

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



# NEWSLETTER



# ELECTROBLITZ

**VOLUME 9, ISSUE 7**  
**January 2024**

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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



## ALUMNI SERIES - IV ON BUILDING BRIDGES - NURTURING ALUMNI CONNECTIONS FOR JUNIOR SUCCESS

The department of EEE was organized an Alumni Series IV on 20/01/2024, 11:00 AM to 12:30 PM. The resource person is Er.Joy Daniel M, Alumnus of the 2014-2018 Batch EEE and Senior Software Engineer at Mathworks India Private Limited, Bengaluru. The event aimed to bridge the gap between academia and industry by leveraging the experiences and insights of successful alumni like Er.Joy. Er.Joy Daniel M shared valuable insights and experiences, contributing to bridging the gap between academic knowledge and real-world industry practices. The event aimed to empower junior students by providing them with guidance on their career paths and helping them understand the industry landscape. These events underscore the significance of fostering connections, collaboration, and mentorship to enhance educational and career experiences, aligning with the mission of building bridges across various domains. Further Er.Joy Daniel is interested to support technical skills to the interested juniors.



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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ORGANISES ALUMNI SERIES - IV ON

# BUILDING BRIDGES

Nurturing Alumni Connections for Junior Success



Guest Speaker  
**Er. Joy Daniel M**  
Alumnus (2014 - 2018) - EEE  
Senior Software Engineer in  
Infrastructure Architect  
MathWorks India Private Limited  
Bengaluru

CONVENOR  
Dr. MOHANA SUNDARAM K  
HoD/EEE

COORDINATOR  
Dr. MOHAMED IBRAHIM A  
Asst. Professor (Sr.G) / EEE

kpriet.edu.in | KPRIETonline



## KICK-START EVENT OF E99 CHALLENGE V2.0

The department of EEE and IGEN Ensav club was jointly organized the Energy 99 Challenge v2.0, an exciting initiative aimed at promoting energy conservation among students and raising awareness in the community. This club activity not only fosters a sense of responsibility towards sustainable living but also enhances public communication skills among students. By spreading the message of energy conservation, participants contribute to building a culture of mindful energy consumption within the community. The Energy 99 Challenge v2.0 emphasizes the role of students as ambassadors of change, inspiring others to adopt eco-friendly habits. Through this initiative, the iGen Ensav club aims to create a positive impact on the environment and instill a sense of collective responsibility for a sustainable future. The challenge aligns with the club's commitment to fostering awareness, student engagement, and community involvement in energy-saving practices. By mapping UNSDGs with NBA POs, educational institutions ensure that engineering graduates are not only technically proficient but also equipped to contribute to sustainable development goals. This approach enhances the social relevance of engineering education and prepares students to be responsible global citizens, making a positive impact on society and the environment. The synergy between UNSDGs and NBA POs underscores the importance of an inclusive, responsible, and forward-thinking approach to engineering education.

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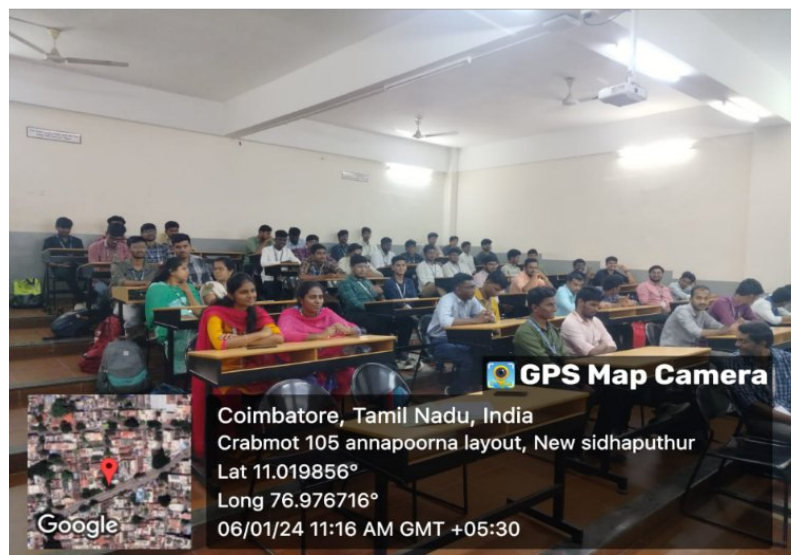
**GREEN9**  
**ENSAV CLUB**  
Energy Saving Awareness Club

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**in Association with ENSAV Club**  
Organizes a  
**EVENT**  
"Kick-Start Event of E99 Challenge V2.0"

Date : 06.01.2024  
Time : 11.00 AM to 12.00 PM  
III Year class room  
kpriet.edu.in | KPRIETonline

Coordinators  
Dr. S. Ravindran , AP (SI.G)

**iGen**





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

S. No	Faculty Name	Event Name	Name of the Organization	Duration of the Event
1	Mohamed Ibrahim A	Teaching and Learning in Engineering	Indian Institute of Science Bangalore	10-01-2024
2	Mohamed Ibrahim A	FDP on Teaching and Learning in Engineering (Tale)	IIT Madras	02-01-2024
3	Vignesh C J	Exploring Teaching Strategies And Research Scope In Renewable Energy Sectors	Hindusthan College of Engineering and Technology	02-01-2024
4	Ravindran S	Electric Vehicles: Technologies & Challenges	Albersian Institute of Science and Technology	29-01-2024
5	Pandiyan P	FDP on Teaching and Learning in Engineering (Tale)	IIT Madras	22-01-2024
6	Parimala V	FDP on Teaching and Learning in Engineering (Tale)	IIT Madras	22-01-2024

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

S. No	Student Name	Year	Course Name
1	ABHIRAMI R	III	JAVA COURSE- MASTERING THE FUNDAMENTALS
2	ABISHEK K	III	MATLAB SIMULINK ON RAMP
3	BANUPUTRA B V K	III	MATLAB ON RAMP
4	DHIVYA K S	III	SCALER - JAVA COURSE - MASTERING THE FUNDAMENTALS
5	GIREDHARSAN B S	III	MASTER THE FUNDAMENTALS
6	GOWTHAM R	III	MATLAB ONRAMP CERTIFICATION

7	GOWTHAM S	III	MICROCONTROLLER EMBEDDED C PROGRAMMING: ABSOLUTE BEGINNERS
8	GOWTHAM S	III	MATLAB ON RAMP
9	GOWTHAM V	III	JAVA COURSE-MASTERING THE FUNDAMENTALS
10	HAMSAVARTHINI T P	III	SUPPLY CHAIN MANAGEMENT
11	HAMSAVARTHINI T P	III	MASTER THE FUNDAMENTALS AND BEYOND
12	HAMSAVARTHINI T P	III	DATA STRUCTURE ALGORITHM
13	HAMSAVARTHINI T P	III	JAVA COURSE MASTERING THE FUNDAMENTALS
14	HARINI J	III	SCALAR - MASTERING THE FUNDAMENTAL
15	HARINI J	III	SCALER-JAVA COURSE-MASTERING THE FUNDAMENTALS
16	JEVAA KHARTHIK N	III	JAVA COURSE - MASTERING THE FUNDAMENTALS
17	JEVAA KHARTHIK N	III	ETHICAL HACKING AND CYBERSECURITY
18	KOUSHIK M	III	MICROCONTROLLER EMBEDDED C PROGRAMMING: ABSOLUTE BEGINNERS
19	LALITH RAJ R	III	JAVA COURSE (MASTERING THE FUNDAMENTALS)
20	RAGURAM S	III	JAVA COURSE- MASTERING THE FUNDAMENTALS
21	RAVIVARMA K	III	INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS
22	RHIYAS AHAMED S	III	MATLAB ON RAMP
23	RITHIK E D	III	JAVA BEGINNER
24	SOWNTHRYA S	III	BASICS OF JAVA PROGRAM



25	DHANARAJ P	III	PETRICHOR'24
26	ABINAYA ANANDKUMAR	I	ROAD SAFETY AND AWARENESS PROGRAM
27	DARSHINI SHREE T	I	ROAD SAFETY AWARENESS PROGRAM AND RALLY
28	DEEPIKA R	I	NATIONAL ROAD SAFETY AWARENESS PROGRAM & RALLY;
29	DHARSHINI V	I	NATIONAL ROAD SAFETY AWARENESS PROGRAM AND RALLY
30	DHARSHINI V	I	ONLINE MATHEMATICAL TALENT EXAM
31	KANISHKAA R	I	SEARCH ENGINE OPTIMIZATION WITH SQUARE
32	KANISHKAA R	I	COURSERA PROJECT NETWORK
33	KANISHKAA R	I	INTRODUCTION TO CAREER SKILLS IN SOFTWARE DEVELOPMENT
34	NANDANA A	I	ROLE OF THE POWER ELECTRONICS IN STRUCTURING THE SMART CITY
35	NANDANA A	I	ROLE OF POWER ELECTRONICS IN STRUCTURING THE SMART CITY
36	NYARIRI ASSEL T	I	NATIONAL ROAD SAFETY AWARENESS PROGRAM AND RALLY
37	NYIKAVARANDA HAPPYMORE R	I	NATIONAL ROAD SAFETY AWARENESS PROGRAM AND RALLY
38	SANDHIYA S	I	ICRIMST'24
39	SESAMWA TATENDA	I	NATIONAL ROAD SAFETY AWARENESS PROGRAM & RALLY
40	SUPRIYA K	I	NEHRU YUVA KENDRA SANGATAN
41	YAZHINI K	I	ICRIMST-2024