



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, IT)

Pulloor, Kariapatti – 626115.

Department of Electrical and Electronics Engineering

## EESOR NEWSLETTER

**VOL: 10**

**JAN 2022 - DEC 2022**

### 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 fulfil 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.

### 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 analyse 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 analyse 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 modelling 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

PSO 1: Demonstrate technical competency in the design and analysis of electrical machines.

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

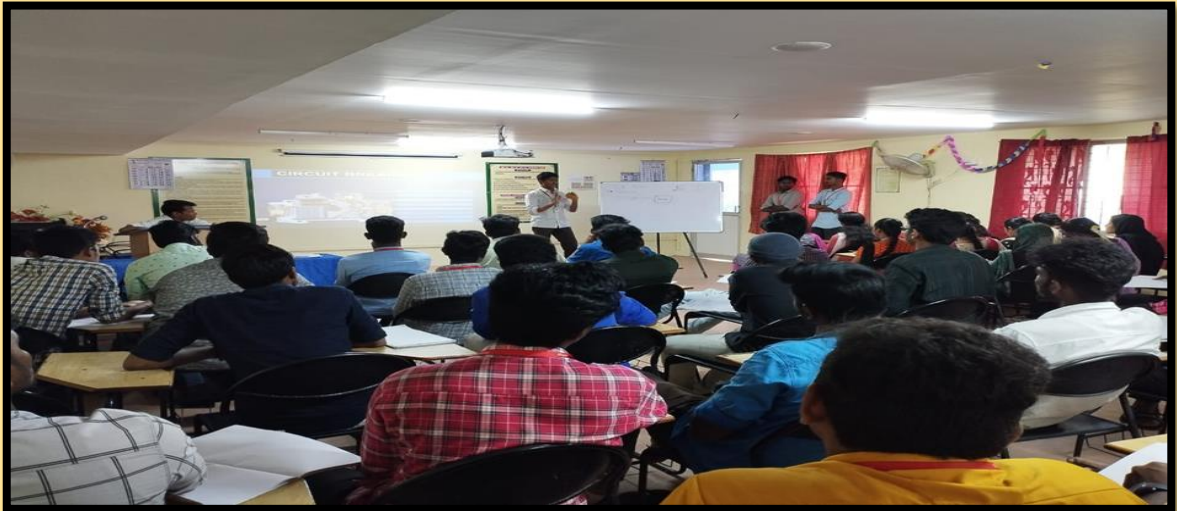
## SKILL DEVELOPMENT PROGRAM – PEER TO PEER LEARNING



Alumni along with faculty coordinators

Department of **Electrical and Electronics Engineering** in association with **EESOR** organized a **Skill development program Peer to Peer learning** on 11.03.2022 for the benefit of EEE III Year students to make them industry ready. Head of the Department Dr.A.Srinivasan delivered the welcome address. Academic Coordinator Dr.S.Vijayarajan delivered the felicitation address. The resource persons were our alumni Mr.M.Jeyakumar, Software Trainee Associate, KANINI Software solutions, Chennai and Mr.T.Mathan Kumar Software Trainee Associate, Aspire Systems, Chennai. The Program was coordinated by Mrs.P.Meenalochini AP(Sr.Gr)/EEE and Mr.S.Sugumar AP(Sr.Gr)/EEE.

## ONE DAY WORKSHOP ON “DOMESTIC WIRING”



The students enthusiastically listening the lecture

Department of Electrical and Electronics Engineering in association with EESOR have organized One Day Workshop on “Domestic Wiring” on 23<sup>th</sup> April, 2022 for the benefit of second year EEE students. Dr.Srinivasan, HoD/EEE, Convened the Program and delivered the welcome address. He explained about the Domestic Wiring. The faculty coordinators for the program were Mr.S.Sugumar,AP/EEE, Mr. T.Harish Babu,AP/EEE.

### VALUE ADDED COURSE ON DESIGN THINKING AND ELECTRICAL DESIGN DEVELOPMENT



Students were involved in practical activities



The Value-added course on the topic of “Design Thinking and Electrical Design Development” was organized by the Department of Electrical and Electronics Engineering for Second year from 25.04.2022 and 26.04.2022. The course was demonstrated by Technical Team, CADD CENTER, Madurai. One of the technical team members is an Alumni of our college. The course was coordinated by Dr.J.Jeyashanthi Asso.prof/EEE and Ms.V.S.Chitra Asst prof/EEE in a successful manner.

## GUEST LECTURE “OPERATION & MAINTENANCE IN TELECOM SERVICES”



HoD delivering the welcome address



HoD honouring the chief guest with memento

Department of EEE has organized a Guest Lecture on “**Operation & Maintenance in Telecom Services**” on 29.04.22 for the Third year students. The lecture was delivered by Mr.C.Maharajan, Junior Telecom officer, BSNL, Tiruchendur. Dr.B.Meenakshi Sundaram, Prof & PG programme head, Sethu Institute of Technology felicitated the gathering. Mr.T.Harish Babu Assistant Prof /EEE delivered the welcome address. The resource person Mr.Maharajan explained in detail about the operation and maintenance in telecom services and also the prevailing job opportunities and scope on Telecom services. The session was very interesting about communication process and really educative about the components used in telecom services, it was very useful to the Third year students, which motivated them to take up the communication based courses which will be surely helpful for them while doing projects in final year and also that knowledge will support them for their career. The faculty co-ordinators were Mrs.V.Vaishnavi AP/EEE, Mr.T.Harish Babu AP/EEE, Mr.S.Sugumar AP(SG)/EEE.

## 3D Printing



Group Photos of participated students, resource persons, faculty coordinator

Department of EEE has organized a workshop on “3D Printing” on 26.04.22 for the Third year students

### SHORT TERM COURSES AND WORKSHOPS ORGANIZED

S. NO.	NAME OF THE ENGINEERING EVENT	IN ASSOCIATION WITH	DATE OF THE EVENT	PO / PSO MAPPING	STATE/ INSTITUTE/ NATIONAL/ INTERNATIONAL
1	Hands On Training on Arduino	IEEE	19.09.2022 to 23.09.2022	PO3, PO5	Institute
2	Value added courses On “Design Thinking and Electrical Design Development”	EESOR	5.04.2022 to 29.04.2022	PO3, PO5	Institute
3	One day workshop on "Domestic Wiring"	EESOR	23.04.2022	PO1	Institute

### 2019-2023 BATCH PLACED STUDENTS:

S NO	REG. NO.	NAME	COMPANY
1.	2019103001	Abimanyu R	Voltech Engineering Pvt. Ltd
2.	2019103001	Abimanyu R	Faurecia India Pvt. Ltd.
3.	2019103002	Abishek@Yuvaraj S	Suresoft

4.	2019103003	Afrin Benazeer B	Concentrix
5.	2019103004	Ajay D	JSE Engineering Pvt. Ltd.
6.	2019103004	Ajay D	Faurecia India Pvt. Ltd.
7.	2019103005	Ajay S	Kyungshin Industrial Motherson Pvt Ltd
8.	2019103007	Akash G	Concentrix
9.	2019103008	Akash R	Voltech Engineering Pvt. Ltd
10.	2019103009	Akshaya Loshini S	Avalon Technologies Ltd.
11.	2019103010	Amarnath P	Voltech Engineering Pvt. Ltd
12.	2019103011	Aravindhkumar S	Kyungshin Industrial Motherson Pvt Ltd
13.	2019103012	Arish J	Voltech Engineering Pvt. Ltd
14.	2019103013	Arjun M	Concentrix
15.	2019103014	Arulmurugan M	Voltech Engineering Pvt. Ltd
16.	2019103016	Arvind K	Concentrix
17.	2019103017	Ashwin Rex Shyam R	Faurecia India Pvt. Ltd.
18.	2019103019	Bharath A	Voltech Engineering Pvt. Ltd
19.	2019103022	Dhamodharan J	JSE Engineering Pvt. Ltd.
20.	2019103024	Dhayanithi R	Avalon Technologies Ltd.
21.	2019103027	Dinesh Kumar @ Thanush T	Voltech Engineering Pvt. Ltd
22.	2019103029	Gokul Raj R	Voltech Engineering Pvt. Ltd
23.	2019103030	Harikaran S	Voltech Engineering Pvt. Ltd
24.	2019103031	Harikrishnan M	Faurecia India Pvt. Ltd.
25.	2019103033	Harshan R	Kyungshin Industrial Motherson Pvt Ltd
26.	2019103034	Ifrath Sadeeka K	Voltech Engineering Pvt. Ltd
27.	2019103035	Immanuvel Prabakaran N	Kyungshin Industrial Motherson Pvt Ltd
28.	2019103035	Immanuvel Prabakaran N	Faurecia India Pvt. Ltd.
29.	2019103038	Jaffrin Rosariyo K	Voltech Engineering Pvt. Ltd
30.	2019103038	Jaffrin Rosariyo K	Suresoft
31.	2019103039	Jeyesh Vimal S	Faurecia India Pvt. Ltd.
32.	2019103040	Karthikeyan B S	Faurecia India Pvt. Ltd.
33.	2019103042	Kayathri C	Concentrix
34.	2019103043	Keerthika K	Renault Nissan Technology
35.	2019103043	Keerthika K	Domex e-Data Pvt Ltd
36.	2019103045	Krishna Kumar G	Faurecia India Pvt. Ltd.
37.	2019103046	Lavanya R	Concentrix
38.	2019103046	Lavanya R	Domex e-Data Pvt Ltd
39.	2019103049	Malathi R	Concentrix
40.	2019103049	Malathi R	Domex e-Data Pvt Ltd
41.	2019103050	Mallaiyaraj N	Kyungshin Industrial Motherson Pvt Ltd

42.	2019103051	Mohamed Ishaq A	Voltech Engineering Pvt. Ltd
43.	2019103054	Mohammed Azharudeen G	Voltech Engineering Pvt. Ltd
44.	2019103056	Mugesh M	Voltech Engineering Pvt. Ltd
45.	2019103056	Mugesh M	Faurecia India Pvt. Ltd.
46.	2019103058	Muniyasami G	Avalon Technologies Ltd.
47.	2019103063	Naveen Kumar N	JSE Engineering Pvt. Ltd.
48.	2019103065	Nithiya Priya M	Domex e-Data Pvt Ltd
49.	2019103067	Prabakaran A	JSE Engineering Pvt. Ltd.
50.	2019103067	Prabakaran A	Faurecia India Pvt. Ltd.
51.	2019103071	Riyaz Ahamed D	Voltech Engineering Pvt. Ltd
52.	2019103072	Roophankumar S R	Voltech Engineering Pvt. Ltd
53.	2019103073	Sabari Priyan M	Faurecia India Pvt. Ltd.
54.	2019103075	Sahil Meharan P	Faurecia India Pvt. Ltd.
55.	2019103076	Saktheeswaran B	Voltech Engineering Pvt. Ltd
56.	2019103076	Saktheeswaran B	Faurecia India Pvt. Ltd.
57.	2019103077	Seenivasagan G	Voltech Engineering Pvt. Ltd
58.	2019103078	Shanmugapriya C	Domex e-Data Pvt Ltd
59.	2019103079	Shanmugi M	Renault Nissan Technology
60.	2019103079	Shanmugi M	Domex e-Data Pvt Ltd
61.	2019103081	Shiek Mohamed R	Renault Nissan Technology
62.	2019103081	Shiek Mohamed R	Faurecia India Pvt. Ltd.
63.	2019103082	Shree Ganesh P	Voltech Engineering Pvt. Ltd
64.	2019103082	Shree Ganesh P	Faurecia India Pvt. Ltd.
65.	2019103084	Sri Nishalprabu R	Voltech Engineering Pvt. Ltd
66.	2019103084	Sri Nishalprabu R	Faurecia India Pvt. Ltd.
67.	2019103085	Srimathi Bhuvaneswari S	Renault Nissan Technology
68.	2019103087	Sudharshan L	Data Pattern (India) Pvt. Ltd
69.	2019103087	Sudharshan L	Faurecia India Pvt. Ltd.
70.	2019103088	Sundareshwaran M	JSE Engineering Pvt. Ltd.
71.	2019103094	Venkat Ramanan N M	Voltech Engineering Pvt. Ltd
72.	2019103095	Vignesh Pandian A	Voltech Engineering Pvt. Ltd
73.	2019103095	Vignesh Pandian A	Faurecia India Pvt. Ltd.
74.	2019103096	Vigneshvaran S	Faurecia India Pvt. Ltd.
75.	2019103099	Vinupriya A	Concentrix
76.	2019103104	Yogaraj S	Voltech Engineering Pvt. Ltd
77.	2019103104	Yogaraj S	Faurecia India Pvt. Ltd.
78.	2019103106	Yuvasri S	JSE Engineering Pvt. Ltd.
79.	2019103301	Abhishek K	Voltech Engineering Pvt. Ltd
80.	2019103301	Abhishek K	Faurecia India Pvt. Ltd.
81.	2019103302	Anantharaman K	Kossaie Enterprises
82.	2019103307	Madhavan R	Avalon Technologies Ltd.
83.	2019103308	Mohamed Masicq Z	Aspire Systems Pvt. Ltd.
84.	2019103311	Ramamoorthi M	JSE Engineering Pvt. Ltd.



85.	2019103313	Shankara Narayanan M	Faurecia India Pvt. Ltd.
86.	2019103314	Thilothini N	Cognizant Technology Solutions India Pvt. Ltd
87.	2019103315	Venkatesh T	The Sanmar Group
88.	2019103315	Venkatesh T	JSE Engineering Pvt. Ltd.
89.	2019103316	Shiraz Deen K	Concentrix
90.	2019103318	Akash S	Renault Nissan Technology
91.	2019103319	Anush Kumar M	Concentrix
92.	2019103319	Anush Kumar M	Faurecia India Pvt. Ltd.
93.	2019103320	Mohamed Ismail S	Kyungshin Industrial Motherson Pvt Ltd
94.	2019103321	Mohammed Ibrahim G	Voltech Engineering Pvt. Ltd
95.	2019103322	Mohammed Sheik Musthaq S	Faurecia India Pvt. Ltd.
96.	2019103501	Mohamed Abdul Rasik Kabeer T	Voltech Engineering Pvt. Ltd

### **FACULTY ATTENDED PROGRAM (2021-2022):**

FACULTY NAME	TOPIC OF THE PROGRAM	DATE
Mr.T.Harish babu	NPTEL – AICTE FDP On Robotics And Control ; Theory And Practice	01-01-2022 to 31-03-2022
Mr.V.Prabhu	Webinar On PLC / SCADA	31-01-2022 to 05-02-2022
Ms.M.Sivaramaselvi	Training Program on Applications Of PLC	07-02-2022 to 11-02-2022
Mr.S.Sugumar	Workshop On Virtual Labs	08-02-2022 to 08-02-2022
Ms.V.S.Chithra	Conference On Creativity And Innovation In Technology Development – 2022	25-02-2022 to 26-02-2022
Mr.V.Muthuvel	Conference On Emerging Trends In Information And Communication Technologies	28-05-2022 to 29-05-2022
Mr.Harish Babu	Amazon Web Services	22-08-2022 to 27-08-2022
Dr.Narmadha	Powering IoT using Arduino	19-09-22 to 23-09-22
Dr.B.Meenakshi Sundaram	PYTHON programming for Electrical Engineers	01-12-2022 to 03-12-2022

### **FACULTY PUBLICATIONS:**

**Faculty Name: B.Meenakshi Sundaram**

1. B. Meenakshi Sundaram Performance Analysis of Thermal Image Processing-Based Photovoltaic Fault Detection and PV Array Reconfiguration—A Detailed Experimentation Energies 2022, 15(22), 450. <https://doi.org/10.3390/en15228450>

**Faculty Name: P.Meenalochini**

1. R.Karthick, A.Senthilselvi, P.Meenalochini, S.Senthil Pandi, “Design and Analysis of Linear Phase Finite Impulse Response Filter Using Water Strider Optimization Algorithm in FPGA” Circuits, Systems, and Signal Processing, 41(9), pp. 5254–5282, 2022.
2. P.Meenalochini, Energy management of grid connected PV with efficient inverter based wireless electric vehicle battery charger: A hybrid CSA-QNN technique. <https://doi.org/10.1016/j.est.2023.110255>
3. P.Meenalochini, Analysis of vital signs using remote Photoplethysmography. <https://link.springer.com/article/10.1007/s12652-023-04683-w#article-info>
4. P.Meenalochini An Optimal Partitioning and Floor Planning for VLSI Circuit Design Based on a Hybrid Bio-Inspired Whale Optimization and Adaptive Bird Swarm Optimization (WO-ABSO) Algorithm.
5. P. Meenalochini An Efficient Control Strategy for an Extended Switched Coupled Inductor Quasi-Z-Source Inverter for 3 $\Phi$  Grid Connected System <https://doi.org/10.1142/S0218126624500117>  
<https://doi.org/10.1142/S0218126623502730>
6. P. Meenalochini Dual-Channel Capsule Generative Adversarial Network Optimized with Golden Eagle Optimization for Pediatric Bone Age Assessment from Hand X-Ray Image. <https://doi.org/10.1142/S0218001423540010>
7. P. Meenalochini Deep Convolutional Spiking Neural Network optimized with Arithmetic optimization algorithm for lung disease detection using chest X-ray images. <https://doi.org/10.1016/j.bspc.2022.104197>

**Faculty Name: J.Jeyashanthi**

1. J.Jeyashanthi, M.Santhi, “Performance of direct torque controlled induction motor drive by fuzzy logic controller” Control Engineering and Applied Informatics, 2022, pp. 63–71, 2020.
2. J.Jeyashanthi, J.BarsanaBanu, (2021) “ANN-based direct torque control Scheme of an IM Drive for a wide range of speed operation”, Neural Network World, 2022, Vol. 31, No. 6, Pages. 395 -414.
3. J.Jeyashanthi, J.BarsanaBanu, (2022) “ANFIS based double integral sliding mode control a grid integrated hybrid power system” Optik - International Journal for Light and Electron Optics – Elsevier, <https://doi.org/10.1016/j.ijleo.2022.170013>
4. J.Jeyashanthi, J.Barsana Banu, M.Pandi Maharajan, M.Ramuvel, (2022) “Assessment of physical and chemical Water Quality Parameters Using Naïve Bayes Classification Algorithm”, Material Today Proceedings – Elsevier

**Faculty Name: G.Narmadha**

1. G.Narmadha, M.Malathi, S.A.Kumar, T.Shanmuganantham, S.Deivasigamani, "Performance of implantable antenna at ISM band characteristics for biomedical base" ICT Express, 8(2), pp. 198–201, 2022.
2. G.Narmadha, S.Deivasigamani, K.Balasubadra, M.Selvaraj, "A low power and high speed approximate adder for image processing applications" Journal of Engineering Research (Kuwait), 10(1), pp. 150–160, 2022.

**Faculty Name: S.Vijayarajan**

1. Renethaa Desline, Dr.S.Vijayarajan, "DFO and PI Based Dual Control for Single Stage SEPIC and LLC Based PFC Converter" Journal of Electrical Engineering and Technology 17(4), pp. 2285–2298, 2022.

**Faculty Name: C.Immanuvel**

1. C.Immanuvel Third eyes' shoes: the sight sense through smart shoes for disabled person Quantum Journal of Medical and Health Sciences 5 (eISSN: 2785-8243), 43-46.

**Faculty Name: V.Vaishnavi**

1. V.Vaishnavi, P.Suveetha Dhanaselvam, "Neonatal cry signal prediction and classification via dense convolution neural network" Journal of Intelligent & amp ; Fuzzy Systems, vol. 42, no. 6, pp. 6103-611, 2022.

**Faculty Name: T.HarishBabu**

1. T.Harish Babu, An early warning system for predicting Earthquakes Novel AI Application DOI : 10:4018/979-8-3693-1850-8.ch011

**FUNDED PROJECTS:**

NAME OF THE FACULTY	PROJECT TITLE	PROJEC TYPE RESEARCH / CONSULTAN CY	FUNDIN G AGENC Y	AMOUNT	DURATIO N
Dr.P.Meenalochini Dr.G.Soundradevi	LTLC Detector	Research	MSME	Rs.10,75,000	2022-23
Dr.S.Vijayarajan Dr.V.Vaishnavi	Non-Invasive Glucometer	Research	EDII	Rs.2,51,000	2022-23
Dr.V.Vaishnavi Dr.S.Vijayarajan	Non-Invasive Neonatal Health Monitoring Device	Research	EDII	Rs.2,61,000	2022-23

**FACULTY DEVELOPMENT PROGRAM / TRAINING ACTIVITIES:**

S.No.	NAME OF THE FACULTY	NAME OF THE PROGRAMME	NAME OF THE ORGANIZATION	PROGRAMME DATE

1	Dr. B.Meenakshi Sundharam	STTP On Outcome Based Assessment	National Institute of Technical Engineers, India	31-01-2022 to 04-02-2022
		Python Programming for Electric Engineers	Mepco Schlenk Engineering College, Madurai	01-12-2022 to 03-12-2022
2	Mrs. J.Jeyashanthi	Conference On Creativity & Innovation in Technology Development	S.S College of Engineering	25-02-2022 to 26-02-2022
		Training Program on Applications of PLC	National Institute of Technical Engineers, India	07-02-2022 to 11-02-2022
3	Ms. V.S.Chitra	Conference on Creativity and Innovation in Technology Development	S.S College of Engineering	25-02-2022 to 26-02-2022
4	Mr. T.HarishBabu	NPTEL-AICTE FDP on Robotics and Control; Theory and Practice	NPTEL	01-01-2022 to 31-03-2022
		Amazon Web Services	PSNA College of Engineering	22-08-2022 to 27-08-2022
5	Mrs. V.Vaishnavi	Trends and Challenges in EV Ecosystem	KCG College of Technology	14-02-2022 to 28-02-2022
6	Mr. S.Sugumar	Workshop on Virtual Labs	Virtual Labs	08-02-2022
7	Mr. Prabhu	Webinar on PLC/SCADA	Hitakey Systems	31-01-2022 to 05-02-2022
8	Ms. SivaramaSelvi	Training Program on Application of	National Institute of Technical	07-02-2022 to 11-02-2022



		PLC	Engineers, India	
9	Dr. P.Meenalochini	Master Class on AI	Pantech Solutions	21-03-2022 to 20-04-2022
		Read for Success	Wisdom Academy	26-03-2022
10	Dr. G.Narmadha	Powering IoT Using Arduino	NAAN MUTHALVAN	19-07-2022 to 23-09-2022
11	Ms. R.Brindha	Machine Learning in Pandemic Era	Vellore Institute of Technology	04-07-2022 to 08-07-2022

### FACULTY PUBLICATIONS:

S.No.	NAME OF THE FACULTY	NAME OF THE RESEARCH PAPER	YEAR OF PUBLICATIONS	NAME OF THE JOURNAL
1	Dr. B.Meenakshi Sundharam	Performance Analysis of Thermal Image ProcessingBased Photovoltaic Fault Detection and PV Array Reconfiguration-A Detailed Experimentation	2022	Energies
2	Dr. S.Vijayarajan	DFO and PI Based Dual Control for Single Stage SEPIC and LLC Based PFC Converter	2022	Journal of Electrical Engineering and Technology
3	Dr. P.Meenalochini	Design and Analysis of Linear Phase Finite Impulse Response Filter Using Water Strider Optimization Algorithm in FPGA	2022	Circuits, Systems, and Signal Processing This link is disabled.
4	Dr. J.Jeyashanthi	ANN-based direct torque control Scheme of an IM Drive for a wide range of speed operation	2022	Neural Network World
5	Dr. J.Jeyashanthi	ANFIS based double integral sliding mode control a grid integrated	2022	International Journal for Light and

				Electron
6	Dr. J.Jeyashanthi	Assessment of physical and chemical Water Quality Parameters Using Naïve Bayes Classification Algorithm	2022	Material Today Proceedings
7	Dr. G.Narmatha	Performance of implantable antenna at ISM band characteristics for biomedical base	2022	ICT Express
8	Dr. G.Narmatha	A low power and high-speed approximate adder for image processing applications”	2022	Journal of Engineering Research (Kuwait)
9	Dr. V.Vaishnavi	Neonatal cry signal prediction and classification via dense convolution neural network	2022	Journal of Intelligent & Fuzzy Systems

### STUDENT'S PAPERS PRESENTED IN CONFERENCES

S.NO	STUDENT NAME	TITLE	CONFERENCE NAME
1	C.Shanmuga Priya S.Yuvasri	Solar Refrigeration	National Conference on Advanced Science, Engineering and Technology
2	B.Afrin Benazeer	A Simple Coil Machine using Arduino Controller	National Conference on Advanced Science, Engineering and Technology
3	M.Hari Krishnan M.Mohamed Thoufiq	Covid-19 Social Distance Meter	National Conference on Advanced Science, Engineering and Technology
4	K.Iswarya	Green Chemistry	National Conference on Advanced Science, Engineering and

			Technology
5	Harikaran	Chemical Melting CoFe <sub>2</sub> O <sub>4</sub> Magnetism force of applications	Virtual National Conference on Materials for Energy and Sustainability (MES-2022)

## CONGRATULATIONS

- We congratulate **Mrs.P.Meenalochini Assistant Professor/EEE** for completing her **Ph.D** on June 6<sup>th</sup> 2022
- We congratulate the following faculty members for their awards

S. No.	Name of the Faculty	Name of the Award	Details of Awards/Recognitions received
1.	Dr.B.Meenakshisundaram	From Centre for Entrepreneurship (CED), Govt of Tamilnadu,2020	Appreciation Award
2.	Dr. Meenakshi Sundaram B	ICSTA 2022 organized by Ramco Institute of Technology on 11th & 12th March, 2022	Appreciation for review member in the International Conference
3.	Mrs.P. Meenalochini	Certificate of Recognition for publishing Article in Q1 Journal (Applied Soft Computing	CFR, Anna University

- We congratulate the following faculty members for getting funded Research projects

NAME OF THE FACULTY	PROJECT TITLE	PROJEC TYPE	FUNDING AGENCY	AMOUNT	DURATION
Dr.P.Meenalochini Dr.G.Soundradevi	LTLC Detector	Research	MSME	Rs.10,75,000	2022-23
Dr.S.Vijayarajan Dr.V.Vaishnavi	Non-Invasive Glucometer	Research	EDII	Rs.2,51,000	2022-23
Dr.V.Vaishnavi Dr.S.Vijayarajan	Non-Invasive Neonatal Health Monitoring Device	Research	EDII	Rs.2,61,000	2022-23

- We congratulate the following faculty members for reviewing various articles in reputed journals

### Reviewer Details

S.No	Name of the Faculty	Name of the Journal reviewed	Reviewed Date (Year-Month-Date)
1.	Dr.P. Meenalochini	Materials Today: Proceedings	2022-01-13
2.	Dr.P. Meenalochini	IEEE Transactions on Power Electronics	2022-03-11

3.	Dr.P. Meenalochini	Materials Today: Proceedings	2022-03-20
4.	Dr.P. Meenalochini	Materials Today: Proceedings	2022-03-29
5.	Dr.P. Meenalochini	Materials Today: Proceedings	2022-03-31
6.	Dr.P. Meenalochini	Materials Today: Proceedings	2022-04-06
7.	Dr.P. Meenalochini	IEEE Transactions on Power Electronics	2022-04-21
8.	Dr.P. Meenalochini	Materials Today: Proceedings	2022-01-13
9.	Dr.P. Meenalochini	IEEE Transactions on Power Electronics	2022-03-11
10.	Dr.P. Meenalochini	Energy Engineering: Journal of the Association of Energy Engineers	2023-11-13
11.	Dr.G.Narmadha	Journal of circuits systems and computers	2022-03-29
12.	Dr.G.Narmadha	International Journal of Electronics	2022-03-31

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