

Sl.No	Name	Email	Mobile	Amount spent	Signup date	Last Active	Login Count	Username	Gender	State (PLEASE
1	Pallavi M R	pallavisagar18@	9.19539E+11	0	18-May-2021	05/25/2021 12	5		Female	Karnataka
2	Vani K	vanik19990@am	9.18152E+11	0	18-May-2021	05/25/2021 16	7		Female	Karnataka
3	Priyanka N S	priyankanshindo	9.19916E+11	0	20-May-2021	05/25/2021 12	5		Female	Karnataka
4	Monika H	imonikah25@gm	9.19381E+11	0	20-May-2021	05/25/2021 14	7		Female	Karnataka
5	VISHWAS G	vishuat46@gmai	9.18868E+11	0	20-May-2021	05/25/2021 14	5		Male	Karnataka
6	Divya k h	divyakh1998@g	9.17339E+11	0	20-May-2021	05/25/2021 12	6		Female	Karnataka
7	Yashaswini.G	yashugraju0518@	9.17997E+11	0	20-May-2021	05/25/2021 12	17		Female	KARNATAKA
8	AJAY K S	ajayks73381@g	9.16361E+11	0	20-May-2021	05/26/2021 12	11		Male	Karnataka
9	Adarsha MP	adarshjohar123@	9.18972E+11	0	20-May-2021	05/26/2021 12	4		Male	Karnataka
10	Ramya B	ramyavathsala89	9.19109E+11	0	20-May-2021	05/26/2021 13	6		Female	Karnataka
11	Bharath V	bharathv2820@g	9.19111E+11	0	20-May-2021	05/25/2021 19	9		Male	Karnataka
12	Aishwarya S	aishwaryale35@	9.18218E+11	0	20-May-2021	05/25/2021 13	6		Female	Karnataka
13	Shruthi.AS	shruthibalu2114@	9.17406E+11	0	20-May-2021	05/25/2021 13	7		Female	Karnataka

*Melaha*  
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*K. S. H. D.*  
21/6/2021  
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Chikkabanavara, Bangalore - 560 090.



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Department of Electronics & Communication Engineering

Quiz No:250

Quiz report conducted by GENESIS

Date:21/06/2021

Sl.No	Name	Email	Mobile	Amount spent	Signup date	Last Active	Login Count	Username	Gender
1	Pallavi M R	pallavisagar18@	919538993498	0	18-May-21	06/19/2021 12:38:57	8		Female
2	Vani K	vanik19990@gm	918151920463	0	18-May-2021	05/25/2021 16:27:39	7		Female
3	Priyanka N S	priyankanshindo	919916052730	0	20-May-2021	06/19/2021 12:20:17	5		Female
4	Monika H	imonikah25@gm	919380702014	0	20-May-2021	05/25/2021 14:16:32	7		Female
5	Alangir badsha	alangirbbb0000	917076091242	0	20-May-2021	05/21/2021 13:00:52	6		Male
6	VISHWAS GOV	vishuat46@gma	918867529201	0	20-May-2021	05/25/2021 14:35:43	5		Male
7	Divya k h	divyakh1998@g	917338649349	0	20-May-2021	05/25/2021 12:07:00	6		Female
8	Chithra C	chithrabairanna9	919901829506	0	20-May-2021	05/21/2021 13:14:29	3		Female
9	Sowmya G R	sowmyagr01@g	918088052030	0	20-May-2021	05/21/2021 15:46:03	2		Female
10	Yashaswini.G	yashugraju0518	917996847380	0	20-May-2021	05/25/2021 12:21:50	17		Female
11	AJAY K S	ajayks73381@g	916360544840	0	20-May-2021	05/26/2021 12:50:42	11		Male
12	Greeshma.V	greeshma22199	919606587344	0	20-May-2021	05/26/2021 12:44:59	6		Female
13	Prabha k	prabhakreddy55	917975942039	0	20-May-2021	05/21/2021 12:53:10	6		Female
14	Adarsha MP	adarshjohar1230	918971834347	0	20-May-2021	05/26/2021 12:44:58	4		Male
15	Ramya B	ramyavathsala8	919108910089	0	20-May-2021	05/26/2021 13:04:44	6		Female
16	Bharath V	bharathv2820@g	919110695447	0	20-May-2021	05/25/2021 19:42:58	9		Male
17	Asha L	ashal09334@gm	917892794001	0	20-May-2021	05/21/2021 18:36:26	3		Female
18	Aishwarya S	aishwaryale35@	918217782789	0	20-May-2021	06/19/2021 13:02:10	6		Female
19	Shruthi.AS	shruthibalu2114	917406145633	0	20-May-2021	05/25/2021 13:10:15	7		Female
20	Mohit kumar Si	007rajmohit@gm	917277027314	0	21-May-2021	05/21/2021 13:26:05	2		Male

*Melank*  
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Chikkabanavara, Bangalore - 560 090.

*Chithra - H.C.*  
21/6/2021

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Heavenly Road,  
Chikkabanavara, Bengaluru - 560





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Department of Electronics & Communication Engineering

Quiz No:249

Quiz report conducted by GENESIS

Date:21/06/2021

Sl.No	Name	Email	Mobile	Amount spent	Signup date	Last Active	Login Count	Username	Gender	LOCATION YOUR
1	Pallavi M R	pallavisagar18	9.19539E+11	0	18-May-2021	05/25/2021 12	5		Female	Karnataka
2	Vani K	vanik19990@g	9.18152E+11	0	18-May-2021	05/25/2021 16	7		Female	Karnataka
3	Priyanka N S	priyankanshine	9.19916E+11	0	20-May-2021	05/25/2021 12	5		Female	Karnataka
4	Ruchitha S	ruchithashivan	9.18106E+11	0	20-May-2021	05/20/2021 09	2		Female	Karnataka
5	MISBAH FAL	misbafalakm@	9.1726E+11	0	20-May-2021	05/20/2021 10	2		Female	KARNATAK
6	Monika H	imonikah25@g	9.19381E+11	0	20-May-2021	05/25/2021 14	7		Female	Karnataka
7	VISHWAS GC	vishuat46@gm	9.18868E+11	0	20-May-2021	05/25/2021 14	5		Male	Karnataka
8	Divya k h	divyakh1998@	9.17339E+11	0	20-May-2021	05/25/2021 12	6		Female	Karnataka
9	Chithra C	chithrabairann	9.19902E+11	0	20-May-2021	05/21/2021 13	3		Female	Karnataka
10	Yashaswini.G	yashugraju051	9.17997E+11	0	20-May-2021	05/25/2021 12	17		Female	KARNATAK
11	Greeshma.V	greeshma2219	9.19607E+11	0	20-May-2021	05/26/2021 12	6		Female	Karnataka
12	Prabha k	prabhakreddy5	9.17976E+11	0	20-May-2021	05/21/2021 12	6		Female	Karnataka
13	Adarsha MP	adarshjohar12	9.18972E+11	0	20-May-2021	05/26/2021 12	4		Male	Karnataka
14	Ramya B	ramyavathsala	9.19109E+11	0	20-May-2021	05/26/2021 13	6		Female	Karnataka
15	Aishwarya S	aishwaryale35	9.18218E+11	0	20-May-2021	05/25/2021 13	6		Female	Karnataka
16	Samadrita Roy	samadritaroycl	9.19051E+11	0	20-May-2021	05/25/2021 16	4		Female	Karnataka
17	Sandeep Pand	sandy18riders	9.17352E+11	0	20-May-2021	05/20/2021 12	2		Male	Karnataka
18	Shruthi.AS	shruthibalu21	9.17406E+11	0	20-May-2021	05/25/2021 13	7		Female	Karnataka
19	Anuradha Lak	anuradhakr	9.19114E+11	0	21-May-2021	05/25/2021 12	3		Female	Karnataka

*Melaha*  
PRINCIPAL

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