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,ECE,CSE, PHYSICS)
Pulloor, Kariapatti– 626115.

Department of Electrical and Electronics Engineering

EESOR NEWSLETTER

VOL : 08	JAN 2020 – DEC 2020

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 OUTCOME

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 OUTCOME

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

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

Hands on Training on ARDUINO

Students explaining their Arduino project to HoD

Department of EEE has organized a "**One day Hands on Training on Arduino**" in collaboration with EESOR Association on 09.03.2020 for Second year students. The Resource person was Mr.J.Vimal Raj, Premier Evolvics Pvt.Ltd.Coimbatore. The welcome address was delivered by Dr.A.Srinivasan Prof & Head/EEE. Association Incharges were Dr.S.Vijayarajan Asso.Prof/EEE and Mr.C.Shiva Asst.Prof/EEE and coordinators were Mrs.V.S.Chitra Asst.Prof/EEE and Mrs.V.Vashnavi Asst.Prof/EEE.

Guest lecture on "National Educational Policy-2020"

Department of Electrical and Electronics Engineering organized an Online webinar on the topic "National Educational Policy-2020"on 30.09.2020 for the students of EEE department. The Program was convened by Our Head of the Department Dr.A.Srinivasan. The Program was coordinated by Dr.R.M.Sasiraja Associate Professor/EEE and organized by Mr.T.Murugan Assistant Professor/EEE and Mr.S.Sugumar Assistant Professor/EEE. The Resource person was Dr.C.K.Dwarakanath scientist (Rtd.)-DRDO Educationalist Bangalore teaching about National Educational Policy to the students.

Guest Lecture on Cloud Computing With AWS

Department of Electrical and Electronics Engineering has organized an Online webinar on the topic "Cloud Computing With AWS" on 30.07.2020 for the students of EEE department. The Program was convened by Our Head of the Department Dr.A.Srinivasan, The Program was co convened by Dr.J.Jeyashanthi Asso.Prof, Dr.G.Narmadha Asso.Prof, Dr.A.Marikannan Asso.Prof and coordinated by Mrs.P.Meenalochini Asst.Prof(Sr.Gr), Mrs.S.Rohini Asst.Prof(Sr.Gr), Ms.C.Sonia Asst.Prof.

Online Webinar on "Application of Electrical Engineering in Ocean Research"

Department of Electrical and Electronics Engineering in association with EESOR organized an online webinar on the topic "Application of Electrical Engineering in Ocean Research" on 17.09.2020 for the students of EEE department. The Program was convened by Our Head of the Department Dr.A.Srinivasan, The Co Convenors of this program were Dr.B.Meenakshi Sundaram Prof/EEE, Dr.G.Soundra Devi Prof/EEE, Dr.J.Rahila Prof/EEE. The Program was coordinated by Dr.J.Jeyashanthi Asso.Prof, Mrs.P.Meenalochini Asst.Prof(Sr.Gr), Mrs.S.Rohini Asst.Prof(Sr.Gr), Mrs.V.Chithra Asst.Prof.

COCURRICULAR ACTIVITIES OF STUDENT

S.NO	Name of the Student	Name of the Event	Title of the Event	Venue	Price
1	Abhiloshini.S	Symposium	Techutsav 2020	Thiyagarajar College of Engineering	1000
2	Divya.P	Symposium	Techutsav 2020	Thiyagarajar College of Engineering	1000
3	Sabari Pandi.T	Symposium	Techutsav 2020	Thiyagarajar College of Engineering	1000
4	Alagarsamy.T	Symposium	Techical Event	Alagappa Chettiar Government college of	1000
5	Amarnath.P	Project	Parkalpa 2020	PSR Engineering College	1st Prize
6	Dhayanithi.R	Project	Parkalpa 2020	PSR Engineering College	1st Prize
7	Vetrivel.G	Entrepreneurship Awareness Camp	Central for Enterperneurship	Sethu Institute of Technology	Appreciate
8	Aafrin Begum	Entrepreneurship Awareness Camp	Central for Enterperneurship	Sethu Institute of Technology	Appreciate
9	Mohamed Rahumathulla Z	Online Quiz	Maths Quiz	K.Ramakrishna College Of Technology	1st Prize
10	Vinupriya.A	Online Quiz	Mind Freak with Java	Peri Institute of Technology	1st Prize
11	Nithiyapriya.M	Online Quiz	Mind Freak with Java	Peri Institute of Technology	1st Prize
12	Srimathi Bhuvaneswari.S	National Level Quiz	Quiz on History of NSS	Thiyagarajar College of Engineering	3rd Prize
13	Ifrath Sadeeka.K	Online Quiz	Brain Quiz	NPR Arts & Science College	1st Prize
14	Yuvasri.S	Online Quiz	Mind Freak with Java	Peri Institute of Technology	2st Prize
15	Akshaya Loshini.S	Online Quiz	Quizophile-logo Identification	EGS Pillay Group of Institute	2nd Prize
16	Shanmugi.M	Online Quiz	Java Script	Vaagaeswari College of Engineering	1st Prize
17	Kayathri.C	Online Quiz	Brain Quiz	NPR Arts & Science College	1st Prize
18	Muthumani.S	Online Quiz	Maths Quiz	K.Ramakrishna College Of Technology	2nd Prize
19	Alagarsamy.T	Quiz on Computer Science	Kalam Talent Quizzard-2020	Nandha Arts & Science	1st Prize
20	Nithiyapriya.M	National Level Quiz	Quiz on Arithmetic Ability	Rajapalayam Rajus' College	1st Prize
21	Vinupriya.A	National Level Quiz	Quiz on Arithmetic Ability	Rajapalayam Rajus' College	1st Prize

22	Jaffrin Rosariyo.K	National Level Quiz	Quiz on History of NSS	Thiyagarajar College of Engineering	2nd Prize
23	Harish Prabhakar.D	National Level Quiz	Quiz on C-Programming	ST.Joseph University	3rd Prize
24	Keerthika.G	Online Quiz	Maths Quiz	K.Ramakrishna College Of Technology	2nd Prize
25	Arvind.K	Online Quiz	Quiz on Electrical Machines	Muthuyammal Engineering Institutions	1st Prize
26	Kanagvalli.M	Quarter Finals Round	India Innovation Challenge Design	Texas Instruments,Bangalore	Appreciate
27	Vidhya Lakshmi.S	Quarter Finals Round	India Innovation Challenge Design	Texas Instruments,Bangalore	Appreciate
28	Dharshan G	Certificate Course	Control Engineering	Sethu Institute Of Technology	Appreciate
29	Elakkiya S	Certificate Course	Starting With Aptitude Preparation	Talent Battle	Appreciate
30	Elakkiya S	Certificate Course	Junior Application Developer	Code Factory	Appreciate
31	Keerthika G	Certificate Course	Success Is A Process	Sethu Institute Of Technology	Appreciate
32	Keerthika G	Certificate Course	Basic Renewable Energy	Udemy	Appreciate
33	Keerthika G	Certificate Course	Tamilnadu Students Innovators	Sethu Institute Of Technology	Appreciate
34	Mathan Kumar T	Certificate Course	Embbeded System Design	Texas Instrument	Appreciate
35	Mohamed Rahumathulla Z	Certificate Course	webinar	Kpr Institute Of Engineering And Technology	Appreciate
36	Mohamed Rahumathulla Z	Certificate Course	conference	A.V.V.M Sri Pushpam College	Appreciate
37	Mohamed Rahumathulla Z	Certificate Course	online quiz	Kpr Institute Of Engineering And Technology	Appreciate
38	Mohamed Rahumathulla Z	Certificate Course	webinar	Kpr Institute Of Engineering And Technology	Appreciate
39	Mohamed Rahumathulla Z	Certificate Course	webinar	Pune Vidyarthi Girija'S College Of Engineering	Appreciate
40	Mohamed Rahumathulla Z	Certificate Course	project	Rajiv Gandhi University	Appreciate
41	Mohamed Rahumathulla Z	Certificate Course	project	Kpr Institute Of Engineering And Technology	Appreciate
42	Suriyaprakash R	Certificate Course	Programming In C And C++	Ssi Education	Appreciate
43	Ajay D	Certificate Course	Game Development Using Pygame	Guvi	Appreciate
44	Ajay D	Certificate Course	Pcb Architecture And Design	Cisco Thingqbator	Appreciate

Seminars and Workshops attended by faculty

S.no	Faculty Name	Organisation where the Course is undertaken	Duration		Topic
			From	To	
1	Dr.A.Srinivasan	CSIR-CECRI	04-Mar-2020	04-Mar-2020	Member Of The Assessment Committee
2	Dr.A.Srinivasan	Sethu Institute of Technology	27-Feb-2020	28-Feb-2020	Revised Naac Framework For Quality Enhancement In Higher Education Institutions
3	Dr.A.Srinivasan	Sethu Institute of Technology	13-Feb-2020	13-Feb-2020	Electric And Hybrid Vehicles
4	Mr.Shiva C	Sethu Institute of Technology	27-Feb-2020	28-Feb-2020	Revised Naac Framework For Quality Enhancement In Higher Education Institutions
5	Mr.Sugumar S	Sethu Institute of Technology	27-Mar-2020	28-Mar-2020	Revised Naac Framework For Quality Enhancement In Higher Education Institutions
6	Mrs.Chitra V S	Indian Institute of Technology Bombay	01-May-2019	31-Dec-2019	Hand-on Training On Solar Study Lamp Assemble
7	Mr.Harish Babu T	Sethu Institute of Technology	27-Mar-2020	28-Mar-2020	Revised Naac Framework For Quality Enhancement In Higher Education Institutions
8	Mr.SHIVA C	Atal Incubation Centre-pondicherry Engineering College	08-Apr-2020	08-Apr-2020	How To Conduct Online Class To Students
9	Mr.SHIVA C	Sri Krishna College of Technolgy	27-Apr-2020	27-Apr-2020	Big Data In Electrical Engineering
10	Mr.SHIVA C	Praya Labs	01-May-2020	03-May-2020	Three Days Online Faculty Workshop Programme On Git Vision Control
11	Mr.SHIVA C	SNS College of Technology, Coimbatore	04-May-2020	04-May-2020	Webinar On "winning The Competitive World"
12	Mr.SHIVA C	Karpagam College of Engineering In Association With Computer Society of India.	04-May-2020	04-May-2020	Webinar On "understanding Rest Api"

13	Mr.SHIVA C	AJK College of Arts And Science, Coimbatore.	04-May-2020	04-May-2020	Covid 19 Online Quiz
14	Mr. SHIVA C	Karpagam College of Engineering	02-May-2020	02-May-2020	3d Printing / Additive Manufacturing 101
15	Mr. SHIVA C	Department of Electrical And Electronics Engineering, Karpagam College of Engineer	05-May-2020	05-May-2020	Sand To Circuits
16	Mr.SHIVA C	Department of Electrical And Electronics Engineering, Easwari Engineering College	09-May-2020	09-May-2020	Webinar On Power System Distribution With Latest Technology
17	Mr.SHIVA C	Chadalawada Ramanamma Engineering College	08-May-2020	08-May-2020	Importance Of Design In Engineering
18	Mr.SHIVA C	Sri Ranganathar Institute of Engineering And Technology	07-May-2020	07-May-2020	Light Weight Protocols In Internet Of Things
19	Mr.SHIVA C	Department of Electrical And Electronics Engineering, Easwari Engineering College	10-May-2020	10-May-2020	Electrical Engineering Applications Of Machine Learning
20	Mr.SHIVA C	Easwari Engineering College	11-May-2020	11-May-2020	Testing Commissioning And Retrofitting Numerical Relay
21	Mr.SHIVA C	Karpagam College of Engineering	10-May-2020	10-May-2020	Mobile Robots
22	Mr.SHIVA C	Muthayammal Engineering Institutions	12-May-2020	12-May-2020	Opportunities For Engineering And Expectations From Industry
23	Mr.SHIVA C	Sri Easwar College of Engineering	13-May-2020	13-May-2020	Data Science For Engineers
24	Dr.Soundra Devi G	Sethu Institute of Technology	13-May-2020	15-May-2020	Online Webinar Series 2020

25	Mr.Murugan T	Sri Vasavi Engineering College	04-May-2020	09-May-2020	Research Challenges And Opportunities Post Covid-19
26	Mr.Murugan T	Chennai Institute of Technology	08-May-2020	08-May-2020	21st Century Communication Skills Powered By Artificial Intelligence
27	Mr.Murugan T	Karpagam College of Engineering	02-May-2020	02-May-2020	3d Printing / Additive Manufacturing 101
28	Mr.Murugan T	Cheran College of Engineering	22-May-2020	24-May-2020	Recent Trends In Engineering And Technology
29	Mr.Murugan T	Iconix Software Solution	11-May-2020	11-May-2020	Pyton Using Digital Image Processing
30	Mr.Murugan T	RK University And Saurashtra University	05-May-2020	08-May-2020	Conceptual And Applied Physics
31	Mr.Murugan T	Atal Incubation Centre-pondicherry Engineering College	10-Apr-2020	10-Apr-2020	How To Conduct Online Class To Students
32	Mr.Murugan T	PSNs College of Engineering And Technology	15-May-2020	15-May-2020	Deep Learning For Computer Vision Using Matlab
33	Mr.Murugan T	Dwaraka Doss Goverdhan Doss Vaishnav College	01-May-2020	01-May-2020	Data Science
34	Mr.Murugan T	Easwari Engineering College	10-May-2020	10-May-2020	Electrical Engineering Applications Of Machine Learning
35	Mr.Murugan T	Sri Eashwar College Of Engineering	12-May-2020	12-May-2020	Energy Auditing And Career Opportunities
36	Mr.Murugan T	R.MK . Engineering College	15-May-2020	15-May-2020	Ipr And Ip Management For Innovation And Start-ups
37	Mr.Murugan T	Sri Eashwar College Of Engineering	14-May-2020	14-May-2020	Ai & Machine Learning
38	Mr.Murugan T	Sri Eashwar College Of Engineering	15-May-2020	15-May-2020	Cyber Security
39	Mr.Murugan T	Sri Eashwar College Of Engineering	17-May-2020	17-May-2020	Demystify The Cloud
40	Mr.Murugan T	Sri Eshwar College of Engineering	18-May-2020	18-May-2020	Block Chain Basics

41	Mr.Murugan T	Sri Eshwar College of Engineering	19-May-2020	19-May-2020	Industry 4.0
42	Mr.Murugan T	Kamaraj College of Engineering	16-May-2020	16-May-2020	Required Skill Set For Placement In Core Industries - Post Covid'19
43	Mr.Murugan T	SNS College of Technology	04-May-2020	04-May-2020	Winning The Competitive World
44	Mr.Murugan T	Muthayammal Engineering Institution	15-May-2020	15-May-2020	How To Fabricate Projects In Proteus Simulation
45	Mr.Murugan T	Muthayammal Engineering Institution	12-May-2020	12-May-2020	Opportunities For Engineering And Expectations From Industry
46	Mr.Murugan T	K.ramakrishnan College of Technology	21-May-2020	21-May-2020	Research Opportunities Of Power Converters
47	Mr.Sugumar S	Sri Venkateshwara College of Technology	16-May-2020	16-May-2020	International Day Of Light
48	Mr.Murugan T	Ahalia School of Engineering And Technology	22-Apr-2020	22-Apr-2020	How To Write A Technical Research Paper
49	Mr.Sugumar S	Eashwari Engineering College	11-May-2020	11-May-2020	Testing Commissioning And Retrofitting Numerical Relay
50	Mr.Sugumar S	PSNA College of Engineering And Technology	30-Apr-2020	30-Apr-2020	Learning Through Gamification
51	Mr.Sugumar S	Dwaraka Doss Goverdhan Doss Vaishnav College	01-May-2020	01-May-2020	Webinar On Data Science
52	Mr.Sugumar S	SNS College of Technology	04-May-2020	04-May-2020	Winning The Competitive World
53	Mr.Sugumar S	Easwari Engineering College	09-May-2020	09-May-2020	Power System Distribution With Latest Technology
54	Mr.Sugumar S	Easwari Engineering College	10-May-2020	10-May-2020	Electrical Engineering Application Of Machine Learning

55	Mr.Sugumar S	Easwari Engineering College	11-May-2020	11-May-2020	Testing Commissioning And Retrofitting Numerical Relay
56	Mr.Sugumar S	Sri Eshwar College of Engineering	12-May-2020	12-May-2020	Energy Auditing And Career Opportunities
57	Mr.Sugumar S	Sri Eshwar College of Engineering	13-May-2020	13-May-2020	Data Science For Engineers
58	Mr.Sugumar S	Muthayammal Engineering Institution	12-May-2020	12-May-2020	Opportunities For Engineering And Expectations Form Industry
59	Mr.Sugumar S	Sri Eshwar College of Engineering	14-May-2020	14-May-2020	Ai & Machine Learning
60	Mr.Sugumar S	Sri Eshwar College of Engineering	15-May-2020	15-May-2020	Cyber Security
61	Mr.Sugumar S	PSNA College of Engineering And Technology	15-May-2020	15-May-2020	Deep Learning For Computer Vision Using Matlab
62	Mr.Sugumar S	Karpagam College of Engineering	08-May-2020	08-May-2020	Introduction To Photonics And Non-invasive Imaging Techniques
63	Mr.Sugumar S	Institute of Road And Transport Technology	16-May-2020	16-May-2020	Python Basics
64	Mr.Sugumar S	Karpagam Institute of Technology	16-May-2020	16-May-2020	Research Advancement In Image Processing
65	Mr.Sugumar S	Sri Eshwar College of Engineering	17-May-2020	17-May-2020	Demystify The Cloud
66	Mr.Sugumar S	Sri Eshwar College of Engineering	18-May-2020	18-May-2020	Block Chain Basics
67	Mr.Sugumar S	Sri Eshwar College of Engineering	19-May-2020	19-May-2020	Industry 4.0
68	Mr.Sugumar S	Francis Xavier Engineering College	21-May-2020	21-May-2020	Heat Pipe Applications To Solar Energy Systems
69	Mr.Sugumar S	Institute of Road And Transport Technology	25-May-2020	25-May-2020	Image Processing Using Opencv And Python
70	Mr.Sugumar S	Vignana Bharathi Institute of Technology	25-May-2020	25-May-2020	Online National Level Quiz On Concepts Of Electrical Engineering

71	Mr.Murugan T	Sethu Institute of Technology	21-May-2020	25-May-2020	Challenges Of Industry 4.0 And Beyond
72	Mr.Murugan T	Eashwari Engineering College	09-May-2020	09-May-2020	Power System Distribution With Latest Technology
73	Mr.Murugan T	Eshwar College of Engineering	13-May-2020	13-May-2020	Data Science For Engineers
74	Mr.Murugan T	Sethu Institute of Technology	13-May-2020	15-May-2020	Role Of Solar Pv Power Forecasting In Smart Ems
75	Mr.Murugan T	AJK College of Arts And Science	4/5/2020	4/5/2020	Covid 19
76	Mr.Murugan T	Institute of Road And Transport Technology	12-May-2020	12-May-2020	Ni Multisim Simulation Software
77	Mr.Murugan T	D.G.vaishnav College,	5/9/2020	5/9/2020	Artificial Intelligence
78	Mr.Murugan T	Karpagam College of Engineering	02-May-2020	02-May-2020	Intellectual Property Rights
79	Mr.Murugan T	SRM Institute of Science And Technology	11-May-2020	11-May-2020	Continuing Professional Development For Teachers In Digital Age
80	Mr.Murugan T	Institute of Road And Transport Technology	09-May-2020	09-May-2020	Electronic Circuits
81	Mr.Murugan T	Institute of Road And Transport Technology	14-May-2020	14-May-2020	Python For Digital Image Processing
82	Mr.Sugumar S	KLN College of Engineering	16-May-2020	17-May-2020	Electrical Power Utility Management - 2020
83	Mr.Sugumar S	Saveetha Engineering College	05-May-2020	05-Jun-2020	Partial Shading Of Pv Panels: Matlab Performance Analysis
84	Mrs.V.Vaishnavi	Bapatla Engineering College	01-Jun-2020	06-Jun-2020	Technological Advance In Power Switching Converter For Renewable Energy Sources And Fuel Cell Technology For E-vehicles
85	Mr.Sugumar S	SRM Ramapuram Campus	24-Apr-2020	24-Apr-2020	Tranforming Learning Ecosystem

86	Mr.Sugumar S	KKR & KSR Institute of Technology And Sciences	09-Jun-2020	13-Jun-2020	Electric Power Grid Modernization Trends, Challenges And Opportunities
87	Mr.Sugumar S	Jansons Institute of Technology	12-Jun-2020	12-Jun-2020	Developing Digital Portfolio As Voluntees
88	Mr.Murugan T	Velalar College of Engineering And Technology	06-Jun-2020	06-Jun-2020	Hybrid Renewable Energy Systems - A Research Perspective
89	Mr.Murugan T	Excel Engineering College	27-Apr-2020	30-Apr-2020	How To Build Ai Products? Art Of Writing Research Paper, Beyond Accreditation, Blended Learning
90	Mr.Murugan T	Karpagam College of Engineering	02-May-2020	02-May-2020	Egovernancehelpdesk
91	Mr.Murugan T	Karpagam Institute of Technology	16-May-2020	16-May-2020	Research Advancement In Image Processing
92	Mr.Murugan T	Sethu Institute of Technology	7/21/2020	7/24/2020	Research Challenges In Power And Energy Systems (rcipes-20)
93	Mr.Murugan T	Dwaraka Doss Goverdhan Doss Vaishnav College	09-May-2020	09-May-2020	Artificial Intelligence
94	Mr.Murugan T	Karpagam College of Engineering	05-May-2020	05-May-2020	Sands On Circuits
95	Mr.Murugan T	Sri Ranganathar Institute of Engineering And Technology	07-May-2020	07-May-2020	Light Weight Protocols In Internet Of Things
96	Mr.Murugan T	The Mohammed Bin Rashid University of Medicine And Health Science	02-Apr-2020	02-Apr-2020	Let's Break The Chain Of Covid-19 Infection
97	Mr.murugan T	St. Joseph's College of Engineering	09-Jun-2020	09-Jun-2020	Testing And Measurement Of Fibre Optic Instruments Using Labview And Teststand
98	Mr.Murugan T	Wilma Communication	05-May-2020	06-May-2020	Fem Solver Based Antenna Design For Wireless Applications

99	Mr.Murugan T	Panimalar Engineering College	06-May-2020	12-May-2020	An Interactive Approach For Online Design, Develop And Delivery For Higher Education
100	Mr.Murugan T	Government College of Engineering, Karad	11-May-2020	15-May-2020	Outcome Based Education: A Step Towards Excellence
101	Mr.Murugan T	PSNA College of Engineering	30-Apr-2020	30-Apr-2020	Lesrning Through Gamification
102	Mr.SHIVA C	Skycampus (ict Acadamy)	11-May-2020	15-May-2020	The Future Of Skills - Education, Employment & Entrepreneurship
103	Mr.SHIVA C	Sethu Institute of Technology	13-May-2020	15-May-2020	Role Of Solar Pv Power Forecasting In Smart Ems
104	Mr.SHIVA C	Government College Of Engineering, Karad	5/11/2020	5/15/2020	Outcome Based Education: A Step Towards Excellence
105	Mr.SHIVA C	Sethu Institute of Technology	21-May-2020	25-May-2020	Challenges Of Industry 4.0 And Beyond
106	Mr.SHIVA C	RMD Engineering College	5/5/2020	5/7/2020	Design Of High Speed Wireless Communication System
107	Mr.SHIVA C	Bapatla Engineering College	6/1/2020	6/5/2020	Technological Advances In Power Switching Converters For Renewable Energy Sources And Fuel Cell Technology For E-vehicles
108	Mr.SHIVA C	Velalar College of Engineering And Technology	06-Jun-2020	06-Jun-2020	Hybrid Renewable Energy Systems - A Research Perspective
109	Mr.SHIVA C	V.K.R, V.N.B & A.G.K College Of Engineering,	6/17/2020	6/23/2020	A Seven Day Online Fdp On "openmodelica And Openipsl"
110	Mr.SHIVA C	Sethu Institute of Technology, Kariapatti	30-Jul-2020	30-Jul-2020	Cloud Computing With Aws
111	Mr.Murugan T	Sri Eshwar College of Engineering	25-Aug-2020	25-Aug-2020	Rural Development With People's Participation
112	Mr.SHIVA C	Sethu Institute of Technology	17-Sep-2020	17-Sep-2020	Application Of Electrical Engineering In Ocean Research
113	Mr.Sugumar S	Latha Mathavan Engineering College	20-Sep-2020	20-Sep-2020	Technical Research Paper Writing -a Kick Start Session

114	Mr.Sugumar S	Sethu Institute of Technology	07-Aug-2020	07-Aug-2020	International Webinar On Simulation Of Electrical And Electronics Project Using Proteus Software
115	Mr.Sugumar S	Francis Xavier Engineering College	05-Jun-2020	05-Jun-2020	Energy Conservation
116	Mr.Sugumar S	CSI College of Engineering - Ketti	24-Jun-2020	24-Jun-2020	An Introduction To The Future 5g Technology
117	Mr.Sugumar S	Sethu Institute of Technology	30-Sep-2020	30-Sep-2020	National Education Policy (nep) - 2020
118	Mr.Sugumar S	Sethu Institute of Technology	10-Sep-2020	10-Sep-2020	Problem Solving Techniques For Competitive Examinations
119	Mr.Sugumar S	Sethu Institute of Technology	14-Aug-2020	14-Aug-2020	Solar - Best Energy Alternative Sources For Future Word

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.MeenakshiSundaram Prof/Head(PED)**

List of quality publications in refereed/SCI Journals by faculty

- **Dr.A Srinivasan,** S. Devakirubakaran, **Dr.B. Meenakshi Sundaram**, Mitigation of mismatch losses in solar PV system â€" Two-step reconfiguration approach, Solar Energy, Volume 206,2020,Pages 640-654,ISSN 0038-092X,https://doi.org/10.1016/j.solener.2020.06.004. (https://www.sciencedirect.com/science/article/pii/S0038092X20306125)
- K. Aravindhan, **Dr.G. Soundradevi**, Power flow control of hybrid micro-grids using modified UIPC, Materials Today: Proceedings, Volume 33, Part 7, 2020, Pages 3810-3818, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.06.220. (https://www.sciencedirect.com/science/article/pii/S2214785320346885)
- **Dr. S Vijayarajan,** A comprehensive review of the key technologies for pure electric vehicles, Energy, Volume 182, 2019, Pages 824-839, ISSN 0360-5442, https://doi.org/10.1016/j.energy.2019.06.077. (https://www.sciencedirect.com/science/article/pii/S0360544219311909)
- **Rohini.S, Meenalochini.P and Jeyashanthi.J** Improved Performance of Photovoltaic Inverters Utilizing in VAR Mode (January 26, 2020). Irish Interdisciplinary Journal of Science & Research (IIJSR), Volume 4, Issue 1, Pages 15-20, January-March 2020, Available at SSRN: https://ssrn.com/abstract=3525597

- **P, Meenalochini, Sonia C**. and Tamilselvi, S., A Brief Investigation on Power Quality Analysis for TND System (January 26, 2020). Irish Interdisciplinary Journal of Science & Research (IIJSR), Volume 4, Issue 1, Pages 01-07, January-March 2020, Available at SSRN: https://ssrn.com/abstract=3525594
- Radhika, A**., Dr.Soundradevi G**. & Mohan Kumar, R. An effective compensation of power quality issues using MPPT-based cuckoo search optimization approach. Soft Comput 24, 16719–16725 (2020). https://doi.org/10.1007/s00500-020-04966-w

- Rajesh Kanna, G.R**., Dr.Sasiraja R.M.** & Prince Winston, D. Design and development of Truncated Angle Variant (TAV) controller for multi-source-fed BLDC motor drive. Electr Eng 102, 1931–1946 (2020). https://doi.org/10.1007/s00202-020-01004-8
- **Dr.Jeyashanthi J** & Dr.Santhi, M. (2020). Improved efficiency of direct torque controlled induction motor drive by golden section method. Revista Facultad de Ingeniería Universidad de Antioquia, (91), 31-42. https://doi.org/10.17533/udea.redin.n91a04
- Dr.Karthick R, **Meenalochini P** and M, Sheik Dawood and Akram, Muhammad and Selvaprasanth, P, A Geographical Review: Novel Coronavirus (COVID-19) Pandemic (October 16, 2020). Asian Journal of Applied Science and Technology (AJAST) (Quarterly International Journal) Volume 4, Issue 2, Pages 44-50, April-June 2020, Available at SSRN: https://ssrn.com/abstract=3712862
- Dr.Karthick R and **Meenalochini P.**, 2020. Implementation of data cache block (DCB) in shared processor using field-programmable gate array (FPGA). Journal of the National Science Foundation of Sri Lanka, 48(4), pp.475–479. DOI:
  http://doi.org/10.4038/jnsfsr.v48i4.10340

Patents Published by faculty

S.No	Patent	Jurisdiction	Inventor's Name	Year of Application	Year of Grant
1	Maximum Power Extraction Using Innovative Algorithm For Solar Photovoltaic	Indian Patent	Dr.A.Srinivasan Prof&Head/EEE	2020	2020 Published
2	Maximum Power Extraction Using Innovative Algorithm For Solar Photovoltaic	Indian Patent	Dr.B.Meenakshi Sundaram Prof&Head/PED	2020	2020 Published
3	An advanced IOT based variety cooking machine	Indian Patent	Dr.G.Soundra Devi Prof/EEE	2020	2020 Published

Congratulations!!!

- We the Department of Electrical and Electronics Engineering congratulate **Dr.A.Srinivasan, Professor & Head/EEE**, Principal Investigator and **Dr.B.Meenakshi Sundaram**, **Professor&Head/PED**, 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

- We congratulate **Dr.G.Soundra Devi** Prof/EEE for being awarded Ph.D Degree on 02.02.2020
- We congratulate **Dr.J.Rahila** Asso.Prof/EEE for being awarded Ph.D Degree on 21.09.2020
- We congratulate **Dr.J.Jeyashanthi** Asso.Prof/EEE for being awarded Ph.D Degree in 18.06.2020.
- We congratulate **Dr.G.Narmadha** Asso. Professor/EEE for frostering the ecosystem bridging government, academic and industry in AICTE embedded design using MSP430.

- We congratulate **Mrs.P.Meenalochini** Assistant Professor(Sr.Gr)/EEE for being awarded third place in evaluation speech contest in Area C4, District 120 Toastmaster international
- We congratulate **Mrs.P.Meenalochini** Assistant Professor(Sr.Gr)/EEE for the member of the prestigious "Confederation of Elite Academicians of IICDC" for outstanding contribution and stellar commitment to inspiring engineering students to innovate and create ground breaking solution
- We congratulate **Mrs.P.Meenalochini** Assistant Professor(Sr.Gr)/EEE for frostering the ecosystem bridging government, academic and industry in AICTE embedded design using MSP430.

NPTEL-2020 Batch

S.No	NAME	COURSE	CATEGORY
1	Sakthi Nishanth v.s	Introduction to Internet of Things	Successfully completed
2	Sakthi Nishanth v.s	Fuzzy Logic and Neural Network	Successfully completed
3	Ramya R	Design Thinking - A Primer	Gold
4	Ramya R	Wheeled Mobile Robots	Elite
5	Ramya R	Python for Data Science	Elite
6	Jeyakumar M	TI Embedded system design using MSP430	Successfully completed
7	Mohammed Asraf M	TI Embedded system design using MSP430	Successfully completed
8	Vinupriya A	Applied Electromagnetics for Engineers	Successfully completed
9	Yuvasri S	Fuzzy Logic and Neural Network	Elite
10	Ramya R	Recent advances in Transmission insulator	Silver

2016-2020 BATCH EEE PLACED STUDENTS LIST

The following candidates of our department have been placed through our college placement cell We the Department of EEE congratulates the placed students and extends the gratitude to theVice Principal, Placement officer and Team members of Placement cell, Sethu Institute Of Technology

S.NO	STUDENT NAME	NAME OF THE EMPLOYER
1	AGNIRAJ M	CTS
2	AJAY BAALAJI S K	SACL
3	AJITH KUMAR S	AVALON
4	BABU M	APPASAMY ASSO
5	BALAJI M	JUST DAIL
6	BALAMURUGAN R	APPASAMY ASSO
7	DHIVYAMEENA M	INFOSYS
8	FASULUDEEN IRSHATH A	SACL
9	FAZILAFURZANA M	MINDA SAI
10	GNANESWARAN R D	MOBASE
11	HEMNATH P	APPASAMY ASSO
11	HEMNATH P	AVALON
12	JAGAPPRADEEP S	APPASAMY ASSO
13	JEYAPRAKASH S	APPASAMY ASSO
14	KEERTHANA J	ENTERPRISE TOUCH
15	MADHU ANANDHI M	JADFOCUS
16	MAHALAKSHMI R	ASPIRE SYSTEMS
17	MARIA SARON ANDREWS L	DS CONNECTORS
18	MEENAKSHI SUNDARAM M	APPASAMY ASSO
19	MOHAMED ASIQ S	SACL
20	MOHAMED JAVID NAZEER S	ASPIRE SYSTEMS
21	MOHAMED NOOHU ABBAS M	ASPIRE SYSTEMS
21	MOHAMED NOOHU ABBAS M	DATA PATTERN
22	MUTHUPANDI S	DS CONNECTORS
23	NAGARAJ K	DS CONNECTORS
24	NAVEEN KUMAR.K	JUST DAIL
25	Ranjith kumar.S	DS CONNECTORS
26	NASHRIN FATHIMA A K	ASSISTANCE
27	NITHEASH KUMAR S	AVALON
28	NITHESHKUMAR S	MOBASE
29	NIVAS E	AVALON
30	PARKAVI P	MINDA SAI
31	PRAVINKUMAR V	AVALON
32	RAMASIVASUDHAN U	JUST DAIL
32	RAMASIVASUDHAN U	AVALON
33	RAMYANJALI L	MINDA SAI

34	RATHEESH KUMAR P	HCL MDU
34	RATHEESH KUMAR P	AVALON
35	RAVIKANNAN G	DS CONNECTORS
36	SABARI P N	APPASAMY ASSO
37	SAMUEL NELSON N	TCS
38	SANKARALINGAM G	APPASAMY ASSO
39	SARAVANA PANDIYAN S B	AVALON
40	SARAVANAN I	SACL
40	SARAVANAN I	DS CONNECTORS
41	SARAVANAPANDI K	SACL
42	SASIKUMAR S	SACL
42	SASIKUMAR S	SURE SOFT
43	SHENBAGA MOORTHY K	APPASAMY ASSO
44	SHIREEN RUKSHANA A	SHIASH
44	SHIREEN RUKSHANA A	MINDA SAI
45	THASLIM BANU S	MINDA SAI
46	THEENA THAYALAN R	JUST DAIL
47	VAISHALINI K	MINDA SAI
48	VENKATA SUBRAMANIAN R	SACL
49	VIGNESH N	UNIQ TECH
49	VIGNESH N	APPASAMY ASSO
50	VIGNESH V	MOBASE
51	RAJESH S	UNIQ TECH
51	RAJESH S	APPASAMY ASSO
51	RAJESH S	SACL
52	SATHISH VEERAPANDI C	APPASAMY ASSO
52	SATHISH VEERAPANDI C	SACL
53	VIKARAMAN C	SACL

Review Contribution of our Faculty

S.No	Faculty Name	Journal Name	Number of Articles Reviewed
1	Dr.G.Narmadha Asso.Prof/EEE	Journal of circuits systems and computing	5
2	Mrs.P.Meenalochini Asst.Prof/EEE	Materials Today: Proceedings	8
3	Mrs.P.Meenalochini Asst.Prof/EEE	IEEE Transactions on Power Electronics	1

Advisory committee   **Editorial Committee**

Dr. Srinivsan A Prof/Head/EEE   Mrs. Meenalochini P Asst. Prof(Sr.Gr)/EEE

Mr. Sugumar S Asst.Prof(Sr.Gr)/EEE   Ms.Elakkiya S (IV Year)/EEE

                                          Mr.Mathan Kumar T(IV Year)/EEE

Executive committee

Ms. Afrin Benazeer B (III Year)/EEE   Mr. Anush Kumar M (III Year)/EEE   Ms. Vinupriya A (III Year)/EEE

Ms. Shanmugapriya C (III year)/EEE   Ms. Yuvasri S (III Year)/EEE   Ms. Nithya Priya M (III Year)/EEE