

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



NEWSLETTER



ELECTROBLITZ

VOLUME 8, ISSUE 10
October 2022

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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** 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.V.S.Chandrika	Associate Professor
5.	Dr.P.Pandiyan	Associate Professor
6.	Dr.A.Karthick	Associate Professor
7.	Mr.S.Vivekanandan	Assistant Professor (Sl.G)
8.	Mr.G.Saravanan	Assistant Professor (Sl.G)
9.	Dr.R.Sampathkumar	Assistant Professor (Sl.G)
10.	Dr.C.Pazhanimuthu	Assistant Professor (Sl.G)
11.	Dr.D.Sathish Kumar	Assistant Professor (Sl.G)
12.	Dr.I.Baranilingesan	Assistant Professor (Sl.G)
13.	Dr.S.Ravindran	Assistant Professor (Sl.G)
14.	Dr.A.Matheswaran	Assistant Professor (Sl.G)
15.	Dr.V.Parimala	Assistant Professor (Sl.G)
16.	Dr.A.Rakesh Kumar	Assistant Professor (Sr.G)
17.	Dr.N.Prakash	Assistant Professor (Sr.G)
18.	Dr.Rangu Seshu Kumar	Assistant Professor (Sr.G)

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

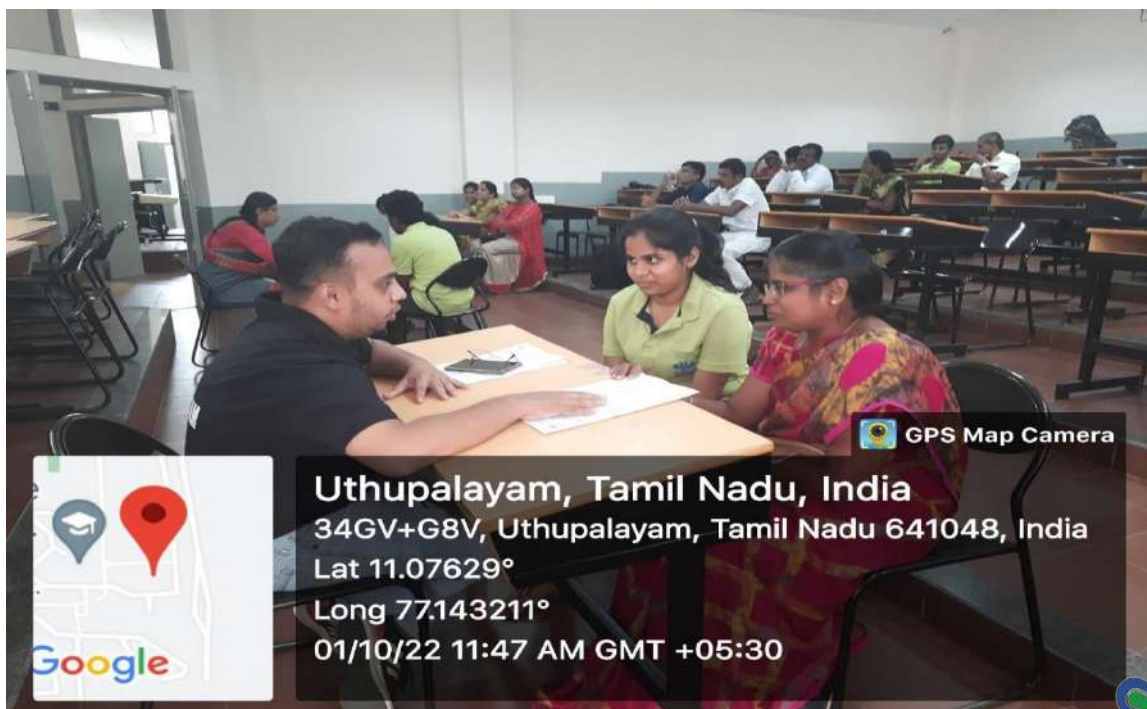
SUPPORTING STAFF

S.NO	NAME OF THE STAFF	DESIGNATION
1.	Mr.M.Vinoth Kumar	Technical Officer
2.	Mr.R.Vinoth Kumar	Technical Officer
3.	Mr.C.Gobalakrishnan	Lab Technician
4.	Mr.M.Muthukumar	Lab Instructor
5.	Mr.M.Karuppusamy	Lab Technician
6.	Ms.R.Suvalakshmi	Lab Technician
7.	Ms.P.Parameshwari	Office Assistant

ASSOCIATION ACTIVITIES

Parents Teachers Meeting

The Department of Electrical and Electronics Engineering organized a parents teachers meeting for second year EEE students on 01/10/2022 (Saturday) at 10.00 am in Thanam Hall. Prof. B.Lalitha, Assistant Professor (Sr.G), Department of Electrical and Electronics Engineering has welcomed the parents. Dr. V. Kumar Chinnaiyan, Professor & Head, Department of Electrical and Electronics Engineering presided over the function and presented the Vision & Mission, Salient features of the Department & Institution to the parents. Prof.G.Saravanan, Assistant Professor (Sl.G), delivered the vote of thanks. The meeting was attended by around 100 parents.



One Credit Course

The EKKI KPRIET International Water Technology Centre (EIWTC) organized a one credit course on 14/10/2022. A heart-warming welcome was delivered by Prof.B.Lalitha, AP (Sr.G). The resource person, Dr.S.Ravindran, AP (SI.G)/EEE and Prof.C.J.Vignesh, AP (Sr.G)/EEE has delivered valuable lecture on

- Basics of Pumps
- Pumping System Principles
- Classification of Pumps
- Standards & Certifications of Pump Industry
- Pump Performance Test
- Selection of Pumps
- Pump Application Motor
- Advancement in Pumps

The vote of thanks was delivered by Dr.S.Kanmani, AsP/EEE. There were 126 students and 05 faculty actively participated the programme and get benefited. The EIWTC thanks to the management for providing this opportunity to conduct the one credit course successfully.





**KPR Institute of
Engineering and
Technology**

Learn Beyond (Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.



The EKKI - KPRIET International Water Technology Centre

Proudly Organizes a
ONE CREDIT COURSE ON

PUMP TECHNOLOGY

INTRODUCTORY COURSE



Industry Personnel :

Dr. Sunil S.R. Gangoli

Head - Research & Development,
EKKI Pumps, Coimbatore.

Date : 14/10/2022

Time : 9.00 am to 4.15 pm
Venue : III EE Class Room

**Note : Only for Third Year Students
(EE,ME,CE)**

**SUSTAINABLE
DEVELOPMENT
GOALS**

KPRIET supports the Sustainable Development Goals



Faculty Coordinators :

Prof.B.Lalitha , AP(Sr.G)/EEE

Prof.V.Bhuvaneshwari, AP(Sr.G)/MECH

Dr.S.Kanmani, AsP/Civil

Dr.S.Ravindran, AP(Sr.G)/EEE

Prof.C.J.Vignesh ,AP(Sr.G)/EEE

Quiz Series on Electric Vehicles

The department of Electrical and Electronics Engineering organized a “Quiz Series on Electric Vehicles – XLII” on 22/10/2022 open to all, who are keen on emerging EV technologies. The poster is circulated to various Institutions and in social media digitally. Participants from various Institutions, Universities and Industries across India have participated in this quiz.

- This Quiz had 10 questions covering Electric Vehicle Technologies
- Each question carries 10 marks.
- The participants who scored 50% and above were issued with Certificate of Appreciation.

The details of the Program Participants are given below:

Total Participants	:	120
Participants cleared the quiz and received Certificate	:	106

The poster is a promotional graphic for a quiz series. It features a dark blue header with the KPR Institute of Engineering and Technology logo and name, along with the IEEE Students' Branch logo. Below the header, it states 'Department of Electrical and Electronics Engineering' and 'Conducts Battery Management'. The main title is 'Quiz Series on Electric Vehicles - XLII' in large green letters. Below the title, it says 'Come and Play the Quiz to Assess Your knowledge update on EV!' and 'on 22.10.2022'. There is a QR code on the right side. At the bottom, it provides a URL 'https://forms.gle/FQVfekTAzMA6tZBF8' and the text 'Secure 50% ! Grab your e-certificate!'. The footer includes the names and titles of the organizers: Dr. S. Ravindran (Assistant Professor ISLG / EEE Co-ordinator) and Dr. V. Kumar Chinnalyan (Professor & Head / EEE). The KPR Institute logo and website 'kpriet.ac.in' are also present.

Patent and Book Publication by the Faculty Members

1. Dr.C.Pazhanimuthu, filed the patent of “ANN Based Novel Vehicle Tracking System for Anti-Theft Application” in October 2022.
2. Dr.V.S.Chandrika, published a book titled “Introduction to Wireless Technologies”, Publisher: Scientific International Publishing House in October 2022.

Publication by the Faculty Members

1. Dr.A.Karthick, "Prediction of the Age and Gender Based on Human Face Images Based on Deep Learning Algorithm", Computational and Mathematical Methods in Medicine, Article ID 1413597, October 2022.
2. Dr.A.Karthick, "Relevant-based feature ranking (RBFR) method for text classification based on machine learning algorithm", Journal of Nanomaterials, Article ID 9238968, October 2022.
3. Dr.A.Rakeshkumar, "Sizing of rooftop PV array and community-run battery storage for an energy cooperative in prosumer cluster", Distributed Generation & Alternative Energy Journal, Volume 37, Issue 6, October 2022.

Faculty Awards and Achievements

1. Dr.A.Karthick, Associate Professor recognized as Top 2% of scientist in world rank by Stanford University, USA and Elsevier.

Students Projects

1. Mr.S.S.Harish, Mr.P.Dhanaraj, Mr.S.Deepan Kumar, Mr.S.Anandha Kumar, Mr.S.Sukant II EEE won the first place in submarine event conducted by NIT, Silchar on 23/10/2022.
2. Mr.S.S.Harish, Mr.P.Dhanaraj, Mr.S.Deepan Kumar, Mr.S.Anandha Kumar, Mr.S.Sukant II EEE won the second place in All-Terrain Vehicle (ATV) event conducted by NIT, Silchar on 23/10/2022.
3. Mr.S.Thiyaneshwar, Mr.M.Vishni, Mr.A.S.Omprakash, II EEE won the first place in Aquastrike event conducted by NIT, Calicut on 23/10/2022.
4. Mr.S.Nidhin, II EEE won the first place in Hoverdrive conducted by NIT, Calicut on 23/10/2022.
5. Mr.S.Thiyaneshwar, Mr.M.Vishni, Mr.A.S.Omprakash, II EEE won the second place in Hoverdrive conducted by NIT, Calicut on 23/10/2022.
6. Mr.V.Ravikumar, Mr.E.Sam Jeromiyaa, Mr.M.A.Thirukumaran, Mr.S.R.Nivas, II EEE won the fifth place in Hoverdrive conducted by NIT, Calicut on 23/10/2022.
7. Mr.S.Thiyaneshwar, Mr.M.Vishni, Mr.A.S.Omprakash, II EEE won the fifth place in Waterboat event conducted by NIT, Calicut on 23/10/2022.
8. Mr.Anburam, Mr.Krishna, Mr.C.M.B.Saswand, Mr.Mithunesh, III EEE won the second place in Innovsense event conducted by KPRIET, Coimbatore on 29/10/2022.

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.Parimala	Workshop	Application of Machine Learning in Electric Drives	SSN College of Engineering, Chennai	07/10/2022 & 08/10/2022
2	Dr.C.Pazhanimuthu	Workshop	Research Opportunities in Microgrid	Kumaraguru College of Technology, Coimbatore	14/10/2022
3	Dr.V.Parimala	Webinar	Introduction to AI with MATLAB	Mathworks	18/10/2022
4	Dr.V.Parimala	Webinar	Introduction to Simulink for System Modeling and Simulation	Mathworks	21/10/2022
5	Dr.I.Baranilingesan	FDP	Real-Time Applications of opal-RT for Smart Grids	VIT, Chennai	17/10/2022 - 21/10/2022

Students Participation in FDP/Seminar/Workshop/Orientation Program

S.No	Faculty Name	Class / Section	Event Name	Venue	Prize
1	Aravind V.	IV	Trade off	Sri Krishna College of Technology, Coimbatore	First
2	Aravind V.	IV	UV Drone Ideathon	Sri Krishna College of Technology, Coimbatore	Second
3	Pannai Alangara Pandian	II	Javelin Throw	Vishwankar 61st Junior and Senior Athletics Championship 2022	First
4	Dharanish Raja K. Dhinakaran M. Mukilan M. Jerome M.	III	Short Film	The Grand Iyarkai Awards 2022, Chennai	Special Mention Award
5	Susmitha S.	II	U-19 Category	2nd Coimbatore District Roller Skate Basketball Championship 2022	Gold Medal
6	Deepak J. Kavipriya R.	IV	Biz - Startup ideas	Firebird Institute of Research in Management	Winner

7	Kavipriya R.	IV	Paper Presentation	Erode Sengunthar Engineering College, Perundurai	First
8	Kavipriya R.	IV	Poster Presentation	Erode Sengunthar Engineering College, Perundurai	First
9	Manoj Kannan S. Karthik U.	III	Yuva Taranga Traditional Dance Competition	Chinmaya Yuva Kendra, Coimbatore	Cash Prize

Student Placement Details

S.No.	Student Name	Organization
1	J. Sudharsana	LTI – Let’s Solve



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Congratulates

Dr. A. Karthick

Associate Professor - EE

In Recognition of World's Top 2% Scientists

By Stanford University, USA







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

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Centre for Excellence



Industry Institute Interaction



Top Recruiters



and many more....



R & D

h index	95+	i10	110+	Publications	410+
Patents	22+	Conferences	120+	Copyrights	1
NPTEL	250+	Awards	18+	Citations	5450+

Funds Received



Internships

Students	Faculty
300+ 2018-19	25+ 2018-19
350+ 2019-20	50+ 2019-20
380+ 2020-21	56+ 2020-21
310+ 2020-21 * Dec 2021	25+ 2020-21 * Dec 2021

CONTACT

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