



Visvesvaraya Technological University

Jnana Sangama", Belagavi-590 018, Karnataka State

Phone: (0831) 2498100
Fax: (0831) 2405467

Registrar

Ref. VTU/ACA-LIC/2021-22/SOI 4211/57

Date: 10 DEC 2021

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc. (Engg.) by research reg...
Ref: EC Approval dated 30-11-2021.

Pursuant to the Resolution of Executive Council referred to the above, it is hereby notified that the following Departments are Recognized as Research Centre/s to offer Ph. D / M.Sc. (Engg) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition of the Research Centre/s.

Name of the college: R.R. INSTITUTE OF TECHNOLOGY,BENGALURU

Type of Recognition	Departments	Recognition	Period of the Recognition
Continuation Research Center	Mechanical Engineering ✓	Recommended	2021-22 and 2022-23
Continuation Research Center	Physics ✓	Recommended	2021-22 and 2022-23
Continuation Research Center	Mathematics ✓	Recommended	2021-22 and 2022-23
Continuation Research Center	Computer Science & Engineering ✓	Recommended	2021-22 and 2022-23
Continuation Research Center	Electronics & Communication Engineering ✓	Recommended	2021-22 and 2022-23

REGISTRAR
VTU, Belagavi

To,
The Principal,
R.R. INSTITUTE OF TECHNOLOGY,BENGALURU

Please Note: Though the Notification is issued for 1 academic year (Fresh) & 2 academic years (Continuation), the college has to pay the continuation fee of Rs. 5,000/- per department annually.

Copy to:

1. The Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation), VTU, Belagavi for kind information.
3. The Regional Director (I/c) of all Regional offices of VTU for kind information.
4. The Special Officer of Ph. D. Section, VTU, Belagavi.

4

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23341652, 23348840/48/49

44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

120. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
797.	44S_BE_2069	IoT BASED AIR QUALITY MONITORING SYSTEM USING MQ135 AND MQ7 WITH MACHINE LEARNING ANALYSIS	INFORMATION SCIENCE AND ENGINEERING	B.E.	Dr. NAVEEN M	Mr. MARTHAS Ms. KAVYASHREE S Mr. VINUTHA G S Ms. SWETA GUPTA	5000.00
798.	44S_BE_2455	DESIGN AND FABRICATION OF HOVERBOARD	MECHANICAL ENGINEERING	B.E.	Dr. CHANNABASAVARAJ	Mr. MANSIF KUMAR YADAV Mr. SUNCHIT LAWANIYA Mr. SURESH ASHU Mr. ROSHAN KUMAR SAH	7000.00
799.	44S_BE_2456	DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK	MECHANICAL ENGINEERING	B.E.	Mr. SHRIDHARMURTHY H N	Mr. SOORAJ P Mr. ULLAS K V Mr. SAJIN A S Mr. JITHINRAJ	8000.00
800.	44S_BE_4099	DESIGN AND FABRICATION OF PNEUMATIC COLLAPSIBLE STEERING	MECHANICAL ENGINEERING	B.E.	Dr. AMARNATH G	Mr. BHARATH R Mr. SIDDHARTH N Mr. GIRISH M A	8000.00
801.	44S_BE_4147	GROUND WATER CHARACTERIZATION AND QUALITY ASSESSMENT - A CASE STUDY IN CHIKKABANAVARA TOWN	CIVIL ENGINEERING	B.E.	Mr. GIRISH G	Mr. KIRAN R Mr. MANOJ R Ms. LAXMI Ms. SUNITHA N	5500.00

Note:

- Transaction details of sanctioned amount of **Rs. 33500/-** credited on **5th June 2021** by **NEFT 21060501033898R.R. INSTITUTE OF TECHNOLOGY**
- The evaluation of above projects will be conducted during July / August 2021 via online mode and participation in the online evaluation process is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Submit **softcopy of Synopsis in pdf (as per the format preferred in the KSCST website)** and report (PDF format in a single file) of project by **20th July 2021**, which will be uploaded in **KSCST SPP portal**.
- Synopsis and report must be named with Reference ID provided by KSCST (Eg: **44S_BE_0001**).

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.ksct.iisc.ernet.in/spp.html> || Email: spp@ksct.iisc.ernet.in || Phone: 080-23341652, 23348840/48/49

44th Series of Student Project Programme: 2020-21

BEST PERFORMING COLLEGE OF THE YEAR AWARD :

B.L.D.E.A'S VACHANA PITAMAHA DR. P. G. HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

"BEST PROJECTS OF THE YEAR AWARD"

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	COLLEGE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
1.	44S_BE_1386	PILLBOT: A NONCONTACT MEDICINE DISPENSING ROBOT FOR PATIENTS IN QUARANTINE	A.C.S. COLLEGE OF ENGINEERING, BENGALURU	BIOMEDICAL ENGINEERING	B.E.	Prof. NANDITHA KRISHNA	Ms. SHEETAL RAMESH Ms. R NAVYA SREE Ms. RAJESHWARI SAJITH Mr. S KOSAL RAMJI
2.	44S_BE_0024	MECHANICAL POCKET MANURING	A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU	MECHANICAL ENGINEERING	B.E.	Dr. VIGNESHA NAYAK	Mr. SHAILESH V AITHAL Mr. RAHUL. P. SUVARNA Mr. VIKAS. P Mr. BHUVANESH. R. MALLYA
3.	44S_BE_0026	AUTOMATIC SOLAR POWERED RAILWAY TRACK CRACK DETECTING VEHICLE.	A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU	MECHANICAL ENGINEERING	B.E.	DR. SREEJITH B K	Mr. LIKITH S AMIN Mr. JACOB ANTONY Mr. JATIN KUCKIAN Ms. NEHA S JAIN
4.	44S_BE_3603	SMART PERSONAL PROTECTIVE EQUIPMENT FOR HEALTHCARE WORKERS TO COMBAT COVID-19	A.T.M.E. COLLEGE OF ENGINEERING, MYSURU	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	Mr. SHREESHAYANA R	Ms. SIMRAH FATHIMA Mr. HASEEBULLA BAIG Mr. MOHAMMED HUZAIF Mr. SYED RAWOOFUR RAHMAN
5.	44S_BE_2657	MOPSO BASED CNN FOR KEYWORD SELECTION ON GOOGLE ADS	ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU	INFORMATION SCIENCE AND ENGINEERING	B.E.	Mrs. ANJALI BV	Ms. PRANAMYA KASHYAP MP Ms. NISHA K GOWDA Ms. NITHYASHREE B L Ms. NOORUL HUDA

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	COLLEGE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
55.	44S_BE_2887	COVID-19 DETECTION USING COUGH	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Dr. JAYAVRINDA V.V Dr. RAGHUNANDAN SRINATH	Mr. HARI HARAN S Mr. GAURAV NAGESH
56.	44S_BE_1405	AUGMENTED REALITY IN EDUCATION	P.A. COLLEGE OF ENGINEERING, MANGALURU	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. M SHARMILA KUMARI	Mr. MUHHAMED AZAN Mr. MOHAMMED SHAHID Mr. MOHAMMED ARFAZ Mr. ABOOBAKAR SIDDIQUI
57.	44S_BE_2493	EXTRACTION AND ENHANCEMENT OF PROPERTIES OF CASTOR OIL BIODIESEL FOR BETTER PERFORMANCE IN DI ENGINE	P.D.A. COLLEGE OF ENGINEERING, KALABURAGI	MECHANICAL ENGINEERING	B.E.	Dr. M C NAVINDGI	Ms. ARUNA BSTHAVARMATH Ms. SHRUTI SAJJAN Ms. POOJA CHITNALLE Ms. ROOPA
58.	44S_BE_1032	GENERATION OF ELECTRICITY USING PLASTIC WASTE	P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	Mr. KIRAN M R	Ms. HARSHITHA S P Ms. DEEPA Ms. VASUNDHARA B V Ms. SINDHU N K
59.	44S_BE_2456	DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK	R.R. INSTITUTE OF TECHNOLOGY, BENGALURU	MECHANICAL ENGINEERING	B.E.	Mr. SHRIDHARMURTHY H N	Mr. SOORAJ P Mr. ULLAS K V Mr. SAJIN A S Mr. JITHINRAJ
60.	44S_MTECH_049	FEASIBILITY STUDY ON TUNED MASS DAMPERS SURROUNDED BY FLUID MEDIA IN STRUCTURES SUBJECTED TO EXCITATION	R.V. COLLEGE OF ENGINEERING, BENGALURU	STRUCTURAL ENGINEERING	M.Tech	Mr. DHANUSH S Dr. KARTHIK SHASTRY	Mr. YATHISH N V
61.	44S_BE_1768	SMART ELECTRIC CART FOR STREET VENDORS	RAO BAHADUR Y. MAHABALESWARAPPA ENGINEERING COLLEGE, BALLARI	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	Mr. LINGANAGOUDA R	Mr. K V MANOJ KUMAR Mr. MOHAMMAD MOEIZ AHEMAD Mr. AJAY KUMAR.C Mr. AKASH.S
62.	44S_BE_2422	SEMI AUTOMATIC ARECA COLLECTOR	S.D.M. INSTITUTE OF TECHNOLOGY, UJIRE	MECHANICAL ENGINEERING	B.E.	Mr. JAYARAM BHAT	Mr. SHRIMAN ANVEKAR Ms. VINAYA Mr. AJAY B K Mr. RAGHVENDRA KEDILAYA
63.	44S_BE_2424	RASPBERRY PI BASED READER FOR BLIND	S.D.M. INSTITUTE OF TECHNOLOGY, UJIRE	INFORMATION SCIENCE AND ENGINEERING	B.E.	Dr. G.P HEGDE	Ms. PRATIKSHA N. NAIK Ms. RAKSHA H. JAIN Ms. SOUJANYA SHRINIVAS SHETTY Ms. VAIDEHI D
64.	44S_BE_0897	STUDY ON DESIGN AND FABRICATION OF SMART BIN FOR SMART CITY	S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAAVI	CIVIL ENGINEERING	B.E.	Prof: MANJUNATH SHARANAPPANAVAR	Mr. SAGAR. C. KURI Mr. RAHUL V. PUJARI Mr. SAGAR B JANGANAVAR Mr. VIKAS V.S AMAJE



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Website: www.kscst.org.in

Certificate

This is to certify that Mr. SHRIDHARMURTHY H N member of the faculty of R.R. INSTITUTE OF TECHNOLOGY, BENGALURU participated in the Student Project Programme (SPP) during the year 2020 - 2021 (44th Series). He / She was the advisor to the group of students who completed the project entitled DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK. This project was adjudged as "Best Project of the Year" during the online evaluation of projects held during August 2021. This program is supported by Department of Science and Technology, Government of Karnataka and Department of Science and Technology, Government of India.

(H. Hemanth Kumar)
Executive Secretary
KSCST

(Prof. Ashok M. Raichur)
Secretary, KSCST and
Professor, Department of Materials Engineering, IISc



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Website: www.kscst.org.in

Certificate

This is to certify that Mr. SOORAJ P, Mr. ULLAS K V, Mr. SAJIN A S and Mr. JITHINRAJ students of R.R. INSTITUTE OF TECHNOLOGY, BENGALURU participated in the Student Project Programme (SPP) during the year 2020 - 2021 (44th Series) and completed the project entitled DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK under the guidance of Mr. SHRIDHARMURTHY H N. This project was adjudged as "Best Project of the Year" during the online evaluation of projects held during August 2021. This program is supported by Department of Science and Technology, Government of Karnataka and Department of Science and Technology, Government of India.

(H. Hemanth Kumar)
Executive Secretary
KSCST

(Prof. Ashok M. Raichur)
Secretary, KSCST and
Professor, Department of Materials Engineering, IISc



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IQAC

VOUCHER

Received a sum of Rs.2000.00/- (Two thousand rupees only) towards Incentives for Research publication UGC Journal for the academic year 2020-21 from RR Institute of Technology, Bangalore-90.

Name of Person: Mr. BN Mohan Kumar

Date: 22.10.2021

Name of the Journal:

Title of the Paper:

ISSN No:

BN Mohan Kumar
Signature

Title! - Design & implementation of high speed and low-power consumption Moore based Loopback adder on FPGA

IJIUS - 09-2020-0056



R. R. INSTITUTIONS

Chikkabanavara, Bengaluru-560090

QUALITY ASSURANCE CELL (QAC)

APPLICATION FOR RESEARCH PUBLICATION INCENTIVES

NAME OF FACULTY: B. N MOHANI KUMAR
 DEPARTMENT: ECF DESIGNATION: Assistant professor.
 COLLEGE: RRIT

APPLYING FOR INCENTIVE (TICK APPLICABLE):

PAPER IN JOURNAL
 WITH ISSN (5 Papers with Impact Factor 5 or more)
 Rs.2000/-

PAPER
 WITH ISBN
 Rs.1000/-

BOOK
 WITH ISBN
 Rs.2000/-

SIGNATURE OF APPLICANT: B. N Mohan Kumar DATE: 05/07/2021

ENCLOSURE / CHECKLIST:

- 1) ORIGINAL JOURNAL OR BOOK FOR WHICH INCENTIVE IS CLAIMED
- 2) PHOTOCOPY OF: (whichever applicable)
 - a. Journal: First sheet of the paper displaying Title, Author Name, Journal Name and ISSN compulsory
 - b. Proceedings: i. Index sheet mentioning Title and Author Name
ii. Front and back cover page of proceeding showing ISBN number
 - c. Book: Front and back cover displaying Title, Author's name and RR Institution affiliation and ISBN number

VERIFIED & FOUND CORRECT: The journal is listed in web of science.

RECOMMENDATION FOR INCENTIVE: YES / NO

DATE: 5/7/21

PRINCIPAL: Mahendran 5/7/21

PRINCIPAL

VERIFIED & FOUND CORRECT: web of science listed R. R. INSTITUTE OF TECHNOLOGY
 Chikkabanavara, Bangalore-560090

RECOMMENDATION FOR INCENTIVE: YES / NO

DATE: 5/7/21

DIRECTOR-QAC: [Signature] Director

Rs. 2000/- can be sanctioned Quality Assurance Cell (QAC)
 R R Institutions, Bengaluru - 560090

DIRECTOR-PKMET: [Signature]

SECRETARY-PKMET: [Signature]
23/8/2021

Design and implementation of high-speed and low-power consumption Moore-based loopback adder on FPGA

Moore-based
loopback adder
on FPGA

B.N. Mohan Kumar and H.G. Rangaraju
*RRIT, Govt. SKSJIT, Bengaluru, India and
Visvesvaraya Technological University, Belgavi, India*

Received 27 September 2020
Revised 5 November 2020
5 December 2020
Accepted 12 January 2021

Abstract

Purpose – Finite impulse response (FIR) digital filters are a general element in several digital signal processing (DSP) systems. In VLSI platform, FIR is a developing filter because the complexity of design grows with the length of the FIR filter and also it has less latency. Generally, the FIR filter is designed dominated by the multiplier and adder. The conventional FIR filters occupy more area because of several numbers of adders and multipliers for filter designs.

Design/methodology/approach – To overcome this issue, the Vedic Multiplier (VM) and Moore-based LoopBack Adder (MLBA) approach-based optimal FIR filter were designed in this research. Normally, the coefficient has been generated manually, which performs the FIR filter operation. So, the coefficient was generated from the MATLAB filter design and analysis tool. All pass coefficient was introduced in this research, which performs the processing element (PE). The VM approach was utilized in the PE to multiply the filter inputs and coefficients. This research employs the Moore-based LBA (MLBA) in the accumulator for the adding output of the PE. An MLBA approach is a significantly reduced area and increases speed by applying a looping transform function. Here, the proposed method is called a VM-MLBA-FIR filter. In this research, the FIR filter was done in Field Programmable Gate Array (FPGA) Xilinx by using Verilog code on various Virtex devices.

Findings – The experiment results showed that VM-MLBA-FIR filter reduced 26.88% of device utilization and 0.32 W of minimum power consumption compared to the existing PSA-FIR filter.

Originality/value – The experiment results showed that VM-MLBA-FIR filter reduced 26.88% of device utilization and 0.32 W of minimum power consumption compared to the existing PSA-FIR filter.

Keywords Finite impulse response, Moore based loopback adder, Processing element, Vedic multiplier, CSLA adder

Paper type Research paper

1. Introduction

In the past few days, digital filter design (DFD) is one of the interesting research topics because the researchers are concentrated in this field. The IIR filter designs are unstable because due to the non-linear phase and recursive architecture (Barsainya *et al.*, 2017; Bindima and Elias, 2017; Srivatsan and Venkatesan, 2019). FIR filters are frequently used in different kinds of applications such as wireless, signal and audio. Mainly FIR filters are operated at low power mode and less complexity which helps for the researchers to develop the various applications (Dhabal and Venkateswaran, 2017; Harize *et al.*, 2013; Mohanty *et al.*, 2016; Sanchez *et al.*, 2019).

In past decades, many researchers developed an efficient FIR filter design for higher-level applications. Among these, some filter designs are described as follows. FIR filter is implemented based on the Genetic Algorithm (GA) to overcome the integer programming issue. But, the area is so high due to the usage of the structural adders (Chen *et al.*, 2018). In Bhat *et al.* (2015), less-power FIR filter design is implemented on the FPGA platform for wireless communication applications, but it consumed more hardware cost (Tsao and Choi, 2010). In Mittal *et al.* (2017), the FIR filter required a high sampling rate which complicated the filter operation. Keeping the above drawbacks in mind, this research work has been carried



**Conference
Proceedings**

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**R R Institute of Technology
Department of Civil
and Mechanical Engineering**

Published By

**International Journal of
Engineering Research
and Technology
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International Conference on Research Trends in Engineering & Management

ICRTEM-2021

20th - 21st August 2021

**Virtual
Conference**



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R R INSTITUTE OF TECHNOLOGY, BANGALORE, INDIA

IN ASSOCIATION WITH

INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP)

ISBN : 978-93-92105-00-5



P K M Educational Trust®

R R Institute of Technology

*The Management, Principal, HODs, Faculty and Students
cordially invite you to*

Meraki - 2018

ANNUAL PROJECT EXHIBITION

Chief Guest

Dr. N. Chikkanna

Chairman

Institution of Engineers, India
Karnataka State Centre
Bangalore

Guests of Honor

Sri. Y. Raja Reddy

Chairman, PKMET

Sri. Kiran H. R.
Secretary, PKMET

Sri. Arun H. R.
Director, PKMET

Presided by

Sri. Ramakrishna Reddy

CEO, RRIT

Dr. M. B. Manjunatha

Principal

18th May 2018, 10.30 am to 4.00 pm, Seminar Hall, Main Block

PHOTOS OF MERAKI – 2018 PROJECT EXHIBITION HELD ON 18/5/2018



PROF. DHANANJAYA M K WITH STUDENTS WHO WON 1ST PRIZE FOR THEIR PROJECT WORK IN COMPUTER SCIENCE DEPARTMENT



PROF. PREMA C WITH STUDENTS WHO WON 2ND PRIZE FOR THEIR PROJECT WORK IN COMPUTER SCIENCE DEPARTMENT

RR INSTITUTE OF TECHNOLOGY – MERAKI PROJECT EXHIBITION -2018

LIST OF PRIZE WINNERS DEPARTMENT WISE

L NO	TITLE OF THE PROJECT	NAME OF STUDENTS	NAME OF GUIDE	PRIZE WON	STUDENT'S SIGNATURE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING					
1	EFFICIENT AND FINE GRAINED BIG DATA ACCESS CONTROL SCHEME WITH PRIVACY PRESERVING POLICY	KIRAN KUMAR DINESH KAVYA DEEPIKA	Prof. DHANANJAYA	I	Received Rupee 5000 Cash Prize
2	INTELLIGENT TRAFFIC LIGHT CONTROL USING EMBEDDED SYSTEM	ALVIRA ANSARI FAIYAZ AHMED GAURAV ARYA	Prof. PREMA C	II	Received Rupee 5000 Cash Prize
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING					
1	IOT BASED ANTI POACHING SECURITY SYSTEM FOR TREES IN FOREST	BHAGVAN DAS AGRAHAARI SANKETH ADHIKARI AND SAGAR G C	Prof. VANI SAGAR AND Prof. SINDHOOR	I	Received Rupee 5000 Cash Prize
2	DIGITAL NOTICES USING VOICE TO TEXT CONVERSION	CHIRAG P SANJAY KUMAR G SIBIN W	Prof. SWETHA K B	II	Received Rupee 5000 Cash Prize

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

BASED FEATURE
EXTRACTION AND
RECOVERING FOR FINGER

REKHA
RAMACHANDRIAH M
VIKYATH

DR. MANOJ

I

Received Rupee 5000 Cash Prize

AGRICULTURAL CROP
MONITORING USING IOT

LEELA
MEGAHANA
RAKSHITHA
ROOPA

Prof. PREM SAGAR

II

Received Rupee 5000 Cash Prize

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IOT BASED FLOOD
MANAGEMENT AND
ALERTING SYSTEM

PREM KUMAR
RAJU S
RANJITHA M R
SHRUTHI P

Prof.SUNANDA C V

I

Received Rupee 5000 Cash Prize

IOT BASED WASTE
MANAGEMENT FOR
SMART CITY

PUNITH B M
BHARATH P S

NAVANEETHA KRISHNA R

II

Received Rupee 5000 Cash Prize

DEPARTMENT OF MECHANICAL ENGINEERING

1	WHEEL CHAIR CUM BED	SANTOSH JOSHI SUJAN BHATTACHARAI ABUT DUMRE OM PRAKASH SINGH	Prof. KEERTHI PRASAD	I	Received Rupee 5000 Cash Prize
2	ELECTRICAL STEERING WITH ADAPTIVE LIGHTING SYSTEM	NAVACHETAN REDDY G ABHISHEK R DILEEP N PUNEETH J	DR. ARUL MANI	II	Received Rupee 5000 Cash Prize

DEPARTMENT OF CIVIL ENGINEERING

1	WASTE WATER TREATMENT USING VERMI FILTERATION TECHNIQUE	SWATHI D MEGHASHREE N SNEHA P USHA K	Prof. GURU BASAVARAJA	I	Received Rupee 5000 Cash Prize
2	COMPARATIVE ANALYSIS OF SOIL MOISTURE USING DIGITAL SENSOR FOR IRRIGATION PURPOSE	AJITH SAGAR J T PRATEEKSHA R KEERTHANA	Prof. R. S. PATIL	II	Received Rupee 5000 Cash Prize

Convener - Project Exhibition 2018

(V. HARISH)

18/6/18

Principal

28/6/18



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Meraki - 2019

ANNUAL PROJECT EXHIBITION

Certificate of Award

This is to certify that, the project titled

Design, fabrication and analysis of pneumatic ocean waves energy converter

with Project members

Rajesh N, Dasshan K.V, Gagan J, Yathish K J

Project Guide :- Dr Anasuth G.

is nominated as **Best Project, Mechanical Engineering**

in the annual project exhibition held on 3rd May 2019.

Convener
Meraki-2019

HOD,
Dept. of ME

Principal
RRIT



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Meraki - 2019

ANNUAL PROJECT EXHIBITION

Certificate of Award

This is to certify that, the project titled
SMART BLIND MAN STICK

with Project members

D PRAMODH . PUNEETHAN

is nominated as **Best Project, Electronics & Communication Engineering**

in the annual project exhibition held on 3rd May 2019.

Convener
Meraki-2019

HOD,
Dept. of ECE

Principal
RRIT



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Department of Civil Engineering

- **RRIT Model – Frount elevation**





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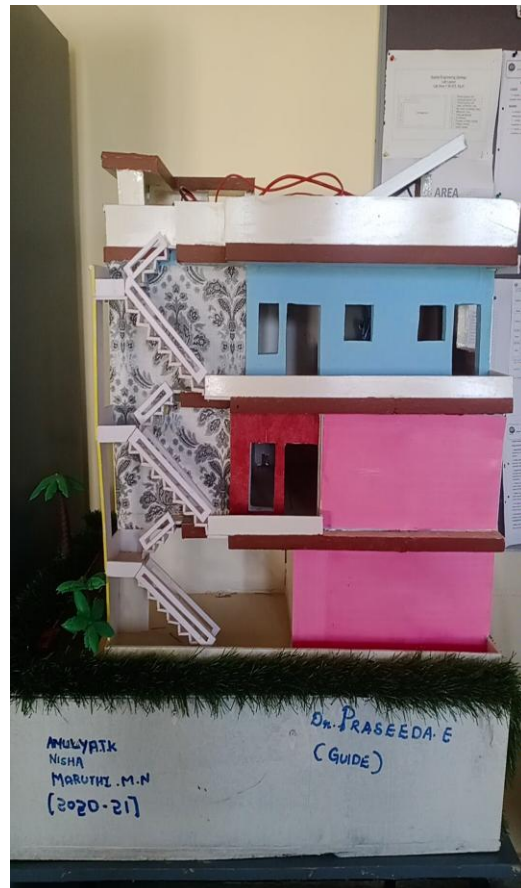
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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Civil Engineering

- Working models of green building





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RRIT Alumni Association

REPORT OF ALUMNI MEET 2K22

The Alumni Meet 2K22 of R R Institute Technology Alumni Association was held on May 29th 2022 in R R Auditorium to facilitate, consolidate and coordinate Alumni Activities at RRIT.

Registration started at 10AM morning and welcome gifts given for alumnus during registration. Alumni meet function started at 11AM, started traditionally with the lighting of lamp by the dignitaries of the program and followed by the invocation song by **Ashmitha Das**, student of civil department. **Dr. G Sanakara**, Head of Civil Engineering Department has welcomed all the dignitaries, alumni, faculties and students.

Chief Guest of event Dr.Mahendra K V, Principal RRIT briefed the significance of the day for the growth of the institute and importance of alumni meet. Mr. Darshan B P, President of RRIT Alumni association has given brief introduction about association and vision of association.

From alumni association final year project reviews conducted from 18/5/22 to 21/5/22 and following are finalized projects from each department.

Price Amount – 1st prize = 7000/-

2nd prize = 5000/-

3rd prize = 3000/-

Consolation Prize = 1000/-

1. 1st prize - Electrical and Electronics department of engineering

Project Title: Generation of Electrical Energy from Noise and Mechanical Stress

Students: VARUN K (1RI17EE015)

BHARATH KL (1RI17EE014)

PRARTHAN SB (1RI16EE004)

TASHI W BHUTIA (1RI16EE012)

2. 2nd prize – Department of Civil Engineering

Project Title: Landslide Susceptibility Mapping Using GIS Based Statistical Models and Remote Sensing In Tropical Environment

Students: ANUPAMA.R.RAIKAR (1RI18CV003)

YASHAS.S.N (IRI17CV055)

DIVYA.H (IRI19CV403)

3. 3rd prize – Department of Mechanical Engineering

Project Title: Design and Fabrication of Underwater ROV for Detecting Foreign Body

Students: TRINAYAN BORTHAKUR (IRI18ME031)

TABREJ ALAM ANSARI (IRI18ME030)

AMIT KUMAR BHAGAT (IRI18ME003)

4. Consolation prize – Department of Computer Science Engineering

Project Title: Solar Powered multifunctional robot for smart agriculture controlled using android

Students: HARSHINI S (IRI18CS024)

KEERTHANA S (IRI18CS027)

MONIKA S (IRI18CS034)

NITHISH K (IRI18CS036)

5. Consolation prize – Department of Electronics and communication Engineering

Project Title: Early Stage Detection of Brain Tumor using Image Segmentation and Machine Learning Techniques

Students: NAKSHA R (IRI15EC027)

CHEZHAN P C (IRI16EC007)

YESHWANTHH KUMAR S A (IRI16EC033)

6. Consolation prize – Department of Information Science and Technology

Project Title: Intrusion Detection-Prevention System for Android Devices using Android Application Development

Students: PURUSHOTHAM SHARMA R (IRI17IS017)

ANAND THAKUR (IRI17IS005)

AHMED MUSTAFA MOHAMEDOSMAN AHMED (IRI16IS002)

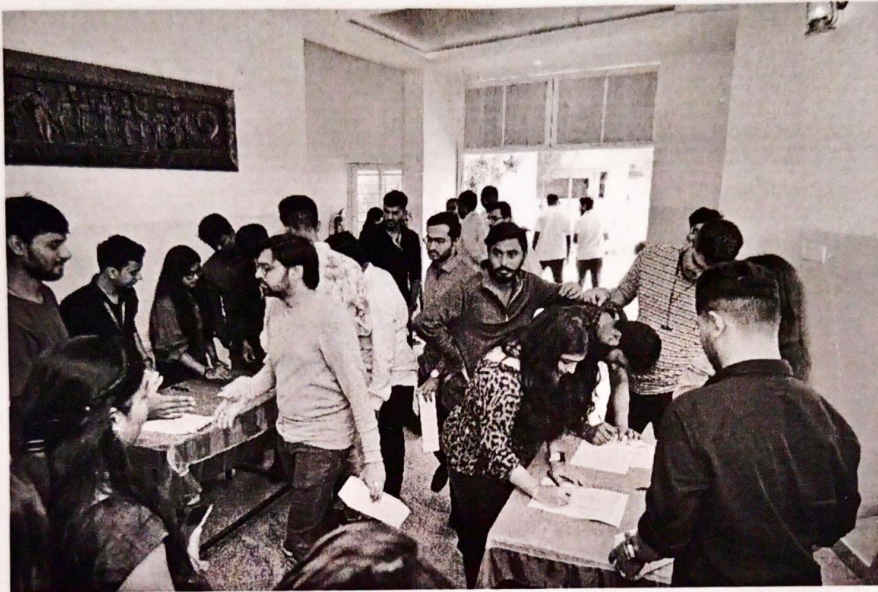
AAYUSH GAUTAM (IRI15IS001)

120 Alumni of various batches graced the occasion; few of the alumni shared their experience as well as interesting moments of campus life to the audience. As a part of entertainment program, cultural events were organized for alumni. It was matter of great pride for RRIT that its Alumni are holding positions of responsibility in various Government organizations, Private sector, Academic Institutions. Many of them are successful entrepreneurs providing jobs to others as well. Their contribution towards the growth of their Alma Mater and emphasized the need for further strengthening the linkage between

the Alumni and RRIT and current students. At the end of event, Prof. Deepika R Alumni Committee Head delivered votes of thanks.

A delicious lunch served for all the alumni members, final year students and all staffs of RRIT at the end of alumni meet.

GALLERY



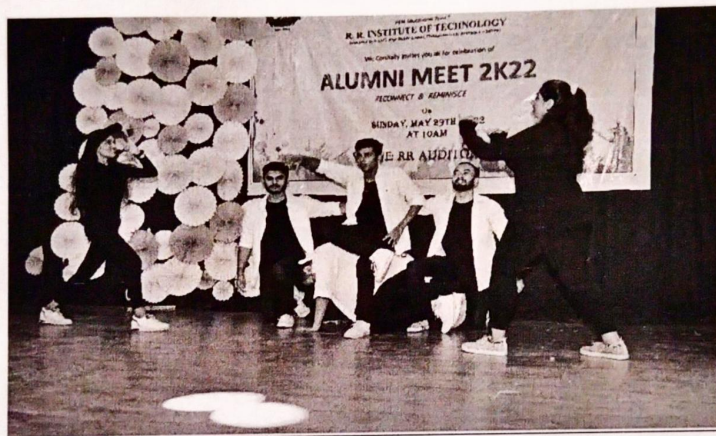
Registration and distribution of welcome gift to alumni



Lighting Lamp by Dignitaries



Distribution of Prize to project review awardees



Cultural Performance by RRIT Students



A special performance by Alumni Neil Newton (2015 Batch EEE)



AN ASSOCIATION WITH
PKM Education Trust
R. R. INSTITUTE OF TECHNOLOGY
Accredited by NAAC, Raja Rishi University of Management, Bangalore

Cordially invites you all for celebration
ALUMNI MEET

RECONNECT & REMINISCE

On
MAY 29TH, 2023
10AM

AUDITORIUM





Lunch Arrangement



Group Photo

Alumni Meet 2K22 live streamed through platform you tube
You tube Link - <https://youtu.be/1CaajMmUMSk>

Deepika R
Committee Head 30/5/22

Prabhu 30/5/22
PRINCIPAL
PRINCIPAL
R.R. INSTITUTE OF TECHNOLOGY
Chikkabhallavara, Bagalur - 506009



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RRIT - IIC

Institution's Innovation Council

"Ministry of Education, Govt. of India has established an 'Innovation cell' with a purpose of systematically fostering the culture of Innovation in all Higher Education Institutions (HEIs) across the country"

Introduction :

Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years.

MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses.

Major focus of IIC :

To create a vibrant local innovation ecosystem. Start-up supporting Mechanism in HEIs. Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework. Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas. Develop better Cognitive Ability for Technology Students.



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RRIT - IIC

Functions of IICs :

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries.



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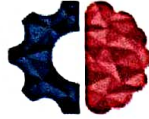
RRIT - IIC

IIC Committee members:

Sr. No.	Name of Member	Key Role /Position assigned in IIC	Department
1	Dr.Mahendra K V	President	ME
2	Dr. C. N Suresha	Convener	ME
3	Mr. Mohan Kumar B N	Innovation Activity Coordinator	ECE
4	Mr. LohithKumar	Start-up activity Coordinator	ME
5	Mrs. Monica. R	Innovation Activity	Admin
6	Dr.Channabasavaraj S	IPR activity Coordinator	ME
7	Mr. Chitharanjan Das V	Social Media Coordinator	ECE
8	Dr. Kumar R Rao	ARIYA Coordinator	CV
9	Dr.Mahendra K V	NIRF Coordinator	ME
10	Mr. Prashanth K K	Member 1	Mathematics
11	Mrs. Sunanda	Member 2	Elect.& Electronics Engg.
12	Mrs. Madhavi Dasari	Member 3	Elect.& Electronics Engg.
13	Dr. Sowmya A	Member 4	Physics
14	Mr. Vyshnav B	Member 5	EEE
15	Dr.Manjunatha. R	IP Expert/ Patent Expert	CSE, RRIT
16	Dr.Erappa	Startup / Alumni entrepreneur	ISE, RRIT
17	Dr. Sunitha H D	Ecosystem Enablers	ECE, RRIT
18	Mr. L N Prasad	Expert from nearby Industry	Lakshmi Vacuum Technologies Pvt. Ltd., Bengaluru.
19	Mr. Shivakumar	Nearby Incubation Centre representative	Mac Precitech India, 7th Main Road,, 2nd stage peenya Industrial Area, Industrial Area, Bengaluru, Karnataka 560058



Ministry of
Education
Government of India



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education, Government of India)



CERTIFICATE OF ESTABLISHMENT

This is to certify that

R R Institute of Technology, BANGALORE, Bengaluru Urban

has established an Institution's Innovation Council (IC202217926) in the campus as per the norms of Innovation Cell, Ministry of Education, Govt. of India during the academic calendar year 2021-22

Prof. Anil D. Sahasrabudhe

Chairman
AICTE

Dr. Abhay Jere

Chief Innovation Officer
Ministry of Education's Innovation Cell

Shri. Dipan Kumar Sahu

Assistant Innovation Director
Ministry of Education's Innovation Cell



Since 1993

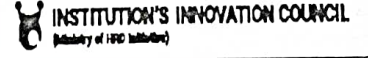
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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090



Date: 10-01 -2023

No: RRIT/ IIC/2022-23/010

Circular

ICC council members are hereby informed to attend **Orientation Session** of the Institutions' Innovation Council (IIC5.0) for the academic year 2022-23 in virtual mode without fail.

Date: 11th Jan 2023,

Time: 11:00 AM

MIC's You tube Channel: <https://www.youtube.com/MoEInnovationCell>

Direct Link: <https://youtu.be/gPx6hqiQVkg>

Sr. No.	Name of Member	Key Role in IIC	Signature
1	Dr.Mahendra K V	President	
2	Dr. Suresha C N	Convener	
3	Dr Niranjan R chougala	IP expert	
4	Dr. Sunitha H D	Ecosystem Enablers	
5	Dr. Manjunatha. R	Patent Expert	
6	Dr Naveen M	Innovation Activity Coordinator	
7	Mrs. Monica. R		
8	Dr. Kumar R Rao		
9	Mr. Mohan Kumar B N		
10	Dr.Channabasavaraj S	IPR activity Coordinator	
11	Mr. Chitharanjan Das V	Social Media Coordinator	
12	Dr.Erappa	Start-up activity Coordinator	
13	Mr. Lohith Kumar		
14	Dr Gullapalli Shankara	Startup (Alumni entrepreneur)	
15	Mrs. Sunanda	Student activity coordinator 1	
16	Mrs. Madhavi Dasari	Student activity coordinator 2	
17	Dr. Sowmya A	Student activity coordinator 3	

Suresha
10/01/23

Convener -IIC
Dr Suresha C N,
Professor- ME

Copy to Director Sir

Mahendrak
Principal 10/01/23



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Name of the Event: 1st Idea Pitching Competition

Convener : Dr Suresha C N, Professor -ME





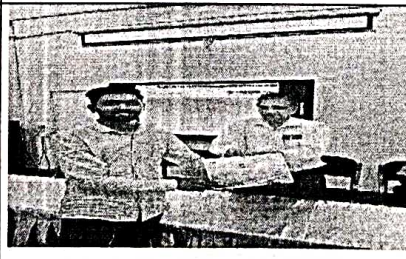

Date: 3rd December 2022

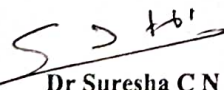
Venue :RRIT

Report

“1st Idea Pitching Competition” was organized by Institutions Innovation Council (IIC) on 3rd December 2022 (Saturday). The competition was inaugurated **Dr. Mahendra K V**, Principal. Over 25 student teams presented their Ideas in the form of posters covering various fields. Students from first year to final year have participated in the competition. Ideas with social relevance and practical were judged as best ideas for the competition. Best ideas were honored with certificates. **Dr Suresha C N** convener- IIC and his team organized the event.

Glimpses of 1st Idea Pitching Competition.

		
Inauguration by Dr Mahendra K V, Principal, RRIT	Dignitaries at poster presentation	Dignitaries at poster presentation
		
Valedictory Function	Winners of competition	Winners of competition


Dr Suresha C N
Convener –IIC
Professor, Mechanical Engineering


Dr. Mahendra K V
Chair Person -IIC
Principal



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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Present

1ST IDEA PITCHING COMPETITION (IPC)

Win Prizes

3rd December
22 (Saturday)

Guidelines



**DO YOU
HAVE THE
NEXT
BIG
IDEA?**
Pitching Competition

Registration
closes: 02
December 22

Register
<https://forms.gle/fc5Mg5PsRW7ekS646>



Student coordinators:

Mech: Ms. Shristee Yadav
3rd Sem, 6361767916
CSE: Ms. Sharmilaa
5th Sem, 9538004203

ECE: Mr. Anand T,
3rd Sem, 8431398696
ISE: Mr. Tarun
5th Sem, 6361284711

EEE: Mr. Dheeraj,
7th Sem, 7975942920
CV: Mr. Avishek Kumar Sah
3rd Sem, 7061657857

Basic Science: Mr. Vikash Prasad, 1st Sem, 7477477814

Faculty coordinators:

Mech: Prof. Lohith Kumar
8553201006
CSE: Prof. Veena MS
9945227056
Dr. Suresha C N
Convenor IIC-RRIT

ECE: Prof. Mohan Kumar B N
9035190425
ISE: Prof. Anil Kumar
97318769928

EEE: Prof. Sunanda C V
9986582781
CV: Prof. Abhishek,
9739372098
Dr. Mahendra K V
Principal

Basic Science: Dr Sowmya, 7411776783



1ST IDEA PITCHING COMPETITION (IPC)

AVOIDING ACCIDENTS BY MAGNETS

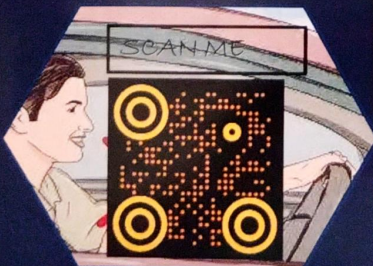


~TO MINIMIZE ROAD ACCIDENTS, I BOUGHT A NEW IDEA

i.e, BY INSTALLING MAGNET AT THE FRONT SIDE BACK SIDE OF THE VEHICLE, WITH THE SAME POLES



SPEED LIMIT 70

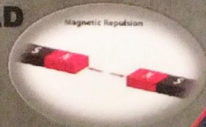
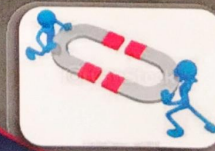


Causes of Road Accidents

- ~Over Speeding.
- ~Drunken Driving.
- ~Distractions to Driver.
- ~Red Light Jumping.



SO THAT, THE MAGNETIC POWER OF ONE VEHICLE REPULSE WITH THE MAGNETIC POWER OF ANOTHER VEHICLE, WHICH HELPS US TO AVOID ROAD ACCIDENTS

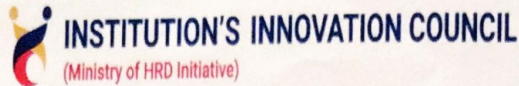




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IPC: 028

1st Idea pitching competition

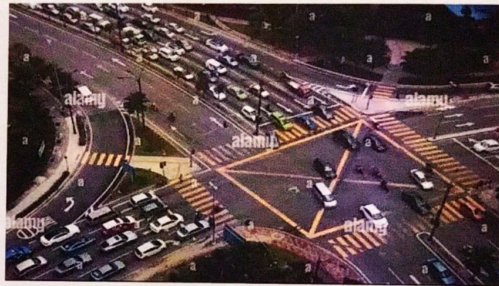
TEAM

1.Chaitra.R	1RI21IS010	3 rd sem	ISE
2.Gayathri.A.V	1RI21CS040	3 rd sem	CSE
3.Aishwarya.L	1RI21IS003	3 rd sem	ISE

Advanced traffic system control and management

What is our app

We are combining the advancement of technology with the current traffic system & presenting to you the idea of an app in association with the traffic department which helps to implement and monitor the traffic signal in a synchronized order depending on the density of the traffic at that junction.

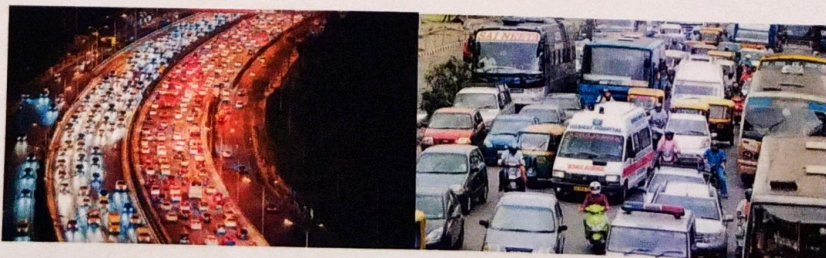


How We Work

Just like Google Maps our app detects the density of vehicles in the given junction, calculates the average time, speed & sets the duration of the signal thus helping in constant movement of vehicles.

In case of the presence of an ambulance or a VIP passing by, our app helps them to be notified and the signal changes according to their current location without the need for other commoners to wait for long for them to pass.

Our app also detects the change in speed of vehicles which might be due to bad roads, unnecessary humps, pot holes or road dug-ups and notifies to the authority.





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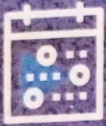
INSTITUTION'S INNOVATION COUNCIL

(MINISTRY OF HRD INITIATIVE)

1ST IDEA PITCHING COMPETITION

TRACKI 360

A NEW TOUCH OF SOLUTION



DAILY LOGIN



BIOMETRICS



GPS LOCATOR



WORK PERIOD



ALERTS



ATTENDANCE



SALARY TIME



" TECHNOLOGY IS SOCIETY MADE DURABLE "

A UNIQUE SOFTWARE DEVELOPED TO TRACK EMPLOYEES PERFORMANCE WITHOUT ANY MEDIATORS. THIS STRIKES DOWN THE ILLEGAL MANUPULATION AND HELPS THE OWNER TO TRACK DOWN THE PERFORMANCE WITHOUT ANY NEGOTIATOR. THIS SOFTWARE IS USER FRIENDLY AND CAN BE ACCESD AT ANY LEVEL WITH

" ONE TIME INVESTMENT "

FROM:-

**VEEKSHA S
 MANOJ GOWDA N
 SUMA
 (IPC-009)**



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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

CERTIFICATE

*This is to certify that Mr./Ms. _____
has participated in 1st Idea Pitching Competition (IPC) organized by Institutions
Innovation Council (IIC) held on 03rd December 2022 & won 1st / 2nd place in the
competition.*

Dr Suresha C N
Convener – IIC

Dr Mahendra K V
Principal

Full Data Report

[Generate Validate Report](#)

[Back \(/DSP/Dashboard\)](#)

R. R. Institute of Technology [ARI-C-1378][C-1378]

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Completion of Action Items (status as on 7th November 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	No
Institute has Action Plans for Implementation of the I&E Policy	No

Contact:

Faculty Name:	Dr. Suresha. C N
Designation:	Professor
Email ID:	rritnisp@rrit.ac.in
Mobile No.	7760587976

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	
IIC 2.0 (2019-20)	
IIC 3.0 (2020-21)	
IIC 4.0 (2021-22)	1

Contact:

IIC President of the Institute:	Mahendra K V
Designation:	Principal
Email ID:	rrit@rrinstitutions.com
Mobile No.	7899743333

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
1	Dr. Suresha C N	Basic	0
2	Mr. Lohith Kumar	Basic	0
3	Dr Niranjan R Chougala	Basic	0
4	Mr. Mohan Kumar B N	Basic	0
5	Mr. Chitharanjan Das V	Basic	0
6	Mrs. Sunanda C V	Basic	0
7	Mrs. Madhavi Dasari	Basic	0
8	Dr. Sowmya A	Basic	0
9	Mr. Vyshnav B	Basic	0
10	Dr.Sunitha H D	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-1378	Yes
HEI Participated in the Smart India Hackathon (2022)	C-1378	No

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Numbers of Beneficiaries/Participants Undergone the Course
1	INNOVATION DESIGN AND THINKING	21IDT19/29	2021-22	Core Course	Bachelor	Mechanical Engineering	1	13-12-2021 00:00:00	10-05-2022 00:00:00	149	15	Offline	25
2	CONSTRUCTION MANAGEMENT AND ENTREPRENEURSHIP	18CV51	2021-22	Core Course	Bachelor	CIVIL ENGINEERING	3	01-10-2021 00:00:00	31-01-2022 00:00:00	123	40	Offline	39
3	INNOVATION DESIGN AND THINKING	21IDT19/29	2021-22	Core Course	Bachelor	CIVIL ENGINEERING	1	13-12-2021 00:00:00	10-05-2022 00:00:00	149	15	Offline	60
4	INNOVATION AND DESIGN THINKING	21IDT19	2021-22	Core Course	Bachelor	ELECTRONICS AND COMMUNICATION ENGINEERING	1	13-12-2021 00:00:00	10-05-2022 00:00:00	149	15	Offline	59
5	INNOVATION AND DESIGN THINKING	21IDT19	2021-22	Core Course	Bachelor	ELECTRICAL AND ELECTRONICS ENGINEERING	1	13-12-2021 00:00:00	10-05-2022 00:00:00	149	15	Offline	22
6	INNOVATION AND DESIGN THINKING	21IDT29	2021-22	Core Course	Bachelor	COMPUTER SCIENCE AND ENGINEERING	1	06-06-2022 00:00:00	09-09-2022 00:00:00	96	15	Offline	135
7	INNOVATION AND DESIGN THINKING	21IDT29	2021-22	Core Course	Bachelor	INFORMATION SCIENCE AND ENGINEERING	1	06-06-2022 00:00:00	09-09-2022 00:00:00	96	15	Offline	64
8	TECHNOLOGICAL INNOVATION AND ENTREPRENEURSHIP	18ES51	2020-21	Core Course	Bachelor	DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING	3	01-08-2020 00:00:00	17-12-2021 00:00:00	504	40	Blended Mo	16
9	TECHNOLOGICAL INNOVATION AND ENTREPRENEURSHIP	18ES51	2021-22	Core Course	Bachelor	DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING	3	01-10-2021 00:00:00	31-12-2021 00:00:00	92	40	Offline	21
10	MANAGEMENT AND ENTREPRENEURSHIP	18EE51	2020-21	Core Course	Bachelor	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	3	01-08-2020 00:00:00	17-12-2020 00:00:00	139	40	Blended Mo	18
11	MANAGEMENT AND ENTREPRENEURSHIP	18EE51	2021-22	Core Course	Bachelor	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	3	01-10-2021 00:00:00	31-12-2021 00:00:00	92	40	Offline	15
12	Management Entrepreneurship for IT industry	18CS51	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	01-09-2020 00:00:00	17-12-2020 00:00:00	108	40	Blended Mo	60
13	Management Entrepreneurship for IT industry	18CS51	2021-22	Core Course	Bachelor	Computer Science and Engineering	3	01-10-2021 00:00:00	31-01-2022 00:00:00	123	40	Offline	60

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Numbers of Beneficiaries/Participants Undergone the Certificate Program
1	Destructive and non Destructive testing methods	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechanical Engineering	23-11-2021 00:00:00	27-11-2021 00:00:00	5	33	Offline	62
2	3D SURFACE MODELING USING SOLID EDGE	2021-22	Short-term Certificate Program	Self Sponsored/Supported	MECHANICAL ENGINEERING	25-04-2022 00:00:00	29-04-2022 00:00:00	5	30	Offline	30
3	HANDS ON SESSION ON TOTAL STATION IN ASSOCIATION WITH BASELINE SURVEY	2021-22	Short-term Certificate Program	Self Sponsored/Supported	CIVIL ENGINEERING	18-04-2022 00:00:00	22-04-2022 00:00:00	5	30	Offline	40
4	TRAINING PROGRAM ON ANALYSIS OF RCC AND STEEL STRUCTURE USING STAAD PRO	2021-22	Short-term Certificate Program	Self Sponsored/Supported	CIVIL ENGINEERING	08-11-2021 00:00:00	13-06-2022 00:00:00	218	30	Offline	40
5	ADVANCE SURVEYING AND TOTAL STATION	2021-22	Short-term Certificate Program	Self Sponsored/Supported	CIVIL ENGINEERING	19-04-2022 00:00:00	18-05-2022 00:00:00	30	30	Offline	19
6	Training on Junior Software developer	2021-22	Entrepreneurship Development Program (EDP)	Industry/Non-Govt.	ELECTRONICS AND COMMUNICATION ENGINEERING	31-03-2022 00:00:00	21-06-2022 00:00:00	83	400	Offline	102

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
No Data Found						

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
No Data Found					

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
No Data Found						

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email	Total Grants Received (from all sources)	Grant Support Received from Institution/Incubation	Awards/Recognition (National/International level) Received
No Data Found											

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment	Startup/Venture Recognized by DPIIT/Startup India	FY of Started Receiving Support from the Incubation unit at the Institute	Team Lead/Founder Name	Current Engagement of Team lead/Founder in Institute	DIN Number of Founder/Team Leader	Contact No	Email
No Data Found												

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
1	Medini Technologies	Non Govt. Agency	4	Active	15-07-2022	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Medini_20220927130
2	Mukesh Restyles Pvt Ltd.,	Non Govt. Agency	1	Active	13-11-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Mukesh_2022092713
3	Vishnu Forge Industries Limited	Non Govt. Agency	1	Active	06-09-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Vishnu_2022092713
4	Govt. Tool Room and Training Centre	Govt. Agency (State)	4	Active	04-01-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/GTTC_202209271319
5	CADMAXX , EdTech Pvt Ltd	Non Govt. Agency	1	Active	30-07-2022	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/CADMAXX, EdTech P
6	IFERP	Non Govt. Agency	2	Inactive	08-07-2020	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/IFERP_20220927135:
7	BUREAU OF INDIAN STANDARDS	Govt. Agency (Central)	1	Active	01-09-2022	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/BIS_2022092713561:
8	United Technologies Limited, Bangalore	Knowledge/Mentoring Agency	2	Active	04-02-2022	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/utl_1_202209271634
9	Acranton Technologies Pvt. Ltd., Bangalore	Corporate/Industry Association	2	Active	03-02-2020	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/CSE Acranton Techno
10	Eegle Automation & Engineering Services	Corporate/Industry Association	10	Active	29-12-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/eeg_1_202209271637
11	3N Electronics	Corporate/Industry Association	10	Active	13-11-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/3n_1_202209271640
12	Chira Information Technologies	Non Govt. Agency	3	Active	10-02-2020	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/CSE Chira Informatio

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
13	Construction management training Institute	Non Govt. Agency	5	Active	10-12-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/construction Manage
14	Reliable consultants and constructions	Non Govt. Agency	5	Active	13-11-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Reliable Consultants
15	Akruthi engineers and buliders	Non Govt. Agency	5	Active	13-11-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Akruthi Engineers_2C
16	Shikhar buliders and contractors	Non Govt. Agency	5	Active	13-11-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Shikhar builders_202
17	AMD Electricals and Constructions	Non Govt. Agency	5	Active	13-11-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/AMD ELECTRICALS_2
18	Manyathy Business Solutions	Non Govt. Agency	1	Inactive	09-08-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/CSE Manyathy (Indus
19	Amare Gouda Design & build Pvt Ltd.	Non Govt. Agency	3	Active	10-11-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Amare Gouda Design
20	Kodandu Ramu Civil & Electrical Contractor	Non Govt. Agency	5	Active	23-10-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/kadanda ramu_2022C
21	Sree Aaditri Consultancy and Engineering works	Non Govt. Agency	3	Active	04-01-2021	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/Sree Aaditri_202209;
22	Parvam Consultech Pvt. Ttd.	Non Govt. Agency	20	Active	20-02-2020	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/CSE PARVAM (Indust
23	SST Technologies	Non Govt. Agency	3	Active	10-01-2020	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/CSE SST Technolog
24	Acranton Technologies Pvt. Ltd.	Non Govt. Agency	2	Active	03-02-2020	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/ISE Acranton Technol
25	Parvam Consultech Pvt. ltd.	Non Govt. Agency	20	Active	20-02-2022	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/ISE Parvam Consulter
26	SST Technologies	Non Govt. Agency	2	Active	10-01-2020	View (/Uploads/Institute/ARI-C-1378/2021-22/CollaboratExternalAgency/ISE SST Technologies

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	AWS-Cloud Data Advanced Performance Improved using Machine and Deep Learning Programming.	Design	2021103769	30-06-2021	Yes
2	Machine Learning And Iot Based Smart Warehouse Management System For Early Detection Of Spoilage	Design	202141032726	20-07-2021	No
3	A Novel Technique For Autonomous Report Generation For Management Of E-Financial Governance	Design	202141039092	28-08-2021	No
4	Developing A Web Based System For Breast Cancer Prediction Using Xgboost Classifier.	Design	202121039140	30-08-2021	No
5	Text summarization and dimensionality reduction using learning approach	Design	202221011723	04-03-2022	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	POWER QUALITY ENHANCEMENT OF GRID INTEGRATED PV SYSTEM BY ARTIFICIAL INTELLIGENT CONTROLLER	202241021212A	08-04-2022
2	AWS-Cloud Data Advanced Performance Improved using Machine and Deep Learning Programming.	2021103769	30-06-2021
3	Machine Learning And Iot Based Smart Warehouse Management System For Early Detection Of Spoilage	202141032726	20-07-2021
4	A Novel Technique For Autonomous Report Generation For Management Of E-Financial Governance	202141039092	28-08-2021
5	Developing A Web Based System For Breast Cancer Prediction Using Xgboost Classifier.	202121039140	30-08-2021
6	Text summarization and dimensionality reduction using learning approach	202221011723	04-03-2022

7.3) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
1	2021103769	AWS-cloud Data Advanced Performance Improved using Machine & Deep Learning Programming	30-06-2021	Published	2022	Applicant	View (/Uploads/Institute/PatentFiledNew/ARI-C-1378/2021-22/ARI-C-1378_20221028122434.p
2	202041009857	AN NOVEL METHOD APPROACH OF WIRELESS SENSOR NETWORK AND DELAY-TOLERANT NETWORK DEPLOYMENT	07-03-2020	Published	2020	Applicant	View (/Uploads/Institute/PatentFiledNew/ARI-C-1378/2021-22/ARI-C-1378_20221028123538.p

7.4) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	Date of Transferred Technology
No Data Found						

(54) Title of the invention : IOT with malware forensics approach based on Darknet centric proactive deception technique

(51) International classification :A61P004300000, H04J0014020000, C07K0014470000, A61B0017000000, G06F0003048100

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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3)Dr.Deepankar Sharma
4)Dr.Birendra Kumar Chauhan
5)Ms Nidhi Hooda
6)Dr. Gaurav Sharma
7)Mr Ashutosh Bhatnaagar
8)Dr. Sivakumar R
9)Mohd Ehtesham
10)Mrs. B Jebaranjani
11)Mr. Gilder Cieza Altamirano
12)Mr. Brijesh Keswani
 Name of Applicant : NA
 Address of Applicant : NA
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7)Mr Ashutosh Bhatnaagar
 Address of Applicant :Assistant professor, BCA, Pt. Deen Dayal Upadhyay Management College, Meerut -----
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9)Mohd Ehtesham
 Address of Applicant :Ph.D, University full name: Jamia Millia Islamia (A Central University), Delhi -----
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 Address of Applicant :Assistant Professor, AI & DS, V.S.B COLLEGE Of ENGINEERING TECHNICAL CAMPUS, COIMBATORE -----
11)Mr. Gilder Cieza Altamirano
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12)Mr. Brijesh Keswani
 Address of Applicant :Computer Science & Engineering, Poornima Institute of Engineering & Technology, Jaipur -----

(57) Abstract :
 Traditional IoT honeypots are known to suffer from scalability and management issues while accumulating steep costs. Furthermore, their passive nature hinders the wide-scale aggregation of much needed IoT malware artifacts, thereby impeding their use for their measurement, analysis, and ultimately for anticipating and responding to large-scale IoT maliciousness. To this end, in this work, we introduce Honeycomb, a proactive deception technique for curating IoT malware forensics by taking advantage of IoT scans captured on the darknet (i.e., Internet telescopes). Honeycomb is built on the premise that we can make a large darknet network (ie, consisting of 16.7 million IPs) interact extensively with malware-infested IoT devices as one big honeypot. Such a large vantage point has been able to take an incomparably heavy look at the IoT cybersecurity posture compared to the specific, highly restricted, IoT honeypots currently available.

No. of Pages : 26 No. of Claims : 8

Application Details

APPLICATION NUMBER	202041009857
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/03/2020
APPLICANT NAME	<p>1 . Dr.Sunitha ,R R Institute of Technology 2 . Dr. B.N. Shobha, J C Institute of Technology 3 . Dr. Jayanthi kumari T R,East Point College of E engineering and Technology 4 . Dr.Sujatha.S,CHRIST 5 . R.Anita, East Point College of Engineering and Technology, 6 . Mrs. Jenitha A, Dr T Thimmaiah Institute of Technology 7 . Ms. Tamilvani R, Dr T Thimmaiah Institute of Technology 8 . M G Gurubasavanna ,Govt SKSJTJ, 9 . Galilveeti Poornima, Presidency University</p>
TITLE OF INVENTION	AN NOVEL METHOD APPROACH OF WIRELESS SENSOR NETWORK AND DELAY-TOLERANT NETWORK DEPLOYMENT
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	patentefiling@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/03/2020

Application Status

APPLICATION STATUS	Application Published
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[View Documents](#)



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.



PKM Educational Trust ®

R R Institute of Technology

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

Accredited by NAAC

Terms

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

(Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi & Government of Karnataka)

Department of Mechanical Engineering

Report on Industrial visit to CADMAXX Solutions Pvt. Ltd.

Date: 28-12-2019

About the industrial visit: Departmental of Mechanical Engineering had organized industrial visit for 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



R. R. Institute of Technology

Chikkabanavara, Bengaluru-560090

Dept. of Mechanical Engineering

ORGANIZING COMMITTEE

Chief Patron

Sri Y. Raja Reddy

Chairman, PKMET, Bengaluru

Patron

Sri Kiran H.R.

Secretary, PKMET, Bengaluru

Sri Arun H.R.

Director, PKMET, Bengaluru

Administrators

Shri. Prabhakar Rao

Administrator – R. R. Institutions

Prof. Maya Salimath G

Director QAC –R. R. Institutions

Chair Person

Dr. Srinivas G Bhat- RRIT,

Bengaluru

Convener / Organising Secretary

Dr. Amarnath G

Associate Professor, Dept of ME

Dr. Channabasavaraj S

Professor & Head, Dept. of ME

Mr. Shridharmurthy H N,

Asst. Professor, Dept of ME

Organising Committee Members

Mr. MohanKumar,

Assistant professor, Dept of ECE

Mr. Ganesh M,

Assistant professor, Dept of ISE

Dr. Arulmani L

Assoc. Professor, Dept of ME

Dr. Manjunatha G

Assoc. Professor, Dept of ME

Mr. Nagesh Kumar

Assistant professor, Dept of ME

Mr. Kalburgi Bharath

Assistant professor, Dept of ME

Mr. Murali

Assistant professor, Dept of ME

Student Members

Gyanu Dahal, 4th year

Aaditya Regmi, 4th year

Department of Mechanical Engineering in

association with ED cell

Cordially invites

One day online EDP on

“Entrepreneurship Awareness”

August 29th 2020, 10.30 AM

Venue: Online platform

CHIEF GUEST

Sri Y. Raja Reddy

Chairman, PKMET, Bengaluru

GUEST OF HONOR

Dr. Srinivas G Bhat,

Principal,

RRIT, Bengaluru

GUEST SPEAKER

Mr. Sumanth S Athreya,

Founder & Design Director,

Yantrova, Bangalore

Signature

COMMITTEE CO-ORDINATOR

Dr. Amarnath G,

Main co-ordinator, ED CELL

Signature

PRINCIPAL

Dr. Srinivas G Bhat.

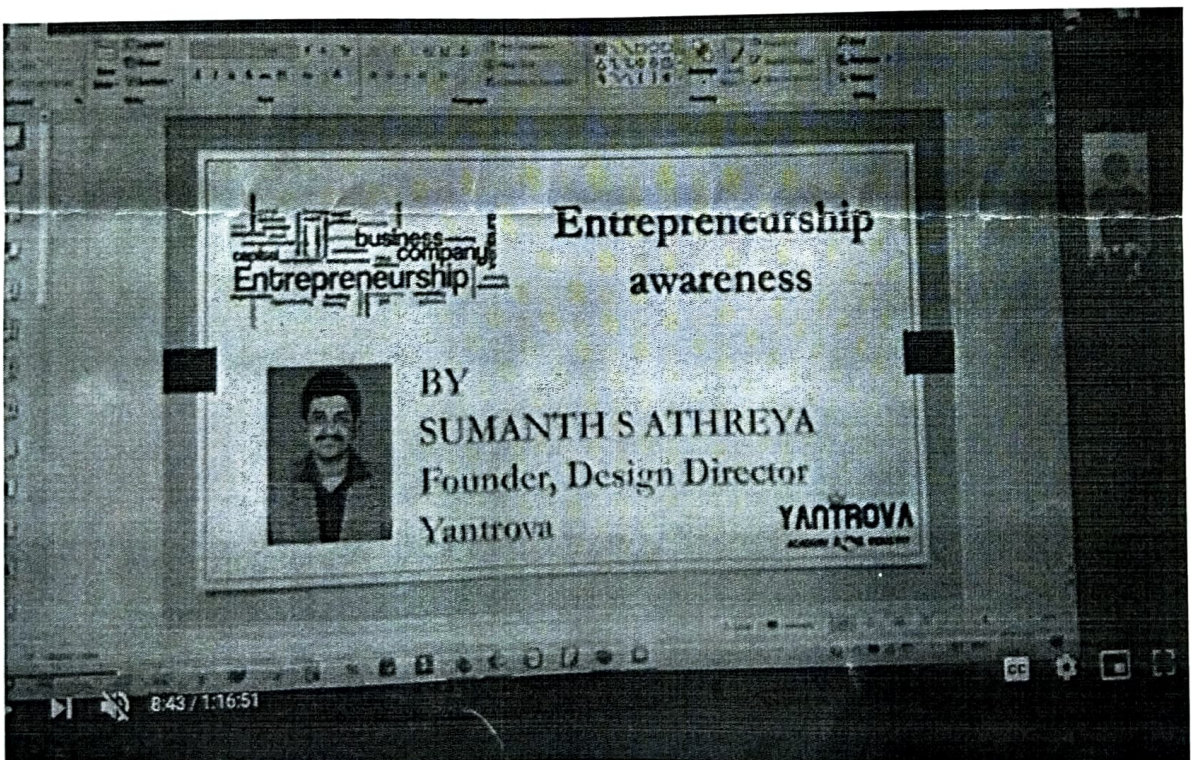
Vision of the college

to go beyond leaps & bound as an institute of par excellence in the arena of technical and professional education. Dev
human resources to a global standard through creative, dynamic and constructive learning process.”

Number of beneficiaries: About 50 students from various Departments.

Objective: To enhance knowledge and kindle the skills of the young minds aspiring to be Successful entrepreneurs.

Details of the resource person: The awareness camp was inaugurated by a young and dynamic Entrepreneur Mr. Sumanth Athreya Founder , Design Director YANTROVA specializing in entrepreneurship development activities covering institutional capacity.



Inauguration :

The inaugural ceremony started with welcoming the gathering and offering information on the very important field of Entrepreneurship.

Well come address was delivered by Dr.Amarnath.G Associate professor Dept of Mechanical engineering, RRIT.

Mr. Sumanth Athreya elucidated on the Entrepreneurship where students would orient with the firm which would help them understand the various fields in Entrepreneurship that has evolved out.

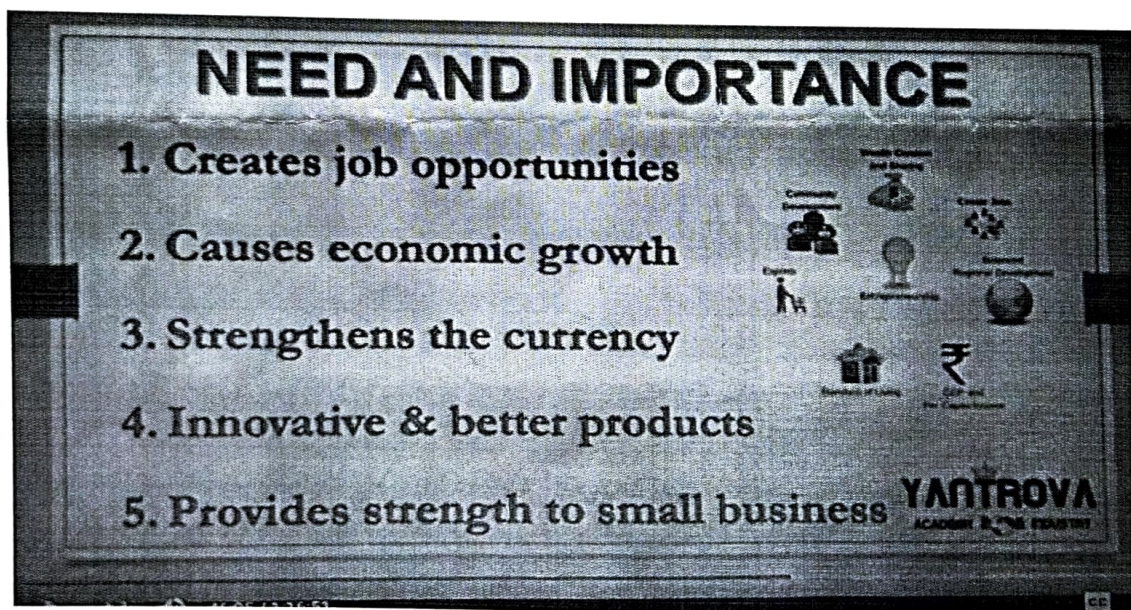
He also stated the importance of revisiting, dreaming and being passionate about what an individual wants to pursue.

He emphasized on the Entrepreneurship activities which create self employment and thereby economic growth and national development.

He explained different cases of entrepreneurs and the emphasis was on types of entrepreneurship and

its need and importance in the present situation where the unemployment problem is very high.

Main causes of unemployment solution to this problem were discussed.



He explained on the basis of economic development, entrepreneurs are classified in the manner that at the initial stage they have less initiative and drive and as economic development proceeds, they become more innovating and enthusiastic accordingly to this entrepreneurship is classified in to four types as follows.

Types of Entrepreneurship:

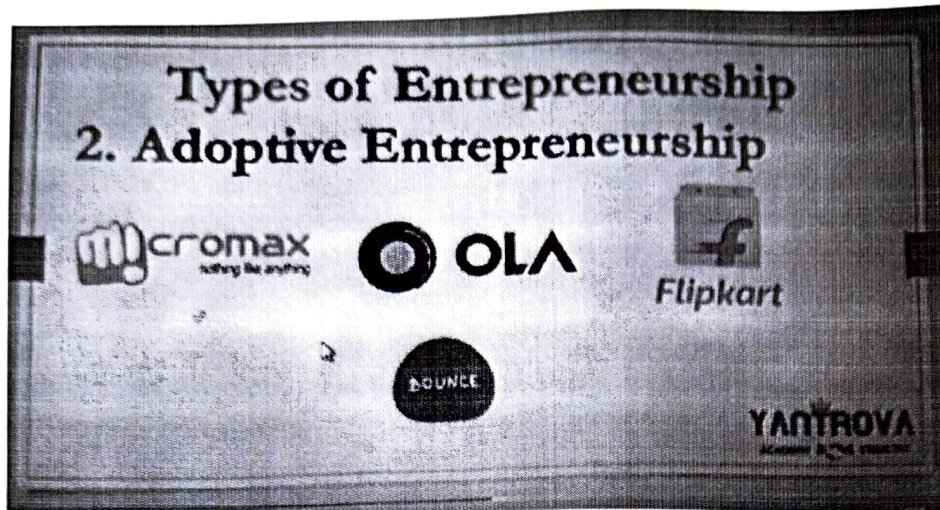
He gave very important information on the types of Entrepreneurship as illustrated below as it is the perseverance that brings out the light in them.

1. Innovative type.
2. Adoptive Entrepreneurship.
3. Fabian Entrepreneurship:
4. Drone Entrepreneurship

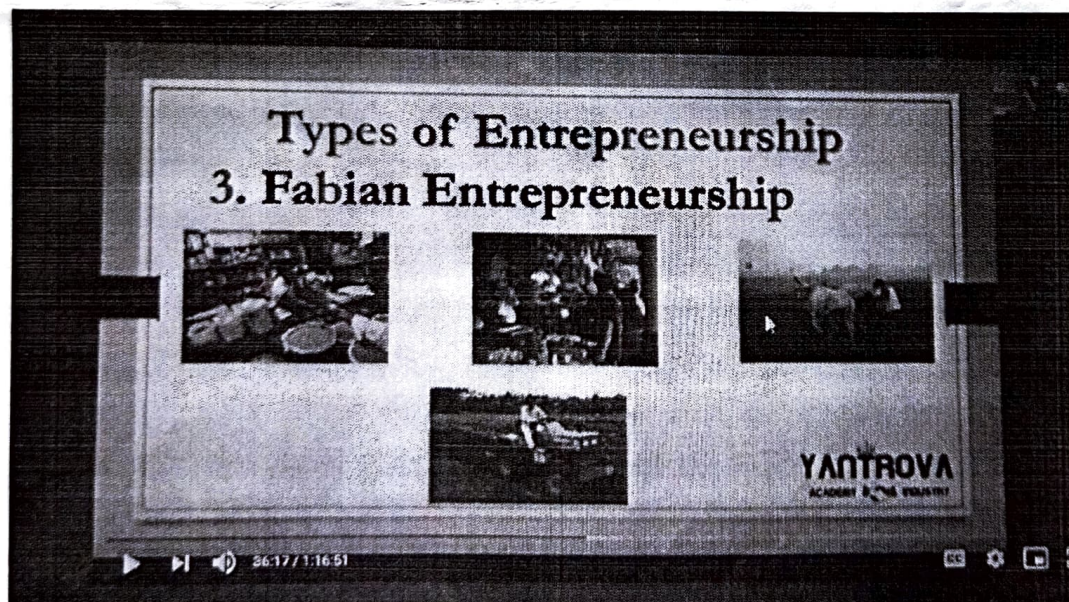
1. Innovative type: Innovating entrepreneurs are one who introduce new goods, inaugurate new method of production, discover new market and reorganise the enterprise. It is important to note that such entrepreneurs can work only when a certain level of development is already achieved, and people look forward to change and improvement. People work on their own and develop the innovative activities and develop into companies like Amazon Google etc.



2. Adoptive Entrepreneurship: These are characterized by readiness to adopt successful innovations inaugurated by innovating entrepreneurs. Adoptive entrepreneurs do not innovate the changes themselves, they only imitate techniques and technology innovated by others. Such types of entrepreneurs are particularly suitable for the underdeveloped regions for bringing a mushroom drive of imitation of new combinations of factors of production already available in developed regions. Smart methods and skills involving various technologies from foreign countries adopt here in their business and the companies shown below.

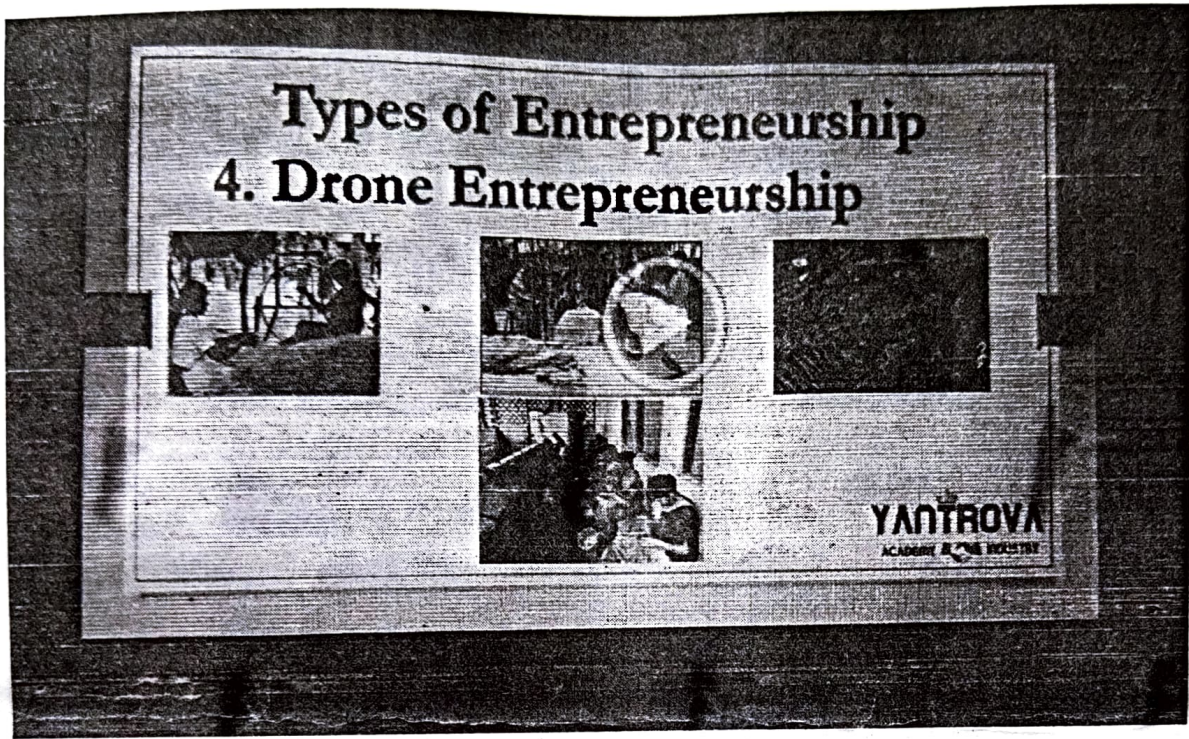


3. Fabian Entrepreneurship: Fabian entrepreneurs are characterized by very great caution and skepticism in experimenting any change in their enterprises. They imitate only when it becomes perfectly clear that failure to do so would result in a loss of the relative position in the enterprise. These people follow the traditional way of business without much of the new technologies like farming methods provisional stores etc as shown below.

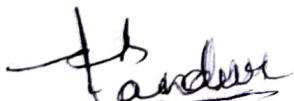


4. Drone Entrepreneurship: These are characterized by a refusal to adopt opportunities to make changes in production formulae even at the cost of severely reduced returns relative to other like producers. Such entrepreneurs may even suffer from losses but they are not ready to make

changes in their existing production methods. Here the people don't like to adopt modern methods but like to improve the various handicrafts hand loom weaving and also traditional methods in small scale type industries



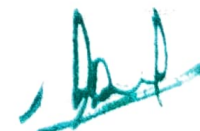
The programme ended with vote of thanks by Dr.Manjunath and all the participants had very interesting interaction in the **entrepreneurship programme**.


Dr.Chennabasavaraju

HoD_ Department of
Mechanical Engineering


Dr.Amarnath.G

Co-Ordinator
Dept. Of ME


Srinivas G. Bhat

Principal
RRIT



PKM Educational Trust

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Department of Computer Science & Engineering

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Assistant Professor, CSE Department

Prof. Arpitha Martin

Assistant Professor, ISE Department

Cordially invites all staff & Students for

International Online Seminar

On

"IPR and Patent Filing Procedure"

On 30th September 2020

at

3.00 PM to 4.30 PM

CHIEF GUEST

Sri. Y. Raja Reddy

Chairman, RRIT, Bangalore

GUEST SPEAKER

Dr. Ramesh Shahabdkar

Professor

Department of CSE

Ambo University

Woliso Campus Ethiopia

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

CURRICULUM VITAE

Dr. Ramesh Shahabdkar
Amity Harmony,
D329, Dwarakanagar,
Uttarahalli, Channasandra,
BSK 6th Stage
Bangalore-560061
Karnataka State (India)
Mobile
India: (+91) 8978979516 /9398035699
E-mail: rameshsly@gmail.com
Passport No: Z2345901
Date of Birth: 10th April 1966



POSITIONS HELD

Professor - Ambo University, Woliso Campus, Ethiopia.
Professor and Head – Computer Science & Engineering, Sapthagiri College of Engineering, Bangalore.
Dean - Industry Institute Interaction & Professor - Computer Science and Engineering Department, Vardhaman College of Engineering, Hyderabad.
Professor & Head - Computer Science and Engineering Department, YDIT, Bangalore.
Professor & Head -Computer Science and Engineering Department, DBIT, Bangalore.
Assistant Professor-Computer Science and Engineering Department, Christ University, Bangalore.
General Manager-Patent Services | Intrust Global Pvt Ltd – Bangalore, India.
Head-Information Technology Department, Sasurie College of Engineering, Coimbatore.
Head-Computer Science and Engineering Department, K.S. Group of Institutions, Bangalore.
Lecturer - Bahwan CyberTek LLC (Shinas College of Technology), Ministry of Manpower, Oman
Head-Patent - PnB TechWaves Pvt Ltd, Bangalore, India
Patent Consultant- Lakshmikumaran & Sridharan, New Delhi, India
Patent Analyst - Intellevate (India) Pvt. Ltd (Part of CPA Global), Noida, India
Assistant Professor – PES Institute Technology, Bangalore, India
Lecturer - PES Polytechnic, Bangalore, India
Lecturer & Head - Sandur polytechnic, Yeshwantnagar, India
Head - N.V.Polytechnic, Gulbarga, India
Programmer- Gulbarga University, Gulbarga, India

OBJECTIVES

I am an internationally known patent researcher, academician, and academic leader. I have excellent track records of enhancing academics, teaching-learning and training. I have 25 years of highly successful professional experience, out of which 5 years in patent research and 20 years in teaching at all levels of Engineering. I am down to the earth, friendly, honest and sincere leader with a very high degree of hands on situational and motivational leadership skills.

CORE COMPETENCIES

- | | | | |
|--------------------------|-----------------------------------|---------------------------|-----------------------|
| - Teaching & Mentoring | - Academic Leadership | - Academic Management | - Student Mentoring |
| - Career Counseling | - Employability Enhancement | - Inspirational Guide | - Academic Motivator |
| - Faculty Development | - Teaching-Learning Development | - Peer Mentoring | - Corporate Relations |
| - Curriculum Development | - Skills & Competency Development | - Center for Excellence | - Placements |
| - Patent Research | - Academic Content Development | - Consulting & Training | - Student Counseling |
| - Team Management | - Excellent Communication | - Research & Publications | - Brand Building |
-



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Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer Science & Engineering

Ref. Number: /RRIT/CSE/ /2020-21

Date: 01/10/2020

Report of International Online Seminar on “IPR and Patent Filing Procedure” on 30th September 2020

International Online Seminar on “IPR and Patent Filing Procedure” was organized by the department of Computer Science and Engineering on 30th September 2020 at 03:00 pm. 110 participants attended the program through Zoom App. Prof Arpitha Martin, welcome the speaker, Dr Ramesh Shahabdkar Professor Department of Computer Science Ambo University Woliso Campus, Ethiopia. She introduced the chief guest and spoke about the significance of the Program. The purpose of this seminar were to generate awareness among the participants about the various aspects of IPR and also sensitize the participants about the role of IPR in innovation and invention.

Intellectual Property (IP) is the idea in its intangible form generated in a person's mind. It is the result of an individual's creativity.

These creative works could be:

1. Inventions,
2. Literary works,
3. Artistic works, and
4. Symbols, names, images, etc., used in commerce.

Intellectual property is divided into two groups:

1. Industrial Property (includes patents for inventions, trademarks, industrial designs and geographical indications), and
2. Copyrights and related rights: Copyright covers literary works (such as novels, poems and plays), films, music, artistic works (e.g., drawings, paintings, photographs and sculptures) and architectural design.

Arpitha Martin

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



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Department of Computer Science & Engineering

Rights related to copyright include those of performing artists in their performances, producers of phonograms in their recordings, and broadcasters in their radio and television programs. Intellectual property is an important asset that drives innovation in the society. Intellectual property is seen as extremely essential for the overall growth and development of the society and economy. Intellectual Property has both moral and commercial value. Intellectual property is protected by law. The creator gets certain rights to use his/her creation and can exclude others to use his/her creation freely for a limited period of time. These rights are called Intellectual Property Rights (IPR).

The IPR ensures that the creator gets the benefit of his/her creation. This protection encourages people to create for the benefit of all. It also encourages investors in research and development a fair return on their investment. When the work protected by IPR is used, copied or exploited without the permission of the creator, it is infringement of the IPR. Plagiarism, counterfeiting, piracy are examples of IPR infringement. Infringement of IPR attracts severe penalties.

The Universities are the hub of intellectual creativity. Through their creativity, the student innovators and research scholars generate a lot of Intellectual Property that need to be protected. Creation also occurs during the generation of academic content in the form of text, graphics, audio, and video during the teaching- learning process. In the Open and Distance Learning system, where multiple media are used to generate and deliver content, copyrights and related rights come into immediate effect.

Also, research and development activities in the Universities generate various forms of Intellectual Property, such as patents. Therefore, it is important that the stakeholders in the Universities, such as the students teachers, and the administration be made aware of the different types of intellectual property. They also should be made aware of the different aspects of IPR infringement, such as plagiarism, and how to keep away from it.

Dr. H. S. Kumar

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



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Department of Computer Science & Engineering

He gave his remarks to illustrate the importance of IP and different types of Intellectual Property Right (IPR) along with the examples. He also explained the trade mark details and many patent world famous examples of patent including Turmeric, Basmati and Neem. He explained the relation between inventions and innovations, the gaps between lab research and innovative research and gave a glimpse of various models of academia-industry interactions, constraints felt and the efforts of the Government of India for financial support for this endeavour

He focused on the patentability aspects of invention, patentable subject matter and exclusions from patentability. He explains patentability assessment and the efforts being carried out by IPO for registration of IPRs. Throughout the presentation he gives many examples on what to be filed for patent. Finally explaining the process of filing the Patent application, Copyright application, Trademark application, Design application and the Scheme for Facilitating Start-ups Intellectual Property Protection. Role and view of IPO in granting any patent was presented in the concluding remarks followed by question answer session.

P. M. H.
01/10/2020
HOD

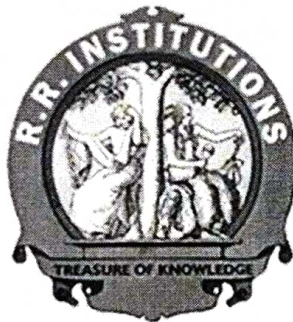
HEAD OF DEPARTMENT
Department of Computer Science & Engineering
R.R. Institute of Technology
Hesaraghatta Main Road
Chikkabanavara Bangalore

MEMORANDUM OF UNDERSTANDING BETWEEN



Karnataka State Council for Science and Technology
(KSCST), IISc Campus, Bengaluru

&



R R Institute of Technology (RRIT), Bengaluru



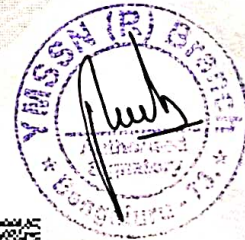
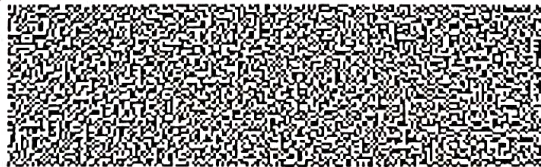
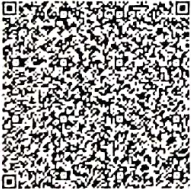
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R R Institute of Technology (RRIT), Bengaluru, setup with a mission of imparting education to all sections of society, was established in the year 2008 to render highest standards of academic achievement with moral and social commitments. Converting the idea of providing high quality education combined with excellent infrastructure into a reality in Indian context. R R Institute of Technology (RRIT) have proved the capability of placing students after completing their course in prestigious organization across the country and abroad. R R Institute of Technology (RRIT) is accredited with **B+** by NAAC. The UG programs **Computer Science Engineering, Information Science Engineering and Civil Engineering** are accredited by NBA.

Signature

Signature

Page 2 of 5

Statutory Alert:

- 1 The authenticity of this Stamp certificate should be verified at 'www.shelbestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile app renders it invalid.
- 2 The onus of checking the legitimacy is on the users of the certificate.
- 3 In case of any discrepancy please inform the Competent Authority.

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

Karnataka State Council for Science and Technology (KSCST) was established in the year 1975. It is one of the first State S&T Councils set up in the country. KSCST is an autonomous S &T organization under Department of Science & Technology, Government of Karnataka.

KSCST has been pro-actively engaging itself to identify, propose and implement S&T based solutions to locale specific needs/problems in the broad areas of Water, Education, Energy, Ecology and Environment, Waste management and Infrastructure. In co-operation with the Indian Institute of Science and several other premier R&D institutions, KSCST executes many projects and programmes aimed at improving socio-economic conditions of the people of the state.

Over the years, a number of technologies have been generated, from research and demonstration phase, to the implementation and operational phase. KSCST provides support to the Central and State Governments, in formulation of S&T based policies, scientific surveys, project implementation, evaluation, co-ordination & monitoring, organization of scientific meets and awareness campaigns. The Department of Science and Technology, Government of India advocated KSCST as a model to all the states.

The Principal, R R Institute of Technology (RRIT), Bengaluru representing the RRIT and The Executive Secretary, Karnataka State Council for Science and Technology representing KSCST, Bengaluru have arrived at this Memorandum of Understanding for mutual co-operation and collaboration on matters of Intellectual Property Rights (IPRs) on mutual interest. Hence, this Memorandum of Understanding (MOU).

The following are the terms of agreement:

1. The Name of the IP cell will be called as **RRIT - KSCST IP Cell**
2. For the purpose of this MOU, KSCST, Bengaluru to provide the technical assistance in matters relating to Intellectual Property Rights on need basis as mutually agreed upon.
3. KSCST and RRIT may in joint collaboration organize conduct workshops, training programs, research activities, and assist in further development of IPR ecosystem in the host institute.
4. If need arises, KSCST and RRIT may constitute a working group to work out the practical problems of collaboration if any, between the two parties in general and to ensure proper and effective implementation of this MOU.
5. Such details agreed upon will be effective by exchange of letters by KSCST and RRIT and such letters shall form part of this agreement.
6. RRIT reserve or allocate suitable fund for filings and other issues of IPRs that generated from the host institute.

Mahant

[Signature]

7. The host institute should send a detail report on IP activities of the IP cell for the academic year to be sent to KSCST for information and to provide needful inputs.

SCOPE OF THE MOU:

KSCST and RRIT shall/may take relevant steps and measures to protect, promote and enhance research and development, which shall create scope for development of Intellectual Property and take appropriate decisions and measure in furtherance of the same.

Karnataka State Council for Science and Technology (KSCST) - Roles and responsibilities

- ❖ KSCST shall provide technical assistance in filing the registration of IPRs and prior art searches.
- ❖ KSCST shall associate with RRIT in identifying the potential IP innovations in the host institute.
- ❖ KSCST shall associate with RRIT in organizing IPR programmes
- ❖ There shall be no financial responsibility from the side of KSCST.

R R Institute of Technology (RRIT), Bengaluru- Roles and Responsibilities

- ❖ Shall make available suitable infrastructure, place, manpower for functioning of IP cell and also other needful amenities for the same.
- ❖ Shall nominate IP cell Coordinator to lead the RRIT-KSCST IP cell and also nominate faculty from all the other institutions coming under it to promote IPR in host institute.
- ❖ Should also nominate and **Executive Committee** consisting of members from (KSCST, Host institute (Principal/ Secretary/ Treasurers/ Vice chancellor/ Dean/ Head of the departments) IP attorney/ Patent agent &, IP cell Coordinator) and **Working Group Committee** member consisting of the IP cell Coordinator, KSCST, 1 or 2 faculty from each department from host institute.
- ❖ Should allow IP cell to sensitize and involve the students, faculty, research scholars, and other members and provide awareness and training workshops on IPR periodically.
- ❖ Shall allow the IP Cell to identify and drive the innovation to file & commercialize the IPRs from the institutions associated with host institute.
- ❖ Should also allocate or source fund from other agencies for filing, commercialising, technology transfer and any IPR issues of the host institute

DURATION OF THE MOU

This MOU shall be in effect initially for a period of **Five years (5 Years)** from the date on which this MOU is signed by both the parties and may be renewed thereafter, by mutual consent. Either party may terminate the agreement by written notification sent to the proper Officer of the institution. Such notice must be received by either Party within six months prior of the effective termination date.

In witness where of the parties hereto cause this instrument to be executed as of the date, month and year indicated below.





On behalf of the R R Institute of Technology (RRIT), Bengaluru

Mahendra
Dr. Mahendra K V,
Principal,

R R Institute of Technology (RRIT), Bengaluru

Date: 24th August 2022

On behalf of the Karnataka State Council for Science and Technology (KSCST),
Bengaluru ,

H. Hemanth Kumar
Mr. H Hemanth Kumar
Executive Secretary

Karnataka State Council for Science and Technology (KSCST),
Bengaluru

Date: 24th August 2022

Executive Secretary
Karnataka State Council for
Science and Technology
Indian Institute of Science Campus
BENGALURU - 560 012

(RRIT)

Witness:

S V
(Dr SURESHA C.N)

(KSCST)

Witness

Alagarjun MB
24/8/2022
Alagarjun MB



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Ref :- RRIT-Admin/2021-22/207

To
Mr. H Hemanth Kumar
Executive Secretary
Karnataka State Council for Science and Technology (KSCST)
Bengaluru

29th July 2022

Dear Sir / Madam

Sub: Establishment of Intellectual property Rights (IPR) cell at our institute.

Educational institutions mainly focus to build technical and ethical human resource for the entire societal development. The inventions of an organization through the human resources may be in the form of products, expressions, designs and so on. The actual challenge is to transfer intellectual assets of an organization to commercial products for the benefit of the society. By considering such challenges **R R Institute of Technology (RRIT)** is keen in establishing IPR cell and carryout the activities for the benefit of RRIT personnel (staffs and students) for systematic intra and inter-institutional knowledge management. The key features of the IPR cell are as follows:

- Encourage, initiate, promote and protect scientific inventions and research which leads to new products/processes/designs development.
- Implement a professional anatomy and process set for the inventions and innovations made through institutional research to make them readily available for the public by transferring the knowledge from institution to commercial society.
- Establish standards for recognizing the rights and responsibilities of the Institution, inventors and their industrial collaborators with respect to intellectual works carried out at the Institution.
- Inspire, support and afford conjointly beneficial rewards to the members of the Institution and others who assisted to transfer Institutional intellectual property to the public through commercial channels.
- Improve the reputation of the Institution as an academic research institution and a member of society by supporting and encouraging novel research activities which lead to provide noble intellectual assets to the Institution.

In this regard we would like to associate with KSCST to establish IPR cell at our institute and guide the activities of the cell. Kindly do the needful.

Thanking you

Yours Faithfully

Maheshale

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

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Inaugural function of
RRIT KSCST IP CELL

24th August 2022

INVITATION



In association with

Karnataka State Council for Science & Technology
(KSCST), IISC Campus, Bengaluru

Jointly Organised by

R R Institute of Technology

Bengaluru-560 090



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**Solicit your gracious presence on the occasion of
Inaugural function of**

***RRIT KSCST Intellectual Property Rights
Cell***

Chief Guest:

Mr.H.Hemanth Kumar

Executive Secretary,

Karnataka State Council for Science & Technology (KSCST),Bengaluru

Presided by

Shri. Arun H R

Director, PKM Educational Trust

Dr.Mahendra KV

Principal, RRIT

Staff & Students

DATE

24th August 2022 , 10.30 AM

VENUE

**RRIT Campus Seminar hall
(Mech dept)**



R R Institute of Technology (RRIT),

Raja Reddy Layout,
Heseraghatta Main Road,
Chikkabanavara Bangalore – 560 090

In association with

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus Bengaluru- 560012

Presents

“Establishment of RRIT – KSCST IP CELL”

Date: 24th August 2022

Venue: RRIT

Timings: 10.30 am

Program Agenda

Time	Topic	Speaker
10.30 am -10.35 am	Invocation	
10.35 am -10.40 am	Lighting the Lamp	
10.40 am – 10.45 am	Welcome address & Address about IP Cell	Dr Suresha C N
10.45 am – 11.00 am	Inauguration of IP Cell	Dignitaries
	Introduction of chief guest	Prof. Lohith J K
11.00 am – 11.15 am	Key note address	Mr. Hemanth Kumar Executive Secretary, KSCST
11.15 am – 11.25 am	Presidential Address	Dr. Mahendra K V Principal
11.25 am – 11.30 am	Vote of thanks	Dr. Channabasavaraj S



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RRIT - KSCST IPR Cell

Name of the Event: Inauguration of RRIT – KSCST IP CELL

(Intellectual Property Rights)

Coordinator : Dr Suresha C N, Professor -ME

Date: 24th August 2022

Venue : RRIT - Seminar hall (Mechanical Engineering Block)

Report

The Inauguration function of **RRIT – KSCST IP CELL** In association with **Karnataka State Council for Science & Technology (KSCST)**, IISC Campus, Bengaluru was held on 24th August 2022. **Mr. H. Hemanth Kumar**, Executive Secretary, Karnataka State Council for Science & Technology (KSCST), Bengaluru, inaugurated the cell, preceded by **Dr Mahendra K V**, Principal, RRIT and Dr Suresha C N, **RRIT – KSCST IP CELL**, Professor, Mechanical Engineering.

In the inaugural address **Mr. H. Hemanth Kumar**, stressed the need innovative activities in engineering colleges through by providing the Global status. He emphasised that the innovations should move from **Lab to Lab** concept towards **Lab to Field** concept, so that the innovations that happen in institutions will find usage. He stressed the Faculty involvement in KSCST Faculty Project Program (FPP). He also suggested that institutions should yearly fix target to file patents from institution.

Dr Mahendra K V, Principal, RRIT briefed the activities proposed to carryout innovation that will led to patent filing. Also informed the faculty members to take up innovative student projects to Improve the reputation of the Institution as an academic research institution and a member of society by supporting and encouraging novel research activities which lead to provide noble intellectual assets to the Institution.

Dr Suresha C N, Coordinator, RRIT – KSCST IP CELL, Professor, Mechanical Engineering , welcomed the gathering and briefed the objectives of Cell.

Dr. Channabasavaraj S , HOD-ME, extended the vote of thanks. The program was attended HOD' s and all faculty members. The event was compered Mr. Bharath Kalburgi, Assistant Professor-ME.



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RRIT - KSCST IPR Cell

 <p>Myadarahalli, Karnataka, India Main Road, RR Institute Of Technology, Medaralli, Chikkabanavara, Myadarahalli, Karnataka 560090, India Lat 13.070938° Long 77.510959° 24/08/22 10:47 AM</p>	 <p>Myadarahalli, Karnataka, India Department Of Mechanical, RR Institute Of Technology, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India Lat 13.071094° Long 77.510682° 24/08/22 10:54 AM</p>	 <p>Myadarahalli, Karnataka, India Department Of Mechanical, RR Institute Of Technology, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India Lat 13.071097° Long 77.510953° 24/08/22 10:55 AM</p>
<p>MOU Signing</p>	<p>Inauguration of RRIT-KSCST IPR cell</p>	<p>Dignitaries at RRIT-KSCST IPR cell</p>
 <p>Myadarahalli, Karnataka, India 305B-City, Medaralli, Chikkabanavara, Myadarahalli, Karnataka 560090, India Lat 13.071219° Long 77.510039° 24/08/22 11:02 AM</p>	 <p>Bengaluru, Karnataka, India #42910th Main Road AG8 Layout, Post, near Saijagiri Hospital, Goleysa Belaga Layout, Chikkabanavara, Bengaluru, Karnataka 560090, India Lat 13.071509° Long 77.468587° 24/08/22 11:09 AM</p>	 <p>Myadarahalli, Karnataka, India Department Of Mechanical, RR Institute Of Technology, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India Lat 13.071097° Long 77.510216° 24/08/22 11:50 AM</p>
<p>Welcome Address by Dr Suresha C N</p>	<p>Inaugural Address by Mr. H. Hemanth Kumar, Executive Secretary, KSCST</p>	<p>Precedential address by Dr Mahendra K V, Principal, RRIT</p>
 <p>Myadarahalli, Karnataka, India Department Of Mechanical, RR Institute Of Technology, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India Lat 13.071078° Long 77.510338° 24/08/22 11:56 AM</p>	 <p>Myadarahalli, Karnataka, India Department Of Mechanical, RR Institute Of Technology, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India Lat 13.070931° Long 77.51041° 24/08/22 12:06 PM</p>	 <p>Bengaluru, Karnataka, India Raja Reddy Layout, Hesarghatta Rd, Medaralli, Chikkabanavara, Bengaluru, Karnataka 560090, India Lat 13.07062° Long 77.510808° 24/08/22 12:06 PM</p>
<p>Exchange of MOU</p>	<p>Felicitation to Mr. H. Hemanth Kumar,</p>	<p>Vote of Thanks by Dr. Channabasavaraj S, HOD-ME,</p>

Encl:02



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RRIT, Bengaluru

Convener / Organising Secretary

Dr Suresha C N

Professor, Mechanical Engineering

Organising Committee Members

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Mr. Mohan Kumar B N

Mr. Prashanth K K

Mrs. Sunanda

Mrs. Madhavi Dasari

Dr. Sowmya A

Mr. Vishnav B

Student Members

Mr. Naveen , Year : 4th ME

**Cordially invites all staff &
Students for**

**“Workshop on
Entrepreneurship and Innovation
as Career Opportunity & ideation”**

On: 17th October 2022 (Monday),

10.30AM

Venue: Mechanical Seminar hall

CHIEF GUEST

Mr. Vivek Anand Sagar B,

Patent Information Center, KSCST, Bengaluru

Mr . Nagarjun M G,

Patent Information Center, KSCST, Bengaluru

PRESIDED BY

CHIEF PATRON

Sri Y. Raja Reddy

Chairman, PKMET, Bengaluru

PATRON

Sri Kiran H.R.

Director,

PKMET, Bengaluru

Sri Arun H.R.

Secretary,

PKMET, Bengaluru

Signature

COMMITTEE CO-ORDINATOR

(Dr Suresha C N, Convener -IIC)

Signature

PRINCIPAL



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Name of the Event: “Workshop on “Entrepreneurship & Innovation as Career Opportunity & Ideation”

Convener : Dr Suresha C N, Professor -ME

Date: 17th October 2022

Venue :RRIT - Seminar hall (Mechanical Block)

Report

“Workshop on “Entrepreneurship & Innovation as Career Opportunity & Ideation” was organized by Institutions Innovation Council (IIC) on 17th October 2022 (Monday). On the eve of work shop talk was delivered by **Shri. Mr. Nagarjun M G** , Project Associate, Karnataka State Council for Science and Technology (KSCST).

Expert briefed the about innovation and also entrepreneurship. Spoke on how to approach towards problems around us by innovative way. He discussed the case studies of innovations which have created revolution. He gave tips to take innovative activities and also briefed the process involved in IP related activities. **Dr. Mahendra K V**, Principal Presided over the workshop and informed to develop the ideas that will lead to patent / publications. **Dr.Channabasavaraj S**, - HOD, ME welcomed gathering and spoke on the significance of the workshop. & **Dr Suresha C N** convener- IIC extended vote of thanks. The workshop was attended by Faculty members and 155 students of final year. The event was compeered by **Mr. Ranjan**, student 7th semester -ME.



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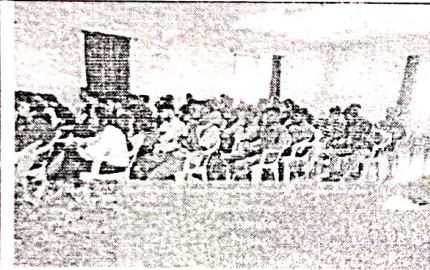
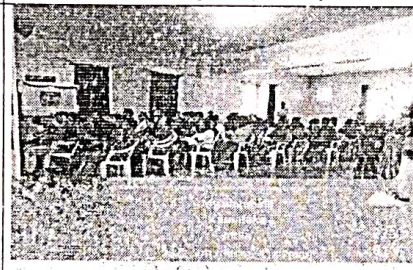

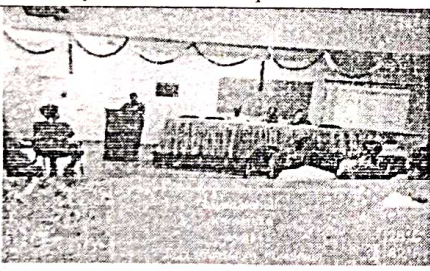

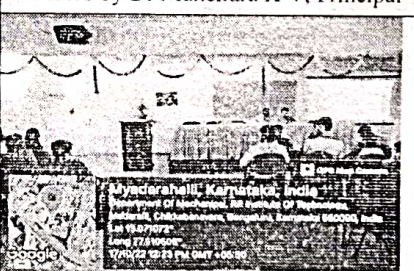
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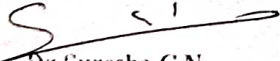
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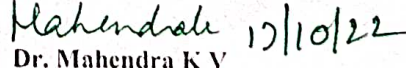
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INSTITUTION'S INNOVATION COUNCIL
Mission of IIC

Glimpses of “Workshop on “Entrepreneurship & Innovation as Career Opportunity & Ideation”.

		
Dignitaries of workshop	Expert addressing the participants	Interaction with the participants
		
Participants at workshop	Participants at workshop	Address by Dr Mahendra K V, Principal
		
Welcome by Dr.Channabasavaraj.S , HOD-ME	Felicitation to Mr. Nagarjun M G	Vote of Thanks by Dr.Suresha C N


 Dr Suresha C N
 Convener -IIC
 Professor, Mechanical Engineering


 Dr. Mahendra K V
 Chair Person -IIC
 Principal