

Department of Electrical and Electronics Engineering
KPR Institute of Engineering and Technology



NEWSLETTER



ELECTROBLITZ

VOLUME 7, ISSUE 7
July 2021

EDITORIAL BOARD

PATRONS

Dr.A.M.Natarajan

Chief Executive

Dr.M.Akila

Principal

KPR Institute of Engineering and Technology

CHIEF EDITOR

Dr.V.Kumar Chinnaiyan

Professor and Head/EEE

EDITORS

Ms.B.Lalitha

Assistant Professor (Sr.G)/EEE

Dr.A.Matheswaran

Assistant Professor (Sl.G)/EEE

STUDENT EDITORS

Mr.M.Gokul, IV EEE A

Ms.G.Vinothini, IV EEE B

Mr.E.L.Hari Venkatesh, III EEE A

Mr.A.Manikandan, III EEE B

Mr.G.Maha Vishnu, II EEE A

Ms.S.Salvini, II EEE B



INDEX

S.No.	Contents	Page No.
1	Vision and Mission	1
2	PEOs POs and PSOs	2
3	Faculty Details	3
4	Association Activities	5
5	Faculty Members Designated as Resource Person	6
6	Faculty Publication	7
7	List of Eminent Academicians/Scientists Visited	8
8	Placement Details	8
9	Photo and Art Gallery	9

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 be able to:

- **PSO1** Develop skills to the expectations of the dynamic industrial practices in Electrical Engineering and allied areas.
- **PSO2** Analyze, 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.K.Mohana Sundaram	Professor
4.	Dr.R.Uthirasamy	Professor
5.	Dr.R.Kiruba Shankar	Professor
6.	Dr.V.S.Chandrika	Associate Professor
7.	Dr.P.Pandiyan	Associate Professor
8.	Dr.A.Karthick	Associate Professor
9.	Mr.S.Vivekanandan	Assistant Professor (Sl.G)
10.	Mr.G.Saravanan	Assistant Professor (Sl.G)
11.	Mr.R.Sampathkumar	Assistant Professor (Sl.G)
12.	Dr.C.Pazhanimuthu	Assistant Professor (Sl.G)
13.	Dr.I.Baranilingesan	Assistant Professor (Sl.G)
14.	Dr.S.Ravindran	Assistant Professor (Sl.G)
15.	Dr.A.Matheswaran	Assistant Professor (Sl.G)
16.	Mr.D.Sathish Kumar	Assistant Professor (Sr.G)
17.	Ms.B.Lalitha	Assistant Professor (Sr.G)

18.	Ms.R.Revathi	Assistant Professor (Sr.G)
19.	Mr.A.Mohamed Ibrahim	Assistant Professor (Sr.G)
20.	Mr.P.Ravikumar	Assistant Professor (Sr.G)
21.	Mr.V.Kamalkumar	Assistant Professor(Sr.G)
22.	Mr.C.J.Vignesh	Assistant Professor(Sr.G)
23.	Mr.K.Balamurugan	Assistant Professor
24.	Ms.P.Praveena	Assistant Professor
25.	Mr.C.Dinesh	Assistant Professor
26.	Mr.M.Mohana Sundaram	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

Webinar on the Beauty and the Beast

The department of Electrical and Electronics Engineering organized a webinar on “The Beauty and the Beast” on 03/07/2021 for students community. A heart-warming welcome remark was delivered by Mr. Nithish kumar, III EEE B. Er. K. B. Selvakumar, Senior Technical Trainer, FINEMIND presented the preparedness for interview.

Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students. Ms. Yoga priya, III EEE B proposed the vote of thanks.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")
TNEA Counselling Code: 2764

Department of EEE
KPRIET
Empower Through Learning

4 QUALITY EDUCATION
KPRIET supports the Sustainable Development Goals
kpriet.ac.in

Office of Alumni Relations

**Seniors Solrom ...
Juniors Jaikarom...**

**Secrets of Placement Success
Series VII**

**The Beauty &
The Beast**

Er. K.B. Selvakumar
Senior Technical Trainer, FINEMIND
(Alumnus Class of 2014)

03 July 2021
06:00 PM TO 07:00 PM

Meet <https://meet.google.com/jyh-bbuq-vcg>

EEE @ KPRIET 8015143858 | 9095062900

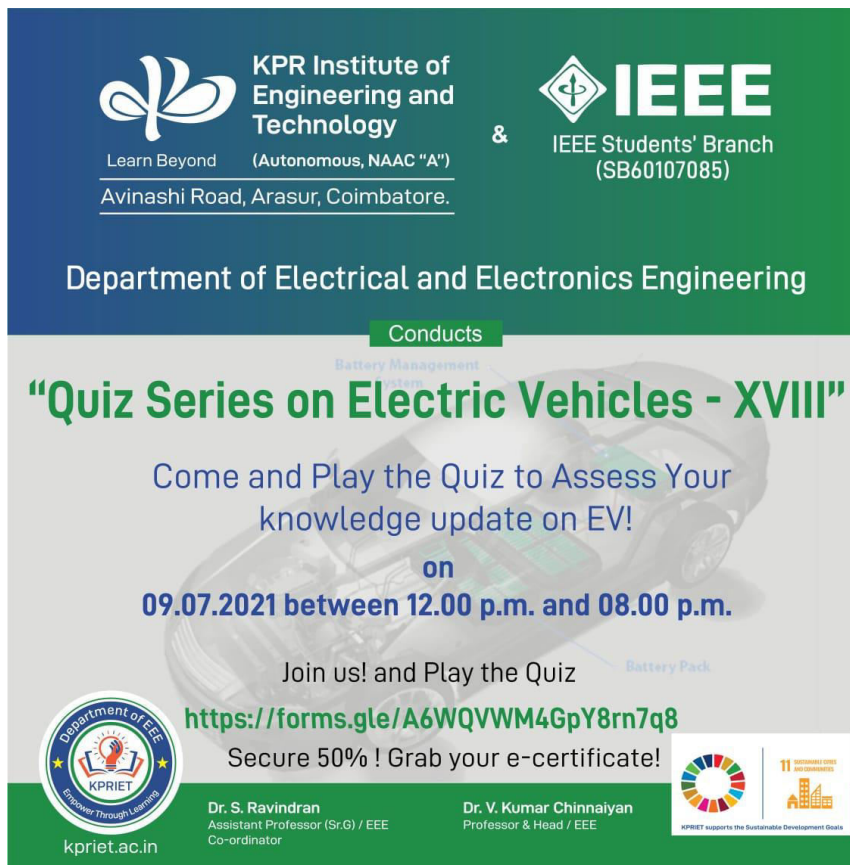
**AICTE-CII
Best Industry-Linkage
Award - 2020**
Electrical Engineering and Allied

Webinar on Quiz Series on Electric vehicles-XVIII

The department of Electrical and Electronics Engineering organized a “Quiz Series on Electric Vehicles – XVIII” on 09/07/2021 open to all, who are keen on emerging EV technologies. Participants from various Institutions, Universities and Industries across India and foreign nations have participated in this quiz.

The details of the Program Participants are given below:

Total Participants	:	120
Participants cleared the quiz and received Certificate	:	103
Participants from other Nations, Institutions and Universities	:	68
Participants from KPRIET	:	52



The poster features the logos of KPR Institute of Engineering and Technology and IEEE Students' Branch. It is organized by the Department of Electrical and Electronics Engineering. The event is titled "Quiz Series on Electric Vehicles - XVIII" and is held on 09.07.2021 from 12.00 p.m. to 08.00 p.m. The poster includes a registration link, a QR code, and the names of the organizers, Dr. S. Ravindran and Dr. V. Kumar Chinnaiyan.

Faculty Members Designated as Resource Person

- ❖ Dr. V. Kumar Chinnaiyan, Professor and Head, Department of EEE, KPRIET acted as one of the resource person for ACITE sponsored FDP on “Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System” Organised by Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology, Coimbatore from 19/07/2021 to 31/07/2021 handled a topic on “Mitigation of power quality issues in grid connected EV systems” on 20/07/2021.
- ❖ Dr R Uthirasamy, Professor, Department of EEE, KPRIET acted as one of the resource person for ACITE sponsored FDP on “Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System” Organised by Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology, Coimbatore from 19/07/2021 to 31/07/2021 handled a topic on “Power Converters for



- ❖ Dr J Karpagam, Professor, Department of EEE, KPRIET acted as one of the resource persons for AICTE Sponsored Faculty Development Programme on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System" Organised by Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology, Coimbatore from 19/07/2021 to 31/07/2021 handled a topic on “Energy Storage System for EV” on 22/07/2021.
- ❖ Dr. S. Ravindran, Assistant Professor (Sl.G), Department of EEE, KPRIET acted as one of the resource persons for AICTE Sponsored FDP on "Design and operational perspective of Electric Vehicle with Distributed Energy resources using Cyber physical system" Organised by Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology, Coimbatore from 19/07/2021 to 31/07/2021 handled a topic on “Advancement in Battery Technology” on 24/07/2021.

Publication by the Faculty Members

1. Mr. D.Sathish Kumar, “Artificial heavy-duty structural technology for AI mobile robots to control dynamic programming”, International Journal of Aquatic Science ISSN: 2008-8019 Vol 12, Issue 02, July 2021.
2. Mr. G.Saravanan, “Deep Convolutional Neural Networks For Analyzing Electromagnetic Waves Using Maxwell Equation Model”, International Journal of Aquatic Science ISSN: 2008-8019 Vol 12, Issue 02, July 2021.
3. Dr. I.Baranilingesan, “An IoT Based Machine Learning Technique for Efficient Online Load Forecasting”, International Journal of Aquatic Science ISSN: 2008-8019 Vol 12, Issue 02, July 2021.
4. Ms. P.Praveena, “A Survey on AI in Different Application Domains”, International Journal of Aquatic Science ISSN: 2008-8019 Vol 12, Issue 02, July 2021.
5. Dr. R.Sampathkumar, “Improve the effectiveness in the solar tracking system using nodemcu microcontroller”, International Journal of Aquatic Science ISSN: 2008-8019 Vol 12, Issue 02, July 2021.
6. Dr. V.S.Chandrika, “Comparison of Fuzzy Logic Systems and its Applications using Mathematical and Technological Perspective”, International Journal of Aquatic Science ISSN: 2008-8019 Vol 12, Issue 02, July 2021.
7. Dr. V.S.Chandrika, “Performance enhancements of conventional solar still using reflective aluminium foil sheet and reflective glass mirrors: energy and exergy analysis”, Environmental Science and Pollution Research, 28:32508–32516, July 2021.

List of Eminent Academicians/Scientists Visit

S.No.	Name and Designation	Organization
1	Er. K.B. Selva Kumar, Senior Technical trainer	Finemind, Coimbatore

Student Placement Details

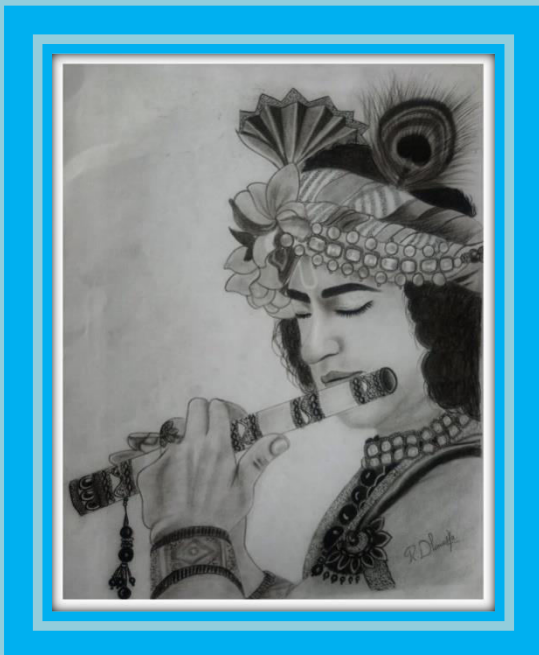
S.No.	Student Name	Organization
1	SRINATH R.	VVDN, Coimbatore



Student's Corner



ART GALLERY



Student's Corner

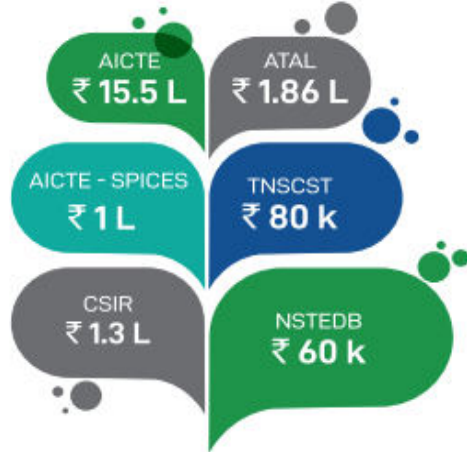


ART GALLERY

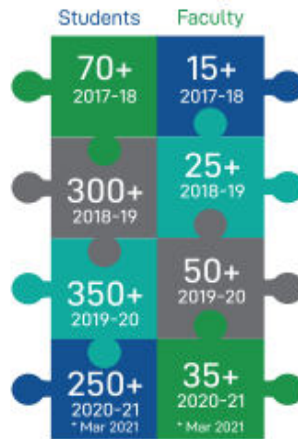


Ms. R.Dhanusya / III-EEE-A

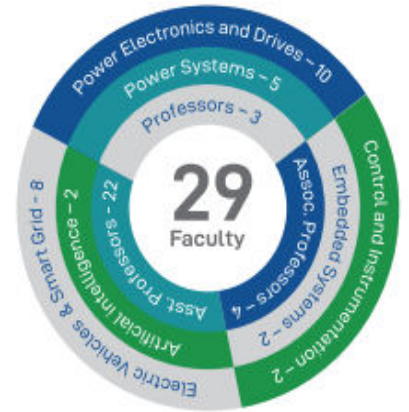
Funds Received



Internships



Faculty Details



Centre for Excellence



Industry Institute Interaction



Top Recruiters



KPR IAS Academy

Institute for UPSC Exams



Facilities @ KPRIET



For Admission and Enquiries | 0422 2635600, +91 75488 88444 | admission@kpriet.ac.in
Avinashi Road, Arasur, Coimbatore, Tamil Nadu - 641407