



# SETHU INSTITUTE OF TECHNOLOGY

(An AUTONOMOUS INSTITUTION)  
(Affiliated to AICTE, New Delhi and Anna University, Chennai)  
(Accredited by NBA, AICTE, New Delhi for MECH, CSE, ECE, EEE & IT)  
(Approved Research Centre for MECH, EEE, CSE)  
**Pulloor, Kariapatti – 626115**

## Department of Electrical and Electronics Engineering EESOR NEWSLETTER

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### INSTITUTE VISION

- To promote excellence in technical education and scientific research for the benefit of the society

### INSTITUTE MISSION

- To provide quality technical education to fulfill the aspiration of the student and to meet the needs of the Industry
- To provide holistic learning ambience
- To impart skills leading to employability and entrepreneurship
- To establish effective linkage with industries
- To promote Research and Development activities
- To offer services for the development of society through education and technology

### Department Vision:

- To achieve Excellence in Education and Research in the field of Electrical and Electronics Engineering and provide knowledge based contribution for the development of economy and society.

### Department Mission:

- Providing comprehensive and value based engineering education to meet intellectual, Ethical and career challenges.
- Providing state-of-the-art infrastructure and resources to promote teaching-learning and research activities.
- Enriching the skills to enhance employability and entrepreneurship.
- Strengthening the collaboration with academia, industry and research organizations.
- Fostering Research and Development activities leading to innovation and technological growth in the overall ambition of electrical and electronics engineering.
- Offering services to the society through education, science and technology.

Core Values: Ethics | Quality | Innovation | Teamwork | Social Responsibility

### Program Educational Objectives (PEOs)

After few years of graduation our Electrical and Electronics Engineering graduates are expected to

1. Exhibit technical competency in Electrical and Electronics Engineering and related fields (Core Competency)
2. Engage in life-long learning for professional development and research (Life Long Learning)
3. Exhibit effective communication skills, teamwork and lead their profession with ethics (Professional and Ethical Skills)

### Program Outcomes:

1. **Engineering knowledge:** Apply knowledge of mathematics, science, electrical and electronics engineering fundamentals to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex electrical and electronics engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/Development of solutions:** Design and develop electrical and electronic systems that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations
4. **Investigation of complex problems:** Investigate and analyze complex electrical and electronics engineering problems using Research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
5. **Modern tool usage:** Select and Apply modern engineering and IT tools for simulation and modeling of electrical and electronics systems
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings
10. **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.
11. **Project management and Finance:** Demonstrate knowledge and understanding of 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.

12. **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.

### Program Specific Outcomes

**PSO1 :** Demonstrate technical competency in the design and analysis of electrical machines.

**PSO 2:** Design and analyze power electronic interfaces for renewable energy systems

## **Guest Lecture on “Outcome based Education”**



**Dignitaries on the Dias**

Department of Electrical and Electronics Engineering in association with IQAC organized a Guest Lecture on the topic “Outcome Based Education” on 22.01.2019 for the faculty members from various departments. Our Head of the Department Dr.A.Srinivasan delivered the welcome address. Dr.A.Senthil Kumar, Principal, Sethu Institute of Technology delivered the felicitation address. The Program was co-ordinated by Dr.K.Kanimozhi Associate Professor/EEE and Dr.G.Narmadha Associate Professor/EEE.

## **Guest Lecture on “GATE Awareness”**



**The Students were enthusiastically listening to the lecture**



Department of Electrical and Electronics Engineering has organized a Guest Lecture on the topic “GATE Awareness” on 30.01.2019 for the Second and Third Year Students. Our Head of the Department Dr.A.Srinivasan delivered the welcome address. Dr.A.Senthil Kumar, Principal, Sethu Institute of Technology delivered the felicitation address. The Program was co-ordinated by Dr.B.Meenakshi Sundaram, Associate Professor/EEE, Mrs.S.Rohini Asst.Prof/EEE and Mr.C.Shiva Asst.Prof/EEE.

## Electrical Appliances Repairing Camp”



Students Repairing Electrical Components in Hospital



Faculty Coordinators along with student members

Department of Electrical and Electronics Engineering with rotary club had organized “Electrical Appliances Repairing Camp” at Rajaji Government Hospital, Madurai on 11.02.2019 - 12.02.2019. The Program was co-ordinated by Mr.V.Kannan, AP(Sr G)/EEE Mr.R.Mohammed Abdullah, AP/EEE. The students have performed repairing of electrical equipments in the Government Hospital.

## Guest Lecture on “Start Ups and Incubation”



Principal honoring the students with memento

Department of Electrical and Electronics Engineering has organized a Guest Lecture on the topic “Start Ups and Incubation” on 19.02.2019 for the Second and Third Year Students. Our Head of the Department Dr.A.Srinivasan delivered the welcome address. Dr.A.Senthil Kumar, Principal, Sethu Institute of Technology delivered the felicitation address. The Program was co-ordinated by Dr.B.Meenakshi Sundaram, Associate Professor/EEE and Mr.C.Shiva Asst.Prof/EEE.

### **One day Seminar on “Embedded Systems”**

One day seminar on “Embedded Systems” was organized by the Department of Electrical and Electronics Engineering on 20.02.2019. The Resource persons Mr.S.Shamuganathan and TMr.D.Abirami, Technical Trainer from KALVI Institute briefly explained about “Embedded Systems” for Third Year Students that brought a great brightness in students' thoughts.

### **Value Added Course on C & C++**



**The resource person teaching C & C++ to the students**

Department of Electrical and Electronics Engineering in association with SSi Education, has organized a three days Value Added Course on “Review on C & C++” from 06.03.19 to 08.03.19 for third year students of EEE. Dr.A.Srinivasan Prof & Head inaugurated and spoke about the importance of programming skills in the placement and in their career. Trainers had taught about programming in C & C++. Around 50 Students participated and benefited through this course. The Program was co-ordinated by Mrs.S.Rohini, Asst.Prof/EEE, Mr.C.Shiva Asst.Prof/EEE, Mrs.V.Vaishnavi, Asst.Prof/EEE & Mrs.R.S.Bharathi, Asst.Prof/EEE

## Training Programme on Research Opportunities in IEEE Xplore



**The Resource person delivering lecture to the students**

The training programme on “Research opportunities in IEEE” was organized by the Central Library-SIT and Department of Electrical and Electronics Engineering jointly organized to all Department Students on 14.03.2019 at simulation Lab, EEE Department. Mr.T.S.Nanda Lal, Training Manager, IEEE & EBSCO delivered the Chief Guest Address. The Session was very fruitful for the students. The program was coordinated by Dr.K.Kanimozhi, Associate Professor/EEE and Mr.P.Ilangumaran, Senior Librarian, Central Library, SIT

## IE(I) Workshop on “Hands on Training on Electrical Wiring”



**Academic Coordinator, Advisors, IE(I) Coordinator along with Chief Guest**

Department of Electrical and Electronics Engineering has organized a Workshop on the topic “Hands on Training on Electrical Wiring” from 12.3.19 to 15.3.19. The Resource Person Mr.P.Kumar Subramanian, Senior Engineer, TVS Sundaram Brake Linnings, Mustakurichi explained about the



concepts of Electrical Wiring both theoretically and practically for students of second year and third year. The Program was Coordinated by Mrs.R.C.Divya@Ramchella Asst.Prof(Sr.Gr)/EEE.

### **Lightning Castle Magazine Release**



**Dignitaries with magazine**

The Department of Electrical and Electronics Engineering has released the magazine “Lightning Castle” on 21.03.2019. Our Head of the Department Dr.A.Srinivasan delivered the welcome address. Dr.A.Senthil Kumar, Principal, Sethu Institute of Technology delivered the felicitation address. The resource persons were Er.P.Mutharasu Executive Engineer, Er.M.Padmanaban, Assistant Executive Engineer, TANGEDCO, TNEB, Aruppukottai. The Program was co-ordinated by Dr.B.Meenakshi Sundaram, Associate Professor/EEE and Mr.C.Shiva Asst.Prof/EEE

### **Awareness Program on “Electrical Safety”**



**Dr.R.M.Sasiraja Convener delivered the welcome address**

Department of Electrical and Electronics Engineering has organized an Awareness Program on “Electrical Safety” on 05.09.2019. The Resource Person Er.V.Bala Subramani Asst.Engineer, TNEB, Kariapatti (North) & Er.S.Maniarasi Asst.Engineer. TNEB, Kariapatti (South), explained about the concepts of Electrical safety both theoretically and practically for students of second year. The Program was Coordinated by Dr.R.M.Sasiraja Asso Prof Mr.R.Mohammed Abdullah.

## Electrical Appliances Repair Camp & Awareness Program on Electrical Safety



**Principal delivering lecture**



**Students were working**

Department of Electrical and Electronics Engineering has organized “Electrical Appliances Repair Camp & Awareness Program on Electrical Safety” on 07.09.2019. The Resource Person Er.V.Bala Subramani Asst.Engineer, Kariapatti TNEB, Kariapatti(North) explained about the concept of electrical appliances repair and electrical safety theoretically and practically for students of third Year EEE & Samathuvapuram Village People. The Program was Coordinated by Dr.R.M.Sasiraja Asso Prof and Mr.R.Mohammed Abdullah.

## EESOR Association Inauguration and Guest Lecture on “Motors in Electrical Vehicles”



**HoD Honoring the Chief Guest with memento**

Department of Electrical and Electronics Engineering has organized an inaugural function of EESOR Association and Guest Lecture on “Motors in Electrical Vehicles” on 13.09.2019. Our Head of the Department Dr.A.Srinivasan delivered the welcome address. Dr.A.Senthil Kumar, Principal, Sethu Institute of Technology delivered the felicitation address. The Resource Person Mr.C.C.Navin, Managing Director, Megh Neel Renewable Power System, Coimbatore delivered the lecture for students of second year and final year. The Program was co-ordinated by Dr.B.Meenakshi Sundaram, Associate Professor/EEE and Mr.C.Shiva Asst.Prof/EEE.



## Seminar on “Hybrid Electric Vehicles and their Technical Challenges”



### HoD delivering the welcome address

Department of Electrical and Electronics Engineering has organized a Seminar on “Hybrid Electric Vehicles and their Technical Challenges” on 18.09.2019. Our Head of the Department Dr.A.Srinivasan delivered the welcome address. Dr.A.Senthil Kumar, Principal, Sethu Institute of Technology delivered the felicitation address. The Resource Person Mr.K.Venkateswaran, Sr.Cluster Engineer, Principle ACS, Sivagangai explained about the concepts of Hybrid Electric Vehicles and their Technical Challenges to the students. The Program was Coordinated by Mrs.S.Rohini Asst Prof(Sr.Gr)/EEE, Mr.B.Karthikeyan Asst Prof(Sr.Gr)/EEE.

## Workshop on “PCB Designing and Domestic Wiring”



### The resource person delivering lecture to the students

One day Workshop on “PCB Designing and Domestic Wiring” was organized by Department of Electrical and Electronics Engineering, on 01.10.2019. Dr. A. Srinivasan HoD / EEE welcomed the gathering and introduced the resource person Mr.A.Aravind, Embedded Developer, and Mr.R.Rajkumar, Embedded Developer, Galvin Technologies. They Conducted Practical session on PCB Designing and Domestic Wiring for students. The workshop was Coordinated by Mr.J.Kumaresan Asst Prof(Sr.Gr)/EEE and Ms. P. Meenalochini Asst Prof(Sr.Gr)/EEE.

## IEEE Guest Lecture on “Recent Innovation Techniques using IoT”



**Students listening the chief guest address**

Department of Electrical and Electronics Engineering has organized a Guest Lecture on the topic “Recent Innovation Techniques using IoT” on 19.02.2019. The Resource Person Mr.K.Subramanian, Ex-Director and Professor at Advanced Center for Informatics and Innovative Learning, Immediate Past Chair, IEEE Delhi Section explained about the concepts “Recent Innovation Techniques using IoT” for students of third year. The Program was Coordinated by Dr.M.Abdul Kareem Asso Prof/EEE, Mrs.K.Elavarasi Asst. Prof/EEE, Mr.T.Murugan Asst.Prof/EEE.

## Value Added Course on “Domestic and Industrial Wiring”



**Academic Coordinator delivering the Chief Guest Introduction**



**Demonstrating the wiring procedure**

Department of Electrical and Electronics Engineering had organized a Workshop on the topic “Domestic and Industrial Wiring” from 14.10.19 to 17.10.19. The Resource Person Mr.P.Kumar Subramanian, Senior Engineer, TVS Sundaram Brake Linnings, Mustakurichi explained about the concepts of Electrical Wiring both theoretically and practically for students of second year. The Program was Coordinated by second year Class Advisors Dr.Marikannan Asso Professor/EEE, Mr.J.Kumaresan Asst Prof(Sr.Gr)/EEE and Ms. P. Meenalochini Asst Prof(Sr.Gr)/EEE and Mr.V.Muthuvel Asst Prof/EEE.

## COCURRICULAR ACTIVITIES OF STUDENTS

### Outside the state:

S.NO	Name of the event	Venue	Student Name	Price/
1.	Smart India Hackathon 2019	IIT Delhi	S.Prithivirajan	75000
2.	Smart India Hackathon 2019	IIT Delhi	M.Dhivyameena	75000
3.	Smart India Hackathon 2019	IIT Delhi	M.MohamedNoohu	75000
4.	Smart India Hackathon 2019	IIT Delhi	Abdullah Sahul Hameed	75000
5.	Smart India Hackathon 2019	IIT Delhi	M.MadhuAnandhi	75000
6.	Smart India Hackathon 2019	IIT Delhi	S.B.Saravana Pandian	75000

### Within the state:

S.N	Name of the Student	Name Of The Event	Title Of The Event	Venue	Price
1.	Ajith T	Symposium	Techyuga-2k19	Ramco Institute of Technology	1000
2.	Francis Rock Iyasa	Symposium	Tech No Tech	Ramco Institute of Technology	1000
3.	Jamuna Rani K	Symposium	Techyuga 2k19	Ramco Institute of Technology	1000
4.	Rakesh Kannan M	Symposium	Event	Ramco Institute of Technology	1000
5.	Muthumani S K	Symposium	Circuitronics	Ramco Institute of Technology	750
6.	Vikraman C	Symposium	Technopilomemory blast	Sethu Institute of Technology	2nd Prize
7.	Athilaksmi S	Symposium	Fun On	Ramco Institute of Technology	1st Prize
8.	Prasanna S	Symposium	Circuit Debugging	Velammal College of Engineering and Technology	3rd Prize
9.	Senthilkumar N	Symposium	Gennext	Velammal College of Engineering and Technology	3rd Prize



10.	Vetrivel G	Symposium	Nictitate'19	Kamaraj College of Engineering and Technology	2nd Prize
11.	Vetrivel G	Symposium	Erupta'19	Sethu Institute of Technology	2nd Prize
12.	Divya P	Symposium	Techutsav 2k19	Thiyagarajar College of Engineering	1000
13.	Harshini Sri P	Paper Presentation	Paper Presentation	Mepco Schlenk Engineering College	1000
14.	Harshini Sri P	Symposium	Gyanmitra 2k19	Mepco Schlenk Engineering College	1000
15.	Mano Priya M	Symposium	Gyan Mitra'19	Mepco Schlenk Engineering College	1000
16.	Mano Priya M	Paper Presentation	Gyan Mitra'19	Mepco Schlenk Engineering College	1000
17.	Rakesh M	Paper Presentation	Energy Conservation	Vickram College of Engineering	1000
18.	Saravanakumar R	Paper Presentation	Energy Saving	Vickram College of Engineering En	750
19.	Sathish A	Symposium	Digifest	Thiagarajar College of Engineering	500
20.	Alagarsamy P	Symposium	Techiefest 19	Shanmuganathan Engineering College,arasampatti	500
21.	Balazi M	Symposium	Techifest	Sethu Institute of Technology	300
22.	Mano Priya M	Symposium	Plug-in 2k18	Dr.sivanthi Aditanar College of Engineering	100
23.	Abdullah Sahul Han	Symposium	Galectos'19- Technical Quiz	SBM College of Engineering and Technology	2nd Prize
24.	Meenakshi Sundara	Symposium	Symposium	Sethu Institute of Technology	1st Prize
25.	Meenakshi Sundara	Symposium	Circuits Quiz Symposium	Sethu Institute of Technology	3rd Prize

26.	Mohamed Javid Naz	Paper Presentation	Galectos'19	SBM College of Engineering	2nd Prize
27.	Mohamed Javid Naz	Workshop	Technical Quiz on Arduino	Sethu Institute of Technology	1st Prize
28.	Ramanathan	Symposium	EESOR Association	Sethu Institute of Technology	2nd Prize
29.	Venkata Subramanian R	Symposium	Technical Quiz	Sethu Institute of Technology	2nd Prize
30.	Prithivirajan S	Paper Presentation	Low Cost Auto Drain System for Dental	SBM College of Engineering	2nd Prize
31.	Venkatesh M	Symposium	Technical Quiz	EESOR Association	2nd Prize
32.	Aarthy S	Symposium	Treasure Hunt	Sree Sowdambika College of Engineering	1st Prize
33.	Aarthy S	Symposium	Enliven 2k18	Sree Sowdambika College of Engineering	2nd Prize
34.	Aarthy S	Paper Presentation	Enliven 2k18	Sree Sowdambika College of Engineering	2nd Prize
35.	Jamuna Rani K	Symposium	Enliven 2k18	Sree Sowdambika College of Engineering	2nd Prize
36.	Mano Priya M	Symposium	Enliven 2k18	Sree Sowdambika College of Engineering	1st Prize
37.	Mano Priya M	Paper Presentation	Efficiency of Enhanced Power System	Sree Sowdambika College of Engineering	2nd Prize
38.	Mano Priya M	Symposium	Vidya Techfest-2k18	Sri Vidya College of Engineering and Technology	1st Prize
39.	Mano Priya M	Paper Presentation	Applications of Smes in Solar Wind Hybrid Power System	Sri Vidya College of Engineering and Technology	3rd Prize
40.	Manoj Kumar V	Symposium	Adzap	Solamalai College of Engineering	1st Prize

## STUDENTS PRESENTED PAPERS IN CONFERENCE

S. No	Student Name	Title of the paper	Name of the Conference / Venue	Volume & Issue No
<b>2018 - 2019</b>				
1.	Rajapandian A	PSO and GA Based Loss Minimization Algorithm In Induction Motor Drive	International Conference on “Artificial Smart Grid and Smart City applications” (AISGSC-2019) - PSG College of Technology, Coimbatore.	Proceedings of AISGSC-2019 Paper ID:245 Page No:24
2.	Sundari G Rajeswaran K Mathan Kumar S	GA Based Single Source Cascaded Multilevel Inverter With Multi Winding Transformer	International Conference on “Artificial Smart Grid and Smart City applications” (AISGSC-2019)-PSG College of Technology, Coimbatore.	Proceedings of AISGSC-2019 Paper ID:296 Page No:29
<b>2017 - 2018</b>				
1.	JessimaYasmin M Dhivya M Ajitha M	Design and Development of Arduino Based Accident Control System	National Conference on Renewable Energy Systems, Embedded Systems & Robotics (NCREER 2018) -Kamaraj College of Engineering and Technology, Virudhunagar.	Proceedings of NCREER-2018 Page No:18
2.	Mohammed Fahim A	Design and Development of Arduino Based Solar Panel Protection Without Lightning Arrestor	National Conference on Renewable Energy Systems, Embedded Systems & Robotics (NCREER 2018) -Kamaraj College of Engineering and Technology, Virudhunagar.	Proceedings of NCREER-2018 Page No:19

## List of quality publications in refereed/SCI Journals by faculty

- **Dr.A.Srinivasan**, A. Shruthi, R.Pandian, “Performance Measures of an Efficient Compensator Design for a Buck Converter”, International Journal of Chem Tech Research, vol.11, no. 4, pp.77-80, 2018. [DOI: 10.20902/IJCTR.2018.110408](https://doi.org/10.20902/IJCTR.2018.110408).
- **B.Meenakshi Sundaram**, B.V.Manikandan, B. Praveen Kumar, D. Prince Winston, “Combination of Novel Converter topology and Improved MPPT Algorithm for Maximum power from Grid connected solar PV systems”, Journal of Electrical Engineering &Technology, vol. 14, no. 2, pp.733-746, 2019. <https://doi.org/10.1007/S42835-018-00075-9>
- M.Manimaran, S.Nagalakshmi, V.S.Chitra, “Parameter Estimation and Predictive Control Design for a Nonlinear Reactive Distillation Column”, International Journal of Recent Technology and Engineering, vol.8, no.4, 22-27, 2019. [DOI:10.35940/ijrte.D9964.118419](https://doi.org/10.35940/ijrte.D9964.118419)



- N. Karthick, S.Vijayarajan “Hardware Implementation of Gamma Z-Source Inverter for Photovoltaic Cell Applications”, Journal of Computational and Theoretical Nano science vol.16, no.5, pp.1–5, 2019. DOI:10.1166/jctn.2019.7930
- **M.Palpandian**, M.Santhi, “Investigation of Indoor Performance of Dust Accumulation on Solar Photovoltaic Module”, International Journal of Electrical Engineering & Technology, vol.19, no.1, pp.223-231, 2019. <http://jee.ro/articles/WW1523890932W5ad4baf4a4cf3.pdf>
- **J.Rahila**, Santhi.M, “A novel design of Multilevel inverter with reduced switch topology for the integration of renewable energy sources”, Journal of Electrical Engineering, vol.19, no.3, pp.494–501, 2019
- G.R.Rajesh Kanna, K.Muthulakshmi, **R.M.Sasiraja**, T.Eswaran, D.Prince Winston, B.praveen Kumar, “A Novel Hybrid DC-DC Converter with High Voltage Gain for Electric Vehicle Charging Systems”, Journal of Electrical Engineering, vol.19, no.3, pp.153-158, 2019.
- **R.M.Sasiraja**, K.Muthulakshmi, T.Eswaran, “The New Approach for Optimal Siting and Sizing of Multiple Distributed Generators using NSGA II”, Journal of Electrical Engineering, vol. 19, no.3, pp.469-477, 2019.
- **G.Soundradevi**, M.Shanthi, “Single DC Source Multilevel Inverter Based on Switched Capacitor with Minimum Number of Switches for Medium Power Applications”, International Journal of Electrical Engineering, vol. 19, no.3, 2019.
- **S.Vijayarajan, M.Palpadian**, “Improving the performance of MPSOC Based Reconfiguration of Smart Architecture with Fault tolerance”, Journal of Advanced Research in Dynamical and Control System”, vol. 11, no.3, pp. 1106-1113, 2019.
- **V.Kannan**, M.Santhi, D.Sureshkumar, “Designing of Prototype Slot less Permanent Magnet BLDC Motor with Halbach Array using Ansys Software and its Investigation”, Journal of Electrical Engineering, vol.19, no.4, pp.319- 328, 2019.
- TG.Arul, P.Varatharaju, **M. Abdul Kareem**, TB.Getachew, “Exhaust Emission Level Reduction Process in Si Engine by Isopropyl Alcohol as Gasoline Additive”, International Journal of Recent Technology and Engineering, vol.8, no.5, 5605-5614, 2020.
- R.Mohammed Abdullah, S.Syed Abdul Haq, P.Meenalochini, “ Design of 3-Level Inverter Using FIXCOM”, Asian Journal of Applied Science and Technology, vol.4, no.1, 55-60, 2020. <http://ajast.net/data/uploads/22125.pdf>
- Elavarasi K, Rajasekar P, “Brain Tumor Imaging system and Segmentation Techniques- A Review”, Journals of Digital Integrated Circuits in Electrical Devices, vol.4, no.3, 22-27, 2019. <http://matjournals.in/index.php/JoDISED/article/view/4571>
- **J.Jeyashanthi**, M.Santhi, “Improved efficiency of direct torque controlled induction motor drive by golden section method”, Revistafaculted de ingeneria, vol.91, pp.31-42, 2019
- **G. Narmadha**, S. Deivasigamani, S.Sivaguru, “Wireless Biometric Data Protection in Pen drive", Caribbean Journal of Science, vol.53, no. 2, pp.1089 – 1093, 2019. <http://www.caribjsci.com/gallery/is2.84.pdf>
- D. Logendran, A. Abraham Eben Andrews, **S.Gopinath**, “Assessing Mechanical Properties of NFRPC Material”, International Journal of Innovative Technology and Exploring Engineering, vol.8, no.10, pp.4375-4379, 2019.

## FDPs/ Seminars and Workshops attended by faculty

S.NO	Faculty Name	Organisation where the Course is undertaken	Duration		Topic
			From	To	
1	Mrs.K.Elavarasi	Dr.N.G.P Institute of Technology	19.09.2019	20.09.2019	Workshop-Smart grid and power quality enhancement in renewable energy technologies
2	Mrs.K.Elavarasi	NIT Trichy	25.09.2019	26.09.2019	National Conference on NDE for Research Scholar and Students
3	Mr.S.Syed Abdul Haq	Thiyagarajar college of Engineering.	16.09.19	18.09.2019	FDP-Programme Monitoring office –Innovation & Entrepreneurship Development Programme.
4	Mr.S.Syed Abdul Haq	Karpagam college of Engineering	19.09.2019	20.09.2019	Workshop- A practical Approach to modern Measurement and Control Techniques using lab view
5	Mr.T.Harish babu	Karpagam college of Engineering	19.09.2019	20.09.2019	Workshop-A practical Approach to modern Measurement and Control Techniques using lab view
6	Mrs.C.Sonia	Velammal college of Engineering and Technology	11.11.2019	24.11.2019	FDP-Deep Learning and Internet of Things
7	Mrs.V.S.Chitra	Velammal college of Engineering and Technology	11.11.2019	24.11.2019	FDP-Deep Learning and Internet of Things
8	Mrs.V.Vaishnavi	Velammal college of Engineering and Technology	11.11.2019	24.11.2019	FDP-Deep Learning and Internet of Things

9	Mrs. R.S.Bharathi	Velammal college of Engineering and Technology	11.11.2019	24.11.2019	FDP-Deep Learning and Internet of Things
10	C.Shiva	Karpagam College of Engineering Coimbatore	19.09.2019	20.09.2019	Workshop-A Practical Approach to Modern Measurement and Control Techniques using LABVIEW
11	C.Shiva	Velammal College of Engineering	17.10.2019	18.10.2019	Aicte Sponsored International Conference On Innovative Research In Thermal And Manufacturing Engineering-2019 (Irtme' 19) Paner title-All Weather Affordable

### RESEARCH & DEVELOPMENT:

**Knowledge is the ability to adapt to innovations!!!**

- DST-SERI has sanctioned an amount of **Rs.40,29,300** for the project entitled “Recognition and Characterization of Solar Cell Defects using Combined Thermography Image and Reconfiguration Scheme” **Dr. A. Srinivasan Prof/Head(EEE)** acting as Principal investigator & Co- Principal investigator is **Dr. B.Meenakshi Sundaram Prof/Head(PED)**

### PATENTS APPLIED:

- Patent application filed on “Maximum Power Extraction Using Innovative Algorithm For Solar Photovoltaic Systems” is published in The Patent Office, Application No.201841030045 A, Date of filing of Application :10/08/2018, Publication Date : 17/08/2018, pp. 53, 2018- **Dr. A. Srinivasan, Prof/Head(EEE) Dr. B. Meenakshi Sundaram Prof/Head(PED)**
- Patent application filed on “Reduced Leg Voltage Mismatch Method for Temporary or Permanent Faulted PV Systems” is published in The Patent Office Journal No. 21/2018 Dated on 25/05/2018, pp. 19477, 2018 - **Dr.R.M.Sasiraja**
- Patent application filed on “Brushless DC Motor Controlling in Electric Vehicle System using Rapid Model Predictive and Modulation” is published in The Patent Office Journal No. 21/2018 Dated on 25/05/2018, pp. 19478, 2018 - **Dr.R.M.Sasiraja**

### Congratulations!!!

- We the Department of Electrical and Electronics Engineering congratulate **Dr.A.Srinivasan, Professor & Head/EEE**, Principal Investigator and **Dr.B.Meenakshi Sundaram, Professor/EEE**, Co-Principal Investigator for obtaining a grant of **Rs.40,29,300/-** from Department of Science and Technology (DST) - Solar Energy Research Initiative (SERI) for his Project entitled “Recognition and Characterization of Solar Cell Defects using Combined Thermography Image and ReconfigurationScheme
- Congratulation to the HoD/EEE, Mentors and SIT '**ElectroBoom**' **Student Team** members of the Department of Electrical and Electronics Engineering for successfully participated in the Grand Finale of Smart India Hackathon Hardware Edition 2019 and Won First Prize and Cash Award of **Rs.75,000/-** for the Complex Problem Statement “Non Invasive Blood Glucose Monitoring” under Ministry of Ayush held at IIT Delhi





Congratulation team “ElectroBoom”

- Congratulations to the following Faculty members and Students for being selected in the Quarter Finals, IICDC 2019 organized by Texas Instruments and DST.

S.NO	Project Title	Name of the Student	Faculty Mentors
1	Non invasive blood glucose monitoring	M. Mohamed Noohu Abbas, VI yr EEE S.B. Saravanapandiyan, IV yr EEE Abdullah Sahul Hameed, IV yr EEE S. Prithvirajan, IV yr EEE M. Dhivyameena, IV yr EEE M. Madhu Anandhi, IV yr EEE	Dr.Vijayarajan Prof/EEE
2	Effective usage of water for Irrigation	V. Shanmugapriya, IV yr EEE R. Rama priya, IV yr EEE K. Vaishalini, IV yr EEE M. Venkatesh, IV yr EEE U. Ram Sivasudhan, IV yr EEE D. Surendran, IV yr EEE	Dr. Vijayarajan Prof/EEE

- Congratulations to **Mrs. P. Meenalochini**, Asst.Prof (Sr.Gr)/EEE for receiving “**The Confederation of Elite Academician of IICDC**” & “**Distinguished Member of Technical Evaluation Panel**”, All India level Innovative Design Contest 2019, sponsored by DST and Texas Instruments.
- Congratulations to the following Faculty members and Students for Scoring” **Elite Grade**” and ‘**successfully completing**’ the NPTEL Online Certification Exam conducted by IIT Madras during jan - dec 2019.

### Faculty :

S.No	NAME	COURSE	CATEGORY
1	Dr.A.Srinivasan, Prof & Head/EEE	Electric Vehicles - Part 1	Elite
2	Dr. S.Nagalakshmi, Prof & PG Prof, Head/M.E-PED	Electric Vehicles - Part 1	Elite+Silver
3	Dr.B.Meenakshi Sundaram, Prof/EEE	Electric Vehicles – Part 1	Elite
4	Mrs.G.Soundradevi, Assoc.Prof/EEE	Electric Vehicles – Part 1	Successfully Completed
5	Dr.G.Narmadha, AP (S.G)/EEE	Patent draft for beginners	Successfully Completed
6	Mr.B.Karthikeyan, AP (S.G)/EEE	Advance power electronics and Control	Successfully Completed
7	Mr.T.Murugan, AP (Sr.Grade)/EEE	Switching Circuits and Logic Design	Elite

### Students:

S.No	NAME	COURSE	CATEGORY
1	M.Ameer kaja masthan II-A	Digital Electronic Circuits	Successfully Completed
2	I.Dinesh muthu II-A	Digital Electronic Circuits	Successfully Completed
3	R.Harish balaji II-A	Digital Electronic Circuits	Successfully Completed
4	D.Jeya suriya II-A	Digital Electronic Circuits	Successfully Completed
5	M.Mano priya II-A	Digital Electronic Circuits	Successfully Completed
6	P.Harshini sri II-A	Digital Electronic Circuits	Successfully Completed
7	P.Maheshwari II-A	Digital Electronic Circuits	Successfully Completed
8	S.Aarthy II-A	Digital Electronic Circuits	Successfully Completed
9	S.Athilakshmi II-A	Digital Electronic Circuits	Successfully Completed
10	S.Abhiloshini II-A	Digital Electronic Circuits	Successfully Completed

11	S.Akhilesh II-A	Digital Electronic Circuits	Successfully Completed
12	Gajavel surya II-A	Digital Electronic Circuits	Successfully Completed
13	M.Mayandi II-B	Digital Electronic Circuits	Successfully Completed
14	K.Saravana mayandi II-B	Digital Electronic Circuits	Successfully Completed
15	G.V.Thavamani II-B	Digital Electronic Circuits	Successfully Completed
16	S.Rengaraj II-B	Digital Electronic Circuits	Successfully Completed
17	S.Priyanga II-B	Non- Conventional Energy Resource	Successfully Completed
18	J.Keerthana III-A	Better Spoken English	Elite+Silver
19	M.Fazila furzana III-A	Better Spoken English	Elite
20	S.Farzana fathima III-A	Better Spoken English	Elite
21	R.Mahalakshmi III-A	Better Spoken English	Elite+Silver
22	M.Dhivya meena III-A	Better Spoken English	Elite
23	R.Muthupriya III-A	Better Spoken English	Elite
24	M.Madhu anandhi III-A	Better Spoken English	Elite
25	S.Mohamed javid nazeer III-A	Electric Vehicles - Part 1	Successfully Completed
26	P.Hemnath III-A	Electric Vehicles - Part 1	Successfully Completed
27	S.Mohamed javid nazeer III-A	Fuzzy Logic and Neural Networks	Elite
28	S.Prithvirajan III-A	Fuzzy Logic and Neural Networks	Successfully Completed
29	Abdullah sahil hameed III-A	Fuzzy Logic and Neural Networks	Successfully Completed
30	S.K.Ajay baalaji III-A	Fuzzy Logic and Neural Networks	Successfully Completed
31	M.Mohamed noohu abbas III-A	Fuzzy Logic and Neural Networks	Elite+Silver
32	S.Mohamed asiq III-A	Fuzzy Logic and Neural Networks	Elite



33	S.Jagapradeep III-A	Fuzzy Logic and Neural Networks	Successfully Completed
34	E.Nivas III-B	Better Spoken English	Elite
35	R.Rama priya III-B	Better Spoken English	Elite+Silver
36	N.Samuel nelson III-B	Better Spoken English	Successfully Completed
37	V.Shanmugapriya III-B	English language for Competitive e	Elite
38	P.Ratheesh kumar III-B	English language for Competitive exams	Elite
39	P.Parkavi III-B	English language for Competitive exams	Successfully Completed
40	K.Vaishalini IV-B	Soft skills	Successfully Completed
41	C.Sheshanandhan II-B	Ecology and Environment	Successfully Completed
42	S.Shanmugaprabhu II-B	Ecology and Environment	Successfully Completed

## 2015-2019 BATCH EEE PLACED STUDENTS LIST

Electrical and Electronics Engineering Academic Year : 2018-2019			
S. No.	Name of the Student Placed	Enrolment No./Reg.No.	Name of the Company
1.	Balamurugan.R	2015103027	Tata Consultancy Services
2.	Vinay Kumar.J.K	2015103167	Cognizant Technology Solutions
3.	Vignesh.V	2015103165	HCL Technologies Ltd.
4.	GunaChithra.U	2015103041	HCL Training and Staffing Services Pvt.Ltd
5.	ChitraDevi.S	2015103031	HCL Training and Staffing Services
6.	Shyamaladevi.V	2015103131	HCL Training and Staffing Services Pvt.Ltd.
7.	Srija.V	2015103141	HCL Training and Staffing Services Pvt.Ltd.
8.	Lavanya.A	2015103063	HCL Training and Staffing Services Pvt.Ltd.
9.	Nowfalagzam.M	2015103095	Infosys Limited
10.	Priyadharshini.J	2015103107	Infosys Limited

11.	Kaviya. M	2015103061	Jasmin InfotechPvt.Ltd.
12.	ShathikHussain.Z	2015103129	Endeavour Technology Services
13.	Mohamed Anvar.K	2015103068	Caliber Interconnect Solutions Pvt. Ltd.
14.	Pandieshwary.P	2015103098	Aegis Global
15.	Avinash.S	2015103023	GrowsmartSmb Solutions Pvt. Ltd.
16.	Abdul Asik.L	2015103002	Apptivo Software Pvt. Ltd.
17.	RaamPrassath.V	2015103321	Avalon TechnologiesPvt. Ltd...
18.	Indiresan.M	2015103050	Ethnus
19.	Preethika. P	2015103105	Ethnus
20.	NasrinNilofer.M	2015103091	AJ Infotech
21.	Shylesh.K	2015103324	IndusInd Bank
22.	DivyaSri.S	2015103036	Aegis Limited
23.	Ponmozhi. K	2015103100	AJ Infotech
24.	Rathish. N	2015103116	Piccosoft Software Labs India Pvt. Ltd.
25.	Laksman.V	2015103062	IDBI Federal Life insurance CO Ltd.
26.	Lavanya.S	2015103064	IDBI Federal Life insurance CO Ltd.
27.	Rajalakshmi. P	2015103110	Tata Communications Transformation Service
28.	Vignesh.R	2015103164	Seoyon Electronics India Private Limited
29.	ThangaManojkumar.P	2015103156	Spynest
30.	Mohan. R	2015103076	Sintex-BAPL Limited
31.	Suriyavignesh. S	2015103153	Youngshin Automotive India Private limited
32.	Anbarasu. R	2015103011	Zealous Services
33.	Arun Vijay. N	2015103020	Sintex-BAPL Limited
34.	Harish Raj. S	2015103046	Sintex-BAPL Limited
35.	Ilaiyaraja. S	2015103049	Sintex-BAPL Limited
36.	Jeyakarthick. A	2015103052	Sintex-BAPL Limited
37.	Kaleeswaran. K	2015103056	Sintex-BAPL Limited
38.	Mohamed Imran. I	2015103315	Sintex-BAPL Limited

39.	Mohamed Fayaz. Z	2015103069	Invincible Info Technologies
40.	Mohamed Raja. S	2015103072	Zealous Services
41.	Moovendhiran. S	2015103079	Sintex-BAPL Limited
42.	Muthukkaruppan. M	2015103085	Sintex-BAPL Limited
43.	Nantha Kumar. P	2015103090	Sintex-BAPL Limited
44.	NirmalBabu. R.K	2015103093	Sintex-BAPL Limited
45.	Palanivelrajan. V	2015103097	Sintex-BAPL Limited
46.	Praveen Kumar. R	2015103104	Zealous Services
47.	Ram Kumar. A.G	2015103112	Piccosoft Software Labs India Pvt. Ltd.
48.	Ajith Kumar. V	2015103302	Invincible Info Technologies
49.	SikkandharWahith.S	2015103132	Sintex-BAPL Limited
50.	Solaimani.V	2015103137	YoungshinAutomative India Pvt.Ltd.
51.	SonaiMuthuPandi.P	2015103138	Zealous Services
52.	Sukumar.A	2015103147	Sintex-BAPL Limited
53.	Vishnu.S	2015103171	Sintex-BAPL Limited
54.	Yogesh.S	2015103173	Sintex-BAPL Limited
55.	Ganesan.G	2015103305	Sintex-BAPL Limited
56.	Sukumar.S	2015103149	Sintex-BAPL Limited
57.	Muthuramalingam. S	2015103087	Sintex-BAPL Limited
58.	Mohamed Ismail.A.G	2015103071	Invincible Info Technologies
59.	Mohamed Salmaan.S	2015103074	Endeavour Technology Services
60.	Amirthajothiga. M	2015103009	Zealous Services
61.	Archana.J	2015103016	Zealous Services
62.	Balaji. J	2015103025	Zealous Services
63.	Bhuvaneswari. G	2015103028	Zealous Services
64.	Chella Subramanian. M	2015103029	Zealous Services
65.	Hari. C. K	2015103043	Zealous Services
66.	Anand. S	2015103303	Zealous Services

67.	Nova Daniel. A	2015103318	Zealous Services
68.	Mano Ranjitha. C	2015103066	Zealous Services
69.	Mohammed Yasin Rahuman	2015103075	Neeeyamo Enterprise Solutions Pvt. Ltd.
70.	Monisha.K	2015103078	Zealous Services
71.	Muneeswari.S	2015103081	Zealous Services
72.	NazeerAhamed.N	2015103092	Zealous Services
73.	Packiyalakshmi. N	2015103096	Zealous Services
74.	Prema.L	2015103106	Zealous Services
75.	Ragu Raj. P	2015103108	Zealous Services
76.	Rajapandian. A	2015103111	Zealous Services
77.	Ramalingam. M	2015103115	Zealous Services
78.	Senthilkumar. M	2015103123	Zealous Services
79.	SundaraPandian.P	2015103150	Premier EvolvicsPvt. Ltd.
80.	Shanmugavel. k	2015103127	LecsPvt. Ltd.
81.	Vani.S	2015103160	HCL Training and Staffing Services
82.	Veeramanikandan.V	2015103162	Zealous Services
83.	Saravanakumar.M	2015103119	Nine Star Information Technology Pvt.
84.	SrinivasaPrabhu.R	2015103142	Appasamy Associates
85.	Vasanthakumar.G	2015103161	Appasamy Associates
86.	Harwin Leo Basstin J	2015103047	Appasamy Associates
87.	AnandBabu.M	2015103010	Endeavour Technology Services
88.	Mohamed Fazil. A. Z	2015103070	Endeavour Technology Services
89.	Muthukutti. M	2015103086	Endeavour Technology Services
90.	Karthik Raja. H	2015103060	Endeavour Technology Services
91.	MonishKannan.K	2015103077	Endeavour Technology Services
92.	Senthil.M	2015103124	Sp Tech
93.	Sridevi. P	2015103140	AllSec Technologies Ltd.
94.	Suryanarayanan .B	2015103154	PCS India Pvt. Ltd.



95.	ShobanBabu.S	2015103130	Saratha Engineering and Services
96.	Snehaa.S	2015103136	Computer Age Management Services Pvt.
97.	VimalRaj.J	2015103166	Premier EvolvicsPvt. Ltd.
98.	Yuvaraj.R	2015103174	Nine Star Information Technology Pvt.
99.	Srinivasan. R.D	2015103143	Nine Star Information Technology Pvt.
100.	Sathishkumar.T	2015103120	Credit Access grameen Ltd.
101.	Sukumar.C	2015103148	LecsPvt. Ltd.
102.	Vinoth.C	2015103168	Seoyon Electronics India Pvt. Ltd.
103.	Vignesh. A	2015103328	Orange Elevator Pvt. Ltd.
104.	UdithNathan.S	2015103158	ASARAA Software Solutions OPC Pvt.
105.	ArokiyaFedrickDoss.S	2015103017	Grow smart Smb Solutions Pvt. Ltd.
106.	Thatchinamoorthy p	2015103157	Endeavour Technology Services
107.	Arunkumar. S	2015103019	Western Pumps Pvt. Ltd.
108.	Jeyapradeesh. S	2015103053	Trinity Controls and Systems
109.	Logeshwaran. A	2015103065	TVS Rubber
110.	Meenakshi. V	2015103067	Reporting and Data Solutions Pvt. Ltd.
111.	MuthuDivya. S.P	2015103083	HDFC Bank
112.	Nagakeerthi. N	2015103088	ICICI Value Bank
113.	Nagarajan. S	2015103089	Solaritis KPO
114.	Nivetha. K	2015103094	Sri Moogambika Info Solutions Pvt. Ltd.
115.	Prabakaran. D	2015103101	Neeyamo Enterprise Solutions Pvt. Ltd.
116.	Syed Yousuf. J	2015103313	Premier Carbonic Pvt. Ltd.

- We the Department of Electrical and Electronics Engineering congratulate the following faculty for successful completion of their Ph.D

S. No	Name of the Scholar	Supervisor	Area of Research	Year of Registration	Current Status
1.	Ms. G.Soundara Devi	Dr.M.Santhi / Solamalai Engineering College	Power Electronics and Drives	July 2011	Thesis Submitted
2.	Mrs.J.Rahila	Dr.M.Santhi / Solamalai Engineering College	Power Electronics and Drives	July 2012	Thesis Submitted
3.	Mrs.J.Jeyashanthi	Dr.M.Santhi / Solamalai Engineering College	Power Electronics and Drives	Jan 2013	Thesis Submitted
4.	Mr.V.Kannan	Dr.M.Santhi / Solamalai Engineering College	Electrical Machines and Control	July 2012	Thesis Submitted
5.	Mr.M.Palpandian	Dr.M.Santhi / Solamalai Engineering College	Power Electronics	July 2012	Thesis Submitted
6.	Mr.M.Ramuvel	Dr.A.Manimaran / VelTech Engineering College, Chennai	Nano Materials	Jan 2013	Comprehensive viva completed
7.	Mr.Jeyakanth	Dr.P.Venkatakrishnan, KLN CIT	Digital Communication	Jan 2015	Comprehensive viva completed
8.	Ms.P.Meenalochini	Dr.E.Sakthivel, PSR Engineering College	Multilevel Inverters	Jan 2017	Comprehensive viva completed
9.	Ms.C.Sonia	Dr.S.Tamil Selvi, SSN College of Engineering	Power Electronics and Drives	Jan 2017	Course work completed
10.	Ms.K.Elavarasi	Dr.K.Gnanambal KLNCE	Biomedical Signal Processing	June 2017	Comprehensive viva completed
11.	Ms.V.Vaishnavi	Dr.Suvitha Dhanaselvam Vellamal Engineering College	Biomedical Signal Processing	Jan 2017	Course work completed
12.	Mr.V.Muthuvel	Dr.Ananthamoorthy, Hindustan College of Engineering & Technology	Power System	June 2015	Comprehensive viva completed
13.	Mrs.S.Rohini	Dr.A.Srinivasan, Sethu Institute of Technology	Hybrid Energy Systems	Jan 2020	Doing Course Work
14.	Mr.S.Sugumar	Dr.D.Prince Winston Kamaraj College of Engineering & Technology	Renewable Energy	Jan 2020	Doing Course Work

# Photo Gallery





## Photo Gallery



### Advisory Committee

**Dr.A.Srinivasan Prof & Head/EEE**  
**Mrs.P.Meenalochini AP(Sr.Gr/EEE)**

### Editorial Committee

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**Ms. M. Madhu Anandhi IV Year/EEE**  
**Mr. S. Gowtham II Year/EEE**