



PKM Educational Trust ®

R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)
Accredited by NAAC

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, 2nd floor, 9th cross, 5th 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, 2nd floor, 9th cross, 5th 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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Terms

This Agreement will become effective upon the date of signature by both Parties. It shall remain valid for a period of three (1) 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 21st 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

21/5/19
HOD
21/5/19
PRINCIPAL
PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore-560 90

HOD of Mechanical Engineering
R.R. Institute of Technology
Hesaraghatta Main Road,
Chikkabanavara, Bangalore - 90



Witness:

- 1.
- 2.

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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R R Institute of Technology

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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 5th 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, 5th main 9th 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.



A. K. Handen
HOD of Mechanical Engineering,
R.R. Institute of Technology,
Heasarghatta Main Road,
Chikkabanavara, Bangalore - 90



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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090



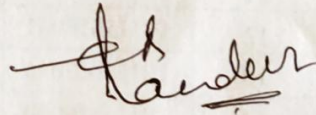
Department of Mechanical Engineering

Attendance of Industrial Visit to CADDMAXX solutions Pvt Ltd on 18/12/2019

Sl. No	USN	Name	Signature
1	1RI14ME003	AJITH V	<i>Ajith</i>
2	1RI14ME006	AKASH M	<i>AB</i>
3	1RI14ME021	DEVARAJ D R	<i>Devaraj</i>
4	1RI14ME025	GAGAN N	<i>Gagan</i>
5	1RI14ME030	IMRAN R	<i>AB</i>
6	1RI14ME036	MADHUSUDHAN B S	<i>Madhu</i>
7	1RI15ME003	AJAY L R	<i>AB</i>
8	1RI15ME009	AMDADUL HAQUE	<i>Amadul</i>
9	1RI15ME025	BHARATH N	<i>B</i>
10	1RI15ME027	BIJENDRA KUMAR	<i>AB</i>
11	1RI15ME034	DARSHAN N	<i>Darshan</i>
12	1RI15ME041	KENCHESH H N	<i>Kenchesh</i>
13	1RI15ME046	INDRESH M P	<i>Indresh</i>
14	1RI15ME050	KAPU BHANU PRAKASH	<i>AB</i>
15	1RI15ME058	MANOJ	<i>Manoj</i>
16	1RI15ME064	MOHAMMED RAFI K P	<i>Rafi</i>
17	1RI15ME069	NITISH J H	<i>Nitish</i>
18	1RI15ME092	S SANJAY	<i>Sanjay</i>
19	1RI15ME104	SIDDHARTH N	<i>Siddarth</i>
20	1RI16ME005	ARUN KUMAR YADAV	<i>AB</i>
21	1RI16ME007	BASAVARAJA E GURAPPANAVARA	<i>Basav</i>
22	1RI16ME008	BHARATH R	<i>Bharath R</i>
23	1RI16ME009	BHARATH R	<i>Bharath</i>
24	1RI16ME010	BIJAY KUMAR MANDAL	<i>AB</i>
25	1RI16ME013	GURUKIRAN L M	<i>Gurukiran</i>
26	1RI16ME017	MANJIL POUDEL	<i>manjil</i>
27	1RI16ME018	MANOJ KUMAR V	<i>AB</i>
28	1RI16ME020	PAVAN B P	<i>Pavan BP</i>
29	1RI16ME021	PITAMBAR CHAUDHARY	<i>P. Chaudhary</i>
30	1RI16ME024	SANDEEP D	<i>Sandeep</i>
31	1RI16ME025	SANDEEP PRASAD YADAV	<i>Sandeep</i>
32	1RI16ME026	SANGAYYA I TENGINAMATH	<i>Sangayya</i>

33	IRI16ME027	SAROJ KUMAR YADAV	AB
34	IRI16ME029	SHISHIR ACHHAMI	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



Jetking™
Better Life

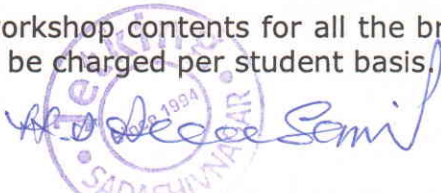
MEMORANDUM OF UNDERSTANDING


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, 2nd 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.


Mr. H. A. Abdul Sajid
1994
SADASHIVNAGAR


HOD of Electronics & Communication
R.R. Institute of Technology
Hesaraghatta Main Road,
Chikkabanavara, Bangalore - 90

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.



Latha.A.D
HOD of Electronics & Communication
R.R. Institute of Technology
Hesaraghatta Main Road,
Chalkkabanavara, 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

Sunitha H.D

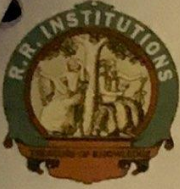
Name: DR. SUNITHA.H.D

Organization: R R Institute of Technology

Designation:

Date: 30/01/2019

HOD of Electronics & Communication
R.R. Institute of Technology
Hesaraghatta Main Road,
Chaikkabanavara, 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 (6th Sem,ECE)

Shreyas Nadiga (6th Sem,ECE)

Ashiwarya Rao (6th Sem,ISE)

HOD & Staff of the Department of Electronics and

Communication Engineering

Cordially invite you for

Five day Workshop

On

“Computer Networking”

On Wednesday, 27th 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

**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, Chikkabanavara, Bengaluru-50090

Date: 05/03/2019

Report on Event

The Five day Workshop on “Computer Communication Networks and Application “from 27th to February to 3rd 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 (6th semester)

Resource Persons:-

Mrs. Sunitha Aminngad

Technical Manager

JetKing, Sadashivanagar



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Raja Reddy Layout, Chikkabanavara, Bengaluru-50090

Department of Electronics and Communication

Date: 05/03/2019

Report on Event

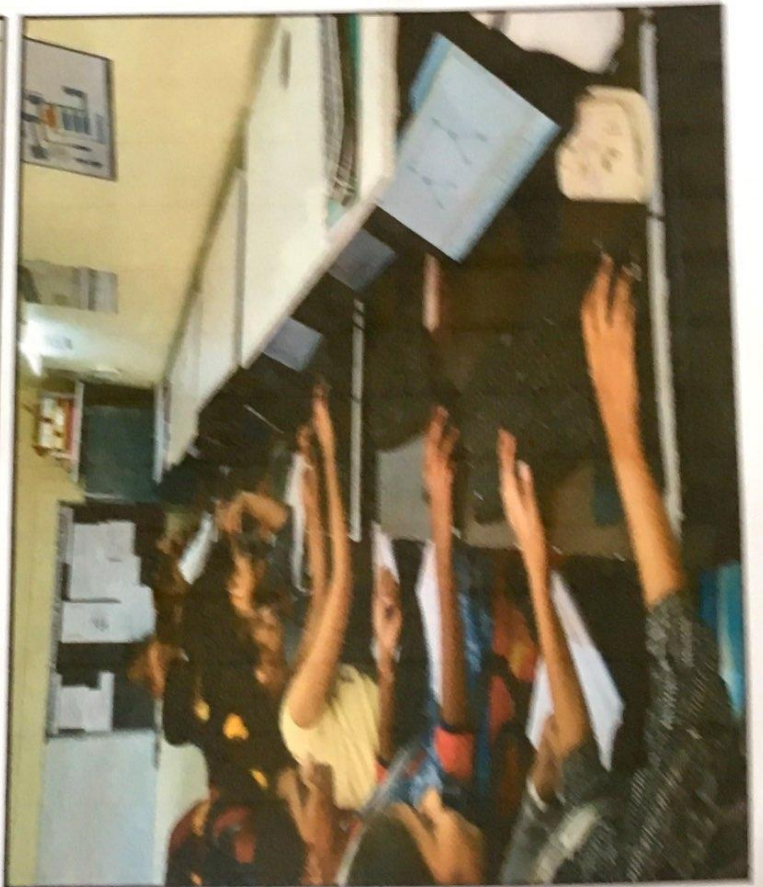
The Five day Workshop on "Computer Networking and its Application" from 27th to February to 3rd March 2019. The event went as follows

Days		Events
Day1 (27/02/2019)	Ingauration	The Dignitaries was Welcome on the dais by Ms. Nithushree, 6 TH 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	

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

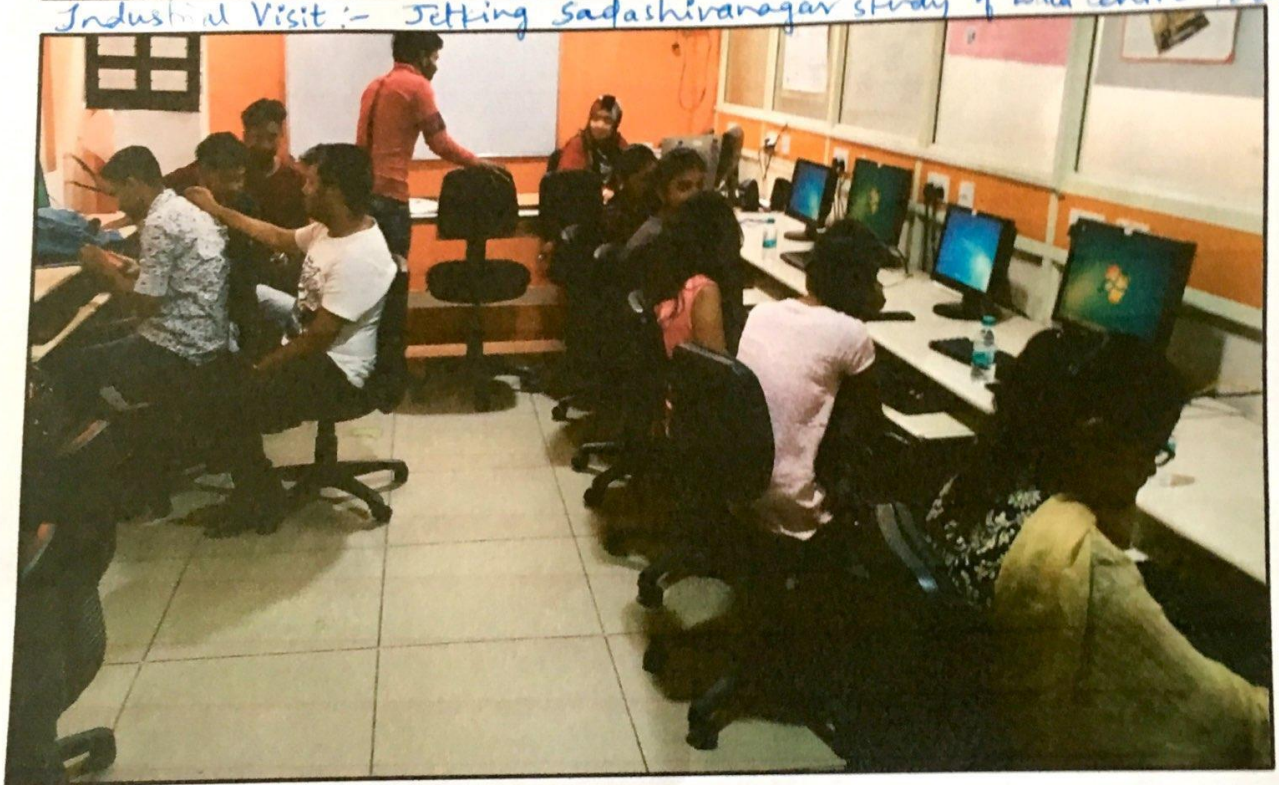
Photo Gallery :-





REDMI NOTE 6 PRO


Industrial Visit :- Jetting Sadashivanagar study of Data Centre, Bengaluru



Report prepared by:-

1. Prof. Prem Sagar H
DEPT of ECE,
Chief- Coordinator

2. Prof. Mohan Kumar BN
DEPT of ECE
Co-ordinator


HOD

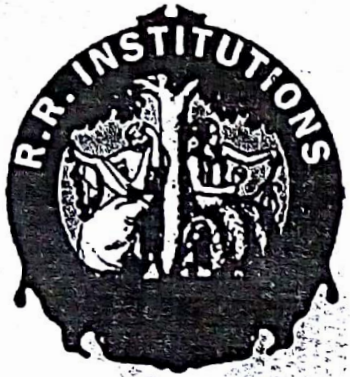
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Hesaraghatta Main Road,
Chaikkabanavara, Bangalore - 90.

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11	1RI16EC015	Kushal S P	Kushal	Kushal	Kushal	Kushal	Kushal	Kushal	Kushal	Kushal
12	1RI16EC019	Nithushree J	Nithushree J	Nithushree J	Nithushree J	Nithushree J	Nithushree J	Nithushree J	Nithushree J	Nithushree J
13	1RI16EC021	Pranathi V	Pranathi V	Pranathi V	Pranathi V	Pranathi V	Pranathi V	Pranathi V	Pranathi V	Pranathi V
14	1RI16EC024	Rajesh D	Rajesh D	Rajesh D	Rajesh D	Rajesh D	Rajesh D	Rajesh D	Rajesh D	Rajesh D
15	1RI16EC025	Shreyas Nadig S	Shreyas	Shreyas	Shreyas	Shreyas	Shreyas	Shreyas	Shreyas	Shreyas
16	1RI16EC027	Supritha .B. Koti	Supritha	Supritha	Supritha	Supritha	Supritha	Supritha	Supritha	Supritha
17	1RI16EC032	Yashaswini D	Yashaswini	Yashaswini	Yashaswini	Yashaswini	Yashaswini	Yashaswini	Yashaswini	Yashaswini
18	1RI16EC036	Ramya Shree N	Ramya N	Ramya N	Ramya N	Ramya N	Ramya N	Ramya N	Ramya N	Ramya N
19	1RI16EC402	Pradeep BM	Pradeep	-AB-	-AB-	-AB-	Pradeep	Pradeep	-AB-	-AB-

[Handwritten Signature]
Coordinator Signatures

[Handwritten Signature]
HOD Signature

HOD of Electronics & Communication
R.S. Institute of Technology
Healaghatta Main Road



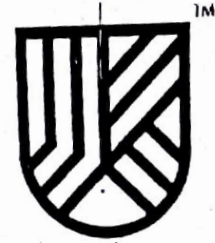
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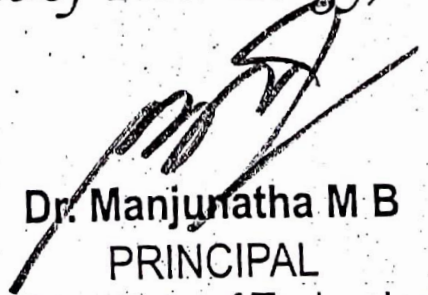
Department of Electronics & Communication

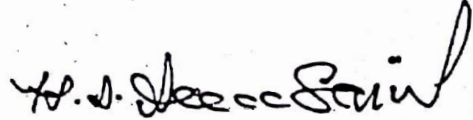
CERTIFICATE OF PARTICIPATION



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 27th February to 3rd 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 (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, 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.

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 company.

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

Dr. Manjunath R
10/11/2020

Signature:

Head of Department
Department of Computer Science & Engg.
R.R. Institute of Technology
Hosuraghatta Main Road,
Chikkabagalavara, Bangalore

For SST Technologies

Name: *Dr. Sreenivasg*
Reddy

Designation: Director

Dr. Sreenivasg Reddy
10/11/2020

Signature:



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



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, Karnatak, 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 .



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



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

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 13th 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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Department of Computer Science & Engineering

ORGANIZING COMMITTEE

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Secretary, PKMET, Bengaluru

Sri. Arun H.R.

Director, PKMET, Bengaluru

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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

20th 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

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



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 099

Department of Computer Science & Engineering

Date: 20/06/2022

Attendance for Workshop

On

"Sensing, Automation & IoT"

Sl.	Sem	USN	Student Name	Signature
01	8 th	1RI18CS062	Tiwari Vishal Lalton	
02	8 th	1RI18CS031	Md Arman Khan	
03	8 th	1RI18CS015	Ayush Sharma	
04	8 th	1RI18CS001	Abhiraj Sharma	
05	8 th	1RI18CS038	PARNANDI.V.H. GURUNADHA SARMA	
06	8 th	1RI18CS023	Devenbra Kumar Jaku	
07	8 th	1RI18CS045	Rijin Ray	
08	8 th	1RI18CS009	Amit Kumar	
09	8 th	1RI18CS017	Bibek Modak	
10	8 th	1RI18CS024	Harshini.S	
11	8 th	1RI18CS027	Keethana.S	
12	8 th	1RI18CS402	Hiran.D.A	
13	8 th	1RI19CS403	Madhu.L	
14	8 th	1RI18CS043	Rakshitha.S.V	
15	8 th	1RI18CS052	Sandeep.P.B.T	
16	8 th	1RI18CS022	Chandan Kumar BN	
17	8 th	1RI18CS008	Akshay Ufuture	
18	8 th	1RI18CS029	Mohan Pruthi C.V	
19	8 th	1RI18CS037	P. Sahas	
20	8 th	1RI18CS036	Xushu.K NITHISH.K	
21	8 th	1RI18CS059	Vignesh.P	
22	8 th	1RI19CS406	Rafu Singh	
23	8 th	1RI18CS011	Anurag Paul	
24	8 th	1RI18CS028	Krupa.P.O	
25	8 th	1RI18CS016	B.R.Usha	
26	8 th	1RI18CS034	S.Manika	
27	8 th	1RI18CS054	SHREYA BAJPAI	

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

Sl.	Sem	USN	Student Name	Signature
28	8th	IRI18CS058	Suraj Sapkota	
29	8th	IRI16CS001	Amanjyot Chawry	
30	8th	IRI13CS400	Ajay Kumar Pandey	
31	8th	IRI17CS044	Sudip Sarkar	
32	8th	IRI17CS037	Saibal Sekhar Maity	
33	8th	IRI19CS404	Pappu Kar	
34	8th	IRI19CS401	Aniket Pulil	
35	8th	IRI18CS019	Prithu Kohar	
36	8th	IRI18CS014	Avinandan Pal	
37	8th	IRI18CS020	Bishnudev Mahato	
38	8th	IRI15CS074	Sabin Chaudhary	
39	8th	IRI16CS022	Jackson George	
40	8th	IRI16CS005	Ardhi Pradeep	
41	8th	IRI18CS021	chondana. B	
42	8th	IRI18CS041	Prayadaushini. H	
43	8th	IRI19CS405	Pranitha. H	
44	8th	IRI18CS042	Rakshitba. J	
45	8th	IRI18CS057	suman kumar DeJ	
46	8th	IRI18CS040	Pooja N	
47	8th	IRI18CS007	Akshay. M	
48	8th	IRI18CS004	AKASH. K	
49	8th	IRI18CS013	Ashil Prasad. P	
50	8th	IRI16CS037	Sapna Singh	
51	8th	IRI18CS062	Virek Kumar	
52	8th	IRI18CS046	Rima Goid	
53	8th	IRI18CS049	Roshan kumar pandit	
54	8th	IRI17CS024	Kiran Kumar V.C	
55	8th	IRI18CS400	James M Augustin	
56	8th	IRI14CS007	Dilip. K	

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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” 20th June 2022

Department of CSE had conducted a one day workshop in association with SST Technologies, Bengaluru on “Sensing, Automation & IoT” for 8th Semester students of Computer Science on 20th 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.

Head of Department
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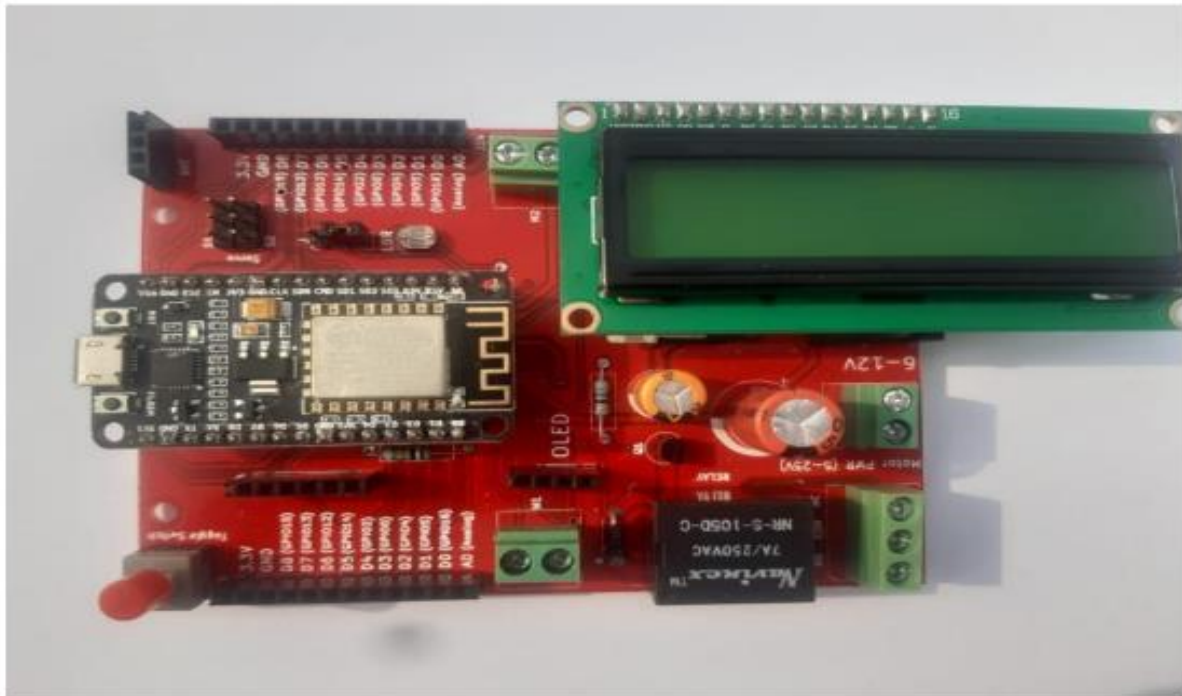
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Gallery of Workshop on “Sensing, Automation & IoT” 20th June 2022



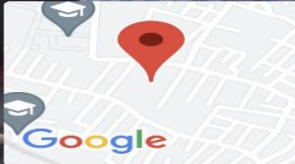
SST Node MCU Project Board





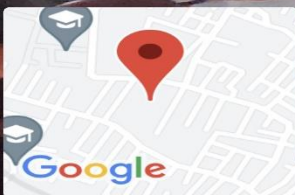
Bengaluru, Karnataka, India

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Long 77.512674°
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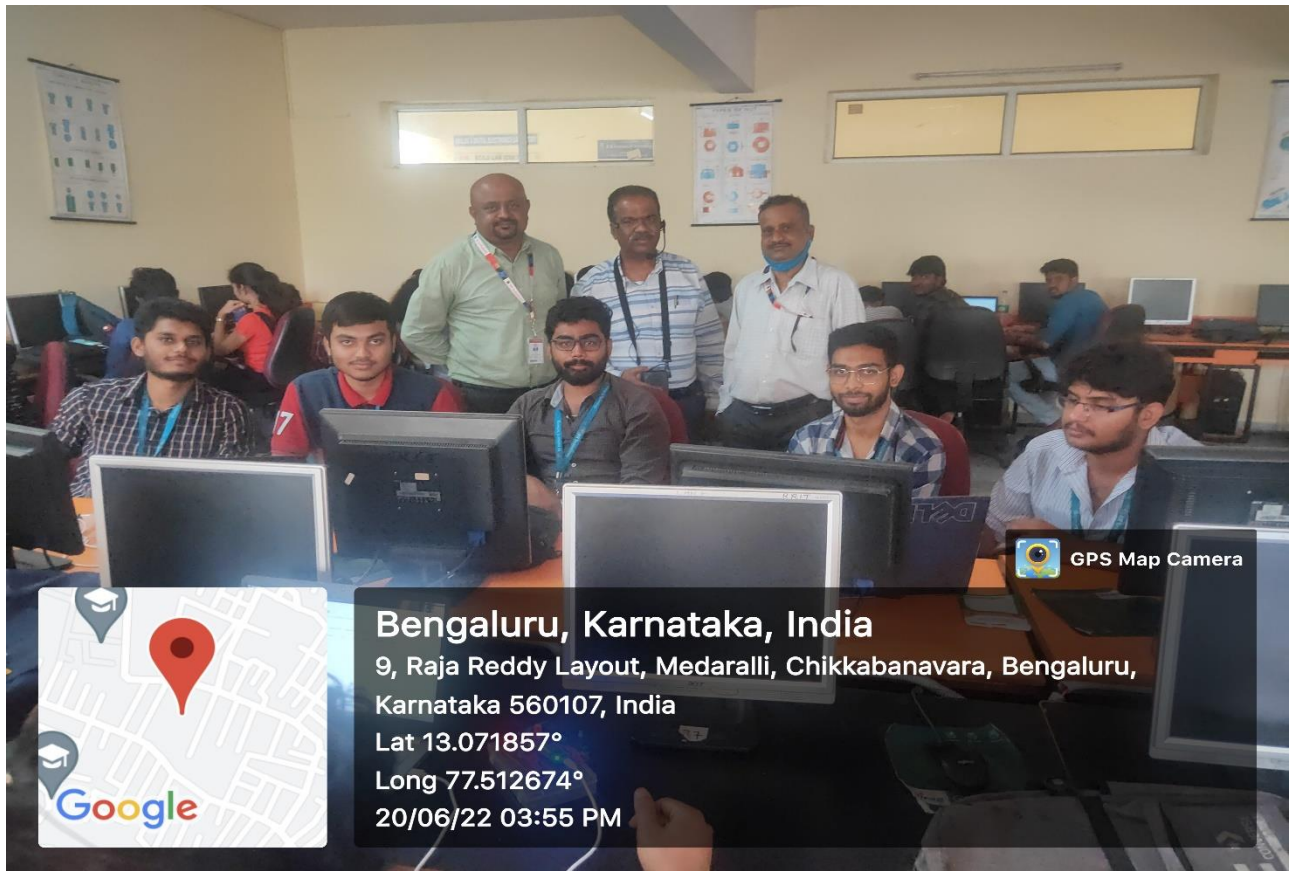
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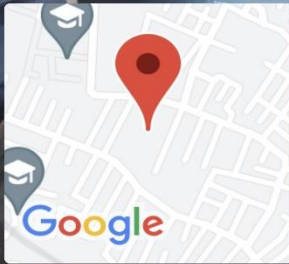


Bengaluru, Karnataka, India

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Karnataka 560107, India
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Long 77.512698°
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GPS Map Camera



Bengaluru, Karnataka, India

9, Raja Reddy Layout, Medaralli, Chikkabanavara, Bengaluru,
Karnataka 560107, India

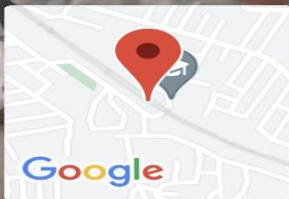
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GPS Map Camera



Mydarahalli, Karnataka, India

Near Railway Station R.R. Layout, Medaralli, Chikkabanavara,
Mydarahalli, Karnataka 560090, India

Lat 13.070321°

Long 77.510165°

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Secretary, PKMET, Bengaluru

Sri. Arun H.R.
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

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 18th to 20th 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

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	Niranjana 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

(Signature)

Head of Department
Department of Computer Science & Engg
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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”

22nd to 24th 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 22nd April to 24th 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 st 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 nd Day (23/04/2021) :


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

3 rd 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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Department of Computer Science & Engg
R.R. Institute of Technology
Hesaraghatta Main Road
Chikkabanavara, Bengaluru



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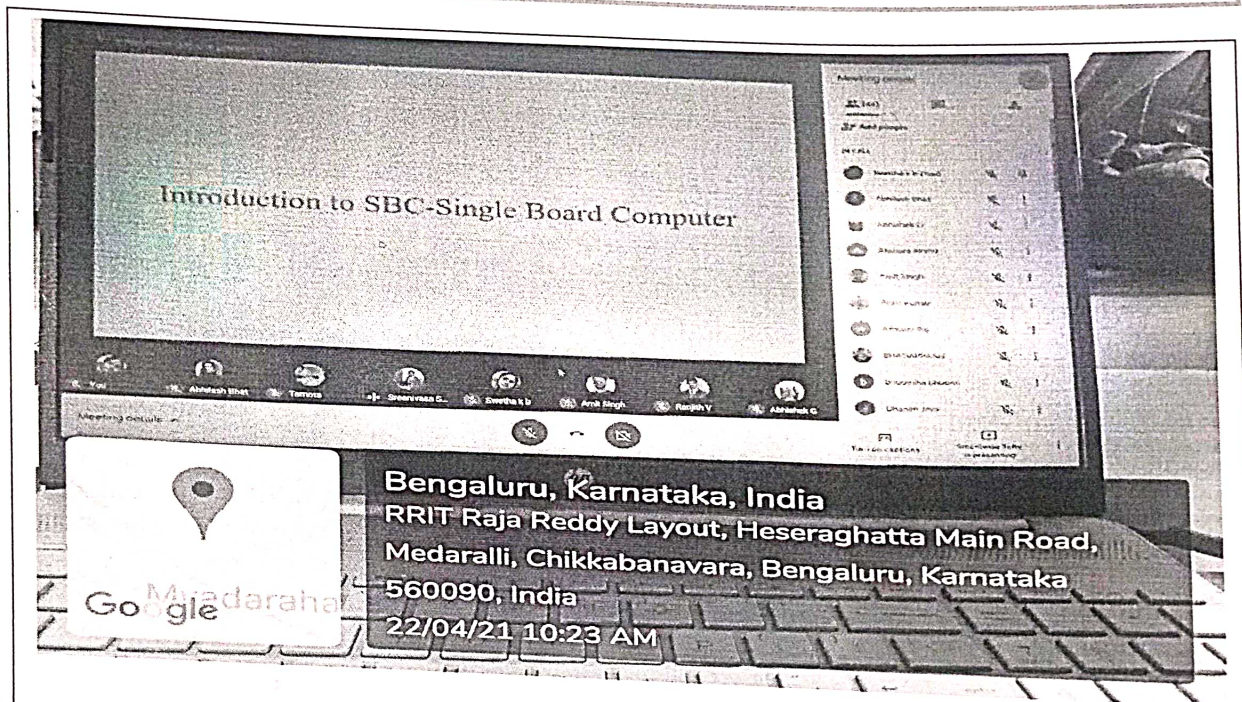
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Department of Computer Science & engineering

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





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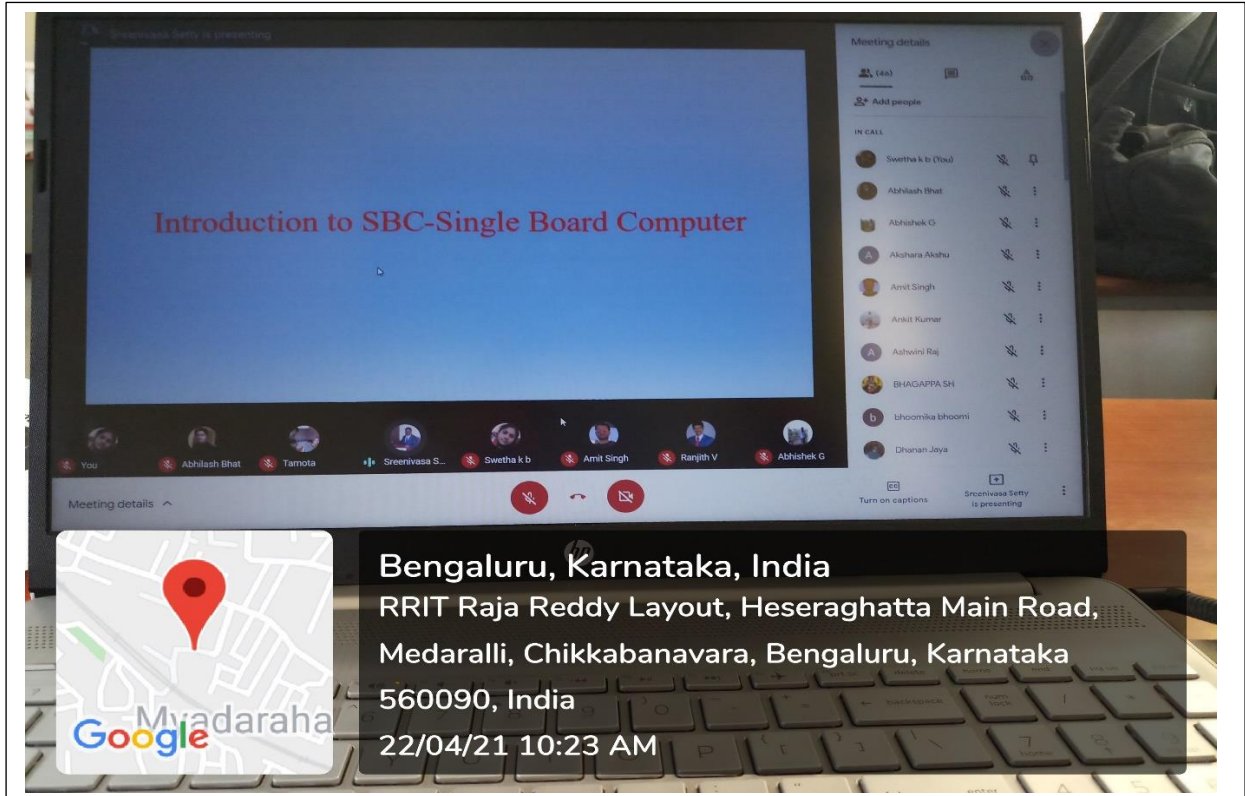
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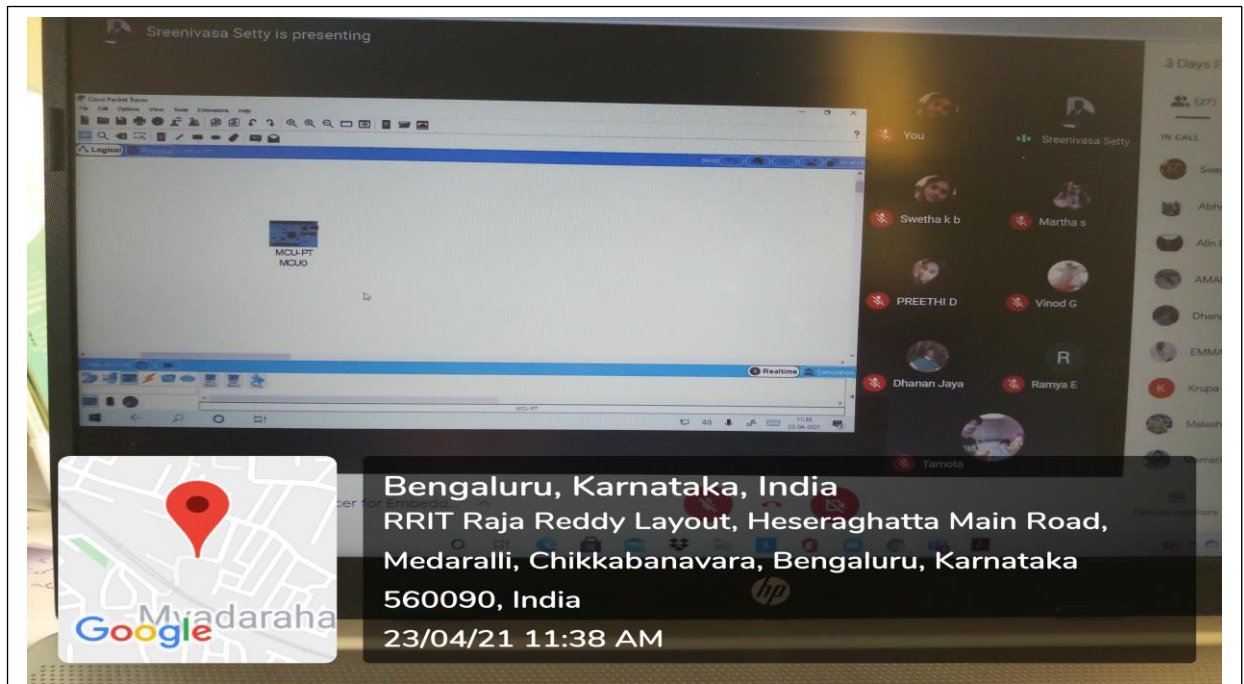
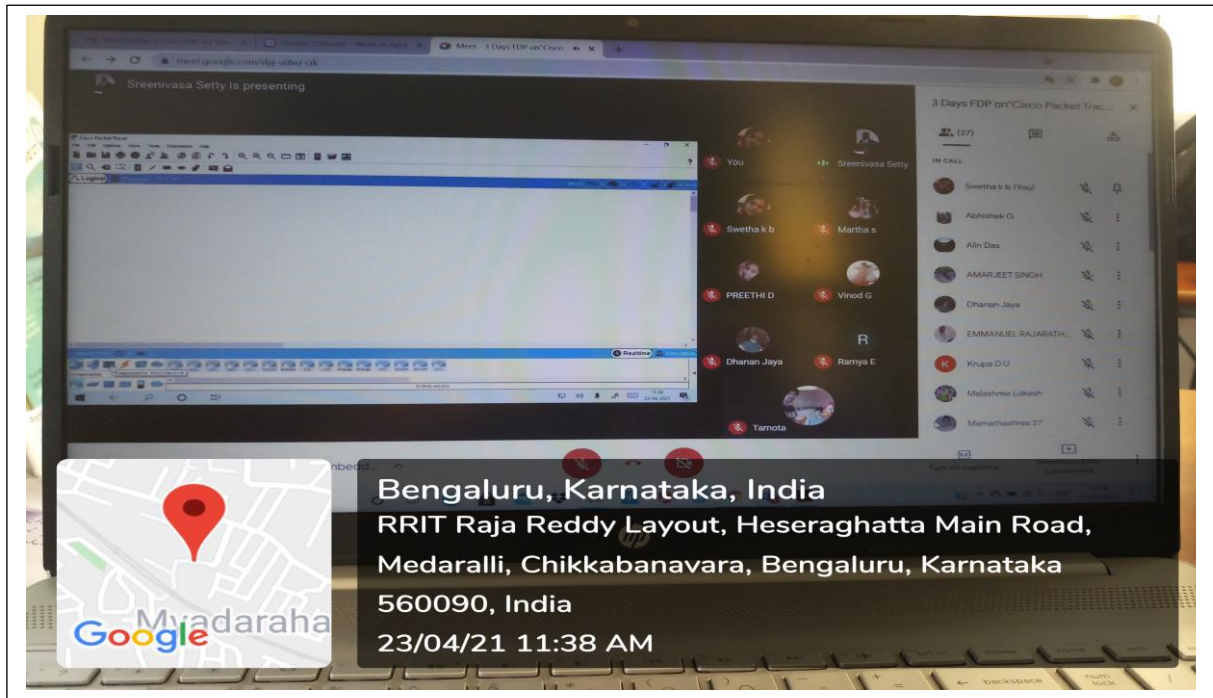
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Day 23/04/2021 Photos





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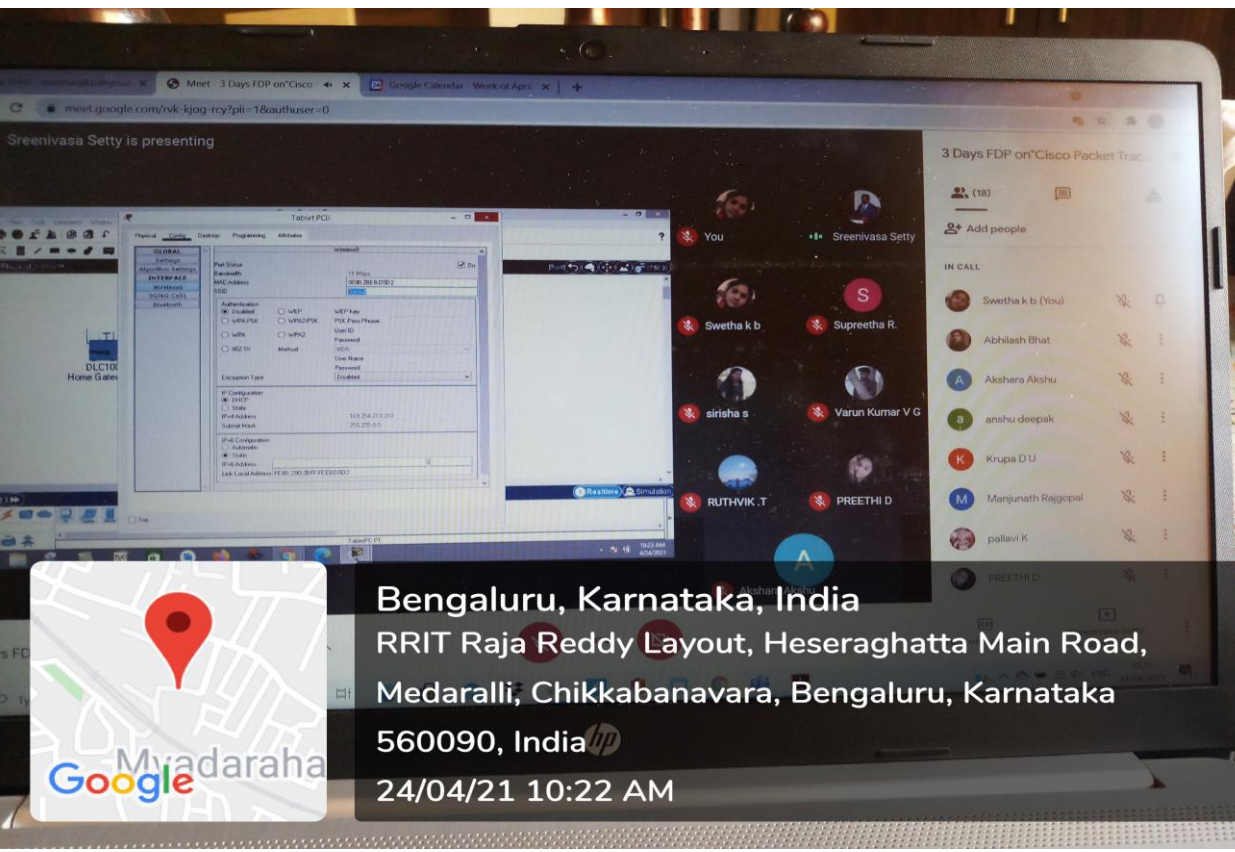
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Day 24/04/2021 Photos





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Secretary, PKMET, Bengaluru

Sri. Arun H.R.

Director, PKMET, Bengaluru

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Chair Person

Dr. Mahendra K V,

Principal, RRIT, Bengaluru

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Dr. Manjunath R

Professor & Head

Department of CSE

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Assistant Professor

CSE Department

Prof. Veena M S

Assistant Professor

CSE Department

Prof. Revathi B

Assistant Professor

CSE Department

Student Co-ordinator

Ms. Tanima Mandal, CSE

Mr. Sharath, CSE

Cordially invites all Students for

Workshop

"IoT and Data Analytics"

in association with

SST Technologies, Bengaluru

on

3rd and 4th 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

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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8th 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.	IR118CS006	AKASH PATIL	Ab	Ab	Ab	Ab
2.	IR118CS018	BILTU MONDAL	Bmondal	Bmondal	Bmondal	Bmondal
3.	IR118CS012	ANUSHA S	Anusha.S.	Anusha.S.	Anusha.S.	Anusha.S.
4.	IR118CS025	JEEVAN SUTAR	Jesutar	Jesutar	Jesutar	Jesutar
5.	IR118CS035	NAZRUL HUSSAIN	Nazrul	Nazrul	Nazrul	Nazrul
6.	IR118CS039	PAVAN KUMAR B	Pavan Kumar	Pavan Kumar	Pavan Kumar	Pavan Kumar
7.	IR118CS047	RITWIK KUNDU	Ritwik Kundu	Ritwik Kundu	Ritwik Kundu	Ritwik Kundu
8.	IR118CS060	VISMAYA V K	Vismaya	Vismaya	Vismaya	Vismaya
9.	IR119CS001	ADITHYA E	Aditya	Aditya	Aditya	Aditya
10.	IR119CS002	AKSHAY KUMAR RANA	Akshay	Akshay	Akshay	Akshay
11.	IR119CS003	AMAN LALL JOSHI	Aman	Aman	Aman	Aman
12.	IR119CS004	ANEESH K VANTAKAR	Anesh	Anesh	Anesh	Anesh
13.	IR119CS005	ANIKET PARIHAR	Aniket	Aniket	Aniket	Aniket
14.	IR119CS006	ANUPAMA R PILLAI	Anupama	Anupama	Anupama	Anupama
15.	IR119CS007	ANUSHA S	Anusha.S.	Anusha.S.	Anusha.S.	Anusha.S.
16.	IR119CS008	ATUL RAJ	Atul Raj	Atul Raj	Atul Raj	Atul Raj
17.	IR119CS009	BARUN ROY	Barun Roy	Barun Roy	Barun Roy	Barun Roy
18.	IR119CS010	BHAGYASHRI GYANAGOUDRA	Bhagyashri	Bhagyashri	Bhagyashri	Bhagyashri

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19.	IRI19CS011	BIKASH PRASAD DUSHAD	Bikash	Bikash	Bikash	Bikash
20.	IRI19CS012	CHANDAN K KORTEKAR	Chand	Chand	Chand	Chand
21.	IRI19CS013	DARSHITHA D	Darshitha	Darshitha	Darshitha	Darshitha
22.	IRI19CS014	DEEP MANDAL	Deep Mandal	Deep Mandal	Deep Mandal	Deep Mandal
23.	IRI19CS015	DIVYANSHU KUMAR	Divyanshu	Divyanshu	Divyanshu	Divyanshu
24.	IRI19CS016	ELIAS ALI	Elias	Elias	Elias	Elias
25.	IRI19CS017	GURUDARSHAN R	Gurudarshan	Gurudarshan	Gurudarshan	Gurudarshan
26.	IRI19CS018	HARSHITHA M R	Harshitha	Harshitha	Harshitha	Harshitha
27.	IRI19CS019	HELDA VINITHA P	Helda	Helda	Helda	Helda
28.	IRI19CS020	HEMANTH S	Hemant	Hemant	Hemant	Hemant
29.	IRI19CS021	INZAMAM ALI KHAN	Inzamam	Inzamam	Inzamam	Inzamam
30.	IRI19CS022	JAYA ROY RINTY	Ab	Ab	Ab	Ab
31.	IRI19CS024	KARAN RAY THARU	Karan	Karan	Karan	Karan
32.	IRI19CS025	KAUSHAL SINGH KUNWAR	Kaushal	Kaushal	Kaushal	Kaushal
33.	IRI19CS026	LIKHITH GOWDA K	Likhitha	Likhitha	Likhitha	Likhitha
34.	IRI19CS027	LOCHAN K B	Ab	Ab	Ab	Ab
35.	IRI19CS028	MEGHASHREE M S	Ab	Ab	Ab	Ab
36.	IRI19CS029	MEGHANA R	Meghana	Meghana	Meghana	Meghana
37.	IRI19CS031	MUMMADI JAHNAVI KIRAN	Mummaidi	Mummaidi	Mummaidi	Mummaidi
38.	IRI19CS032	NAWAZ SHARIEF	Nawaz	Nawaz	Nawaz	Nawaz
39.	IRI19CS034	PRAMODH S	Pramod	Pramod	Pramod	Pramod
40.	IRI19CS035	PRIYA C Y	Priya	Priya	Priya	Priya
41.	IRI19CS037	RISHAV KUMAR	Rishav	Rishav	Rishav	Rishav
42.	IRI19CS038	SAHANA R	Sahana	Sahana	Sahana	Sahana
43.	IRI19CS040	SANTOSH KUMAR YADAV	Santosh	Santosh	Santosh	Santosh
44.	IRI19CS041	SATYAJIT PAUL	Satyajit	Satyajit	Satyajit	Satyajit
45.	IRI19CS042	SHAIK ROSHINI	Shaike	Shaike	Shaike	Shaike

46.	IRI19CS043	SHALU KUMARI	Shalu Kumari	Shalu Kumari	Shalu Kumari	Shalu Kumari
47.	IRI19CS044	SHARATH R	Sharath R	Sharath R	Sharath R	Sharath R
48.	IRI19CS045	SHASHANK S	Shashank S	Shashank S	Shashank S	Shashank S
49.	IRI19CS048	TANIMA MONDAL	Tanima Mondal	Tanima Mondal	Tanima Mondal	Tanima Mondal
50.	IRI19CS049	TUSHAR PARI	Tushar Pari	Tushar Pari	Tushar Pari	Tushar Pari
51.	IRI19CS050	UMASANKAR R	Umasankar R	Umasankar R	Umasankar R	Umasankar R
52.	IRI19CS051	VENKATESH S	Venkatesh S	Venkatesh S	Venkatesh S	Venkatesh S
53.	IRI20CS400	BARSHA GOSWAMI	Barsha Goswami	Barsha Goswami	Barsha Goswami	Barsha Goswami
54.	IRI20CS401	SHRABONI BANEERJI	Shraboni Banerjee	Shraboni Banerjee	Shraboni Banerjee	Shraboni Banerjee
55.	IRI20CS402	GOUTHAM K M	Goutham K M	Goutham K M	Goutham K M	Goutham K M
56.	IRI20CS600	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 3rd and 4th April 2023

Department of CSE had conducted a Workshop on "IoT and Data Analytics " in association with SST Technologies, Bengaluru on 3rd and 4th 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 digitaly 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 like 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.


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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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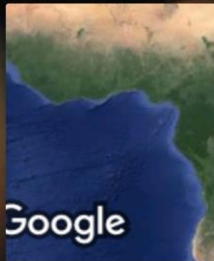
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Gallery



GPS Map Camera



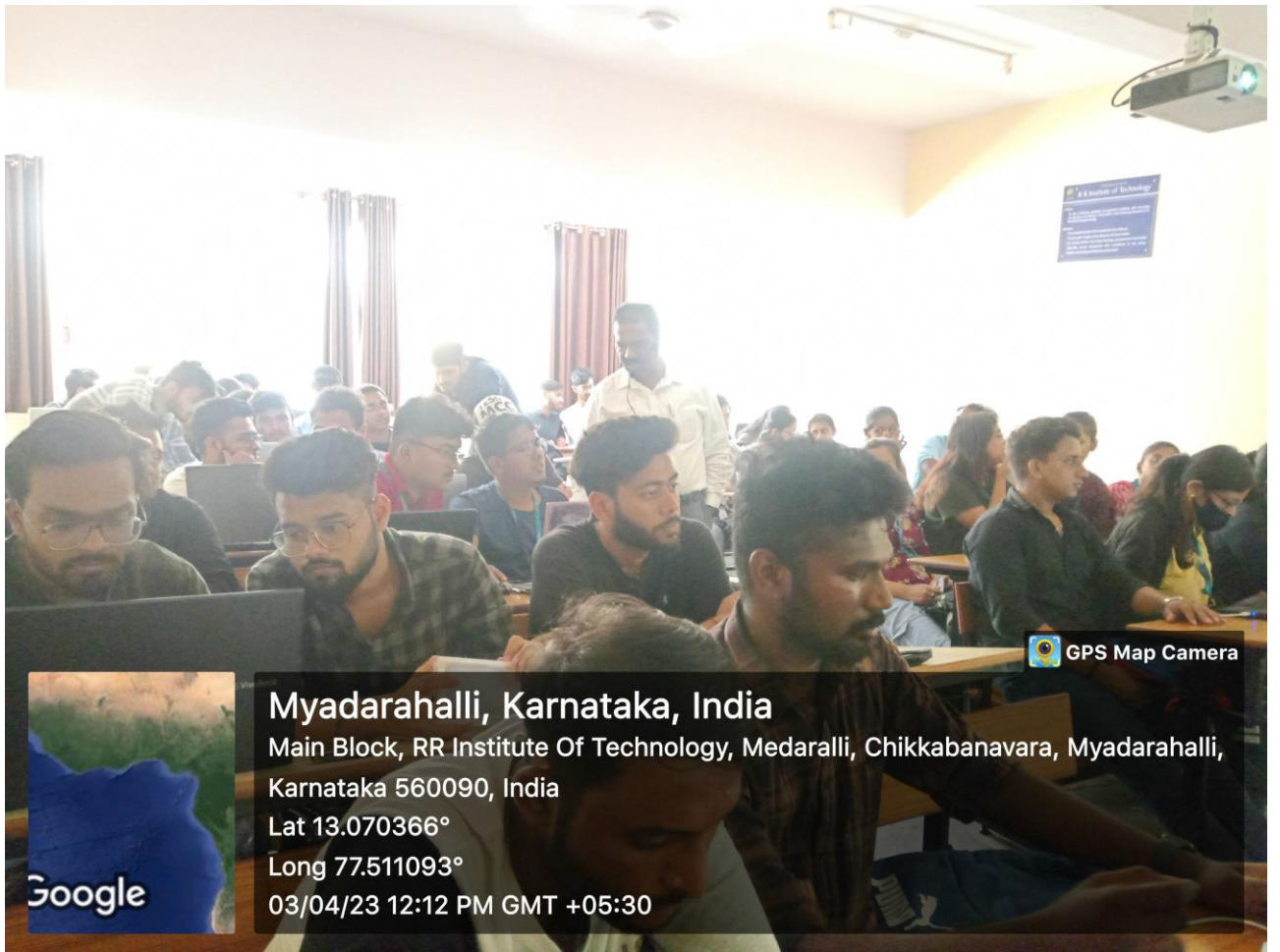
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Karnataka 560090, India

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Memorandum of Understanding (MoU)

Between

R R INSTITUTE OF TECHNOLOGY (RRIT)

and

MCore Tech Academy Pvt. Ltd. (MCoreta)

Page: 1 of 5

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

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.

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.


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.

Witness :

Name :

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 :Dr.Sunitha H D



Internship Certificate

Congratulations!

THEJASWINI B

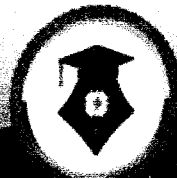
for successful completion of Internship on
*"Electrical C&R Panel Manufacturing Plant &
Industrial feeder protection using
Siemens IED-7SJ80"*

Start date: 22/08/2022

End date: 19/09/2022

S. Anil Kumar

Anil kumar S
Head-Trainings(EPS)
MCoreta





Internship Certificate


Congratulations!

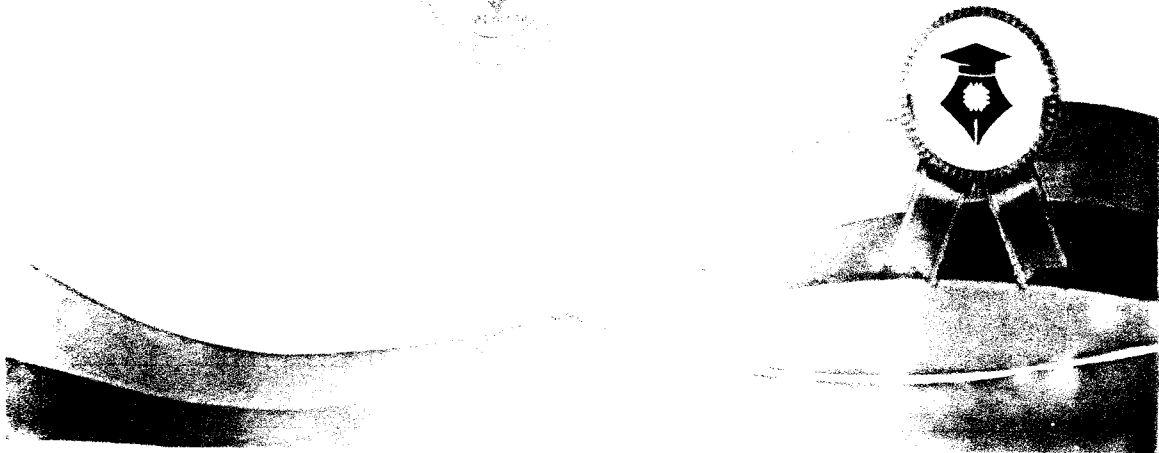
SHANKAR KUMAR YADAV

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





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
Head-Trainings(EPS),
MCoreta





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: 13/09/2022

Anil Kumar S

Anil kumar S
Head-Trainings(EPS),
MCoreta





Internship Certificate

Congratulations!

BHOOMIKA R

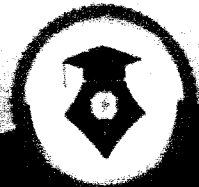
for successful completion of Internship on
*"Electrical C&R Panel Manufacturing Plant &
Industrial feeder protection using
Siemens IED-7SJ80"*

Start date: 22/08/2022

End date: 19/09/2022

Anil Kumar S

Anil kumar S
Head-Trainings(EPS),
MC Coreta





Internship Certificate


Congratulations!

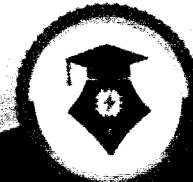
BHOLA CHAUDHARY

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





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
Head Trainings(EPS),
MCoreta





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

S. Anil Kumar

Anil kumar S
Head-Trainings(EPS),
MCoreta



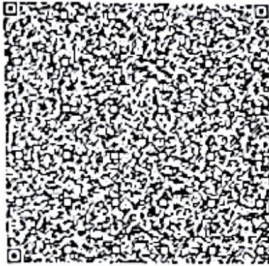


सत्यमेव जयते

INDIA NON JUDICIAL
Government of Karnataka

e-Stamp

Certificate No. : IN-KA34294670435903P
Certificate Issued Date : 18-Nov-2017 03:24 PM
Account Reference : NONACC (FI)/ kacrsfl08/ 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)



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, 17th 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

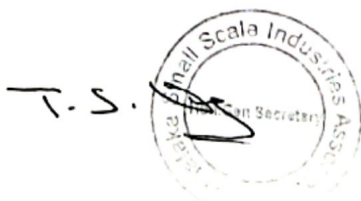
2 PG courses leading to

- 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.



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:

T. S. 


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

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, 17th Cross, Magadi Chord Road,

Vijayanagar, Bangalore-560040

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

Email: presidentkassia@gmail.com/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

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.



[Handwritten Signature]

PRINCIPAL
R R INSTITUTE OF TECHNOLOGY
Raja Reddy Layout, Hesaraghatta Main Road,
Chikkabanavara, Bangalore - 560090

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.

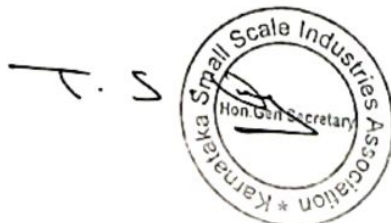
Force Majeure

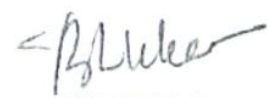
The Parties shall not be liable to each other for failure or delay in the performance of any of its obligations under this Agreement for the time and to the extent such failure or delay is caused by riots, civil commotion, wars, hostilities between nations, government laws, orders regulations, embargos, 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

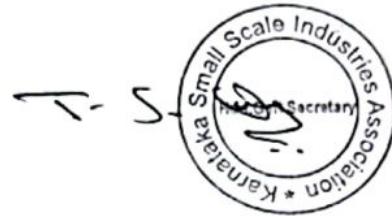
The first party and the second party hereby agree to terminate agreement at any time with the consent of both the parties.

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



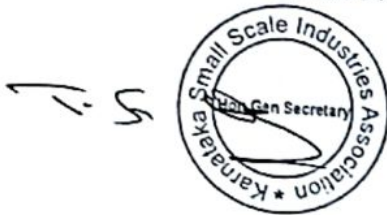

 PRINCIPAL
 R.R. INSTITUTE OF TECH.
 Hesaraghatta Main Road,
 Chikkabanavara, Bangalore - 90.

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:

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



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



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Department of Computer Science & Engineering

Ref. Number /RRIT/CSE/2018

Date: 20/03/2018

To,

The Principal
R R Institute of Technology
Bangalore-90

Respected Sir,

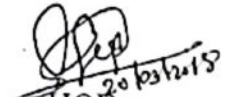
Subject: Regd. Permission to visit Solar Power Plant Shivanasamudra in Association with Karnataka Small Scale Industries Association

With Reference to above subject, the department is planning to organize a industrial visit to Solar Power Plant Shivanasamudra in Association with Karnataka Small Scale Industries Association for final year students of CSE department. This will help the student's community gain the exposure to the working environment and practical knowledge. We request your kind permission & needful.

Thank you

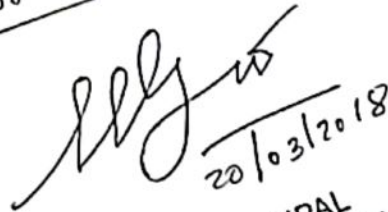
Faculty Coordinator

- 1) Ms. Sumanth V
- 2) Mr. Dhananjaya M K


HOD

Head of Department
Department of Computer Science & E.
R.R. Institut of Technol...
Hesaraghatta Main Road
Chikkabanavara, Bangalore

Permitted


20/03/2018

PRINCIPAL
R. R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bengaluru - 580090.



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Department of Computer Science & Engineering

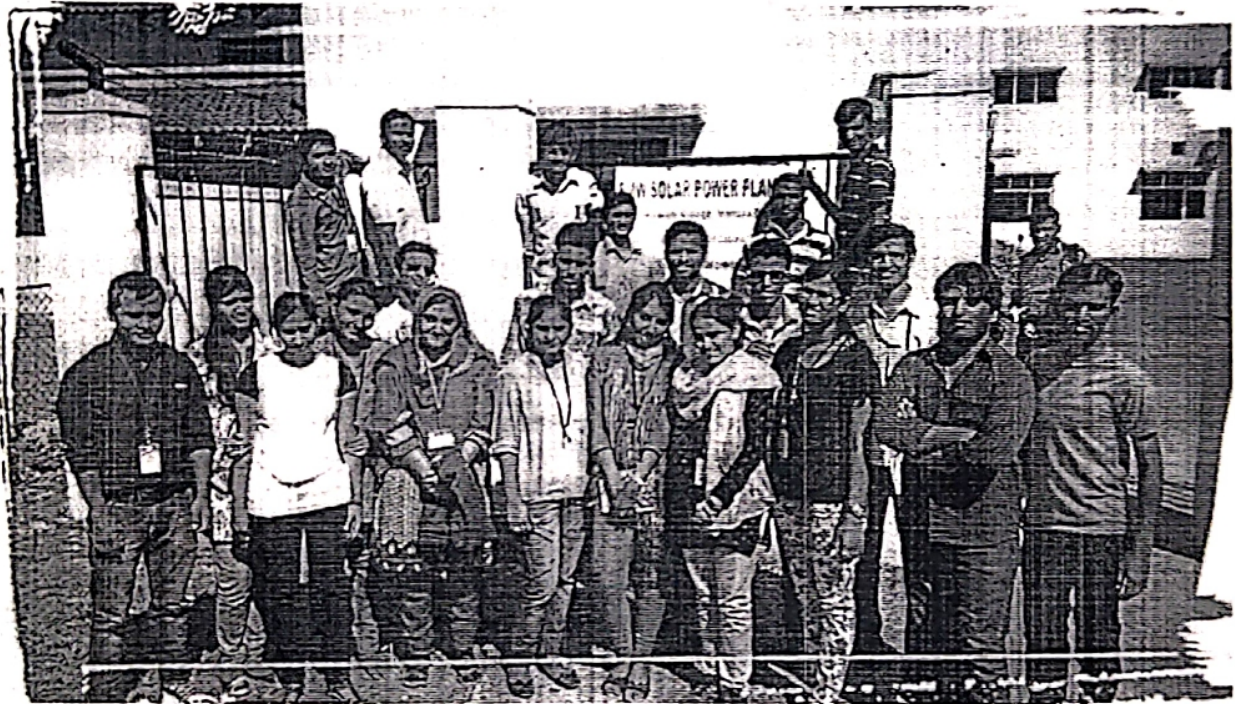
Date: 27/03/2018

A Report on

Industrial Visit

to

Solar Power Plant Shivanasamudra In Association With Karnataka Small Scale Industries Association on 25th March 2018



Objective:

The industrial visit is intended to provide students with required exposure to the working environment and practical knowledge. The motive is to learn and supplement the class

Number of Students participated: 50 Students.

Date of Visit: 25th March 2018

Staff members accompanied: Prof. Sumanth V & Prof. Dhananjay M K

Outcome of the visit:

Industrial visit was carried out on 25th March 2018 for Computer Science & Engineering Students under the Guidance of Karnataka Small Scale Industries Association member.

The main objective behind the visit was to make the students aware about how the computers are used in power plants.

Students At Industry



Department of Computer Science and Engineering students tour to Solar Power Plant Shivanasamudra

On 25th March 2018 along with 50 students of CSE and two faculty members, Prof. Sumanth & Prof. Dhananjay M k . The purpose was to introduce the students to create relationship with working there, answer queries regarding Computer knowledge and to help them to prepare for their entry to the industry. Students reached powerplant at sharp 11.00 am on 25th March 2018, The session was delivered in two batches 11:00 am to 1:00 pm. and 2:00 to 4:00 pm. Miss. Amruta & Shraddha felicitated the faculties and invited all the students in the company. Miss. Dipali given company Intoduction to the batches of students. Miss. Tejaswini & Mr. Netaji introduced working products and its information. Also described company working structure, how company works and what is the importance of Computers in power plants. This kind of interaction with industry helps to improve industry relations, create awareness about corporate standards and practices. It also helps to bridge the gap between industry and academia.


27/03/2018
HOD CSE

Head of Department
Department of Computer Science & E
R.R. Institut of Technology
Hesaraghatta Main Road
Chikkaballapur District



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Raja Reddy Layout, Chikkabanavara, Bengaluru -d 560 090

Department of Computer Science & Engineering

Ref. Number /RRIT/CSE/2019

Date: 15/02/2019

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 6th Semester students of CSE want the permission to attend Workshop on "Innovation and Manufacturing Start-ups" has been organized on Friday, the 15th 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

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

Manjunath R
15/2/2019



Karnataka Small Scale Industries Association

An ISO 9001:2015 Certified Organisation

2/106, 17th 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

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 , 15th 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 - President KASSIA Lighting the lamp by - Dignitaries Felicitations to - dignitaries Inaugural address by - Smt. Gunjan Krishna. IAS., Commissioner, MSME Directorate of Micro, Small & Medium Enterprises, Govt of Karnataka Key Note address by - Dr. T. V. Prabhakar, Principal Research Scientist & Head of the MSME Centre of excellence, Address by - Sri H M Srinivasa. Additional Director MSME & PP. GOK. Address by - Sri B N Sudhakara. Director- MSME-DI, GOI
11.45 -12.30 pm	Session #1 : Presentation on "Innovation & Design - Importance of IoT" & "Hands on Project for Students - Ideation" By Dr. T. V. Prabhakar, Principal Research Scientist & Head of the MSME Centre of Excellence,
12.30- 12.50 pm	Session #2 : Role of artificial Intelligence in the manufacturing sector By - Sri. Mohan Krishna, Head of COE -Data Science & Artificial Intelligence NASSCOM, Bengaluru.
12.50- 1.10 pm	Session #3 : "Support Schemes of the Ministry of MSME, GOI By H V Ananda Murthy, Dy Dir (Retd), M/o MSME, GOI.
1.10 - 1.20 pm	Session #4 : Bank Schemes for start-ups By- Sri. K.N. Manjunath, Lead Manager, Canara Bank, Bengaluru
1.20- 1.30 pm	Interaction with participants - Q & A Session
1.30 -1.45 pm	Concluding remarks By- Sri. Siddalingappa B Pujari Joint Director, District Industries Centre, Govt. of Karnataka
1.45 - 1.50 pm	Vote of thanks



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Department of Computer Science & Engineering


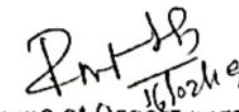
Date: 16/02/2019

Report of "Karnataka Small Scale Industries Association Workshop on Innovation, Artificial Intelligence and Manufacturing Start-ups" on 15th 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.


16/2/19

16/2/19
Head of Department
Department of Computer Science & Engg
R.R. Institute of Technology
Hesaraghatta Main Road,
Chikkabanavara, Bangalore-90

Thanks and regards
Organizing committee

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



P. H. H. H.
Head of Department
Department of Computer Science & Engg
R.R. Institute of Technology
Hesaraghatta Main Road
Chikkabanavara, Bangalore-56



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Department of Computer Science & Engineering

Industrial visit to

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





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Department of Computer Science & Engineering

Photos of “Innovation, Artificial Intelligence and Manufacturing Start-ups”

