



**KPR** Institute of Engineering  
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407

DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING

**NEWSLETTER**



**ELECTROBLITZ**

**VOLUME 6, ISSUE 1**

**June 2020**

# EDITORIAL BOARD

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# VISION AND MISSION OF THE DEPARTMENT

## Vision:

To be the **centre of higher learning** in the field of Electrical and Electronics Engineering by educating the students to meet the **global challenges** with **professional ethics and social consciousness**.

## Mission:

- ❖ Providing **technical, intellectual and ethical** environment to the students through **knowledge centric education and research**.
- ❖ Collaborating with industries in the vicinity, nationally and internationally for exposure and **innovation**.
- ❖ Enabling the students to **serve the society** through **prolific ideas**.

## Programme Educational Objectives (PEOs)

The Graduates of Electrical and Electronics Engineering will

**PEO1** Possess an adequate knowledge to meet the needs of the stakeholders and excel in their chosen profession with good communication and managerial skills.

**PEO2** Adapt to emerging technologies and practice their profession confirming to ethical and human values.

**PEO3** Continuously improve the habit of self-study through professional development activities.

## Programme Outcomes (POs)

Graduates of Electrical and Electronics Engineering will be able to:

**PO1 Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2 Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3 Design/development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4 Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5 Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6 The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7 Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9 Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10 Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11 Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12 Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

## Programme Specific Outcomes (PSOs)

Graduates of Electrical and Electronics Engineering will able to:

**PSO1.** Develop skills to the expectations of the dynamic industrial practices in Electrical Engineering and allied areas.

**PSO2.** Analyse, design and integrate various renewable energy sources to meet the energy demand.

# FACULTY DETAILS

S.NO	NAME OF THE FACULTY	DESIGNATION
1.	Dr.V.Kumar Chinnaiyan	Professor & Head
2.	Dr.J.Karpagam	Professor
3.	Dr.R.Uthirasamy	Associate Professor
4.	Dr.V.S.Chandrika	Associate Professor
5.	Mr.S.Vivekanandan	Assistant Professor(Sl.G)
6.	Mr.G.Saravanan	Assistant Professor(Sl.G)
7.	Dr.A.Karthick	Assistant Professor(Sl.G)
8.	Mr.R.Sampathkumar	Assistant Professor(Sl.G)
9.	Mr.A.Gowrishankar	Assistant Professor(Sr.G)
10.	Mr.D.Sathish Kumar	Assistant Professor(Sr.G)
11.	Ms.B.Lalitha	Assistant Professor(Sr.G)
12.	Ms.V.J.Vijayalakshmi	Assistant Professor(Sr.G)
13.	Ms.R.Revathi	Assistant Professor(Sr.G)
14.	Mr.A.Mohamed Ibrahim	Assistant Professor(Sr.G)
15.	Mr.P.Ravikumar	Assistant Professor(Sr.G)
16.	Mr.C.Pazhanimuthu	Assistant Professor(Sr.G)
17.	Dr.S.Ravindran	Assistant Professor(Sr.G)
18.	Mr.V.Kamalkumar	Assistant Professor

19.	Mr.K.Balamurugan	Assistant Professor
20.	Mr.C.J.Vignesh	Assistant Professor
21.	Mr.T.Jagadesh	Assistant Professor
22.	Ms.S.Divya	Assistant Professor
23.	Ms.P.Praveena	Assistant Professor
24.	Mr.I.Baranilingesan	Assistant Professor
25.	Mr.C.Dinesh	Assistant Professor
26.	Ms.S.Chandraprabha	Assistant Professor

### SUPPORTING STAFF

S.NO	NAME OF THE STAFF	DESIGNATION
1.	Mr.M.Vinothkumar	Lab Technician
2.	Mr.C.Gopalakrishnan	Lab Technician
3.	Mr.R.Vinothkumar	Lab Technician
4.	Mr.K.S.M.Manoj Kumar	Lab Technician
5.	Mr.C.Karuppusamy	Lab Technician
6.	Mr.A.Nandhakumar	Office Assistant



## Association Activities

### **CSIR Sponsored Two Day National Level Seminar**

The department of Electrical and Electronics Engineering conducted the CSIR sponsored two day national level seminar on **“IoT Based Control Strategies for AC/DC Microgrids with Distributed Energy Storage Systems”** on 23<sup>rd</sup> & 24<sup>th</sup> January 2020. Mr. T. Jagadeesh, Assistant Professor, Department of EEE, KPR Institute of Engineering and Technology welcomed the gathering and the Head of the Department, Dr. V. Kumar Chinnaiyan, Department of EEE, KPR Institute of Engineering and Technology, felicitated the function, Dr. M. Akila, Principal, KPR Institute of Engineering and Technology, also delivered the felicitation address and Dr. A.M. Natarajan, Chief Executive, KPR Institute of Engineering and Technology presided over the function. The resource person for the workshop was Dr. P. Raja, Associate Professor, National Institute of Technology (NIT), Trichy, delivered the lecture on Monitoring and Control of Micro Grids in the morning session. Then the resource person gave the brief explanation about the AC/DC Microgrids and its impact, Evolution of National Grids, Challenges faced and research projects based on Microgrid, which was very much helpful to the participants for their research work. He gave many ideas on how to proceed the research work with the help of Hardware and Software tools in the afternoon session. They shared their research and field experience of funded projects, Simulation and Analysis of various parameters and made the session very interactive, also the queries from the participants and solutions for the same were discussed. On the next day, Er. Dinesh Ponnuswamy, Managing Partner, Sai Incubation Centre, Coimbatore handled the technical session on Internet of Things and Programming on Python in the morning session. He also delivered the session on Relevance to Industries in Coimbatore and Employment Opportunities in the field of IoT in the afternoon session. Nearly 40 participants from various colleges attended the seminar program.



## Guest Lecture on Recent Trends in Modern Electrical Drives

The department of Electrical and Electronics Engineering organized a guest lecture with a title “**Recent Trends in Modern Electrical Drives**” on 26<sup>th</sup> February 2020. Mr.P.Kiruthic of II-EEE, welcomed the gathering and head of the department Dr.V.Kumar Chinnaiyan, felicitated the gathering. The chief guest Ms. M. Divya Priyadarshini, Power Electronics Design Engineer, Versa Drives Private Limited, Coimbatore deliberated the sessions and gave glimpses about electrical drives technology, energy efficient drives, industrial scenario in drives, and job opportunities. She was elaborated the recent research work towards the size reduction of electric drive without affecting the performance of the drive and highlighted the importance and features of brushless DC motor used in modern industries.

Nearly 150 students from EEE department have benefited. She was shared his own experiences and ignited the students to do the project work in energy efficient drives and meet out the industrial obligation. The session was concluded with the vote of thanks delivered by the student Mr.R.Vinayak of II-EEE.





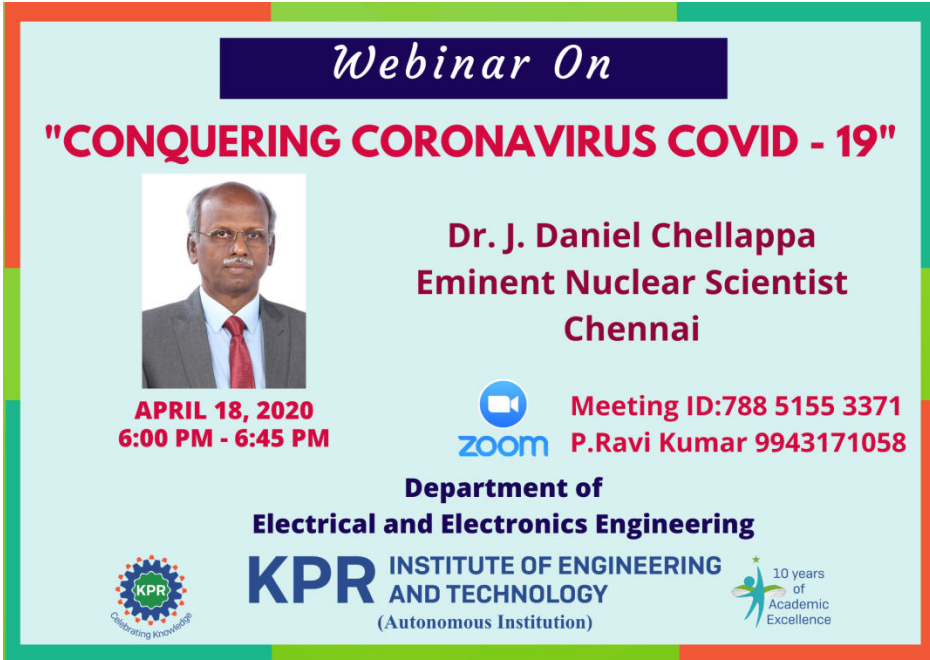
## Innovate 2020

The department of Electrical and Electronics Engineering organized “Innovate 2020 – Project Expo for Polytechnic Students” on 12<sup>th</sup> March 2020. Mr. R.Vinayak, second year student welcomed the gathering. Prof. B.Lalitha, AP (Sr.G)/EEE, gave an inaugural address and highlighted the advantages of conducting this kind of project expo. Dr. M.Akila, Principal, gave the presidential address and deliberated the importance of his/her studies to the outside participants. Ms. R.Sujitha and Mr. L.Devaprakash, final year students addressed the participants regarding academic activities, achievements, placements and co curricular activities being held in department of Electrical and Electronics Engineering. The participants from various parts of the state showcased their technical talents in the project expo. The App development workshop was conducted in afternoon session to enhance their coding skills. Our department students showcased their extracurricular talents to the participants through the cultural events. Finally, certificates and prizes were distributed to the winners in the valedictory session. Prof. A.Mohamed Ibrahim delivered the vote of thanks and event came to conclusion with National Anthem. Totally 55 polytechnic students were benefited.




## Webinar on Conquering Corona Virus COVID - 19

The department of Electrical and Electronics Engineering organized webinar on “Conquering Corona Virus COVID - 19” on 18<sup>th</sup> April 2020. Dr. V. Kumar Chinnaiyan, Professor & Head, Department of EEE welcomed the gathering. The resource person for the webinar was Dr. J. Daniel Chellappa, Eminent Nuclear Scientist, Chennai. The speaker elaborated on the practices to be followed during the pandemic. He advised on the prevention measures to be followed during COVID – 19. He also explained on the spreading mechanism of the virus and created awareness on the social distancing which prohibits the spread of virus. Around 86 participants participated in the webinar. Prof. V.J. Vijayalakshmi proposed the vote of thanks.




*Webinar On*

**"CONQUERING CORONAVIRUS COVID - 19"**





**Dr. J. Daniel Chellappa**  
**Eminent Nuclear Scientist**  
**Chennai**

**APRIL 18, 2020**  
**6:00 PM - 6:45 PM**

 **Meeting ID:788 5155 3371**  
**P.Ravi Kumar 9943171058**

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## Short Film Contest 2020

The department of Electrical and Electronics Engineering announced a Short Film Contest on Killing Coronavirus COVID – 19 on 07/04/2020 worth Rs. 25,000/- . The last date for submission of the videos was 22/04/2020. It was an online contest open to all college students during the lockdown period. The registration was free with a condition that no outdoor shooting is allowed. We received 18 short film videos from the students of various institutions. The videos were scrutinized by the coordinators and finalized by head of the department.



Department of  
**Electrical and Electronics Engineering**

*Presents*

# SHORT FILM CONTEST

**KILLING  
CORONAVIRUS  
COVID-19**



## **RULES FOR PARTICIPATION**

Open to College students

Free registration

Video length 3 minutes

Last Date:22.04.2020

Links to Video should be mailed [eeeinfo@kpriet.ac.in](mailto:eeeinfo@kpriet.ac.in)

**Outdoor Shoot and criticizing in any form will lead to disqualification.**



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## **Webinar on Arduino-virtual simulator**

The Department of Electrical and Electronics Engineering organized webinar on Arduino-virtual simulator on 28.04.2020 for future engineers. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Dept. of EEE and presided over by Dr.M.Akila, Principal of KPRIET. Prof.G.Saravanan presented the topic and demonstrated the work in open source software tool. He gave glimpse about of recent processor, availability of open source software, effective usage of online tools for project work, data collection with the support of IoT and many more recent developments. This webinar is pretty interesting and kindling the engineering students to explore their idea to develop the product. 88 engineering students are participated in the webinar in online mode and the session closed with vote of thanks delivered by Prof.P.Ravikumar.

**Webinar on**  
**"Arduino - Virtual Simulator"**



**Prof. G. Saravanan**  
Assistant Professor (Sl.G)  
Department of EEE  
KPRIET

**28**  
APRIL 2020  
04:00 PM - 05:00 PM

zoom Id: 785 6318 4680

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### Webinar on Use cases of Disruptive technologies in core Industries

The department of Electrical and Electronics Engineering organized a webinar on “Use cases of Disruptive technologies in core Industries” on 29.04.2020 for future engineers. A heart-warming welcome remark was delivered by Dr. V. Kumar Chinnaiyan, Professor and Head, Dept. of EEE and presided over by Dr. M. Akila, Principal of KPRIET. Er. Gokul Ganesan from IAEMP, Coimbatore - explained the disruptive technologies like Artificial Intelligence, Blockchain technology, Augmented Reality, Virtual Reality, Robotics, Automation, like Artificial Intelligence, Blockchain technology, Augmented Reality, Virtual Reality, Robotics, Automation, 3D printing, Autonomous vehicle and Renewable energy used by Core industries in the recent times. Engineering students were actively participated in the webinar in online mode and express their gratitude towards the team EEE for organizing.

**Webinar on**  
**"Use Cases of Disruptive Technologies in Core Industries "**



**Er. Gokul Ganesan**  
IAEMP  
Coimbatore

**29**  
APRIL 2020  
09:00 AM - 10:00 AM

zoom Id: 793 5405 1358

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## Webinar on Want to be a Central Government Employee? Let's Crack SSC

The department of Electrical and Electronics Engineering organized Webinar on “Want to be a Central Government Employee? Let's Crack SSC” on 02<sup>nd</sup>, May 2020. Dr. V. Kumar Chinnaiyan, Professor & Head, Department of EEE welcomed the gathering. The resource person for the webinar was Er. Ramesh Sadasivam, Administrative Superintendent/IIT Palakad. The speaker elaborated on the opportunities available for young graduates in the central government sectors. He created awareness on various exams available for various position and tips and tricks to be practiced for clearing the exams. Around 95 participants participated in the webinar. Prof. Dr. J.Karpagam proposed the vote of thanks.

**Webinar on**  
**"Want to be a Central Government Employee? Let's crack SSC"**

**Er. Ramesh Sadasivam**  
Administrative Superintendent / IIT Palakad  
Resource Person - Shankar IAS Academy & KeralaState Civil Service Academy

**02**  
MAY 2020  
10:00 AM - 11:00 AM

Id: 750 8537 0492

Department of  
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10 years of Academic Excellence

## IDEATHON 1.0

The Department of Electrical and Electronics Engineering organized IDEATHON 1.0 for class XII students of state board, CBSE and ICSE. The theme of the problem is to provide “Simple Methods to Prevent COVID-19” around 15 teams participated in the event from different parts of the country. The participants submitted their ideas through mail and the best two ideas were selected as winners.



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Department of  
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PRESENTS

# IDEATHON 1.0

An Exclusive Event for  
**+2 Students of State Board, CBSE, ICSE.**

Prizes worth  
**Rs 25,000/-**

**Problem Title:**  
Simple Methods to Prevent COVID-19

**Information to Participants**

1. Free Registration.
2. Individual or Team not more than 3 members.
3. Register using QR Code. Send or write up of 750 words with sketches (Optional) or a video for about 3 minutes. Upon registration you will receive unique id.
4. Last date to send your entries is on 27.04.2020.

Send Your Entries to [eeeinfo@kpriet.ac.in](mailto:eeeinfo@kpriet.ac.in)

Prof. A. Mohamed Ibrahim  
8015143858  
Prof. S. Vivekanandan  
9095062900

THINK EEE  
THINK KPRIET

KPRIET\_EEE  
EEEPRIENT

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Department of  
**Electrical and Electronics Engineering**

# IDEATHON 1.0

WINNERS

**Mr. R.P. Sarvesh**   **Ms. R. Srinithi**   **Mr. S. Naveen**

Keartiman Matriculation Higher Secondary School  
Kanuvai, Coimbatore

**Ms. D. Subhashree**

Saratha Matriculation Higher Secondary School  
Gobichettipalayam

Prof. A. Mohamed Ibrahim  
8015143858  
Prof. S. Vivekanandan  
9095062900

THINK EEE  
THINK KPRIET

KPRIET\_EEE  
EEEPRIENT

## Webinar on Electrical Concepts

The department of Electrical and Electronics Engineering organized a webinar on Electrical Concepts on 12.05.2020 and 14.5.2020 for future engineers. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Dept. of EEE and presided over by Dr.M.Akila, Principal of KPRIET. Prof.S.Vivekanandan, Department of EEE - Presented the topic and explained about the Importance of Electricity, AC Power generation, importance of power savings, Energy calculation, and DC circuits and Future scope. 22 engineering students are participated in the webinar in online mode and the session closed with vote of thanks delivered by Prof.C.Dinesh.

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Department of  
**Electrical and Electronics Engineering**

**Schneider Electric** Online Certification Course

**"Electrical Concepts"**

Resource Person  
**Prof. S. Vivekanandan**  
Assistant Professor (SI.G)  
Department of EEE, KPRIET

**MAY 2020**  
**12 & 14**  
11:00 AM - 12:00 PM

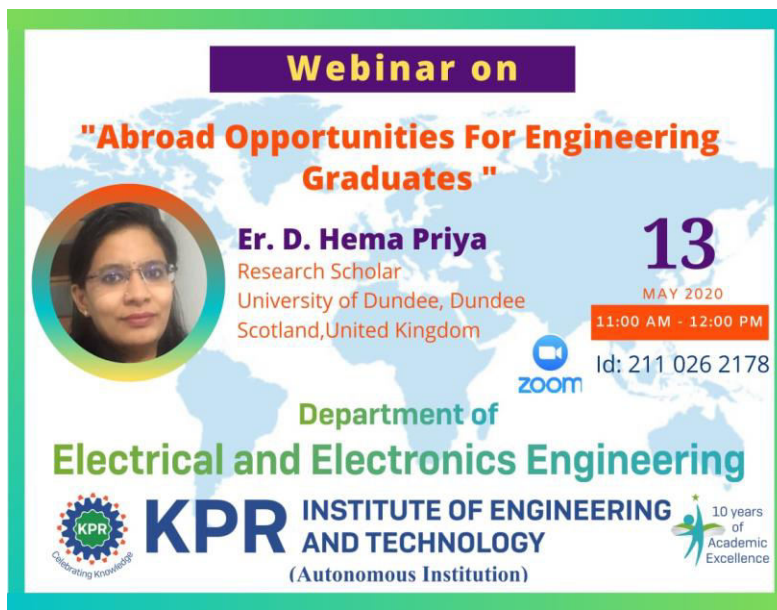
Meeting Id: 211 026 2178

Prof. A. Mohamed Ibrahim  
8015143858

THINK EEE  
THINK KPRIET

## Webinar on Abroad Opportunity for Engineering Graduates

The department of Electrical and Electronics Engineering organized a webinar on Abroad Opportunity for Engineering Graduates on 13.5.2020 for who is passionate about higher studies. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Dept. of EEE and presided over by Dr.M.Akila, Principal of KPRIET. Er. D. Hemapriya, Research Scholar, University of Dundee, Scotland, United Kingdom - Presented broad classification of the available abroad opportunities based on country, courses, semester abroad programme, expenses based on the country, scholarship availability, application process, SOP preparation, VISA process and many more. Students express their gratitude towards the significant of knowledge which is shared. This webinar is pretty interesting and kindling the engineering students to clarify the abroad opportunities in their specific area. . 70 engineering students are participated in the webinar.



## Webinar on How to Secure Your Career in These Uncertain Times

The department of Electrical and Electronics Engineering organized a webinar on “**How to Secure Your Career in These Uncertain Times**” on 5<sup>th</sup> June 2020 for students and faculty community. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Department of EEE. Mr. N.V.Subrahmanyam – Director, Time Institute, Coimbatore presented about B.E. with MBA graduation will get lucrative career in leading MNCs, Various Competitive exams for PG admissions across the globe, Learning outcome Vs Career outcome and Top 50 B’Schools in India and their salary packages. Students expressed

their gratitude towards the resource person for knowledge which he shared. This webinar is pretty interesting and kindling the engineering students about the perception of CAT exam and higher studies of MBA in the country. 85 Participants from KPRIET and various institutions attended the webinar.

The poster is for a webinar organized by the Department of Electrical and Electronics Engineering at KPR Institute of Engineering and Technology. The title of the webinar is "HOW TO SECURE YOUR CAREER IN THESE UNCERTAIN TIMES". It is scheduled for 05-06-2020 from 11:30 AM to 12:30 PM. The resource person is Mr. N.V. Subrahmanyam, Director of T.I.M.E Institute (IIT-K Alumni). The meeting URL is <https://meet.google.com/nmi-orwi-vs-y>. The poster also mentions Prof. C. Dinesh with the contact number 9095256695. The KPR logo and department name are prominently displayed at the top.

## **Webinar on Silicon Carbide MOSFET – Future of Power Electronics Industry**

The department of Electrical and Electronics Engineering organized a webinar on “**Silicon Carbide MOSFET – Future of Power Electronics Industry**” on 9<sup>th</sup> June 2020 for students and faculty community. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Department of EEE. Er Suresh Thanagavel – Global Application Manager, Infineon Technologies India Pvt Ltd., Germany, presented the topics on Mega trends call for new and efficient ways towards Generation, transmission and energy conservation, Key market drives: Reduction of system cost and size as well total cost of ownership, Si IGBT has already at its saturation point at certain applications, High switching frequency (String inverter and 3 phase string inverter topologies) and Double power conversion based UPS system. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is pretty interesting for the researcher in the area of PV system and Silicon Carbide semiconductor like MOSFET and IGBT. 73 Participants from various institutions and industries attended the webinar.

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**Department of Electrical and Electronics Engineering**

**Webinar on**

**"Silicon Carbide MOSFET - Future of Power Electronics Industry "**

**Er. Suresh Thangavel**  
Global Application Manager  
Infineon Technologies India Pvt Ltd  
Germany

**09**  
JUNE 2020  
02:00 PM - 03:00 PM

<https://meet.google.com/cdw-nnez-omn>

## Webinar on Walk Through on Technologies in Autonomous Vehicle

The department of Electrical and Electronics Engineering organized a webinar on “**Walk Through on Technologies in Autonomous Vehicle**” on 13<sup>th</sup> June 2020 for students and faculty community. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Department of EEE. Er J.S. Kirubaaharan – Executive Engineer, Nippon Audiotronix, Noida (Alumnus – EEE, Batch: 2015 - 2019), presented the topics on Open Street Map software, Various sensors technologies used in automobile industry, IoT model for autonomous vehicle, Common Security Vulnerabilities and Future trend of autonomous vehicle and safety measures. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is pretty interesting for the faculty members and industry from various disciplines. 71 Participants from various institutions and industries attended the webinar.

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**Department of Electrical and Electronics Engineering**

**Webinar on**

**"Walk Through on Technologies in Autonomous Vehicle "**

**Er. J.S. Kirubaaharan**  
Executive Engineer  
Nippon Audiotronix, Noida  
Alumnus - EEE (Batch: 2015 - 2019)

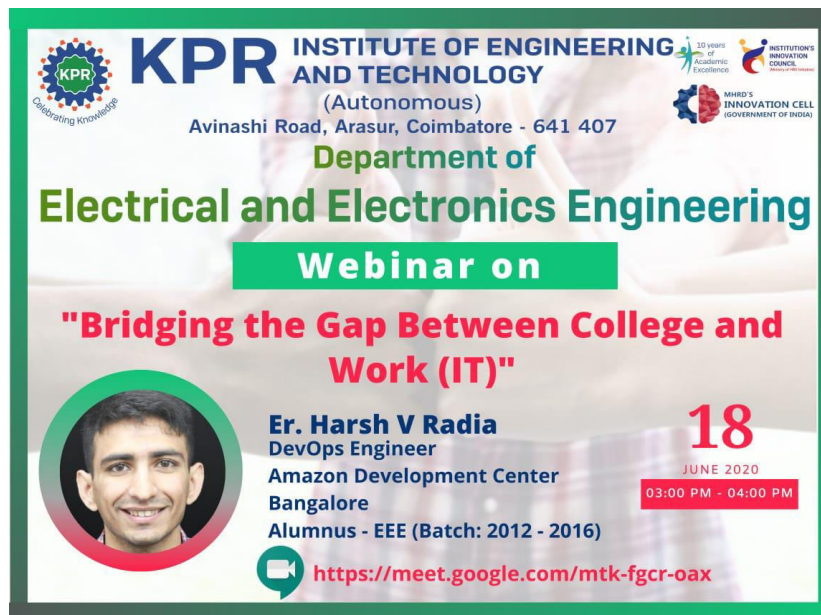
**13**  
JUNE 2020  
03:00 PM - 04:00 PM

<https://meet.google.com/eox-qpig-snh>



## Webinar on Bridging the Gap between College and Work (IT)

The department of Electrical and Electronics Engineering organized a webinar on “**Bridging the Gap Between College and Work (IT)**” on 18<sup>th</sup> June 2020 for students and faculty community. A heart-warming welcome remark was delivered by Prof. G. Saravanan, Assistant Professor (Sl.G), Department of EEE. Er Harsh V Radia – DevOps Engineer, Amazon Development Center, Bangalore (Alumnus – EEE, Batch: 2012 - 2016) presented the following deliberations Skill required for IT jobs, Mindset of Graduates, Importance of internship and Current trends in IT field. The Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is pretty interesting for the students who are passed in the year 2020. 64 Participants from various departments attended the webinar.



The poster is for a webinar titled "Bridging the Gap Between College and Work (IT)". It features a circular portrait of Er. Harsh V Radia, a DevOps Engineer at Amazon Development Center, Bangalore, who is an alumnus of KPR Institute of Engineering and Technology (Batch: 2012-2016). The poster includes the KPR Institute logo, accreditation details (10 years of Academic Excellence, Institution's Innovation Council, MHRD's Innovation Cell), and the date and time of the webinar: June 18, 2020, from 03:00 PM to 04:00 PM. The meeting link is provided as <https://meet.google.com/mtk-fgcr-oax>.

## Webinar on IoT Applications for Electrical Engineering

The department of Electrical and Electronics Engineering organized a webinar on “**IoT Applications for Electrical Engineering**” on 19<sup>th</sup> June 2020 for students and faculty community. A heart-warming welcome remark was delivered by Prof.B.Lalitha, Assistant Professor (Sr.G), Department of EEE. Er Selvaraj Chinnasamy, Software Engineer, Softway Solutions, Bangalore, presented the Benefits of IoT in our daily needs, Future of IoT, Introduction to Raspberry Pi 4, Basic IoT Components and Applications. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students, faculty members and industry persons. 70 Participants from various institutions and industries attended the webinar.



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Department of  
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**Webinar on**  
**"IoT Applications for Electrical Engineering"**

**Er. Selvaraj Chinnasamy**  
Software Engineer  
Softway Solutions  
Bangalore

**19**  
JUNE 2020  
10:00 AM - 11:00 AM

<https://meet.google.com/cdw-nnez-omn>

## Webinar on Practical Exposure on Android App development

The department of Electrical and Electronics Engineering organized a webinar on **"Practical Exposure on Android App development"** on 20<sup>th</sup> June 2020 for students and faculty community. A heart-warming welcome remark was delivered by Prof.C.Dinesh, Assistant Professor, Department of EEE. Prof.A.Maswoodhur Rahman, Assistant Professor, Department of Engineering (Electrical Engineering Section), IBRI College of Technology, Sultanate of Oman, presented the following deliberations Overview of IoT, IoT with Microcontroller (Arduino), Programming in Arduino, Arduino with Android App and Smart home using IoT. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students, faculty members and industry persons. 76 Participants from various institutions and industries attended the webinar.

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**Webinar on**  
**"Practical Exposure on Android App Development"**

**Er. A. Maswoodhur Rahman**  
Assistant Professor  
Department of Engineering  
(Electrical Engineering Section)  
IBRI College of Technology  
Sultanate of Oman

**20**  
JUNE 2020  
10:00 AM - 11:30 AM

<https://meet.google.com/pfk-tcor-keq>

## Faculty Members Journal Publications

1. Dr. J. Karpagam, Dr. R. Uthirasamy, Ms. V.J. Vijayalakshmi, Mr. P. Ravikumar “A Review of Electric Vehicle Technologies”, Springer Nature Switzerland, March 2020.
2. Dr. V.S. Chandrika, “Study on the Thermal Resistance Comparison on AI with SiO<sub>2</sub> Composites for Electronic Chips”, Materials Today Proceedings, March 2020.
3. Dr. J. Karpagam, Dr. R. Uthirasamy, Ms. V.J. Vijayalakshmi, Mr. P. Ravikumar “Soft Switched Stepped Dc-Dc-Ac Hybrid Converter”, International Journal of Scientific & Technology Research, Vol. 9, Issue 4, April 2020.
4. Dr. V. Kumar Chinnaiyan, Dr. J. Karpagam, Dr. R. Uthirasamy, Ms. V.J. Vijayalakshmi, Mr. P. Ravikumar “A Mitigation of Power Quality issues on Hybrid Boost Converter: A Comparative Analysis”, Journal of Electrical Systems, April 2020.
5. Mr. P. Ravikumar, “High Performance Single-Input three output DC-DC High Gain Converter for fuel Cell- Based Electric Vehicles”, Electrical Engineering Springer, April 2020.
6. Ms. V.J. Vijayalakshmi, “Centralized Attendance Monitoring System”, IEEE Xplore Digital Library 978-1-7281-5197-7/20/IEEE, April 2020.
7. Dr. A. Karthick, “Status of BIPV and BAPV System for Less Energy-Hungry Building in India—A Review”, Applied Sciences, Vol. 10, April 2020.
8. Dr. A. Karthick, Dr. I. Baranilingesan, “Performance enhancement of copper indium diselenide photovoltaic module”, Asia-pacific Journal of Chemical, April 2020.
9. Mr. T. Jagadeesh, “Autonomous Indoor Mapping Using Raspberry Pi”, International Journal of Research in Engineering, Vol.3, Issue 4, April 2020.
10. Ms. S. Divya, “Autonomous E-Rationing System”, International Journal of Science and Innovative Engineering and Technology, Vol. 4, Issue 1, May 2020.
11. Mr. Saravanan G, “Microservices in E-Commerce: An Approach to Avoid Monolithic Architecture”, International Journal of Advanced Science and Technology, Vol. 29, Issue 8, June 2020.
12. Mr. Saravanan G, Mr. Mohamed Ibrahim A, Mr. Sathishkumar D and Dr. Chandrika V S, “IoT based Speed Control of BLDC Motor with Harris Hawks Optimization Controller”, International Journal of Grid and Distributed Computing, Vol.13, Issue 1, June 2020.
13. Mr. Dinesh C, Experimental Investigation regarding Emissivity of Black Nickel Coated on Aluminium surface”, Materials Today Proceedings, Elsevier, Vol. 6, Issue 2, June 2020.

## **Faculty Members Designated as Resource Person**

1. Dr. V. Kumar Chinnaiyan, Professor from the Department of Electrical and Electronics Engineering, was designated as the Resource Person for the Webinar titled “An Insight into Preparing Funding Proposals” at Roever Engineering College, Perambalur on 8<sup>th</sup> May 2020. He focused on the thrust areas such as Proposal Writing and Funding Agencies Identification. Nearly 124 participants from various Institutions in and around Tamil Nadu were benefitted through the event.

2. Dr. R. Uthirasamy, Associate Professor from the Department of Electrical and Electronics Engineering, was designated as the Resource Person for the Webinar titled “Research Opportunities of Power Converters” at K.Ramakrishnan College of Technology, Trichy on 21<sup>st</sup> May 2020. He focused on the thrust areas such as Power Electronics and Renewable Energy Systems. Nearly 102 participants from various Institutions in and around Tamil Nadu were benefitted through the event.

3. Mr. P. Ravikumar, Assistant Professor (Sr.G) from the Department of Electrical and Electronics Engineering, was designated as the Resource Person for the Webinar titled “Thinking Skills for an Engineer” at Annasaheb Dange College of Engineering and Technology, Maharashtra on 24<sup>th</sup> June 2020. Nearly 106 participants from various Institutions in and around Tamil Nadu were benefitted through the event.

## **Publication in Journal by Students**

1. Chakravarthi C, Dhanush U, Indhirani D and Priya G, “Microservices in E-Commerce: An Approach to Avoid Monolithic Architecture”, International Journal of Advanced Science and Technology, Vol. 29, Issue 8, June 2020.
2. Srinath L, Naveen S, Sanjay Singaravelu R and Sanjeva Kumar S A, “Blackout Projectile Missile”, Journal of Critical Reviews, Vol. 7, Issue 1, June 2020.

## List of Eminent Academicians/Scientists Visit

S.No.	Name and Designation	Organization
1	Dr. P. Raja, Associate Professor	National Institute of Technology (NIT), Trichy
2	Er. Dinesh Ponnuswamy Managing Partner	Sai Incubation Centre, Coimbatore
3	Ms. M. Divya Priyadharshini Power Electronics Design Engineer	Versa Drives Private Limited, Coimbatore
4	Dr. J. Daniel Chellappa Eminent Nuclear Scientist	Bhabha Atomic Research Centre, Chennai
5	Er. Gokul Ganesan	Indian Association of Energy Management Professionals, Coimbatore
6	Er. Ramesh Sadasivam, Administrative Superintendent	Indian Institute of Technology, Palakad
7	Er. D. Hemapriya Research Scholar	University of Dundee, Scotland, United Kingdom
8	Mr. N.V.Subrahmanyam Director	Time Institute, Coimbatore
9	Er. Suresh Thanagavel Global Application Manager	Infineon Technologies India Pvt Ltd., Germany
10	Er J.S. Kirubaaharan Executive Engineer	Nippon Audiotronix, Noida
11	Er. Harsh, V Radia – DevOps Engineer	Amazon Development Center, Bangalore
12	Er Selvaraj Chinnasamy Software Engineer	Softway Solutions, Bangalore
13	Prof.A.Maswoodhur Rahman, Assistant Professor	IBRI College of Technology, Sultanate of Oman

## Faculty Participation in Conference

S.No	Faculty Name	Type of the Event	Event Name	Venue	Duration of the event
1	Mr. D. Sathish Kumar AP (Sr.G) / EEE	Conference	International Conference on Electrical Sciences	SNS College of Technology, Coimbatore	20/02/2020 - 21/02/2020
2	Dr.V.S.Chandrika Associate Professor / EEE	Conference	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
3	Dr. V. Kumar Chinnaiyan Prof & Head / EEE	Conference	IEEE and AICTE sponsored International Conference on Advanced Computing and Communication Systems	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
4	Dr. J. Karpagam Professor / EEE	Conference	IEEE and AICTE sponsored International Conference on Advanced Computing and Communication Systems	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
5	Ms. V.J. Vijayalakshmi AP (Sr.G) / EEE	Conference	IEEE and AICTE sponsored International Conference on Advanced Computing and Communication Systems	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
6	Mr. V. Kamalkumar AP (Sr.G) / EEE	Conference	International Conference on Science, Technology, Engineering and Management	Kalaignar Karunanidhi Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
7	Mr. R. Sampath Kumar AP (Sl.G) / EEE	Conference	International Conference on Science, Technology, Engineering and Management	Kalaignar Karunanidhi Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
8	Mr. P. Ravi Kumar AP (Sr.G) / EEE	Conference	International Conference on Contemporary Engineering and Technology	Prince Shri Venkateshwara Padmavathy Engineering College, Chennai	14/03/2020
9	Ms. V.J. Vijayalakshmi AP (Sr.G) / EEE	Conference	International Conference on Latest Trends in Science, Engineering and Technology	Karpagam Institute of Technology, Coimbatore	13/04/2020
10	Mr. P. Ravi Kumar AP (Sr.G) / EEE	Conference	International Conference on Latest Trends in Science, Engineering and Technology	Karpagam Institute of Technology, Coimbatore	13/04/2020
11	Mr. T. Jagadeesh AP / EEE	Conference	International Conference on Latest Trends in Science, Engineering and Technology	Karpagam Institute of Technology, Coimbatore	13/04/2020



## Faculty Participation in FDP/Seminar/Workshop/Orientation Program

S.No	Faculty Name	Type of the Event	Event Name	Venue	Duration of the event
1	Dr.V.Kumar Chinnaiyan	FDP	Online Course on Examination Reforms	All India Council for Technical Education, New Delhi	22/04/2020 - 25/04/2020
2	Dr.R.Uthirasamy	FDP	Role of IoT, Embedded, Electric Vehicle & Power Electronic Converters for Smart World	St.Joseph's College of Engineering, Chennai	18/05/2020 - 22/05/2020
3	Dr.R.Uthirasamy	FDP	Renewable Energy Systems	RVS College of Engineering and Technology, Coimbatore	01/06/2020 - 05/06/2020
4	Dr.R.Uthirasamy	FDP	Recent Trends and Research Perspectives on Electrical Drives, Power Electronics and Power system	New Horizon College of Engineering, Bangalore	09/06/2020 - 12/06/2020
5	Dr.R.Uthirasamy	STTP	Internet of Things and its Applications in Industry	Ramrao Adik Institute of Technology, Mumbai	08/06/2020 - 12/06/2020
6	Dr.V.S.Chandrika	FDP	Research Challenges and Innovations in Renewable Energy Systems	Aarupadai Veedu Institute of Technology, Chennai	11/05/2020 - 16/05/2020
7	Dr.V.S.Chandrika	FDP	Learning, Pedagogy and Effective use of Case Methodology	ASM Group of Institutes, Pune	17/05/2020 - 21/05/2020
8	Dr.V.S.Chandrika	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
9	Dr.V.S.Chandrika	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 22/05/2020
10	Dr.V.S.Chandrika	ATAL-FDP	AICTE Training and Learning(ATAL) on "Robotics"	Maulana Azad National Institute of Technology, Bhopal	25/05/2020 - 29/05/2020
11	Dr.V.S.Chandrika	FDP	Mathematical Modeling in Multidisciplinary Domain	Bannari Amman Institute of Technology, Sathyamangalam	01/06/2020 - 07/06/2020
12	Mr.S.Vivekanandan	FDP	Technological Advancement in Power System Control, Power Controllers, Drives & E-Vehicles- TAPPAD 2020	Dr.N.G.P Institute of Technology, Coimbatore	27/04/2020 - 01/05/2020
13	Mr.S.Vivekanandan	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020

14	Mr.S.Vivekanandan	FDP	Renewable Energy Systems	RVS College of Engineering and Technology, Coimbatore	01/06/2020 - 05/06/2020
15	Mr.S.Vivekanandan	FDP	Challenges and Mitigation Methods in Renewable Energy Power Systems	CMR Institute of Technology, Bangalore	08/06/2020 - 10/06/2020
16	Mr.G.Saravanan	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
17	Mr.G.Saravanan	FDP	Artificial Intelligence	Christian College of Engineering and Technology, Oddanchatram	22/05/2020 - 26/05/2020
18	Mr.G.Saravanan	FDP	Determining of Engine Operating Conditions using AI and Machine Learning	Vel Tech High Tech Engineering College, Chennai	29/05/2020
19	Mr.G.Saravanan	STTP	Internet of Things and its Applications in Industry	Ramrao Adik Institute of Technology, Mumbai	08/06/2020 - 12/06/2020
20	Dr.A.Karthick	FDP	Research Challenges and Innovations in Renewable Energy Systems	Aarupadai Veedu Institute of Technology, Chennai	11/05/2020 - 16/05/2020
21	Dr.A.Karthick	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 23/05/2020
22	Mr.R.Sampathkumar	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 23/05/2020
23	Mr.R.Sampathkumar	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 23/05/2020
24	Mr.D.Sathish Kumar	FDP	Research Challenges and Innovations in Renewable Energy Systems	Aarupadai Veedu Institute of Technology, Chennai	11/05/2020 - 16/05/2020
25	Mr.D.Sathish Kumar	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
26	Mr.D.Sathish Kumar	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 23/05/2020
27	Mr.D.Sathish Kumar	FDP	Renewable Energy Systems	RVS College of Engineering and Technology, Coimbatore	01/06/2020 - 05/06/2020
28	Mr.D.Sathish Kumar	STTP	Internet of Things and its Applications in Industry	Ramrao Adik Institute of Technology, Mumbai	08/06/2020 - 12/06/2020

29	Ms.B.Lalitha	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
30	Ms.B.Lalitha	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 23/05/2020
31	Ms.R.Revathi	FDP	Technological Advancement in Power System Control, Power Controllers, Drives & E-Vehicles- TAPPAD 2020	Dr.NGP Institute of Technology, Coimbatore	27/04/2020 - 01/05/2020
32	Ms.R.Revathi	FDP	Arduino	Sathyabama Institute of Science and Technology, Chennai	04/05/2020 - 08/05/2020
33	Ms.R.Revathi	FDP	Improving Your Research Visibility- Research Impact and Metrics	Vellalar College of Engineering and Technology, Erode	11/05/2020 - 13/05/2020
34	Ms.R.Revathi	STTP	Learn to Design your Own Solar Home System	Energy Swaraj Foundation, Mumbai	15/05/2020
35	Ms.R.Revathi	FDP	Recent Technology-2020	SRM Institute of Science and Technology, Chennai	15/05/2020 - 17/05/2020
36	Ms.R.Revathi	FDP	Renewable Energy Sources: A Way Ahead	Mahaaeshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women, Nagpur	15/05/2020 - 21/05/2020
37	Ms.R.Revathi	FDP	Role of IoT, Embedded, Electric Vehicle & Power Electronic Converters for Smart World	St.Joseph's College of Engineering, Chennai	18/05/2020 - 22/05/2020
38	Mr.A.Mohamed Ibrahim	STTP	Implementation of Advanced Optimization Techniques using MATLAB	Rajarambapu Institute of Technology, Rajaramnagar, Islampur	01/06/2020 - 06/06/2020
39	Mr.A.Mohamed Ibrahim	STTP	Internet of Things and its Applications in Industry	Ramrao Adik Institute of Technology, Mumbai	08/06/2020 - 12/06/2020
40	Mr.C.Pazhanimuthu	FDP	Technological Advancement in Power System Control, Power Controllers, Drives & E-Vehicles- TAPPAD 2020	Dr.NGP Institute of Technology, Coimbatore	27/04/2020 - 01/05/2020
41	Mr.C.Pazhanimuthu	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
42	Mr.C.Pazhanimuthu	FDP	Virtual Training for Renewable Energy System	SA Engineering College, Chennai	28/05/2020 - 30/05/2020

43	Mr.C.Pazhanimuthu	FDP	Machine Learning with Matlab	Malla Reddy Engineering College, Hyderabad	30/05/2020 - 31/05/2020
44	Mr.V.Kamalkumar	FDP	Renewable Energy Systems	RVS College of Engineering and Technology, Coimbatore	01/06/2020 - 05/06/2020
45	Mr.C.J.Vignesh	FDP	Bharat Operating System Solutions (BOSS) Linux	Vellore Institute of Technology, Erode	14/05/2020
46	Mr.C.J.Vignesh	FDP	Managing Online Classes and C-Creating MOOCS	Ramanujan College, University of Delhi	20/04/2020 - 06/05/2020
47	Mr.C.J.Vignesh	FDP	Renewable Energy Systems	RVS College of Engineering and Technology, Coimbatore	01/06/2020 - 05/06/2020
48	Mr.C.J.Vignesh	STTP	Internet of Things and its Applications in Industry	Ramrao Adik Institute of Technology, Mumbai	08/06/2020 - 12/06/2020
49	Mr.T.Jagadesh	FDP	Low Power VLSI Design	National Institute of Technical Teachers Training and Research, Chandigarh	20/04/2020 - 24/04/2020
50	Mr.T.Jagadesh	FDP	Teaching Learning Tools for the Digital Era	Sri Ramakrishna College of Arts and Science, Coimbatore	11/05/2020 - 16/05/2020
51	Mr.T.Jagadesh	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
52	Mr.T.Jagadesh	FDP	Renewable Energy Systems	RVS College of Engineering and Technology, Coimbatore	01/06/2020 - 05/06/2020
53	Ms.S.Divya	FDP	Emerging Trends in Electric Vehicles	Jeppiaar Institute of Technology, Chennai	14/05/2020 - 15/05/2020
54	Ms.S.Divya	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 23/05/2020
55	Ms.S.Divya	FDP	Renewable Energy Systems	RVS College of Engineering and Technology, Coimbatore	01/06/2020 - 05/06/2020
56	Ms.P.Praveena	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
57	Ms.P.Praveena	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 23/05/2020
58	Ms.P.Praveena	STTP	Implementation of Advanced Optimization Techniques using MATLAB	Rajarambapu Institute of Technology, Rajaramnagar, Islampur	01/06/2020 - 06/06/2020

59	Mr.I.Baranilingesan	FDP	Data Science & Machine Learning	Sri Krishna College of Technology, Coimbatore	02/05/2020 - 04/05/2020
60	Mr.I.Baranilingesan	FDP	Electron Devices, Microprocessors and Image Processing	SRM Valliammai Engineering College, Chennai	11/05/2020 - 15/05/2020
61	Mr.I.Baranilingesan	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
62	Mr.I.Baranilingesan	FDP	Research Opportunities in Electrical Engineering and its Applications	PSR Engineering College, Sivakasi	18/05/2020 - 23/05/2020
63	Mr.I.Baranilingesan	ATAL-FDP	AICTE Training and Learning(ATAL) on "Robotics"	Maulana Azad National Institute of Technology, Bhopal	25/05/2020 - 29/05/2020
64	Mr.I.Baranilingesan	STTP	Internet of Things and its Applications in Industry	Ramrao Adik Institute of Technology, Mumbai	08/06/2020 - 12/06/2020
65	Mr.C.Dinesh	FDP	Bharat Operating System Solutions (BOSS) Linux	Vellore Institute of Technology, Vellore	14/05/2020
66	Mr.C.Dinesh	ATAL-FDP	AICTE Training and Learning(ATAL) on "Internet of Things(IoT)"	National Institute of Technology, Nagaland	18/05/2020 - 22/05/2020
67	Mr.C.Dinesh	STTP	MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Ramrao Adik Institute of Technology, Mumbai	18/05/2020 - 22/05/2020
68	Mr.C.Dinesh	FDP	Mathematical Modeling in Multidisciplinary Domain	Bannari Amman Institute of Technology, Sathyamangalam	01/06/2020 - 07/06/2020
69	Mr.C.Dinesh	STTP	Implementation of Advanced Optimization Techniques using MATLAB	Rajarambapu Institute of Technology, Rajaramnagar, Islampur	01/06/2020 - 06/06/2020
70	Dr.V.S.Chandrika	Workshop	Intellectual Property Rights	Mohamed Sathak AJ College of Engineering, Chennai	02/06/2020 - 03/06/2020
71	Mr.S.Vivekanandan	Workshop	Learn to Design your own Solar Home System	Energy Swaraj Foundation	3/6/2020
72	Mr.G.Saravanan	Workshop	Solving Multiobjective Optimization Problems using Deterministic & Stochastic Algorithm	Coimbatore Institute of Technology, Coimbatore	30/05/2020 - 31/05/2020
73	Dr.A.Karthick	Workshop	Patent Searching, Drafting and Filing	Panimalar Institute of Technology, Chennai	29/05/2020 - 02/06/2020
74	Mr.R.Sampathkumar	Workshop	Virtual Conference on ENERGATHON 2020	The Institute of Green Engineers	2/5/2020
75	Mr.D.Sathish Kumar	Workshop	Training Programme in Arduino	Indian Institute of Technology, Bombay	22/04/2020



76	Mr.P.Ravikumar	Workshop	Eb-based Training on Virtual Classroom	KPR Institute of Engineering and Technology, Coimbatore	2/5/2020
77	Mr.C.Pazhanimuthu	Workshop	An Interactive Approach for Online Design, Develop and Delivery for Higher Education	Panimalar Engineering College, Chennai	06/05/2020 - 12/05/2020
78	Mr.C.Pazhanimuthu	Workshop	Learn to Design your own Solar Home System	Energy Swaraj Foundation	7/5/2020
79	Mr.C.J.Vignesh	Workshop	Electromagnetic and Thermal Simulation of PMSM	Altair Engineering, United States	7/5/2020
80	Mr.T.Jagadesh	Workshop	Intellectual Property Rights	Pandit Deendayal Petroleum University, Gujarat	10/04/2020 - 11/04/2020
81	Ms.P.Praveena	Workshop	Electromagnetic and Thermal Simulation of PMSM	Altair Engineering, United States	7/5/2020

## Faculty Online Certification Course

S.No	No. of Online Courses Completed	No. of Online Webinar Attended
1	405	94

## Students Online Certification Course

S.No	Year	No. of Online Courses Completed	No. of Online Internships Completed	No. of Online Webinar Attended
1	II	1524	35	73
2	III	489	-	4
3	IV	475	-	2

## Students Participation in Workshop/Seminar/Paper Presentation

S.No	Student Name	Year	Event Name	Venue	Duration of the Event
1	Mr. B. Aravind	II	Seminar on IoT based control strategies for AC/DC micro grids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020-24/01/2020
2	Mr. C. Kathiresan	II	Seminar on IoT based control strategies for AC/DC micro grids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020-24/01/2020
3	Mr. S. Akash	II	Seminar on IoT based control strategies for AC/DC micro grids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020-24/01/2020
4	Mr. C. Karthikeyan	II	Seminar on IoT based control strategies for AC/DC micro grids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020-24/01/2020
5	Ms. S. Sonali	II	Seminar-IoT based control strategies for AC/DC Microgrids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020 - 24/01/2020
6	Ms. S. Poojitha	II	Seminar-IoT based control strategies for AC/DC Microgrids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020 - 24/01/2020
7	Ms. V. Sindhuja	II	Seminar-IoT based control strategies for AC/DC Microgrids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020 - 24/01/2020
8	K.K. Sharanya	II	Seminar-IoT based control strategies for AC/DC Microgrids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020 - 24/01/2020
9	Ms. G. Vinothini	II	Seminar-IoT based control strategies for AC/DC Microgrids with distributed energy storage systems	KPR Institute of Engineering and Technology, Coimbatore	23/01/2020 - 24/01/2020

10	Mr. V. Sridhar	II	Workshop-APP Development workshop	KPR Institute of Engineering and Technology, Coimbatore	21/02/2020
11	Mr. P. Tamilarasan	II	Workshop-APP Development workshop	KPR Institute of Engineering and Technology, Coimbatore	21/02/2020
12	Ms. S. Poojitha	II	Workshop-APP Development workshop	KPR Institute of Engineering and Technology, Coimbatore	21/02/2020
13	Ms. K.K. Sharanya	II	Workshop-APP Development workshop	KPR Institute of Engineering and Technology, Coimbatore	21/02/2020
14	Ms. S. Sonali	II	Workshop-APP Development workshop	KPR Institute of Engineering and Technology, Coimbatore	21/02/2020
15	Mr. N. Jaya Sreedhar	II	Workshop on IoT applications design	Sri Krishna College of Technology, Coimbatore	27/02/2020
16	Mr. V. Kathirodhayan	II	Workshop on IoT applications design	Sri Krishna College of Technology, Coimbatore	27/02/2020
17	N. Navaneethan	II	Workshop on IoT applications design	Sri Krishna College of Technology, Coimbatore	27/02/2020
18	Mr. B. Aravind	II	Workshop on IoT applications design	Sri Krishna College of Technology, Coimbatore	27/02/2020
19	Mr. C. Kathiresan	II	Workshop on IoT applications design	Sri Krishna College of Technology, Coimbatore	27/02/2020
20	Mr. M. Omesh ram	II	Workshop-Augumented reality and Virtual reality	Sri Krishna college of technology, Coimbatore	27/2/2020
21	Mr. R. Sandeep	II	Workshop-Augumented reality and Virtual reality	Sri Krishna college of technology, Coimbatore	27/2/2020
22	Mr. M. Sukeerthan	II	Workshop-Augumented reality and Virtual reality	Sri Krishna college of technology, Coimbatore	27/2/2020
23	Mr. M. Omesh ram	II	Quiz Curiosity	Sri Krishna college of technology, Coimbatore	27/2/2020
24	Mr. R. Sandeep	II	Quiz Curiosity	Sri Krishna college of technology, Coimbatore	27/2/2020
25	Mr. M. Sukeerthan	II	Quiz Curiosity	Sri Krishna college of technology, Coimbatore	27/2/2020
26	Mr. S. Manikandan	II	Automation system design using PLC	Kumaraguru College of Technology, Coimbatore	02/03/2020-03/03/2020
27	Mr. M. Mohamed Harish	II	Automation system design using PLC	Kumaraguru College of Technology, Coimbatore	02/03/2020-03/03/2020
28	Mr. I. James	II	Automation system design using PLC	Kumaraguru College of Technology, Coimbatore	02/03/2020-03/03/2020
29	Mr. A. Kavinkumar	II	Automation system design using PLC	Kumaraguru College of Technology, Coimbatore	02/03/2020-03/03/2020
30	Mr. K.B. Kavın	II	Automation system design using PLC	Kumaraguru College of Technology, Coimbatore	02/03/2020-03/03/2020

31	Mr. S. Kathir Vignesh	II	Workshop-Automation system design using PLC	Kumaraguru Institutions	02/03/2020-03/03/2020
32	Mr. V. Sridhar	II	Workshop- Design of Miniature sensor	Kumaraguru Institutions	02/03/2020-03/03/2020
33	Mr. R. Sharook	II	Workshop- Design of Miniature sensor	Kumaraguru Institutions	02/03/2020-03/03/2020
34	Mr. K.P. Pranav	II	Workshop- Design of Miniature sensor	Kumaraguru Institutions	02/03/2020-03/03/2020
35	Mr. V. Kathirodhayan	II	Workshop on industrial standard IP core flow using Verilog HDL	Karpagam College of Engineering, Coimbatore	05/03/2020
36	Mr. A. Naveen	II	Workshop-Industrial standard IP core flow using verilog HDL	Karpagam college of Engineering	05/03/2020
37	Mr. A. Sriharish	II	Workshop-Industrial standard IP core flow using verilog HDL	Karpagam college of Engineering	05/03/2020
38	Mr. Vishnu	II	Workshop-Industrial standard IP core flow using verilog HDL	Karpagam college of Engineering	05/03/2020
39	Mr. R. Anand kumar reddy	II	Workshop-IoT of Machine Learning	V.S.B. Engineering college, Karur	06/03/2020
40	Mr. K.M. Ramprashad	II	Workshop-IoT of Machine Learning	V.S.B. Engineering college, Karur	06/03/2020
41	Mr. P.A. Balaji	II	Paper Presentation	Kongu Engineering College, Perundurai	10/03/2020
42	Mr. V. Balakarthish	II	Paper Presentation	Kongu Engineering College, Perundurai	10/03/2020
43	Mr. P. Kiruthic	II	Paper Presentation	Kongu Engineering College, Perundurai	10/03/2020
44	Mr. P. Boobalan	II	Paper Presentation	Kongu Engineering College, Perundurai	10/03/2020
45	Mr. P. Kiruthic	II	Paper Presentation	Kongu Engineering College, Perundurai	10/03/2020
46	Mr. P. Boobalan	II	Treasure Hunt	Kongu Engineering College, Perundurai	10/03/2020
47	Mr. C. Kathiresan	II	Paper Presentation	Kongu Engineering College, Perundurai	10/03/2020
48	Mr. K.K. Sharanya	II	Workshop-Mobile Robotics	Government college of Engineering, salem	11/03/2020
49	Ms. S. Poojitha	II	Workshop-Mobile Robotics	Government college of Engineering, salem	11/03/2020
50	Ms. S. Sonali	II	Workshop-Mobile Robotics	Government college of Engineering, salem	11/03/2020
51	Mr. S. Ashok	II	Paper Presentation	Coimbatore Institute of Engineering and Technology, Coimbatore	12/03/2020

## Students Participation in Sports

S.No	Student Name	Year	Event Name	Venue	Date
1	Ms. Sushmitha	II	Throwball	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
2	Ms. Sushmitha	II	Badminton	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
3	Ms. S.Poojitha	II	KHO-KHO	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
4	Ms. K.K Sharanya	II	KHO-KHO	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
5	Ms. K.K Sharanya	II	Basket ball	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
6	Ms. K.K Sharanya	II	200 mts	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
7	Ms. K.K Sharanya	II	100 mts	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
8	Ms. K.K Sharanya	II	Volley ball	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020
9	Ms. K.K Sharanya	II	Long jump	KPR Institute of Engineering and Technology, Coimbatore	28/02/2020



## Students Conference Publication

S.No	Student Name	Event Name	Venue	Duration of the Event
1	Ms. M. Nethra	ICES 2020	SNS Institute of Technology, Coimbatore	20/02/2020 - 21/02/2020
2	Ms. V. Rajashree	ICES 2020	SNS Institute of Technology, Coimbatore	20/02/2020 - 21/02/2020
3	Ms. P. Subashree	ICES 2020	SNS Institute of Technology, Coimbatore	20/02/2020 - 21/02/2020
4	Ms. R. Sujitha	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
5	Ms. P. Nithika	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
6	Ms. P. Vanna Tharini	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
7	Ms. R. Muthu Nivedha	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
8	Ms. S. Pragadhe	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
9	Ms. S. Susma	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
10	Ms. S. Tharunika	Power Engineering Research Summit	Sri Ramakrishna Engineering College, Coimbatore	29/02/2020
11	Ms. M. Abarna	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
12	Ms. P. Bavithra	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
13	Mr. L. Devaprakash	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
14	Mr. K. Gowtham	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
15	Ms. I. Infranta Merlin	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
16	Ms. A. Jane Lourdeteresha	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
17	Ms. J. Kousalya	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
18	Ms. M. Maithreyini	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
19	Mr. R. Murali	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020



20	Mr. K. Muralidharan	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
21	Ms. R. Devisri	IACCS 2020	Sri Eshwar College of Engineering, Coimbatore	06/03/2020 - 07/03/2020
22	Mr. N. Naveen	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
23	Mr. M. Sarjun Hallaj	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
24	Mr. S.R. Sudharson	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
25	Mr. S. Santhosh	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
26	Mr. B. Selvaganpathy	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
27	Mr. J.V. Shyam Vivin	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
28	Mr. M. Surya Prakash	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
29	Ms. P. Chaarumathi	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
30	Ms. G. Chandhini	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
31	Ms. B. Chithra	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
32	Ms. S.R. Divya	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
33	Ms. R. Divyajothi	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
34	Ms. P. Kiruthikadevi	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
35	Ms. K.V. Mehareethaa	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
36	Ms. Bhagya Sasi	ICSTEM 2020	KIT Institute of Technology, Coimbatore	13/03/2020 - 14/03/2020
37	Mr. B. Akash	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
38	Ms. S. Bharathi	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
39	Mr. R. Hari Krishnan	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
40	Mr. S. Lakshmi Narayanan	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
41	Ms. K. Madhuleka	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
42	Mr. N. Arunodhayan	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020

43	Mr. M. Neu Pramod	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
44	Mr. R. Praveen	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
45	Mr. S.R. Sridhar	ICLTSET 2020	KARPAGAM Institute of Technology, Coimbatore	13/04/2020
46	Ms. G. Renugasri	ICRETM 2020	SREYAS Institute of Engineering and Technology, Hyderabad	29/04/2020
47	Ms. R. Samyuktha	ICRETM 2020	SREYAS Institute of Engineering and Technology, Hyderabad	29/04/2020
48	Ms. G.S. Srinithi	ICRETM 2020	SREYAS Institute of Engineering and Technology, Hyderabad	29/04/2020
49	Ms. S. Sumithra	ICRETM 2020	SREYAS Institute of Engineering and Technology, Hyderabad	29/04/2020
50	Mr. S. Nevash	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
51	Mr. V.N. Soorya	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
52	Mr. V. Sakthi Ananda Kumar	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
53	Ms. S. Nidyadarsanaa	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
54	Ms. N. Pavithra	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
55	Ms. K. Shalini	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
56	Ms. V.S. Shanmati	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
57	Mr. M. Nithin	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
58	Mr. E. Vijay	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
59	Mr. Jerine Victor	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020
60	Mr. U.S. Sri Gowtham Priyan	ICTEST 2020	Rathinam College of Engineering and Technology, Coimbatore	10/05/2020

## Student Placement Details

S.No.	Student Name	Organization
1	DHANUSH U.	Tata Consultancy Services Limited - Mumbai
2	DHANUSH U.	Skava Private Limited - Coimbatore
3	BAVITHRA P.	Tata Consultancy Services Limited - Mumbai
4	BAVITHRA P.	HCL Technologies Limited - Chennai
5	MEHAREETHAA K.V.	Tata Consultancy Services Limited - Mumbai
6	MEHAREETHAA K.V.	HCL Technologies Limited - Chennai
7	SUJITHA R.	Tata Consultancy Services Limited - Mumbai
8	SUJITHA R.	HCL Technologies Limited - Chennai
9	PRIYA G.	Tata Consultancy Services Limited - Mumbai
10	PRIYA G.	Skava Private Limited - Coimbatore
11	DEVAPRAKASH L.	Embed UR Systems Limited - Chennai
12	SRIRAM T.	Tata Consultancy Services Limited - Mumbai
13	SRIRAM T.	Admatic Solutions Limited - Chennai
14	KOUSALYA J.	Infosys Technologies Limited - Mysore
15	KOUSALYA J.	Nadhi Information Technologies Limited - Chennai
16	THARUNIKA S.	Financial Software and Systems Limited - Chennai
17	THARUNIKA S.	Fabulyst Private Limited - Bengaluru
18	ANDREW FRANKLIN RAJ A.	Think and Learn Limited - Bengaluru
19	ANDREW FRANKLIN RAJ A.	Clear Tax Solutions Limited - Bengaluru
20	NETHRA M.	Infosys Technologies Limited - Mysore
21	SHANMATI V.S.	Augusta Hitech Soft Solutions Limited - Coimbatore
22	HARI HARAN S.	Augusta Hitech Soft Solutions Limited - Coimbatore
23	VANNATHARINI P.	Maventic Innovative Solutions Limited - Bengaluru
24	MURALI R.	VVDN Technologies Limited - Chennai

25	GOWTHAM K.	VVDN Technologies Limited - Chennai
26	BHARATHI S.	HCL Technologies Limited - Chennai
27	INFANTA MERLIN I.	HCL Technologies Limited - Chennai
28	ABARNA M.	HCL Technologies Limited - Chennai
29	INDHIRANI D.	Skava Private Limited - Coimbatore
30	CHAKRAVARTHI C.	Skava Private Limited - Coimbatore
31	SUSMA S.	Financial Software and Systems Limited - Chennai
32	SANJAY SINGARAVELU R.	Kalycito Infotech Limited - Coimbatore
33	SHYAMVIVIN J.V.	Hexaware Technologies - Chennai
34	SHYAMVIVIN J.V.	Extramarks Private Limited - Noida
35	SHYAMVIVIN J.V.	Geethanjali Electricals Private Limited - Coimbatore
36	ELAKKIYA M.	Hexaware Technologies - Chennai
37	NEVASH S.	Hexaware Technologies - Chennai
38	VANMATHY P.	Hexaware Technologies - Chennai
39	SANJEVA KUMAR S.A.	Hexaware Technologies - Chennai
40	ABIRAMI K.	Hexaware Technologies - Chennai
41	ALDRIN JOSE	Think and Learn Limited - Bengaluru
42	SRINATH L.	Think and Learn Limited - Bengaluru
43	ARUNMOZHI T.M.	Clear Tax Solutions Limited - Bengaluru
44	LAKSHMI NARAYANAN S.	Mahathi Infotech Limited - Coimbatore
45	AMIRTHA KATESA SAIRAJ R.	L&T Technology Services Limited - Chennai
46	HARISUDHAN U.	Geethanjali Electricals Private Limited - Coimbatore
47	KUTTIRAJ G.	Geethanjali Electricals Private Limited - Coimbatore
48	NAVEEN S.	Geethanjali Electricals Private Limited - Coimbatore
49	RAGGHAV.S.	Geethanjali Electricals Private Limited - Coimbatore
50	KESAVA SURIYAN S.	Just Dial Private Limited - Coimbatore
51	PRAKASH S.K.	Just Dial Private Limited - Coimbatore
52	SHABAREESHAN M.	Just Dial Private Limited - Coimbatore

53	SRIDHAR S.R.	Just Dial Private Limited - Coimbatore
54	SAKTHI ANADHAKUMAR V.	Extramarks Private Limited - Noida
55	CHANDHINI G.	Heraizen Technologies - Bengaluru
56	ARAVINTH R.	UxindiaprivateLimited - Coimbatore
57	ARUN KUMAR M.	QbitronicsprivateLimited - Coimbatore
58	ARUN KUMAR M.	Kondaas Automation - Coimbatore
59	DIVYA S.R.	ETHNUS - Bengaluru
60	NEUPRAMOD M.	ETHNUS - Bengaluru
61	RAJASHREE V.	ETHNUS - Bengaluru
62	SELVAGANAPATHY B.	ETHNUS - Bengaluru
63	SRINITHI G.S.	ETHNUS - Bengaluru
64	SRINITHI G.S.	Paragon Digital - Chennai
65	MUTHUNIVETHA R.	WIPRO - Bengaluru
66	VIJAY E.	WIPRO - Bengaluru
67	DHENESHRAAJAN K.	Ivy Mobility - Chennai
68	GOKUL J.	Savvy IT - Chennai
69	CHITHRA B.	Savvy IT - Chennai
70	DIVYAJOTHI R.	Savvy IT - Chennai
71	HARSHIDHA P.R.	Savvy IT - Chennai
72	PAVITHRA N.	Savvy IT - Chennai
73	RENUGASRI G.	Savvy IT - Chennai
74	SHALINI K.	Savvy IT - Chennai
75	SHALINI K.	Paragon Digital - Chennai
76	SOORYA V.N.	Savvy IT - Chennai
77	ASWIN S.	Svastanibhandha - Coimbatore
78	RAHUL S.	Svastanibhandha - Coimbatore
79	CHAARUMATHI P.	Svastanibhandha - Coimbatore
80	HARI KRISHNAN R.	Svastanibhandha - Coimbatore



81	JAGADESH P.	Kondaas Automation - Coimbatore
82	SUDHARSON S.R.	Kondaas Automation - Coimbatore
83	SRI GOWTHAMPRIYAN U.S.	Kondaas Automation - Coimbatore
84	NITHYADHARSANAA	Alstom Transports - Coimbatore
85	PRAGADHE S.	Alstom Transports - Coimbatore
86	ANUSHIYA R.	Alstom Transports - Coimbatore
87	ARUNODHAYAN N.	Alstom Transports - Coimbatore
88	MURALI RAM S.	Path Finder - Coimbatore
89	AKASH B.	Ramdev Motors - Coimbatore
90	ARABIMADHARSHAN A.	Ramdev Motors - Coimbatore
91	GUNA G.	Ramdev Motors - Coimbatore
92	KEERTHIARAVIND S.P.	Ramdev Motors - Coimbatore
93	KEERTHIARAVIND S.P.	Paragon Digital -Chennai
94	BHAGYA SASI	Ramdev Motors - Coimbatore
95	DEVISRI R.	Ramdev Motors - Coimbatore
96	NARESH P.	Ramdev Motors - Coimbatore
97	NITHIN M.	Ramdev Motors - Coimbatore
98	NAVEEN N.	Ramdev Motors - Coimbatore
99	SHABAREESHAN M.	Ramdev Motors - Coimbatore
100	JERINEVICTOR R.	Path Finder - Coimbatore
101	SARJUNHALAJ M.	Path Finder - Coimbatore
102	SANTHOSH S.	Ramdev Motors - Coimbatore
103	SARAVANAKUMAR V.	Ramdev Motors - Coimbatore

# Product development

## SMART GARBAGE SYSTEM

### **Batch Members:**

Ms. A. Haripriyadharshini, IV EEE A

Ms. S. Bhavana, IV EEE A

Ms. R. Aishwaryaa, III EEE A

Ms. S. Dhivya, III EEE A

### **Supervisor:**

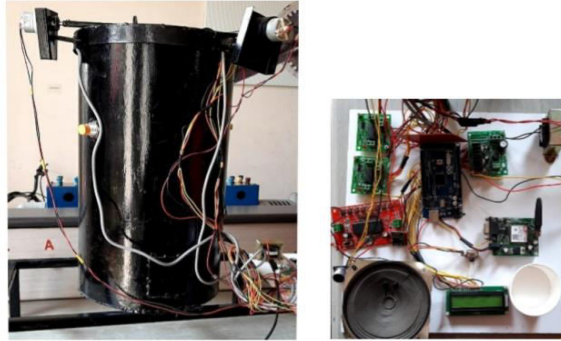
Dr. R. Uthirasamy, Associate Professor/EEE

### **Process and Benefits:**

The proposed garbage segregation and monitoring systems mainly consist of sensors, Arduino Uno controller, GSM, Wi-Fi module and shutter based garbage bins. Ultrasonic sensors are used to detect the level of the garbage in the garbage bins. The output of level detector is given to Arduino controller. In addition to ultra sonic sensors, proximity sensors and humidity are attached in the shutters valves of the garbage bins to segregate the disposals of plastics, metal and organic wastes. Garbage bins are designed with shutter based systems and are operated using servo motors. Respective sensors will detect the nature of the waste and provides logical information to the Arduino controller. The level of garbage in the dustbins is detected with the help of ultrasonic sensors system, and communicated to the respective authority to recycle or dispose the waste.

### **Application:**

The proposed system is planned to implement in hospitals, shopping malls and airports to segregate and monitor the waste. For user responsive, in addition to the garbage segregation and monitoring systems, the nature and type of the garbage bins are announced using the speaker systems.



## MONITORING OF RENEWABLE ENERGY SYSTEM

### **Batch Members:**

Mr. P.Tamilarasan, III EEE B

Mr. R.Thangavelu III EEE B

Mr. K.Venkatachalam, III EEE B

### **Supervisor:**

Dr. A. Karthik, Associate Professor/EEE

### **Process and Benefits:**

Nowadays due to the depletion of fossil fuels, there is a search of alternative fuels in the form of renewable energy, among all the renewable energy, solar PV energy place a vital role in the power production and also it is environmentally friendly. In this work A new data logger using the Arduino open-source electronic platform was developed to solve the current problem of monitoring photovoltaic (PV) systems at low-cost, especially in remote areas or regions in developing countries. The Performance of the Photovoltaic module is enhanced by water cooling method. various parameters such as module voltage, current, and the solar radiation and horizontal surface, ambient temperature are measured. The electrical performance is improved by the thermal management system using the intelligent controller. On observation it is found that PV module electrical efficiency is improved by 10% and surface temperature is reduced up to 8° C. A new data logger using the Arduino open-source electronic platform was developed to

solve the current problem of monitoring photovoltaic (PV) systems at low-cost, especially in remote areas or regions in developing countries.

**Application:**

Monitoring the performance of the Solar Photovoltaic system.



**MOBILE APP BASED STREET LIGHT CONTROLLER**

**Batch Members:**

Ms. K.Darsini – III Year EEE-A

Ms. D.Emily Aangel – III Year EEE-A

Ms. S.J. Reshma– III Year EEE-A

**Supervisor:**

Dr.R.Uthirasamy, Associate Professor/EEE

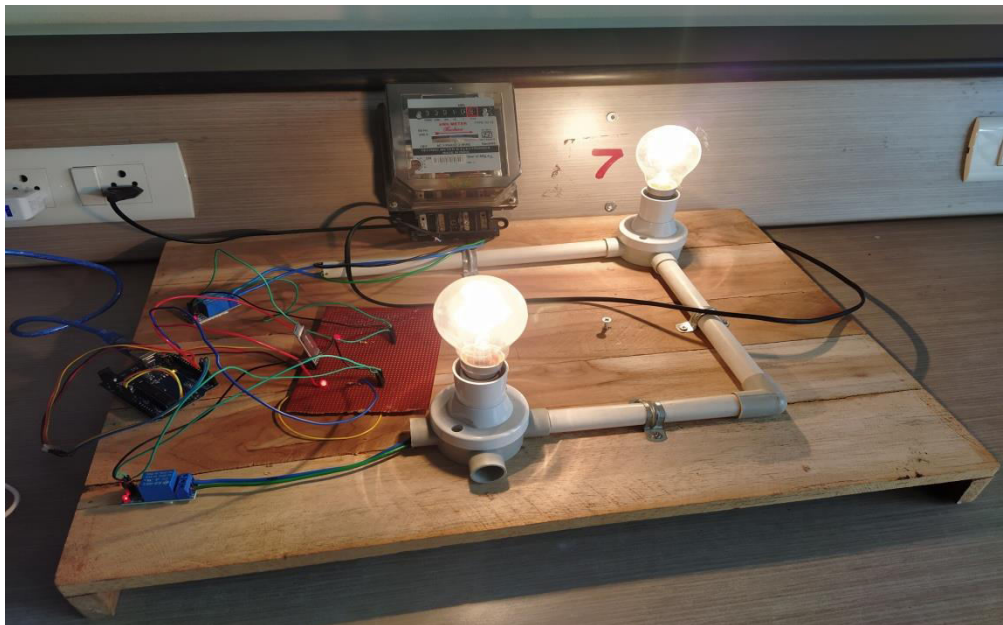
Prof.G.Saravanan, Assistant Professor (Sl.G)/EEE

## **Process and Benefits:**

In the current scenario conservation and utilization of Electrical power is more important than power generation and transmission. Hence, an automated system is required for electrical appliances. Mobile phone is a revolutionary invention of the century. It was primarily designed for making and receiving calls and text messages, but it has become the whole world after the smart phone comes into the picture. So it makes intelligent to control electrical appliances. In the proposed project, an automated system is developed to control the street light using Arduino controller through Bluetooth module. The motivation of the proposed project is to develop a street light system using mobile phones to utilize and conserve electrical power effectively. Arduino is an open source electronics prototyping platform based on flexible, easy-to-use hardware and software. Arduino Uno is based on ATmega328 microcontroller.

## **Application:**

To control ON/OFF of street light.





## AUTOMATIC SPEED LIMITING TECHNOLOGY FOR TWO WHEELER IN A RESTRICTED ZONE

### **Supervisor:**

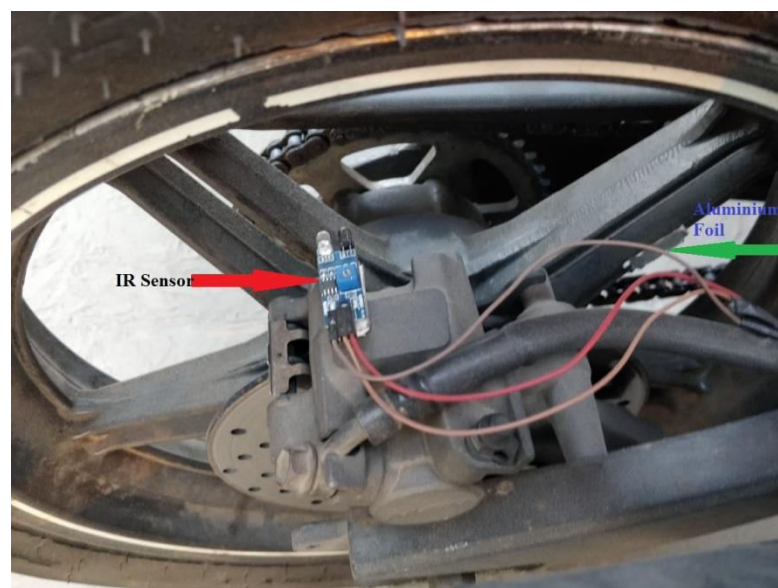
Dr. S. Ravindran

### **Process and Benefits:**

An intelligent technology for two wheeler speed control in the pre-determined red zone area by controlling the engine electronically. The system work under two inputs one from the infrared sensor input and other from the transmitted signal to the receiver input to the Controller power by Arduino. The transmitting signal is received by the receiver in bike. The fuel injector line is get interrupt by a relay .The speed limit signal and speed of the bike is sent to controller. These two signals are compared in controller, if the speed of the bike is low when compared to speed limit then the relay does not operate (normally in closed condition) the fuel injector will operate. If it is vice versa the relay will operate and the fuel injector will not operate and the fuel injection will cut off. Then the bike engine will not get fuel and vehicle gets slow down. The relay remains operating till bike speed reaches the speed limit. This work is implemented and tested in YAMAHA R15 V2.0.

### **Application:**

This is applicable in the school, college, hospital and high sensitive areas. Rash driving vehicles.



# Student's Corner



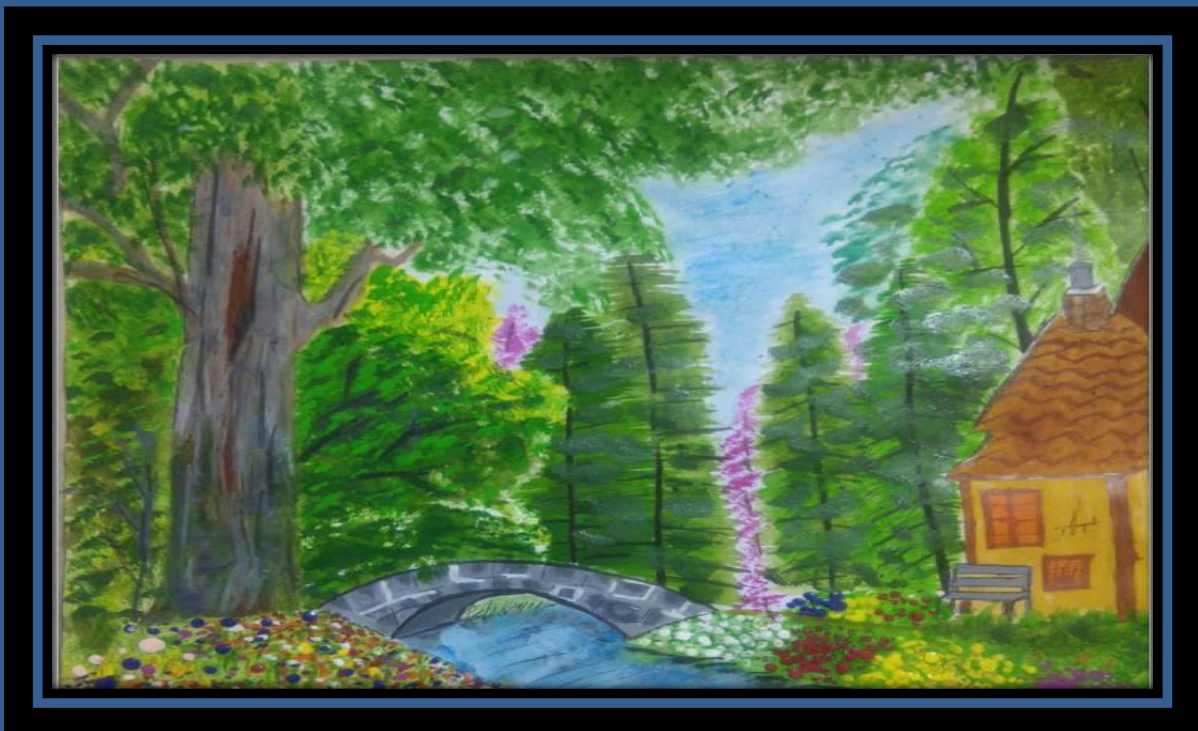
## ART GALLERY



# Student's Corner



## ART GALLERY





# Student's Corner



## ART GALLERY



S. Harini

III EEE

# Student's Corner

## Articles Tears



YOU ARE SO LIGHT

MAKE MY HEART WHITE;

YOU CARRY FEELINGS

HELP MY HEART IN HEALING;

YOU ARE THE CURE

PLEASE MAKE MY HEART PURE;

YOU ARE INNOCENT

HELP ME TO GET SENSE;

DEAR TEARS ...

YOU ARE SO SPECIAL

R.DEEPIKA,



## சந்திரனே♥

எப்படி சொல்வதென்று  
 தெரியவில்லை  
 உன் மீது நான்  
 கொண்ட காதலினை🥰  
 என்று விழுந்தேன்?  
 என்அன்னை உன்னை  
 காட்டி  
 சோறாட்டியபோதா?  
 உன் முழுமுகம் பார்த்த  
 பெளர்ணமிகளிலா??😊  
 நீ தேய்ந்த போகிற  
 தேய்பிறைகளிலா? 🌙  
 வளர்ந்து வரும்  
 வளர்பிறைகளிலா? 🌙  
 உன்னை காணாமல்  
 வேதனையுற்ற  
 அமாவாசைகளிலா?😞  
 அல்லது உன் முழு  
 முகம் காண முழுமாதம்  
 காத்திருந்த  
 காத்திருப்பிலா?? 😞  
 அப்பா!!  
 வார்த்தைகள்  
 கிடைக்கவில்லை  
 உன் எழிலை பாட....🥰  
 மதிமயங்கி போனேன்  
 முழுமதியே உன்னால்..  
 😊உணர்ச்சிகள்  
 மேலோங்கிட  
 திணறிப்போகிறேன்  
 தீராத காதலினால்...💕  
 நான் மட்டுமா காதல்  
 கொண்டேன்?  
 இந்த புவியே உந்தன்  
 ரசிகர் மன்றம்  
 என்பது உனக்கு  
 தெரியுமா??  
 பூமியில் உள்ள  
 அனைவரும் உன்னை  
 ரசிப்பதினால்  
 நாணமுற்று மேகங்கள்  
 பின்னால் ஒளிந்து  
 கொள்கிறாயா??😊  
 இல்லை மேகங்கள்  
 உன் மீது கொண்ட  
 ஆசையினால்  
 தழுவமுயலுகிறதா??  
 தெரியவில்லை..

எப்படியானாலும் உன்  
 முகம் மறைக்கும்  
 மேகங்கள் என்  
 காதலுக்கு எதிரிகளே..

உன் ஈர்ப்பினால்  
 கொந்தளிக்கும்  
 கடலினை போல என்  
 இதயம்  
 கொந்தளிக்கிறதே  
 தனியாத காதலினால்..

உலக உயிர்கள்  
 இரவினை விரும்புவது  
 உன்னாலே..  
 அதனாலே நீ  
 விடைபெறும்  
 விடியல்களில்  
 இலைகள் கண்ணீர்  
 சிந்துகிறது  
 பனித்துளிகளாய்...💧  
 நீ மறைய மறைய  
 என்கண்ணீரும்  
 கரைபுரண்டு ஓடுகிறது  
 பனித்துளிகளோடு..😞

உன் மீது நான்  
 கொண்ட உயர்  
 காதலினை அறிவாயா??

உன்னோடு சேர்ந்து  
 வானில் தோன்றும்  
 விண்மீனாய் ✨  
 நான் மாற வரம்  
 ஒன்று தருவாயா?😞  
 ஏங்குகிறேன்..💕

இப்படிக்கு

உன் உயிர் காதலி 🥰  
 பூமியிலிருந்து...



# ARTICLES IN NEWSPAPER

THE HINDU

COIMBATORE TODAY

GENERAL

**DJ Academy for Managerial Excellence:** CXO Connect, Sanjay Jayavarthanavelu, CMD of Lakhmi Machine Works, speaks, LMW Machine Tool Division, 9 a.m.

**Hindusthan College of Arts and Science:** Valedictory programme of COMSEC, 10.30 a.m.

**KPR Institute of Engineering and Technology:** Project expo, 9.30 a.m.

**Sri Narayana Guru Polytechnic College:** Annual day celebrations, 9.30 a.m.

**Sri Ramakrishna Engineering College:** Technical symposium, 9.30 a.m.

தினமணி

இன்று  
இனிதாக

தொழில்நுட்ப கருத்தரங்கு

கோயமுத்துள் பொறியியல் மற்றும் தொழில்நுட்ப கல்லூரி : காலை 9:30 மணி.

கண்காட்சி

கே.பி.ஆர்., பொறியியல் தொழில்நுட்ப கல்லூரி, அரங்கு : காலை 9:30 மணி.

கருத்துரையாடல் நிகழ்ச்சி

இரத்தினத்தூள் தொழில்நுட்ப கல்லூரி, ஒத்தகாலம்: காலை 9:30 மணி.



THE NEW  
INDIAN  
EXPRESS

ENGAGEMENTS

■ **DJ Academy:** CXO Connect, 9:00 am

■ **KPR Institute of Engineering and Technology:** Project Expo, Lab, 9:30 am

■ **Sree Narayana Guru Polytechnic College:** Annual Day Celebrations, Seminar Hall, 9:30 am

■ **Hindusthan Institute of Technology:** Inter Collegiate Meet, Seminar Hall, 9:30 am

■ **Hindusthan College of Arts and Science:** Valedictory Programme, Seminar Hall, 10:30 am

■ **Sri Ramakrishna Engineering College:** A National Level Technical Symposium, 9:30 am

■ **Sri Krishna Aditya College of Arts and Science:** Corona Virus Awareness Programme, CMC Hospital, 11 am

இந்து தமிழ்



நகரில் நடப்பவை

- இந்திய தொழில் வர்த்தக சபை இந்திய பட்டியல் கணக்காளர் சங்கம்: வருமான வரித் துறை கருத்தரங்கம், ஆளுநர் அரங்கம், ஹாஸ்டல் சாலை, மதியம் 3.00.
- இரத்தினத்தூள் சபை, அறிவியல் கல்லூரி: மற்ற நிறுவன விழா, நவ இந்தியா, காலை 10.30.
- ஸ்ரீராமகிருஷ்ணா பொறியியல் கல்லூரி: தேசிய அளவிலான கருத்தரங்கம், வட்டமண்டலமண்டபம், காலை 9.30.
- கே.பி.ஆர்., பொறியியல் மற்றும் தொழில்நுட்ப கல்லூரி: கண்காட்சி, அரங்கு, காலை 9.30.
- இரத்தினத்தூள் தொழில்நுட்ப கல்லூரி: பொருளாதார சந்திப்பு நிகழ்ச்சி, ஒத்தகாலம்: காலை 9.30.
- கல்லூரி சீலிவாசன் அறநிலையம்: ஓய்வில் கண்காட்சி தொகுதி விழா, கல்லூரி சீலிவாசன் சபை மையம், காலை 10.45.
- தேசிய முத்திரை அறக்கட்டளை, நியூ சென்னை முத்திரை நிழலாடை: 35-வது தேசிய முத்திரை நிகழ்ச்சி, முத்திரை கட்டிடம், மத்திய வெகுநு நிழலாடை எந்திரம், தொட்டில் நகர்ப்பகுதி அருகில், காந்தியம், காலை 10.00

தினமணி

இன்றைய நிகழ்ச்சிகள்

பொது

கருத்தரங்கு பங்கேற்பு - கோவை வருமான வரித் துறை முதன்மை ஆணையர் ராஜிவ் விஜய் நாயர், இந்திய தொழில் வர்த்தக சபை ஆளுநர் அரங்கம், ஹாஸ்டல் சாலை, பிற்பகல் 3.

மாணவர்களுக்கான புதுமை திட்டக் கண்காட்சி: கே.பி.ஆர். பொறியியல் மற்றும் தொழில்நுட்ப கல்லூரி, அரங்கு, காலை 9.30.

குடிபகோணம் கவிஞர் கலைக் கல்லூரி நடத்தும் ஓய்வில் கண்காட்சி: கல்லூரி சீலிவாசன் சபை மையம், அறிநரசி சாலை, மாலை 6.30.

கருத்தரங்கு: டி.ஜே.அகாடமி, ஒத்தகாலம்: காலை 9.

கருத்தரங்கு: இரத்தினத்தூள் சபை மற்றும் அறிவியல் கல்லூரி, நவ இந்தியா, காலை 10.30.

ஆண்டுவிழா: ஸ்ரீ நாராயணசுரு பாலிடெக்னிக் கல்லூரி, மதுக்கரை, காலை 9.30.

விளையாட்டு விழா: கே.பி.ஆர். சபை மற்றும் அறிவியல் கல்லூரி, அரங்கு, காலை 10.30.

**COIMBATORE TODAY**

**CULTURE**

**Vidya Vanam School:** Sornubhava-2020, Anakkatti, 10 a.m.  
**Kasthuri Sreenivasan Trust:** Exhibition of Creator 2020 series, Kasthuri Sreenivasan Art Gallery, 10 a.m.

**GENERAL**

**KVIM Business School:** Entrepreneurship Awareness camp-2020, 9.30 a.m.  
**Lions Club Coimbatore:** Thiruvalluvar Day Celebrations, Anemini Animal Corporation Girls Higher Secondary School, R.S.Puram, 2.15 p.m.  
**Jansons Institute of Technology:**

Workshop on Artificial Intelligence and Machine Learning, 9 a.m.

**Nehru Arts and Science College:** Global Management Strategies, Nehru Institute of Engineering and Technology premises, Thirumalayampalayam, 10.30 a.m.

**Sri Jayendra Saraswathy Maha Vidyalaya College of Arts and Science:** Workshop on Web Designing, 10 a.m.; Skill Development and Placement in Fashion and Apparel Sector, 10 a.m.

**Sri Ramakrishna College of Arts and Science for Women:** GANITAM-Seminar on Making Equation and Equilibrium in Life, College premises, 12 p.m.

**Bharathiar University:** Conference

on Advanced Computing- WCAC 2020, 10.30 a.m.

**SNS College of Engineering:** Entrepreneurship Awareness Camp, College premises, 9.30 a.m.

**Avinashilingam Institute for Home Science and Higher Education for Women:** Biennial Conference of Home Science Association of India, 9.30 a.m.

**Sri Krishna Arts and Science College:** Academia meet on Waste Management and Social Entrepreneurship, 10 a.m.

**KPR Institute of Engineering and Technology:** Parent Teacher Meeting and Seminar on IoT-Based Strategies with Distributed Energy Storage Systems, KPRIET premises, 9 a.m.

**Sri Ramakrishna Engineering College:** Inauguration of Workshop on Artificial Intelligence in Avionics, 9.30 a.m.

**தினமணி**



**இன்றைய நிகழ்ச்சிகள்**

**கோவை பொது**

**தேசிய அளவிலான சுருத்தாங்கம் தலைப்பு -** ஜவுளித் துறையில் உள்ள எதிர்காலம், மும்பை நிர்மலா நிகேதன் மனையியல் கல்லூரி பேராசிரியர் இளா தேதியா பங்கேற்பு, அவினாசிவிங்கம் பெண்கள் மனையியல் கல்லூரி மற்றும் உயர்கல்வி நிறுவனம், வடகோவை, காலை 9.30.

**கழிவு மேலாண்மை சுருத்தாங்கம்** ஸ்ரீ கிருஷ்ணா கலை, அறிவியல் கல்லூரி, குளியழுத்தூர், காலை 10.  
**மேலாண்மைத் துறை சுருத்தாங்கம்** நேரு கலை, அறிவியல் கல்லூரி, திருமலையம்பாளையம், காலை 10.30.

**மின்னணுவியலில் செயற்கை நுண்ணறிவு பயன்பாடு குறித்த சுருத்தாங்கம்** ஸ்ரீ ராமகிருஷ்ணா பொறியியல் கல்லூரி, வட்டமலைப்பாளையம், காலை 9.30.

**191 ஆவது கலைக் கண்காட்சி** கஸ்தூரி சீனிவாசன் கலை மையம், அவிநாசி சாலை, காலை 10.

**தேசிய அளவிலான சுருத்தாங்கம்** கே.பி.ஆர். பொறியியல் தொழில்நுட்பக் கல்லூரி, அரகூர், காலை 9.

**பெற்றோர் - ஆசிரியர்கள் சந்திப்பு திகழ்ச்சி** கே.பி.ஆர்.பொறியியல், தொழில்நுட்பக் கல்லூரி, அரகூர், காலை 9.

**மேம்பாட்டுத் திறன் குறித்த சுருத்தாங்கம்** ஸ்ரீ ஜபேந்திர சரஸ்வதி மஹா வித்யாலயா கலை, அறிவியல் கல்லூரி, சிங்காநல்லூர், காலை 10.

**இந்து தமிழ் திசை**



**நகரில் நடப்பவை**

- முறியடிப்புமூலம் பொறியியல் கல்லூரி: வான் யண மின்னணுவியலில் செயற்கை நுண்ணறிவு பயன்பாடு குறித்த சுருத்தாங்கம், வட்டமலைப்பாளையம், என்.ஜி.ஜி.டி சாலா, காலை 9.30.
- கே.பி.ஆர். பொறியியல் மற்றும் தொழில்நுட்பக் கல்லூரி: பெற்றோர்-ஆசிரியர் சந்திப்பு, தேசிய அளவிலான தொழில்நுட்பக் சுருத்தாங்கம், அரகூர், அவிநாசி சாலை, காலை 9.00.
- மத்திய அரசின் மனித வளத் துறை, மகாத்தா காந்தி ஊரக கல்விக்கான தேசிய கவுன்சில்: கழிவு மேலாண்மை மற்றும் சமூகத் தொழில்முனைவு குறித்த சுருத்தாங்கம், ஸ்ரீகிருஷ்ணா கலை மற்றும் அறிவியல் கல்லூரி, காலை 10.00.
- கஸ்தூரி சீனிவாசன் அறிவியல்: கலைக் கண்காட்சி, கஸ்தூரி சீனிவாசன் கலை மையம், அவிநாசி சாலை, காலை 10.00.
- அவிநாசிவிங்கம் மகளிர் உயர்கல்வி நிறுவனம்: ஹோம் சயின்பல் துறையில் ஏற்பட்டுள்ள வளர்ச்சி மற்றும் ஆராய்ச்சி குறித்த சுருத்தாங்கம், பாரதி பार्க் சாலை, காலை 9.30.
- கொளமர மடாசலம்: தட்சிணாமூர்த்தி சிறப்பு வழிபாடு, சின்னவேடம்பட்டி, காலை 9.00.

**தினமலர்**

**இன்றைய நிகழ்ச்சி**

**கல்வி**

**தொழில்நுட்ப விழா**



**தேசிய சுருத்தாங்கம்**

நேரு கலை கல்லூரி, திருமலையம்பாளையம் + காலை, 10:30 மணி.

கே.பி.ஆர்., பொறியியல் கல்லூரி, அரகூர், அவிநாசி





# Department of Electrical and Electronics Engineering



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