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

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Learn Beyond

NEWSLETTER

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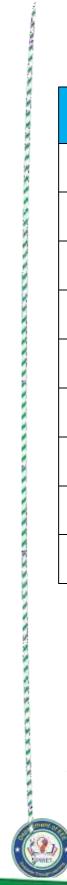**Mr.M.Mohan Prasath,** II EEE B
Ms.H.P.Chitrika, II EEE A

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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.S.Chandrika	Professor
3.	Dr.P.Pandiyan	Associate Professor
4.	Dr.A.Karthick	Associate Professor
5.	Dr.C.Pazhanimuthu	Associate Professor
6.	Dr.V.Parimala	Associate Professor
7.	Mr.G.Saravanan	Assistant Professor (Sl.G)
8.	Dr.R.Sampathkumar	Assistant Professor (Sl.G)
9.	Dr.D.Sathish Kumar	Assistant Professor (Sl.G)
10.	Dr.I.Baranilingesan	Assistant Professor (Sl.G)
11.	Dr.S.Ravindran	Assistant Professor (Sl.G)
12.	Dr.A.Rakesh Kumar	Assistant Professor (Sl.G)
13.	Dr.P.Ravikumar	Assistant Professor (Sr.G)
14.	Dr.N.Prakash	Assistant Professor (Sr.G)
15.	Dr.Rangu Seshu Kumar	Assistant Professor (Sr.G)
16.	Ms.B.Lalitha	Assistant Professor (Sr.G)
17.	Ms.R.Revathi	Assistant Professor (Sr.G)
18.	Mr.A.Mohamed Ibrahim	Assistant Professor (Sr.G)
19.	Mr.V.Kamalkumar	Assistant Professor (Sr.G)

20.	Mr.C.J.Vignesh	Assistant Professor (Sr.G)
21.	Mr.C.Dinesh	Assistant Professor (Sr.G)
22.	Mr.K.Balamurugan	Assistant Professor
23.	Mr.M.Mohana Sundaram	Assistant Professor
24.	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.M.Soundharrajan	Lab Instructor
8.	Mr.G.Siva Sankar	Technical Assistant
9.	Ms.P.Parameshwari	Office Assistant

The NIRF rankings, released annually by the Ministry of Education, Government of India, are considered a benchmark for assessing the quality and performance of higher education institutions across the country. Our KPR Institute of Engineering and Technology ranked **101 - 150band under the Engineering category, 151-200 band in Overall Ranking, and 51 - 100 band for Innovation**.

Journal Publication by the Faculty Members

1. Dr.Rangu Seshu Kumar, "State of the art review on energy management and control of networked microgrids", Elsevier- Sustainable Energy Technologies and Assessments, Volume 57, No.1, May 2023.

2. Dr.D.Sathishkumar, "Optimal scheduling algorithm for residential building distributed energy source systems using Levy flight and chaos-assisted artificial rabbits optimizer", Elsevier – Energy Reports, Volume 9, No.1, May 2023.

Conference Publication by the Faculty Members

1. Dr.P.Pandiyan, "A Three-Dimensional Approach for Stock Prediction Using AI/ML Algorithms: A Review & Comparison", IEEE - 4th International Conference on Innovative Trends in Information Technology (ICITIIT), May 2023.
2. Dr.V.Parimala, "A Review on Bio Energy/Biomass Fuel Selection and Energy Conversion", IEEE - 9th International Conference on Advanced Computing and Communication Systems (ICACCS), May 2023.

Book Chapter Publication by the Faculty Members

1. Dr.P.Pandiayn, "A Comprehensive Review on Internet of Agro Drones for Precision Agriculture", Internet of Drones - Applications, Opportunities, and Challenges – CRC Press, Page No.99 – 123, May 2023.

Faculty Participation in FDP/Seminar/Workshop/Orientation Program

S. No	Faculty Name	Type of the Event	Event Name	Name of the Organization	Duration of the Event
1	Dr.Rangu Seshu Kumar	Conference	Electric Power and Renewable Energy Conference	NIT, Jamshedpur	25/05/2023 – 27/05/2023
2	Dr.I.Baranilingesan	Course	Quantum Computing using Indigenous Quantum Simulator QSim	IIT, Roorkee & C-DAC, Hyderabad	One Month

Faculty Participation in NPTEL

S. No	Faculty Name	Course Name	Grade
1	Dr. V. S. Chandrika Professor	NBA Accreditation and Teaching and Learning in Engineering (NATE)	Elite+ Silver & Topper 5%
2	Dr. I. Baranilingesan Assistant Professor (Sl.G)	Sensors and Actuators	Successfully completed
3	Dr. V. Parimala Assistant Professor (Sl.G)	Non-Conventional Energy Source	Successfully completed
4	Mr. P. Ravikumar Assistant Professor (Sr.G)	Leadership and Team Effectiveness	Elite+ Silver
5	Mr. V. Kamalkumar Assistant Professor (Sr.G)	Microprocessors and Microcontrollers	Successfully completed

Students Participation in NPTEL

S. No	Student Name	Year & Section	Course Name	Grade
1	Abhirami R	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite+Silver
2	Abinandhana B.M	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite+Silver Topper 5%

3	Abishek A	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite+Silver
4	Abishek K	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
5	Agaash V S	II EEE A	Introduction to Internet of Things	Elite
6	Ahil Mozhi G.T	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
7	Alagar Samy R	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite+Silver
			Introduction to Internet of Things	Elite+Silver
8	Arjun V	II EEE A	Introduction to Internet of Things	Successfully Completed
9	Banuputra Bvk	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
10	Binglang Lam	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
11	Chakaravarthi R G P	II EEE A	Introduction to Internet of Things	Successfully Completed
12	Chitrika H P	II EEE A	Introduction to Internet of Things	Elite
13	Dhanush S	II EEE A	Introduction to Internet of Things	Successfully Completed
14	Dharani M	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
			Introduction to Internet of Things	Elite
15	Dharunkumar K	II EEE A	Introduction to Internet of Things	Elite
16	Dhilip Y	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
17	Dinesh S	II EEE A	Programming in Java	Elite+Silver
18	Dwarakan P R	II EEE A	Introduction to Internet of Things	Elite+Silver
19	Girithar R R	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
			Introduction to Internet of Things	Elite
20	Gopika B	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
			Introduction to Internet of Things	Elite
21	Gowtham R	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed

			Introduction to Internet of Things	Elite
22	Gowtham S	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
23	Gowtham V	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
24	Gurudeep A.R	II EEE A	Introduction to Internet of Things	Elite
25	Harish P S	II EEE A	Introduction to Internet of Things	Elite+Silver
			Introduction to Industry 4.0 and Industrial Internet of Things	Elite+Silver
26	Jagadeeshwaran M	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
27	Janarthanan J	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
28	Jeevitha S	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
			Introduction to Internet of Things	Successfully Completed
29	Joseph Bharath M	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
30	Joshua R	II EEE A	Introduction to Internet of Things	Successfully Completed
31	Kaviya R	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
32	Kavya R	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
33	Keerthi Ragavendran S	II EEE A	Introduction to Internet of Things	Elite+Silver
34	Keerthiga M	II EEE A	Introduction to Internet of Things	Elite+Silver
35	Kiran S	II EEE A	Introduction to Internet of Things	Elite
36	Kishore Rj	II EEE A	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
37	Koushik M	II EEE A	Introduction to Internet of Things	Elite
			Introduction to Industry 4.0 and Industrial Internet of Things	Elite
38	Madhavan S	II EEE A	Introduction to Internet of Things	Successfully Completed
			Introduction to Industry 4.0 and Industrial Internet of Things	Elite

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40	Dhanaraj P	II EEE A	Introduction to Internet of Things	Successfully Completed
			Introduction to Industry 4.0 and Industrial Internet of Things	Elite
41	Mithun Raam P	II EEE B	Introduction to Internet of Things	Elite
42	Mohamed Halith S	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
43	Mohan Prasath M	II EEE B	Introduction to Internet of Things	Elite
44	Muthuraj C	II EEE B	Introduction to Internet of Things	Successfully Completed
45	Nagapadmawathi B	II EEE B	Introduction to Internet of Things	Elite
46	Nidhi Kothari D	II EEE B	Data Analytics with Python	Successfully Completed
47	Pannai Alangara Pandian S	II EEE B	Introduction to Internet of Things	Successfully Completed
48	Pranesh P	II EEE B	Introduction to Internet of Things	Elite
49	Praveen K	II EEE B	Introduction to Internet of Things	Successfully Completed
50	Raguram S	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
51	Ravikumar S	II EEE B	Introduction to Internet of Things	Successfully Completed
52	Rithik E D	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
53	Roshini U	II EEE B	Introduction to Internet of Things	Elite+Silver
54	Salem Noel Jothik D	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
55	Saminasri P	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
56	Sanjay D	II EEE B	Introduction to Internet of Things	Successfully Completed
57	Sanjay R	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
58	Sownthrya S	II EEE B	Introduction to Internet of Things	Elite+Silver
59	Srimathi S	II EEE B	Introduction to Internet of Things	Successfully Completed
60	Sudharshan P	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
61	Thiyaneshwar S	II EEE B	Introduction to Internet of Things	Successfully Completed

62	Velmurugan C	II EEE B	Introduction to Internet of Things	Successfully Completed
63	Vigneshwaran M	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
64	Vijayavelan B	II EEE B	Introduction to Internet of Things	Successfully Completed
65	Vinithkumar A S	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
			Introduction to Internet of Things	Elite
66	Vishnu M	II EEE B	Introduction to Internet of Things	Successfully Completed
67	Mohammed Arsha dV.A.H.	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
68	Nareen Athishankar M.	II EEE B	Introduction to Internet of Things	Elite
69	Parameswaran S.	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
70	Praveen W.	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
71	Gokulan M.P.	II EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully Completed
72	Kishore R	III EEE A	Introduction to Industry 4.O and Industrial Internet of things	Elite
73	Lalit C	III EEE A	Introduction to Industry 4.O and Industrial Internet of things	Elite
74	Hariprasanth S	III EEE A	Introduction to Industry 4.O and Industrial Internet of things	Successfully completed
75	Krishna S	III EEE A	Introduction to Industry 4.O and Industrial Internet of things	Successfully completed
76	Hamjathkhan N	III EEE A	Introduction to Industry 4.O and Industrial Internet of things	Elite
77	Pandiduari M.	III EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite
78	Sakthi M.	III EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully completed
79	Santhosh S.	III EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully completed
80	Sriram S.	III EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully completed
81	Surya V.	III EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully completed
82	Vijaya Raghavan S.	III EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Successfully completed
83	Mithunesh S.	III EEE B	Introduction to Industry 4.0 and Industrial Internet of Things	Elite

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Student Placement Details

S.No.	Student Name	Organization
1	Abinaya K	BSH, Chennai
2	Dharanish Raja K	BSH, Chennai
3	Divya Dharshini G	BSH, Chennai
4	Divya E	BSH, Chennai
5	Dony Robin R	BSH, Chennai
6	Jetheash S.A	BSH, Chennai
7	Mukilan M	BSH, Chennai
8	Praveena K	BSH, Chennai
9	Sara Evanjalin.C	BSH, Chennai
10	Saran.J	BSH, Chennai
11	Sethumadhavan A	BSH, Chennai

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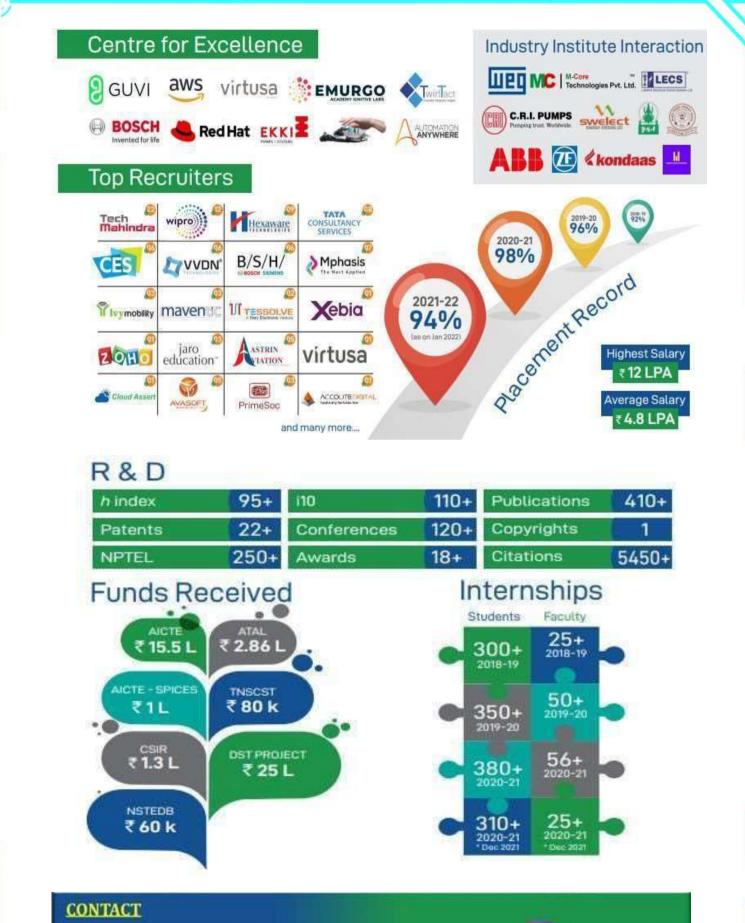## Achievement in Paper Presentation

Mr.P.R.Dwarakan   Mr.M.Joseph Bharath

Second Year - EEE

Won Second Place in Paper Presentation in the Technical Event Conducted by Coimbatore Institute of Technology on 02.04.2023

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Top Recruiters

Tech Mahindra (32)	wipro (12)	Hexaware TECHNOLOGIES (09)	TATA CONSULTANCY SERVICES (08)
CES (96)	VVDN TECHNOLOGY (06)	B/S/H/ BOSCH SIEMENS (96)	Mphasis The Next Applied (07)
Ivymobility (03)	mavenuc (02)	TESSOLVE a Hero Electronix Venture (02)	Xebia (02)
ZOHO (01)	jaro education (03)	ASTRIN AVIATION (05)	virtusa (01)
Cloud Assert (01)	AVASOFT (05)	PrimeSoc (03)	ACCOLITE DIGITAL (01)

and many more....

Placement Record

- 2018-19 **92%**
- 2019-20 **96%**
- 2020-21 **98%**
- 2021-22 **94%** (as on Jan 2022)

Highest Salary ₹12 LPA

Average Salary ₹4.8 LPA

R & D

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

Funds Received

- AICTE ₹15.5 L
- ATAL ₹2.86 L
- AICTE - SPICES ₹1 L
- TNSCST ₹80 k
- CSIR ₹1.3 L
- DST PROJECT ₹25 L
- NSTEDB ₹60 k

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