

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



NEWSLETTER



ELECTROBLITZ

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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 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.K.Mohana Sundaram	Professor & Head
2.	Dr.V.Kumar Chinnaiyan	Professor
3.	Dr.J.Karpagam	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.	Mr.G.Siva Sankar	Technical Assistant
7.	Ms.P.Parameshwari	Office Assistant



SKILL BUILDING WORKSHOP FOR LAB TECHNICIANS

The Department of Electrical and Electronics Engineering was organized the “Skill Building Workshop for Laboratory Technicians” on 25/05/2024. A heart warming welcome was delivered by Dr.K.Mohanasundaram, Head of the department, Electrical and Electronics Engineering. The event resource person was Mr.Raja, Senior Engineer, Silicon Systems, Coimbatore. He gave the hands on training on design of converter using MATLAB, trouble shooting in hardware circuit. The next session was laboratory visit. The following laboratory experiments were demonstrated. Exploring the power electronics: Lab demonstrations and experiments, Electrical machines laboratory: Motors, Generators and Transformers, Hands on experience with power systems simulation software, Laboratory exercises in control systems and automation , Practical applications of renewable energy systems, Smart home automation: Design and installation, Practical understanding of electrical codes and standards. The afternoon session was centre of excellence visit. The participants visited EKKI water technology centre, Hybrid and electric vehicle laboratory, L&T; Edutech, Robotics and automation laboratory and drone lab. The vote of the thanks delivered by Ms.B.Lalitha, AP(Sr.G) / EEE and certificate were distributed to the participants. Totally 27 non teaching staff members were benefited in this workshop.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

Department of Electrical and Electronics Engineering
(Accredited by NBA)

Organizes
"A Skill Building Workshop for Laboratory Technicians"
on
25th MAY, 2024

Workshop Topics:

- Power Electronics
- Electrical Machines : Motors, Generators and Transformers
- Power Systems Simulation
- Control Systems And Automation
- Renewable Energy Systems
- Smart Home Automation: Design And Installation
- Electrical Codes And Standards

Registration Fee: Rs.200/-

Contact Details:
Ms. B. Lalitha, AP(Sr.G)/EEE
+91 95005 31043

Scan QR for Registration

<https://t.me/ga/960494957>

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Faculty Participation in FDP/Seminar/Workshop/Orientation Program

S. No	Faculty Name	Event Name	Name of the Organization	Duration of The Event
1.	Saravanan G	Electric Power Grid Modernization Trends Challenges And Opportunities	PSNA College of Engineering and Technology	27-05-2024
2.	Mohamed Ibrahim A	Road Safety Awareness	Uyir Club, Coimbatore	07-05-2024
3.	Chandrika V S	South Asian Research Journal of Engineering And Technology	South Asian Research Journal Of Engineering And Technology	14-05-2024
4.	Ravindran S	Electric Power Grid Modernization Trends Challenges And Opportunities	PSNA College of Engineering and Technology	27-05-2024
5.	Balamurugan K	“Electric Power Grid Modernization Trends Challenges And Opportunities””	PSNA College of Engineering and Technology	27-05-2024

Students Participation in FDP/Seminar/Workshop/Orientation Program

S. No	Student Name	Year	Event Name	Venue
1.	JAI AAKASH S D	II	HACK2SKILL FLAGSHIP EVENT	HACK 2 SKILL
2.	NYARIRI ASSEL T	I	ELECT-ERA'24	COIMBATORE INSTITUTE OF TECHNOLOGY