KPR Institute of Engineering and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407

LEARN BEYOND

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWSLETTER

ELECTROBLITZ

VOLUME 6, ISSUE 2

July 2020

EDITORIAL BOARD

KPR Institute of Engineering and Technology
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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.

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- **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.Mohanasundaram	Professor
4.	Dr.R .Uthirasamy	Associate Professor
5.	Dr.V.S.Chandrika	Associate Professor
6.	Dr.P.Pandiyan	Associate Professor
7.	Mr.S.Vivekanandan	Assistant Professor (Sl.G)
8.	Mr.G.Sarvanan	Assistant Professor (Sl.G)
9.	Dr.A.Karthick	Assistant Professor (Sl.G)
10.	Mr.R.Sampath Kumar	Assistant Professor (Sl.G)
11.	Mr.A.Gowri Shankar	Assistant Professor (Sr.G)
12.	Mr.D.Sathish Kumar	Assistant Professor (Sr.G)
13.	Ms.B.Lalitha	Assistant Professor (Sr.G)
14.	Ms.V.J .Vijayalakshmi	Assistant Professor (Sr.G)
15.	Ms.R .Revathi	Assistant Professor (Sr.G)
16.	Mr.A.Mohamed Ibrahim	Assistant Professor (Sr.G)
17.	Mr.P.Ravikumar	Assistant Professor (Sr.G)
18.	Mr.C.Pazhanimuthu	Assistant Professor (Sr.G)

19.	Dr.S.Ravindran	Assistant Professor (Sr.G)
20.	Mr.V.Kamal Kumar	Assistant Professor
21.	Mr.K.Balamurugan	Assistant Professor
22.	Mr.C.J.Vignesh	Assistant Professor
23.	Ms.S.Divya	Assistant Professor
24.	Ms.P.Praveena	Assistant Professor
25.	Dr.I.Baranilingesan	Assistant Professor
26.	Mr.C.Dinesh	Assistant Professor
27.	Mr.M.Mohanasundaram	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

<center>ASSOCIATION ACTIVITIES</center>

Webinar on Sustainability in Electrical Engineering

The department of Electrical and Electronics Engineering organized a webinar on "**Sustainability in Electrical Engineering**" on 4th July 2020. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Department of EEE. Er.S.Kubendhiran, Regional Engineering Manager, Integrated Facilities Management, Singapore presented the following topics Energy efficient in home appliances, Renewable and Non renewable energy and Sustainability. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students, faculty members and industry persons. 105 Participants from various institutions and industries attended the webinar.

Webinar on IoT Applications for Smart Home

The department of Electrical and Electronics Engineering organized a webinar on "**IoT Applications for Smart Home**" on 4th July 2020. A heart-warming welcome remark was delivered by Prof.S.Vivekanandhan, Assistant Professor (Sl.G), Department of EEE. Er.Dinesh Ponnusamy, Embedded Developer, SAI Incubation Centre, Coimbatore, presented the topics on

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Benefits of IoT in our daily needs, Future of IoT, Introduction to Raspberry Pi 4 and Basic IoT Components. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students, faculty members and industry persons. 156 Participants from various institutions and industries attended the webinar.

Webinar on Industrial Expectations and Challenges for Gen-Z Graduates

The department of Electrical and Electronics Engineering organized a webinar on "**Industrial Expectations and Challenges for Gen-Z Graduates**" on 7th July 2020. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnayan, Professor and Head, Department of EEE. Er.V.Aravindh, Embedded Software Developer, Timesys India LLp, Coimbatore presented the following deliberations Industrial focus options, Higher studies focus options, Industry Perspective about arrear, What's next after degree and How to utilize social media platform. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students and faculty members. 100 Participants from various institutions have attended the webinar.

Webinar on Career Guidance and Motivation

The department of Electrical and Electronics Engineering organized a webinar on "**Career Guidance and Motivation**" on 15th July 2020. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnayan, Professor and Head, Department of EEE. Er.Shanmuga Perumal, Developer, Basics Experts Consulting Service Pvt Ltd., Chennai presented the following deliberations Industrial focus options, Higher studies focus options, Industry Perspective about arrear, How to actively involved in college event and How to utilize social media platform. Students expressed their gratitude towards the resource person for knowledge which he shared. 78 Participants from various institutions have attended the webinar.

Webinar on Applications of Artificial Intelligence in Electrical Engineering

The department of Electrical and Electronics Engineering organized a webinar on "**Applications of Artificial Intelligence in Electrical Engineering**" on 22nd July 2020. A heart-warming welcome remark was delivered by Prof.C.Dinesh, Assistant Professor, Department of EEE. Er.Dinesh Ponnusamy, Embedded Developer, SAI Incubation Centre, Coimbatore presented the following deliberations Benefits of AI in our daily needs, Practical Application of AI Systems in Health Care, Artificial intelligence concerns itself with intelligent behaviour and How Expert Systems can be used in Electrical Vehicle. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students. 300 Participants from various institutions have attended the webinar. Ms.Madumathi, III EEE proposed the vote of thanks.

AICTE Sponsored STTP (Series – I)

The department of Electrical and Electronics Engineering organized a AICTE Sponsored Online STTP (Series - I) on "**Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy**" from 20 July to 27 July 2020 for faculty members. A heart-warming welcome remark was delivered by Dr.V.Kumar Chinnayan, Professor and Head, Department of EEE.

Webinar on Opportunities for Energy Engineers

The department of Electrical and Electronics Engineering organized a webinar on "**Opportunities for Energy Engineers**" on 27th July 2020 for young engineering aspirants. A heart-warming welcome remark was delivered by Prof.C.Dinesh, Assistant Professor, Department of EEE. Er.R.Samuel, HR Admin, Kondaas Automation, Coimbatore, presented the following deliberations Energy Technology as it handles conversion, transfer, production, distribution and use of energy, Primary responsibilities of energy engineers, and Combine renewable energy production with existing power systems and Career opportunities for aspirants. Students expressed their gratitude towards the resource person for knowledge which he shared. This webinar is interesting for the students. 62 Participants from various institutions have attended the webinar. Prof.T.Jagadeesh proposed the vote of thanks.

Faculty Members Journal Publications

1. Mr. Sathish Kumar D, "Blackout Projectile Missile", Journal of Critical Reviews, Vol. 7, Issue 1, July 2020.

2. Dr. Karthick A, "Investigation of Inorganic Phase Change Material for a Semi-Transparent Photovoltaic Module", Energies, Vol.13, Issue 1, July 2020.

Faculty Members Designated as Resource Person

1. Dr. R. Uthirasamy, Associate Professor from the Department of Electrical and Electronics Engineering, was designated as the Resource Person for the STTP titled "AICTE Sponsored STTP on "Recent Advancements in Integration of Distributed Energy Resources for electric Vehicle Charging stations and Energy Management using Internet of energy" at KPR Institute of Engineering and Technology, Coimbatore on 24th July 2020.

2. Ms. V.J. Vijayalakshmi, Assistant Professor (Sr.G) from the Department of Electrical and Electronics Engineering, was designated as the Resource Person for the STTP titled "AICTE Sponsored STTP on "Recent Advancements in Integration of Distributed Energy Resources for electric Vehicle Charging stations and Energy Management using Internet of energy" at KPR Institute of Engineering and Technology, Coimbatore on 25th July 2020.

Publication in Journal by Students

1. Srinath L, Naveen S, Sanjay Singaravelu R and Sanjeva Kumar S A, "Blackout Projectile Missile", Journal of Critical Reviews, Vol. 7, Issue 1, July 2020.

List of Eminent Academicians/Scientists Visited

S.No.	Name and Designation	Organization
1	Er. S. Kubendhiran Regional Engineering Manager	Integrated Facilities Management, Singapore
2	Er. Dinesh Ponnusamy Embedded Developer	Sai Incubation Centre, Coimbatore
3	Er. V. Aravindh Embedded Software Developer	Timesys India LLp, Coimbatore
4	Er. Shanmuga Perumal Developer	Basics Experts Consulting Service Pvt Ltd, Chennai
5	Dr. G. Janaki Senior Project Officer	Teaching Learning Centre IIT, Madras
6	Dr. K. Palanisamy Associate Professor	Vellore Institute of Technology, Vellore
7	Er. S. Selva Kumar Business Head	Power Projects, Chennai
8	Er. J. S. Kirubaaharan Executive Engineer	Nippon Audiotronix, Noida
9	Er. R. Samuel HR Admin	Kondaas Automation, Coimbatore

Faculty Participation in Conference

S.No.	Faculty Name	Type of the Event	Event Name	Venue	Duration of the Event
1	Dr.V.S.Chandrika	International Web Conference	An Efficient MPPT Controller for variable Frequency Drives in Water Pumping System	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020
2	Dr.V.S.Chandrika	International Web Conference	Implementation of Logistic Map Approaches in Adaptive Differential Evolutionary Algorithm for IoT Controlled E-Vehicle Motor	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020

3	Mr.G.Saravanan	International Web Conference	Implementation of Logistic Map Approaches in Adaptive Differential Evolutionary Algorithm for IoT Controlled E-Vehicle Motor	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020
4	Ms.B.Lalitha	International Web Conference	An Efficient MPPT Controller for variable Frequency Drives in Water Pumping System	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020
5	Mr.A.Mohamed Ibrahim	International Web Conference	Implementation of Logistic Map Approaches in Adaptive Differential Evolutionary Algorithm for IoT Controlled E-Vehicle Motor	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020
6	Dr.V.S.Chandrika	International Web Conference	An Efficient MPPT Controller for variable Frequency Drives in Water Pumping System	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020
7	Dr.V.S.Chandrika	International Web Conference	Implementation of Logistic Map Approaches in Adaptive Differential Evolutionary Algorithm for IoT Controlled E-Vehicle Motor	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020
8	Mr.G.Saravanan	International Web Conference	Implementation of Logistic Map Approaches in Adaptive Differential Evolutionary Algorithm for IoT Controlled E-Vehicle Motor	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020
9	Ms.B.Lalitha	International Web Conference	An Efficient MPPT Controller for variable Frequency Drives in Water Pumping System	Bannari Amman Institute of Technology, Sathyamangalam	23/07/2020 - 24/07/2020

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.S.Chandrika	FDP	Let's Play Machine Learning with Tensor Flow 2.x	Kalasalingam Academy of Research and Education, Srivilliputhur	25/06/2020 - 01/07/2020
2	Mr.A.Gowrishankar	FDP	Developing Robotics Application using MATLAB	St.Josephs Institute of Technology, Chennai	01/07/2020 - 03/07/2020
3	Mr.C.Pazhanimuthu	FDP	Embracing the Creative Side of Teaching and Learning Methods	RMK College of Engineering and Technology, Chennai	29/06/2020 - 03/07/2020
4	Mr.C.J.Vignesh	FDP	Developing Robotics Application using MATLAB	St.Josephs Institute of Technology, Chennai	01/07/2020 - 03/07/2020
5	Mr.G.Saravanan	FDP	Recent Trends in Mechatronics and Automation	NBN Sinhgad School of Engineering, Maharashtra	30/06/2020 - 04/07/2020
6	Mr.R.Sampathkumar	FDP	Waste to Bio Energy	Sharada University, Uttar Pradesh	28/06/2020 - 04/07/2020
7	Mr.C.J.Vignesh	FDP	Recent Trends in Mechatronics and Automation	NBN Sinhgad School of Engineering, Maharashtra	30/06/2020 - 04/07/2020
8	Dr.V.S.Chandrika	STTP	Theory, Operation and Experimentation on Sensors, Transducers & Actuators	National Institute of Technical Teachers' Training and Research, Kolkatta	06/07/2020 - 10/07/2020
9	Ms.R.Revathi	STTP	Theory, Operation and Experimentation on Sensors, Transducers & Actuators	National Institute of Technical Teachers' Training and Research, Kolkatta	06/07/2020 - 10/07/2020
10	Dr.I.Baranilingesan	STTP	Theory, Operation and Experimentation on Sensors, Transducers & Actuators	National Institute of Technical Teachers' Training and Research, Kolkata	06/07/2020 - 10/07/2020
11	Mr.C.Dinesh	STTP	Theory, Operation and Experimentation on Sensors, Transducers & Actuators	National Institute of Technical Teachers' Training and Research, Kolkata	06/07/2020 - 10/07/2020
12	Dr.V.S.Chandrika	FDP	Being a Super Teacher	Bannari Amman Institute of Technology, Sathyamangalam	06/07/2020 - 12/07/2020

13	Ms.P.Praveena	FDP	Being a Super Teacher	Bannari Amman Institute of Technology, Sathyamangalam	06/07/2020 - 12/07/2020
14	Mr.C.Dinesh	FDP	Being a Super Teacher	Bannari Amman Institute of Technology, Sathyamangalam	06/07/2020 - 12/07/2020
15	Mr.S.Vivekanandan	STTP	Grid Connected and Islanded Microgrid Design using HOMER Pro	St. Joseph's Institute of Technology, Chennai	13/07/2020 - 15/07/2020
16	Mr.G.Saravanan	STTP	Grid Connected and Islanded Microgrid Design using HOMER Pro	St. Joseph's Institute of Technology, Chennai	13/07/2020 - 15/07/2020
17	Mr.C.Pazhanimuthu	STTP	Grid Connected and Islanded Microgrid Design using HOMER Pro	St. Joseph's Institute of Technology, Chennai	13/07/2020 - 15/07/2020
18	Mr.G.Saravanan	FDP	Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB	Ministry of Electronics and Information Technology, New Delhi	13/07/2020 - 24/07/2020
19	Ms.R.Revathi	STTP	High Performance Intelligent Real Time Embedded System Design and Internet of Things to Accelerate Automation System into Autonomous System	RMK Engineering College, Chennai	20/07/2020 - 25/07/2020
20	Ms.P.Praveena	STTP	High Performance Intelligent Real Time Embedded System Design and Internet of Things to Accelerate Automation System into Autonomous System	RMK Engineering College, Chennai	20/07/2020 - 25/07/2020
21	Mr.S.Vivekanandan	FDP	Soft Computing Techniques	National Institute of Technology, Srinagar	25/07/2020 - 30/07/2020
22	Mr.C.Dinesh	FDP	Soft Computing Techniques	National Institute of Technology, Srinagar	25/07/2020 - 30/07/2020
23	Dr.J.Karpagam	FDP	Applications of Mathematics in Engineering	KPR Institute of Engineering and Technology, Coimbatore	27/07/2020 - 31/07/2020
24	Mr.G.Saravanan	FDP	Artificial Intelligence and Data Analytics for Automation	Karunya Institute of Technology and Sciences, Coimbatore	27/07/2020 - 31/07/2020

25	Mr.R.Sampathkumar	FDP	Applications of Mathematics in Engineering	KPR Institute of Engineering and Technology, Coimbatore	27/07/2020 - 31/07/2020
26	Ms.V.J.Vijayalakshmi	FDP	Applications of Mathematics in Engineering	KPR Institute of Engineering and Technology, Coimbatore	27/07/2020 - 31/07/2020
27	Mr.A.Mohamed Ibrahim	FDP	Artificial Intelligence and Data Analytics for Automation	Karunya Institute of Technology and Sciences, Coimbatore	27/07/2020 - 31/07/2020
28	Mr.P.Ravikumar	FDP	Greening the Grid: Cutting Edge Technologies and Best Practices in Electrical Domain	Karunya Institute of Technology and Science, Coimbatore	27/07/2020 - 31/07/2020
29	Mr.P.Ravikumar	FDP	Applications of Mathematics in Engineering	KPR Institute of Engineering and Technology, Coimbatore	27/07/2020 - 31/07/2020

Students Participation in Online Courses/ Workshop/Seminar/Quiz/Paper Presentation

S.No	Student Name	Year	Event Name	Venue/Conducted by	Duration of the Event
1	SakthiSree P.	II	Quiz	Surya School of Engineering And Technology, Erode	01/07/2020
2	MohanaPrasath D.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
3	Niresh R.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
4	Rangaraji M.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
5	Ranjith Shankar M.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
6	SakthiSree P.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
7	Sanjey R.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
8	Shanmugavel A.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
9	Suthamathi R.	II	Workshop	Skill Safari, Coimbatore	01/07/2020

10	Yogapriya S.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
11	Sushmitha S P.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
12	Thangavelu R.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
13	Venkatachalam K.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
14	Aarthi K.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
15	Ashok S.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
16	Balaji P A.	III	workshop	Skill Safari, Coimbatore	01/07/2020
17	Bharathwaj N.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
18	Boobalan P.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
19	Darsini K.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
20	Dhivya S.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
21	Emily Aangel D.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
22	Gokul D.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
23	Gokul M.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
24	Kiruthic P.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
25	Murugeswari M.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
26	Myvizhi S.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
27	Navaneethan N.	III	Workshop	Skill Safari, Coimbatore	01/07/2020
28	Aakash V.	II	Quiz	Kumaraguru College of Technology, Coimbatore	01/07/2020
29	Aravind V.	II	Quiz	St Joseph College of Engineering, Chennai	01/07/2020
30	Deepak J.	II	Quiz	ITS Engineering College, Uttar Pradesh	01/07/2020
31	Dhanushya R.	II	Quiz	Surya School of Engineering and Technology, Erode	01/07/2020
32	Aakash V.	II	Workshop	Skill Safari, Coimbatore	01/07/2020

33	Abith R.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
34	Aravind V.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
35	Balamurugan A.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
36	Deepak J.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
37	Dhanushya R.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
38	Dineshkumar S.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
39	Ezhilarasan S.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
40	Gokulnathan B.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
41	GowriSankar S.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
42	Hari Prakash V.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
43	Hari Venkatesh E. L.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
44	Hemaprabhu R.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
45	Jagadeep J.P.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
46	JeevaPradeesh P.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
47	Jeevankumar S.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
48	Jithendriyan S.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
49	Kaushik Kumar K.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
50	Krishna R.	II	Workshop	Skill Safari, Coimbatore	01/07/2020
51	Shapthika Edward	III	Webinar	Francis Xavier Engineering College, Tirunelveli	02/07/2020
52	Sindhuja V.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	02/07/2020
53	Vinothini G.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	02/07/2020
54	Rahul Adarsh F.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	02/07/2020

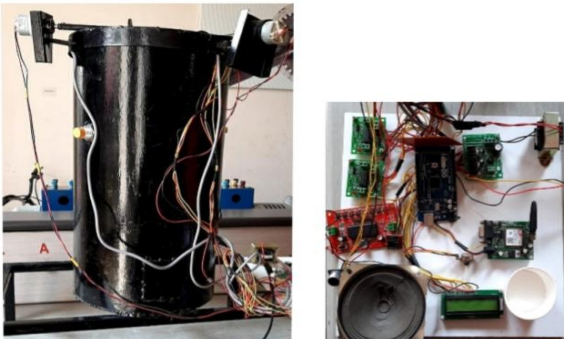| 55	Venkatachalam K.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	02/07/2020
56	Shapthika Edward	III	Quiz	Mandsaur University, Madhya Pradesh	05/07/2020
57	Shanmugavel A.	II	Quiz	The Oxford College of Engineering, Bangalore	07/07/2020
58	EzhilArasan S.	II	Quiz	The Oxford Engineering College, Bangalore	07/07/2020
59	Gangadharan R.	II	Quiz	The Oxford Engineering College, Bangalore	07/07/2020
60	Shanmugavel A.	II	Quiz	The Oxford College of Engineering, Bangalore	08/07/2020
61	EzhilArasan S.	II	Quiz	The Oxford Engineering College, Bangalore	08/07/2020
62	Shapthika Edward	III	Webinar	Francis Xavier Engineering College, Tirunelveli	10/07/2020
63	Sushmitha S.P.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	10/07/2020
64	Venkateswaran R.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	10/07/2020
65	Vinothini G.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	10/07/2020
66	Rahul Adarsh F.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	10/07/2020
67	Venkatachalam K.	III	Webinar	Francis Xavier Engineering College, Tirunelveli	10/07/2020
68	Shapthika Edward	III	Quiz	K.Ramakrishnan College of Engineering, Trichy	11/07/2020
69	Aarthi K.	III	Quiz	K.Ramakrishnan College of Engineering, Trichy	11/07/2020
70	Srinath R.	III	Workshop	Bijus Vicky	11/07/2020
71	Sharanya K.K.	III	Webinar	Bharathiyar Institute of Engineering for Women, Salem	13/07/2020
72	Shanmugavel A.	II	Quiz	Sumathi Reddy Institute of Technology For Women, Telangana	14/07/2020
73	Kavin K.B.	III	Quiz	Government College of Engineering, Salem	14/07/2020
74	EzhilArasan S.	II	Quiz	Sumathi Reddy Institute of Technology for Women, Telangana	14/07/2020

75	Krishna R.	II	Quiz	Sumathi Reddy Institute of Technology for Women, Telangana	14/07/2020
76	Niresh R.	II	Quiz	Sumathi Reddy Institute of Technology For Women, Telangana	15/07/2020
77	Thangavelu R.	III	Webinar	Hindusthan College of Engineering and Technology, Coimbatore	17/07/2020
78	Venkatachalam K.	III	Webinar	Hindusthan College of Engineering and Technology, Coimbatore	17/07/2020
79	Ashok S.	III	Webinar	Hindusthan College of Engineering and Technology, Coimbatore	17/07/2020
80	Boobalan P.	III	Webinar	Hindusthan College of Engineering and Technology, Coimbatore	17/07/2020
81	Jeeva Pradeesh P.	II	Quiz	UKA TARSADIA University, Gujarat	20/07/2020
82	Jeevankumar S.	II	Quiz	UKA TARSADIA University, Gujarat	20/07/2020
83	Srinath R.	III	Quiz	My NEP	22/07/2020
84	Yaswin Krishna N.	III	Quiz	MyNEP	22/07/2020
85	Karthikeyan C.	III	Webinar	Hindustan College of Engineering and Technology, Coimbatore	22/07/2020
86	Kathiresan C.	II	Webinar	Hindustan College of Engineering and Technology, Coimbatore	22/07/2020
87	Shanmugavel A.	II	Quiz	Dharti Bachao Non-Governmental Organization, Telangana	23/07/2020
88	Satheesh D.	II	Webinar	Jansons Institute of Technology, Coimbatore	23/07/2020
89	Aakash V.	II	Quiz	Dhatri Bacho Non-Governmental Organisation, Telangana	23/07/2020
90	Aravind V.	II	Quiz	Dhatri Bacho Non-Governmental Organisation, Telangana	23/07/2020
91	Ezhil Arasan S.	II	Quiz	DhatriBacho Non-Governmental Organisation, Telangana	23/07/2020
92	Niresh R.	II	Quiz	Dharti Bachao Non-Governmental Organization, Telangana	24/07/2020
93	Rangaraji M.	II	Quiz	Dharti Bachao Non-Governmental Organization, Telangana	24/07/2020
94	Satheesh D.	II	Webinar	Jansons Institute of Technology, Coimbatore	24/07/2020

95	Gowri Sankar S.	II	Webinar	Kumaraguru College of Technology, Coimbatore	25/07/2020
96	Manoj K.	II	Quiz	Kumaraguru College of Technology , Coimbatore	27/07/2020
97	Mohana Prasath D.	II	Quiz	Kumaraguru College of Technology , Coimbatore	27/07/2020
98	Abisheak K.	III	Webinar	Vellalar College of Engineering And Technology, Erode	27/07/2020
99	Gokul D.	III	Workshop	Vellalar College of Engineering And Technology, Erode	27/07/2020
100	Sharanya K.K.	III	Workshop	Vellalar College of Engineering And Technology, Erode	27/07/2020
101	Aakash V.	II	Quiz	Adiparasakthi College Engineering, Chennai	09/07/2020
102	Ezhil Arasan S.	II	Quiz	Prakasam Engineering College, Andhra Pradesh	10/07/2020
103	Balaji P.A.	III	Industrial Training	Pantech Solutions, Coimbatore	27/07/2020-31/07/2020
104	Bharathwaj N.	III	Industrial Training	Pantech Solutions, Coimbatore	27/07/2020-31/07/2020
105	Dhanush Priyan S.	III	Industrial Training	Pantech Solutions, Coimbatore	27/07/2020-31/07/2020
106	Emily Aangel D.	III	Industrial Training	Pantech Solutions, Coimbatore	27/07/2020-31/07/2020

Placement Details

S.No.	Student Name	Organization
1	DHANUSH U.	Tata Consultancy Services Limited - Mumbai
2	DHANUSH U.	Skava Private Limited - Coimbatore
3	BAVITHRA P.	Tata Consultancy Services Limited - Mumbai
4	BAVITHRA P.	HCL Technologies Limited - Chennai
5	MEHAREETHAA K.V.	Tata Consultancy Services Limited - Mumbai
6	MEHAREETHAA K.V.	HCL Technologies Limited - Chennai
7	SUJITHA R.	Tata Consultancy Services Limited - Mumbai
8	SUJITHA R.	HCL Technologies Limited - Chennai
9	PRIYA G.	Tata Consultancy Services Limited - Mumbai
10	PRIYA G.	Skava Private Limited - Coimbatore
11	DEVAPRAKASH L.	Embed UR Systems Limited - Chennai

Product Development

Product Title	SMART GARBAGE SYSTEM
Name of the Supervisor	Dr. R. Uthirasamy, Associate Professor/EEE
Name of the Batch Members	Ms. A. Haripriyadharshini, IV EEE A Ms. S. Bhavana, IV EEE A Ms. R. Aishwaryaa, III EEE A Ms. S. Dhivya, III EEE A
Product Description	The proposed garbage segregation and monitoring systems mainly consists of sensors, Arduino Uno controller, GSM, Wi-Fi module and shutter based garbage bins. Ultrasonic sensors are used to detect the level of the garbage in the garbage bins. The output of level detector is given to Arduino controller. In addition to ultra sonic sensors, proximity sensors and humidity are attached in the shutters valves of the garbage bins to segregate the disposals of plastics, metal and organic wastes. Garbage bins are designed with shutter based systems and are operated using servo motors. Respective sensors will detect the nature of the waste and provides logical information to the Arduino controller. The level of garbage in the dustbins is detected with the help of ultrasonic sensors system and communicated to the respective authority to recycle or dispose the waste.
Photograph of the Product	

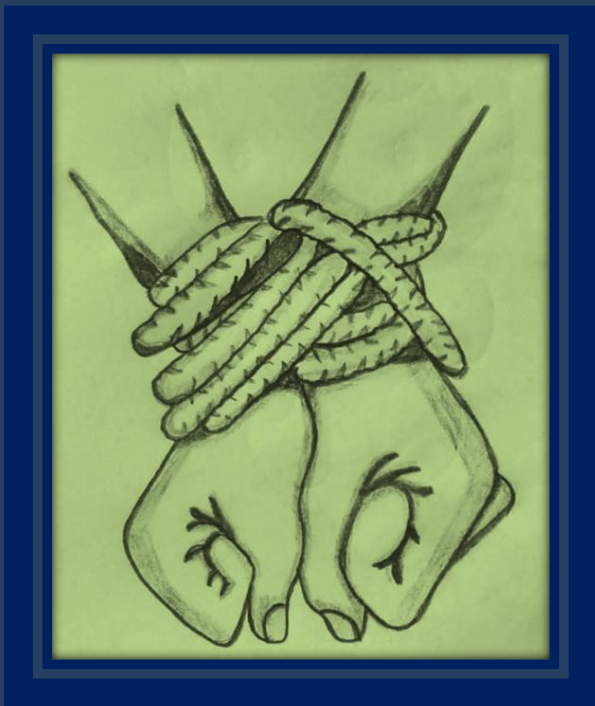| Product Title	MONITORING OF RENEWABLE ENERGY SYSTEM
Name of the Supervisor	Dr. A. Karthik, Associate Professor/EEE
Name of the Batch Members	Mr. P.Tamilarasan, III EEE B Mr. R.Thangavelu III EEE B Mr. K.Venkatachalam, III EEE B
Product Description	Now a days due to the depletion of fossil fuels, there is a search of alternative fuels in the form of renewable energy, among all the renewable energy, solar PV energy place a vital role in the power production and also it is environmentally friendly. In this work A new data logger using the Arduino open-source electronic platform was developed to solve the current problem of monitoring photovoltaic (PV) systems at low-cost, especially in remote areas or regions in developing countries. The Performance of the Photovoltaic module is enhanced by water cooling method various parameters such as module voltage, current, and the solar radiation and horizontal surface, ambient temperature are measured. The electrical performance is improved by the thermal management system using the intelligent controller. On observation it is found that PV module electrical efficiency is improved by 10% and surface temperature is reduced up to 8° C. A new data logger using the Arduino open-source electronic platform was developed to solve the current problem of monitoring photovoltaic (PV) systems at low-cost, especially in remote areas or regions in developing countries.
Photograph of the Product	

ART GALLERY

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ART GALLERY

G.Vinothini / III-EEE-B

Department of
Electrical and Electronics Engineering

Highlights of the Department

Average Experience
10+ Years

Online Students' Certification
300+

Employable Graduates through OBTL

Student Teacher Ratio
1:15

Research Publications
300+

Special Interest Group AI, ML, DL, IoT

Technical Programs
344+ Since 2013

Online Certifications
100+ NPTEL

Solar Power Plant
16 kWp
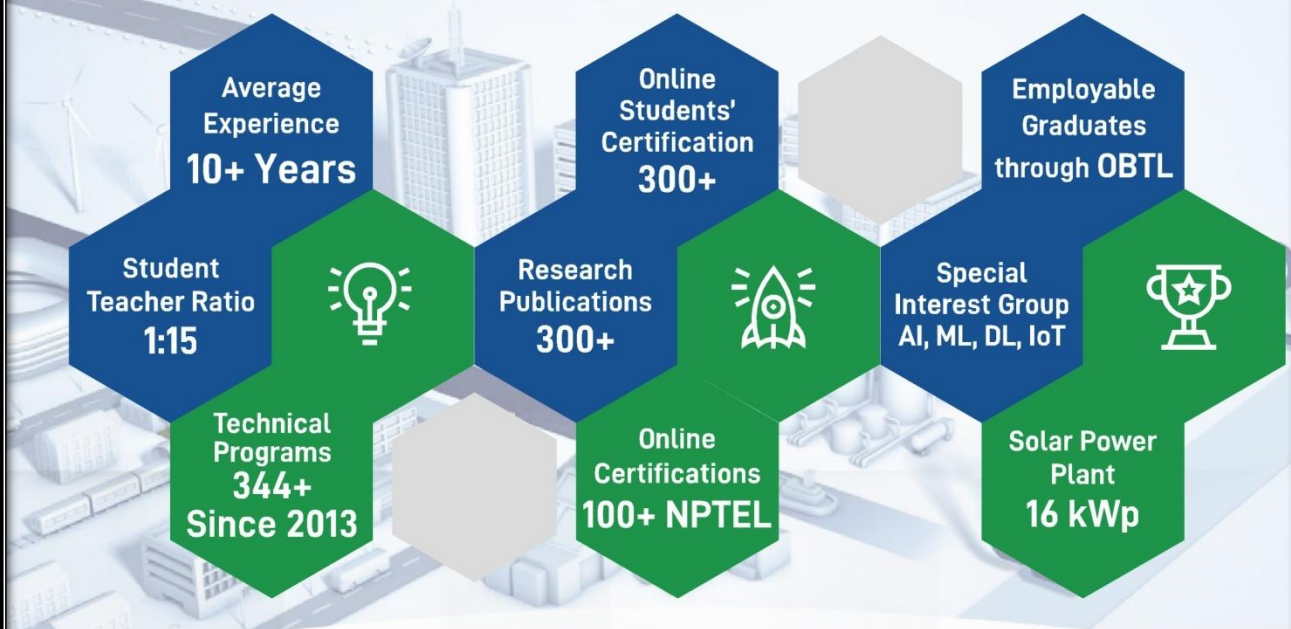
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