



EESOR NEWSLETTER

VOL: 09

JAN 2021 - DEC 2021

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:

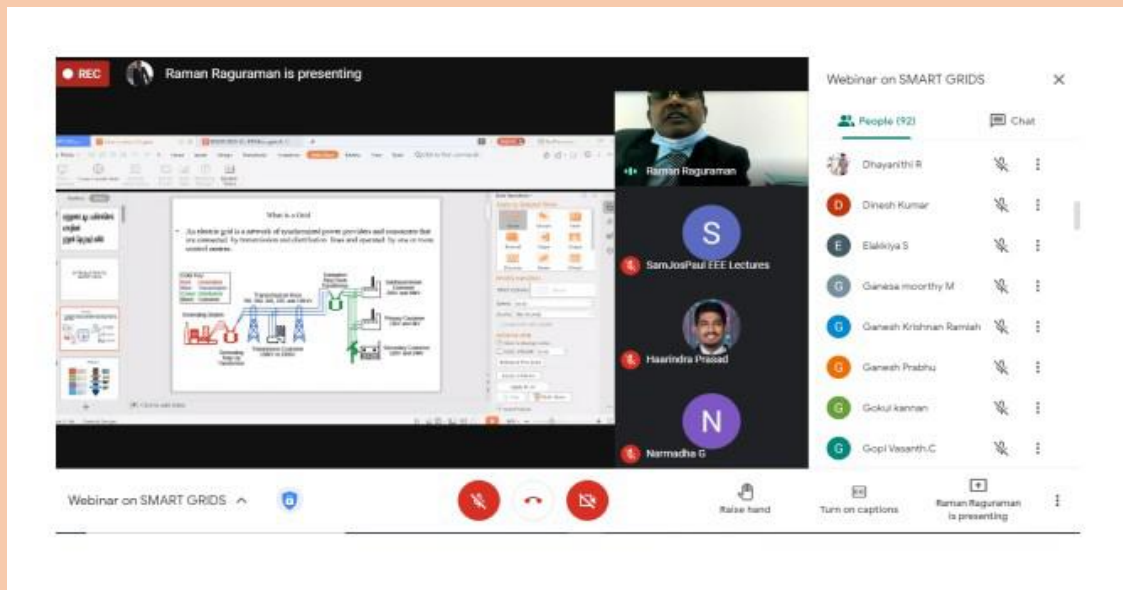
1. **Engineering knowledge:** Apply knowledge of mathematics, science, electrical and electronics engineering fundamentals to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyse complex electrical and electronics engineering 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.

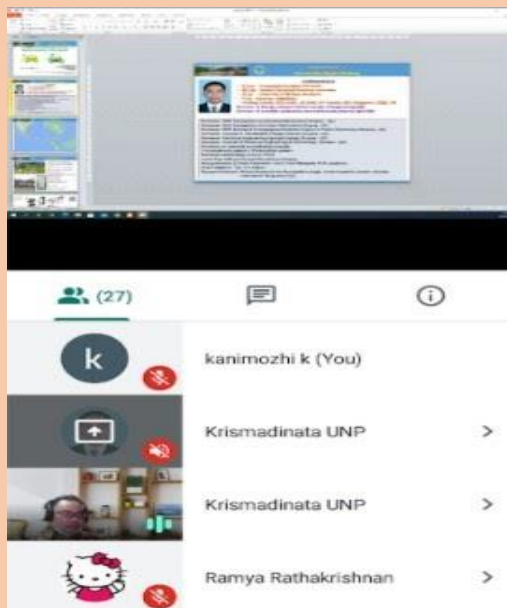
PSO 2: Design and analyse power electronic interfaces for renewable energy systems

Guest lecture on “SMART GRIDS”



The Department of Electrical and Electronics Engineering organized an online Webinar on the topic “SMART GRID” on 04.05.2021 for the students of the EEE department. Our Head of the Department **Dr.A.Srinivasan** delivered the welcome address. The Program was convened by **Dr.B.Meenakshi Sundaram**, Professor-PG Head/EEE, **Dr.G.Soundra Devi** Prof/EEE and **Dr.J.Rahila** Asso.Prof/EEE, The Program was coordinated by **Mr.T.Harish Babu** Ass.Prof/EEE, **Mr.Shed Abdul Haq** Ass.Prof/EEE and **Dr.G.Narmadha** Associate Professor/EEE. The lecture was delivered by **Mr.Raman Raguraman** Deputy Dean/FECT from Aimst university Malaysia taught the students about how smart grid system works.

Guest lecture on “Efficient Control Method for On-Board Bidirectional converter in Electrical Vehicle”



SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
(Affiliated to Anna University, Chennai and Approved by AICTE-New Delhi)
Pulloor-626 115, Kariyapatti, Virudhunagar Dt.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ORGANIZING WEBINAR ON
An Efficient Control Method for On-board Bidirectional
Converter in Electric Vehicle
E-Certificate Will be Provided

Dr. Ir. Krismadinata
Department of Electrical Engineering
Faculty of Engineering
Universitas Negeri Padang, Indonesia

Registration Link
<https://forms.gle/3662ixMevvxxRTWt5>

Convener
Dr.A.Srinivasan HOD/EEE

Google Meet Link
<https://meet.google.com/vjp-swgi-fbd>

PATRONS

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Founder & Chairman

Dr.A.Senthil Kumar
Principal

Mr.S.M.Seeni Mohaideen
Chief Executive Officer

Mr.S.M.Seeni Mohamed Aliar Marakkayar
Joint Chief Executive Officer

Ms.S.M.Nilofer Fathima
Director – Administration

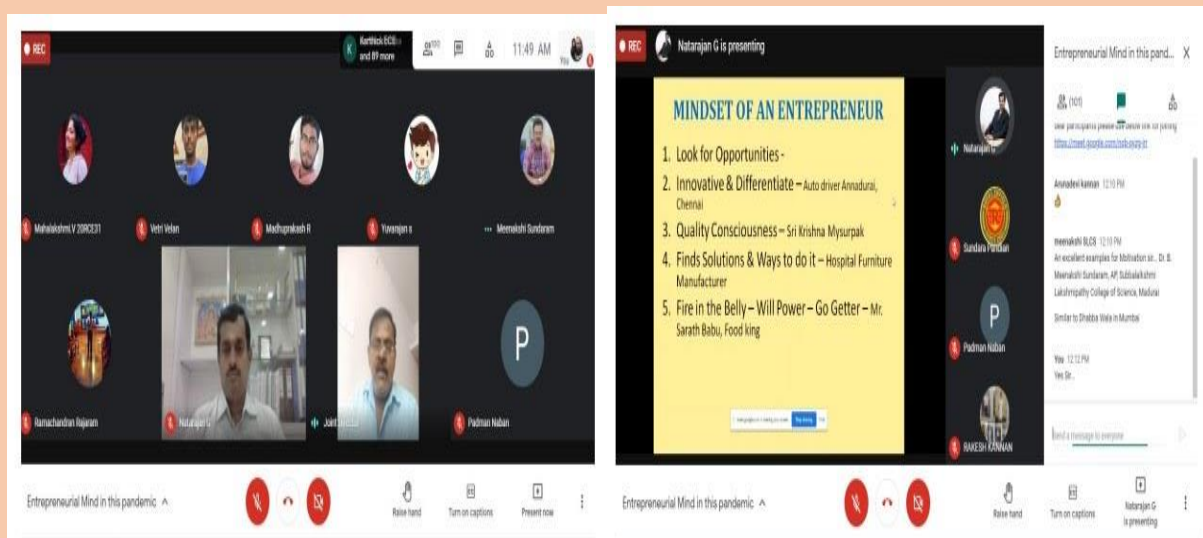
Ms.S.M.Nazia Fathima
Director – R&D

Faculty Co-Ordinators
Dr. K. Kanimozhi Professor/EEE
Ms.V.S.Chitra Assistant Prof/EEE
Ms.R.S. Bharathi Assistant Prof/EEE
Ms.V. Vaishnavi Assistant Prof/EEE

Date 13.01.2021 Time 4.00pm to 5.00pm

Our Department of Electrical and Electronics Engineering organized an online Webinar on the topic **“Efficient Control Method for on-Board Bidirectional Converter in Electrical Vehicle”** on **13.01.2021** for the students of the EEE department. The Program was convened by **Dr.A.Srinivasan**, Professor/Head. The Program was coordinated by **Dr.K.Kanimozhi** Professor/EEE, **Ms.V.S.Chitra** Assistant Professor/EEE, **Ms.V.Vaishnavi** Assistant Professor/EEE, and **Ms.R.S.Bharathi** Assistant Professor/EEE. The webinar was presented by **Dr.Ir.Krismadinata** Department of Electrical Engineering, Universitas Negeri Padang, Indonesia.

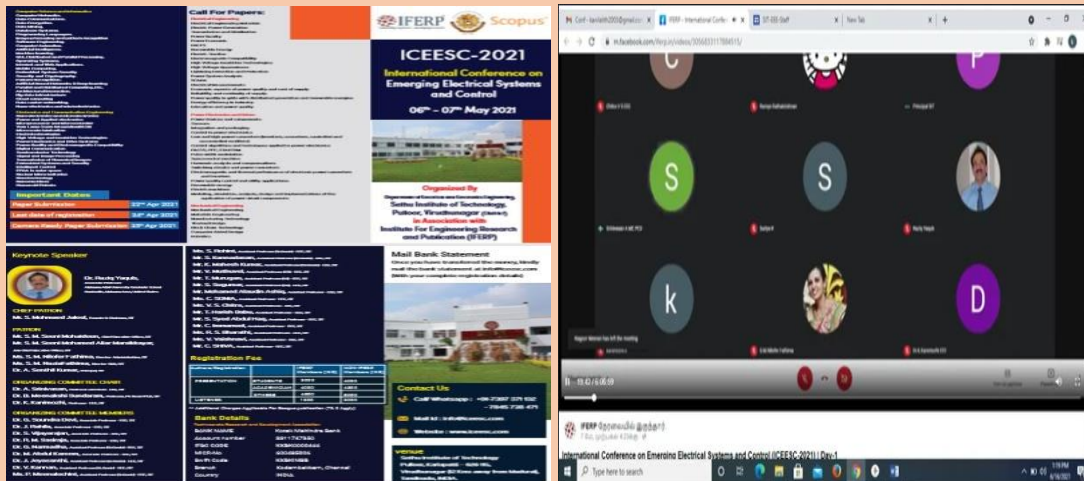
Guest lecture on “Entrepreneurial Mind in this Pandemic”



Department of Electrical and Electronics Engineering along with EDC cell organized an online Webinar on the topic **“Entrepreneurial Mind in this Pandemic”** on **04.06.2021** for the students of EEE department. The Program was convened by **Dr.B.Meenakshi Sundaram** Professor & PG Head /EEE, The Program was coordinated by **Mr.Shed Abdul Haq** Assistant Professor/EEE, **Dr.R.Karthick** Assistant Professor(Sr.Gr)/ECE. The webinar speech was delivered by **Dr.G.Natarajan** Sr.Manager Training & Development, Apollo Hospital Pharmacy Division, Chennai.

International Conference on “Emerging Electrical System and Control”

Department of Electrical and Electronics Engineering organized an Online Conference on the topic **“Emerging Electrical System and Control”** from **6.05.2021 to 7.05.2021** for faculty and students. The Program was convened by Our Head of the Department **Dr.A.Srinivasan** and co convened by **Dr.B.Meenakshi Sundaram** Professor & PG Head /EEE, The Program was coordinated by **Dr.K.Kanimozhi** Professor/EEE, **Ms.V.S.Chitra** Assistant Professor/EEE, **Ms.V.Vaishnavi** Assistant Professor/EEE and **Ms.R.S.Bharathi** Assistant Professor/EEE. In this conference the speech related to “Emerging Electrical System and Control” was presented by **Dr.Raziq Yaqub** Assistant Professor Alabama A&M University Graduate School Huntsville, Alambama, USA and **Dr.D.P.Kothari** Director Research and Professor, S.B.Jain Institute of Management, Research and Development, Nagpur.



Department Symposium on “Electroz Eve 2021”

The Department of Electrical and Electronics Engineering organized a symposium on the title “**Electroz Eve**” in **21.12.2021** for our college students. Our Head of the Department **Dr.A.Srinivasan** and **Dr.B.Meenakshi Sundaram** PG Program Head Convened the program. The Program was coordinated by **Dr.S.Vijayarajan** Associate Professor/EEE and **Dr.G.Narmatha** Associate Professor/EEE. The symposium has both technical and non-technical events.



Guest lecture on “Design of Control Circuit with PSO for choosing best Switching angle for Cascaded MLI”

Department of Electrical and Electronics Engineering organized an online Webinar on the topic “**Design of Control Circuit with PSO for choosing best Switching angle for Cascaded MLI**” on **17.12.2021** for the students of EEE department. The Program was covered by our Head of the Department **Dr.A.Srinivasan** and co covered by **Dr.B.Meenakshi Sundaram** Professor & PG Head/EEE, **Dr.G.Soundra Devi** Professor/EEE, The Program was coordinated by **Dr.J.Jeyashanthi** Associate Professor/EEE, **Mrs.P.Meenalochini**, Assistant Professor(Sr.Gr)/EEE and **Dr.G.Narmatha** Associate Professor/EEE, **Mr.S.Kannadasan** Assistant Professor (Sr.Gr)/EEE. The guest was **Dr.Siva Ganesh Malla**, Director CPGC Pvt. Ltd Visakhapatnam, Andhrapradesh deliver the lecture.

Sethu Institute of Technology
Department of Electrical and Electronics Engineering Organizes
AN ONLINE WEBINAR ON
Design of control circuit with PSO for choosing best switching angle for cascaded MLI

DATE & TIME
17.12.2021
2:45 PM to 4:15 PM

DR. SIVA GANESH MALLA
Director, CPQC Pvt. Ltd
Visakhapatnam
Andhra Pradesh

Registration Link
<https://forms.gle/ALZpsswWbY0G>

Google MEET Link
<https://meet.google.com/ufk-ypag-ctm>

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Mr. S. Mohan Kumar, Founder & Chairman
Mr. M. Srinivasan, Director
Mr. G. Mohan Kumar, Director
Mr. S. Mohan Kumar, Director
Mr. S. Mohan Kumar, Director
Mr. S. Mohan Kumar, Director

CONVENOR
Dr. A. Srinivasan, Prof. Head / EEE

CO-CONVENOR
Dr. S. Mohan Kumar, Director / EEE
Dr. S. Mohan Kumar, Director / EEE

STAFF CO-ORDINATORS
Dr. J. Jayaraman, Asst. Prof / EEE
Dr. G. Mohan Kumar, Asst. Prof / EEE
Mr. P. Mohan Kumar, Asst. Prof / EEE
Mr. S. Mohan Kumar, Asst. Prof / EEE

STUDENT CO-ORDINATORS
Mr. A. Srinivasan, Pr / EEE
Mr. S. Mohan Kumar, Pr / EEE
Mr. R. Mohan Kumar, Pr / EEE



Guest lecture on “Effective Money Management during Pandemic”

Ministry of Education
SETHU INSTITUTE OF TECHNOLOGY
(AN AUTONOMOUS INSTITUTION | ACCREDITED WITH 'A' GRADE BY MAAC)
PULLOOR, KARIAPATTI - 626115, VIRUDHUNAGAR (DIST), TAMILNADU, INDIA.

LIVE WEBINAR
EFFECTIVE MONEY MANAGEMENT DURING PANDEMIC

Mr. C. Rathina Balaji
Founder & CEO
STARSUN Money Harvest

DATE : 25.06.2021
TIME : 11.00 a.m. to 12.00 noon.

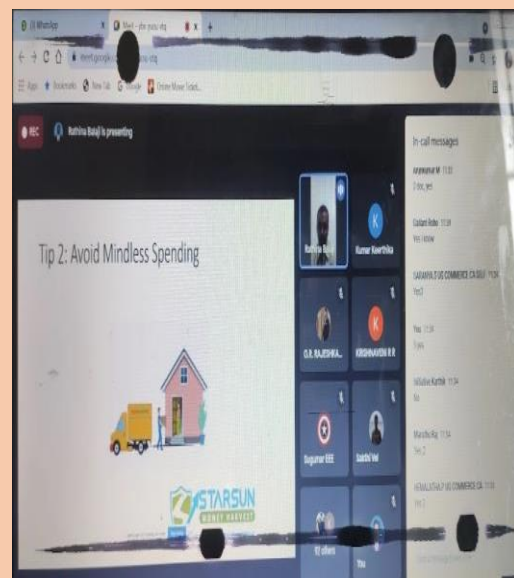
Forms Link:
<https://forms.gle/FGULhTN7cEBDbz7Q8>

Convener
Dr. A. Srinivasan
Professor & Head / EEE

Coordinators
Dr. R. M. Sasiraja, ASP / EEE
Coordinator – UBA

Organisers
Mr. T. Murugan, AP(SG) / EEE
Mr. S. Sugumar, AP(SG) / EEE

Patrons
Mr. S. Mohamed Jaleel
Founder & Chairman
Mr. S. M. Seeni Mohaideen
Chief Executive Officer
Mr. S. M. Seeni Mohamed Aliar Maraiikkayar
Joint Chief Executive Officer
Ms. S. M. Nilofar Fathima
Director - Administration
Ms. S. M. Nazia Fathima
Director - R&D
Dr. A. Senthil Kumar
Principal
Dr. G. D. Sivakumar
Vice Principal



Department of Electrical and Electronics Engineering organized an Online Webinar on the topic “Effective Money Management during Pandemic” on 25.06.2021 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 (Sr.Gr)/EEE and **Mr. S. Sugumar** Assistant Professor (Sr. Gr)/EEE. The webinar was presented by **Mr. C. Rathina Balaji** Founder and CEO of Starsun Money Harvest. He teaches about the Effective money management during pandemic period.

Special Lectures Delivered by Faculty

Name of the Faculty	Date	Lecture Topic	Name of the College in which lecture delivered
Dr.S.Vijayarajan	11/30/2021	Role of IOT in Automation	M.E.T Engineering College
Dr.S.Vijayarajan	11/18/2021	Role of IOT in Automation	Thamirabharani Engineering College
Dr.S.Vijayarajan	09/23/2021	IOT for Electrical Automation	Swodambika College of Engineering
Dr.R.M.Sasiraja	12/22/2021	Energy Audit and Management	Sri Sowdambika College of Engineering, Aruppukkottai
Mrs.P.Meenalochini	06/13/2021	Career Guidance and Employability for Young Generations	Chadalawada Ramanamma Engineering College, Anthra Pradesh

COCURRICULAR ACTIVITIES OF STUDENT

S.NO	Name of the Student	Name of the Event	Title of the Event	Venue	Price
1	Mathan Kumar T	Project	IRTT	ECE dept ,IRTT alumini association,erode	1st price 1500
2	Jeyakumar M	Project	IRTT	ECE dept ,IRTT alumini association,erode	
3	Mohammed Asraf M	Project	IRTT	ECE dept ,IRTT alumini association,erode	
4	Dinesh K	Project	IRTT	ECE dept ,IRTT alumini association,erode	
5	Vetrivel G	Project	IRTT	ECE dept ,IRTT alumini association,erode	2nd Price 1000
6	Karthik Selvam S	Project	IRTT	ECE dept ,IRTT alumini association,erode	
7	Manoj T	Project	IRTT	ECE dept ,IRTT alumini association,erode	

S.no	Student Name	Name of the Event	Title of the Event	Organizer	Position
1	Mano Priya M	Certificate Course	Python For Data Science	Ibm Developer Skills Network	Course Completed
2	Aafrin Begum J	Certificate Course	Amplifiers In Electronics	Europe Academy	Course Completed
3	Alagarsamy P	Webinar	null	Sethu Institute of Technology	Participated
4	Alagarsamy P	Webinar	Webinar	Sethu Institute of Technology	Participated
5	Alagarsamy P	Webinar	Entrepreneurial Mind in This Pandemic	Sethu Institute of Technology	Participated

6	Alagarsamy T	Webinar	Engineers Raise Post Covid	Sethu Institute of Technology	Participated
7	Alagarsamy T	Webinar	Benefits Of Ishrae Membership and Career Opportunities	Ishrae Madurai Chapter	Participated
8	Alagarsamy T	Webinar	Entrepreneurial Mind in This Pandemic	Madurai Kamaraj University - Entrepreneurship Development Cell	Participated
9	Dharshan G	Webinar	Webinar	Sethu Institute of Technology	Participated
10	Dharshan G	Webinar	Webinar	Sethu Institute of Technology	Participated
11	Dharshan G	Online Quiz	Work Shop	Sethu Institute of Technology	Participated
12	Dharshan G	Webinar	null	Sethu Institute of Technology	Participated
13	Elakkiya S	Webinar	Entrepreneurial Mind in This Pandemic	Sethu Institute of Technology	Participated
14	Elakkiya S	Online Quiz	Exploring India 'S Wildlife and National Heritage	My Govt of India	Participated
15	Elakkiya S	Webinar	Effective Money Management During Pandemic	Sethu Institute of Technology	Participated
16	Elakkiya S	Online Quiz	Dekho Apna DESH Webinar	My Govt of India	Participated
17	Elakkiya S	Webinar	Cloud Adoption Revolutionise the Digital Era	Sethu Institute of Technology	Participated
18	Elakkiya S	Webinar	Nurturing Social Entrepreneurship	Sethu Institute of Technology	Participated
19	Elakkiya S	Webinar	Recent Research Project In ISRO	Sethu Institute of Technology	Participated
20	Elakkiya S	Online Quiz	PCRA Conservation Quiz	My Govt of India	Participated
21	Elakkiya S	Internship Training	Internship Training	Knowteq Automations	Course Completed
22	Elakkiya S	Online Quiz	Labour Codes	My Government of India	Participated
23	Elakkiya S	Online Quiz	Skill India For a New India	My Govt of India	Participated

24	Imran Ali A	Webinar	null	Sethu Institute of Technology	Participated
25	Imran Ali A	Webinar	null	Sethu Institute of Technology	Participated
26	Mathan Kumar T	Online Quiz	Cyber Security Awareness Quiz	My government	Participated
27	Mohamed Rahumathulla Z	Webinar	Entrepreneurial Mind in The Pandemic	Sethu Institute of Technology	Participated
28	Mohamed Rahumathulla Z	Webinar	Effective Money Management During Pandemic	Sethu Institute of Technology	Participated
29	Mohamed Rahumathulla Z	Webinar	Cloud Adoption Revolutionise the Digital Era	Sethu Institute of Technology	Participated
30	Mohamed Rahumathulla Z	Webinar	Art Of Writing and Publishing Effective Research Paper in Journals and Conferences	Sethu Institute of Technology	Participated
31	Mohammed Asraf M	Internship Training	Knowteq Automation	Sethu Institute of Technology	Trained
32	Amirtharaj S	Webinar	Effective Money Management Participation	Sethu Institute of Technology	Participated
33	Amirtharaj S	Webinar	Resent Research Project In ISRO	Sethu Institute of Technology	Participated
34	Amirtharaj S	Webinar	Entrepreneurial Mind in This Pandemic	Sethu Institute of Technology	Participated
35	Amirtharaj S	Webinar	Nurturing Social Entrepreneurship Culture	Sethu Institute of Technology	Participated
36	Amirtharaj S	Webinar	Art Of Writing and Publishing Effective Research Paper In Journal And Conference	Sethu Institute of Technology	Participated
37	Jeyakumar M	Internship Training	Internship	Knowteq Automations	Trained
38	Jeyakumar M	Internship Training	Internship	Knowteq Automations	Trained
39	Ajay S	Webinar	Operation & Maintenance of Substation	Sethu Institute of Technology	Participated
40	Ajay S	Webinar	Art Of Writing and Publishing Effective Research Paper In Journals And Conferences	Sethu Institute of Technology	Participated

41	Ajay S	Webinar	Engineers Raise Post Covid	Sethu Institute of Technology	Participated
42	Ajay S	Webinar	Entrepreneurial Mind In This Pandemic	Sethu Institute of Technology	Participated
43	Ajay S	Webinar	Effective Money Management During Pandemic	Sethu Institute of Technology	Participated
44	Ajay S	Webinar	Cloud Adoption Revolutionise The Digital Era	Sethu Institute of Technology	Participated
45	Arjun M	Webinar	Art Of Writing And Publishing Effective Research Paper In Journals And Conference	Sethu Institute of Technology	Participated
46	Arjun M	Webinar	Entrepreneurship Mind In This Pandemic	Sethu Institute of Technology	Participated
47	Arjun M	Webinar	Operation And Maintenance Of Substation	Sethu Institute of Technology	Participated
48	Arvind K	Webinar	Effective Money Management During Pandemic	Sethu Institute of Technology	Attended
49	Arvind K	Webinar	Engineers Raise Post Covid	Sethu Institute of Technology	Attended
50	Arvind K	Webinar	Operation & Maintenance Of Substation	Sethu Institute of Technology	Attended
51	Arvind K	Webinar	Cloud Adoption Revolutionise The Digital Era	Sethu Institute of Technology	Attended
52	Arvind K	Webinar	Entrepreneurial Mind In This Pandemic	Sethu Institute of Technology	Attended
53	Deepakraja N	Webinar	Entrepreneurial Mind In This Pandemic	Sethu Institute of Technology	Participated
54	Deepakraja N	Webinar	Art Of Writing And Publishing Effective Research Paper In Journals And Conference	Sethu Institute of Technology	Participated
55	Deepakraja N	Webinar	Engineer'S Raise Post Covid	Sethu Institute of Technology	Participated
56	Deepakraja N	Webinar	Operation & Maintenance of Substation	Sethu Institute of Technology	Participated
57	Dhayanithi R	Webinar	"Machine Learning in Communication and Network - A Research Perspective"	Sethu Institute of Technology	Participated

58	Dhayanithi R	Webinar	"Cloud Adoption Revolutionise the Digital Era"	Sethu Institute of Technology	Participated
59	Dhayanithi R	Webinar	"Research Avenues in Antenna Designs"	Sethu Institute of Technology	Participated
60	Dhayanithi R	Webinar	Art Of Writing and Publishing Effective Research Paper in Journals and Conferences	Sethu Institute of Technology	Participated
61	Dinesh Kumar @ Thanush T	Webinar	Entrepreneurship Mind in Pandemic	Sethu Institute of Technology	Participated
62	Dinesh Kumar @ Thanush T	Webinar	Unnat Bharat Abhiyan (Uba)	Sethu Institute of Technology	Participated
63	Dinesh Kumar @ Thanush T	Webinar	Art Of Writing and Publishing Effective Research Journal Paper. And Conference	Sethu Institute of Technology	Participated
64	Dinesh Kumar @ Thanush T	Webinar	Operation And Maintenance of Substion	Sethu Institute of Technology	Participated
65	Dinesh Kumar @ Thanush T	Webinar	Cloud Adoption Revolution Digital Era	Sethu Institute of Technology	Participated
66	Dinesh Kumar @ Thanush T	Webinar	Engineers Raise Post Covid	Sethu Institute of Technology	Participated
67	Dinesh Kumar @ Thanush T	Webinar	Entrepreneurship Development Cell	Sethu Institute of Technology	Participated
68	Ifrath Sadeeka K	Webinar	Entrepreneurial Mind on This Pandemic	Sethu Institute of Technology	Participated
69	Ifrath Sadeeka K	Webinar	Nurturing Social Entrepreneurship Culture	Sethu Institute of Technology	Attended
70	Ifrath Sadeeka K	Webinar	Cloud Adoption Revolutionise the Digital Era	Sethu Institute of Technology	Attended

FDPs/ seminars, webinars and Workshops attended by faculty

S.No	Name	Organizer	From Date	To Date	Name Of the Program
1	Sugumar S	Sethu Institute of Technology	13-Jan-2021	13-Jan-2021	Efficient Control Method for On-Board Bidirectional Converter
2	Dr.V.Kannan	Sethu Institute of Technology	12-Jan-2021	12-Jan-2021	Emerging Materials for Solar Energy Conversion
3	Dr.Kannan.V	Motilal Nehru National Institute of Technology	22-Jan-2021	26-Jan-2021	Machine Learning in Vision and IOT (Mlvi-2021)
4	Dr.Kannan.V	Coimbatore Institute of	23-Jan-2021	24-Jan-2021	Workshop On Hands on

		Technology			Training on Development Of E-Content (Moodle) & Educational Video Creation
5	Dr.Kannan.V	Sethu Institute of Technology	1/27/2021	1/27/2021	Supercapacitor-The Modern Society Needs Power
6	Dr.V.Kannan	Easwari Engineering College,	1/5/2021	1/9/2021	"Internet Of Things and Applications In 5g
7	Dr.V.Kannan	Sethu Institute of Technology	2/10/2021	2/10/2021	Emerging Trends in Advanced Engineering Materials
8	Dr.V.Kannan	Sethu Institute of Technology	2/10/2021	2/10/2021	Ipr And Patent Filing Strategies"
9	Dr.K.Kanimozhi K	Velammal Institute of Technology	01-Apr-2021	01-Sep-2021	Assessment In Engineering Education a Pedagogical Approach
10	Dr.Kanimozhi K	Sethu Institute of Technology	27-Jan-2021	27-Jan-2021	Super Capacitor the Modern Society Need Power
11	Kanimozhi K	Sethu Institute of Technology	04-May-2021	04-May-2021	Smart Grids
12	Kanimozhi K	Open Learn University	14-Feb-2021	26-Jan-2021	Systems Modelling
13	Syed Abdul Haq.S	Velalar College of Engineering and Technology	18-Jan-2021	23-Jan-2021	Solar Energy Conversion Systems: Technologies, Design and Applications
14	T.Harish Babu	Velalar College of Engineering and Technology	18-Jan-2021	23-Jan-2021	Solar Energy Conversion Systems: Technologies, Design and Applications
15	T.Harish Babu	Dr. Ngp Institute of Technology	18-Jan-2021	23-Jan-2021	Empowering The Moral Values, Ethics and Behavioral Attitude in Teaching Skills Among Teachers
16	T.Harish Babu	Arunai Engineering College	25-May-2021	25-May-2021	Challenges In Implementing IOT In Industries
17	T.Harish Babu	Institute of Aeronautical Engineering in Association with Pantech	24-Apr-2021	25-Apr-2021	Foundation Of Ai and Machine Learning
18	T.Harish Babu	Sns College of Technology	25-May-2021	25-May-2021	5g Technologies
19	T.Harish Babu	SRM Institute of Science and Technology	26-May-2021	26-May-2021	Workshop On Ar & Vr
20	T.Harish Babu	Latha Mathavan Engineering College	23-Jan-2021	23-Jan-2021	Basic Of Dc Micro Grid
21	T.Harish Babu	Sethu Institute of Technology	05-Feb-2021	05-Feb-2021	Coonect And Configure Network Devices Using Cisco Packet Tracer
22	T.Harish Babu	Sethu Institute of Technology	20-Jan-2021	20-Jan-2021	A New Wave of Online Teaching and English Communication
23	T.Harish Babu	Sethu Institute of Technology	12-Jan-2021	12-Jan-2021	Emerging Materials for Solar Energy Conversion

24	T.Harish Babu	Sethu Institute of Technology	10-Feb-2021	10-Feb-2021	Ipr And Patent Filing Strategies
25	T.Harish Babu	Sethu Institute of Technology	06-Jun-2021	06-Jun-2021	Entrepreneurial Mind in This Pandemic
26	T.Harish Babu	Sethu Institute of Technology	22-Jan-2021	22-Jan-2021	Intelligent Network
27	T.Harish Babu	Sethu Institute of Technology	27-Jan-2021	27-Jan-2021	Innovations In Neurotechnologies for Bci Applications
28	T.Harish Babu	Sethu Institute of Technology	27-Jan-2021	27-Jan-2021	Super Capacitor - The Modern Society Needs Power
29	T.Harish Babu	Sethu Institute of Technology	16-Apr-2021	16-Apr-2021	Electric Vehicles - The Future Automotive
30	T.Harish Babu	Nptel , lit Madras	17-May-2021	17-May-2021	Building Machine Learning Apps Rapidly
31	T.Harish Babu	Thiagarajar College of Engineering	18-Jan-2021	23-Jan-2021	Cyber Security in IOT Enabled Smart Grid -Online Series - 3
32	T.Harish Babu	Sethu Institute of Technology	20-Jan-2021	20-Jan-2021	An Efficient Control Method for On-Board Bidirectional Converter in Electric Vehicle
33	Syed Abdul Haq.S	Dr.N.G.P Institute of Technology	18-Jan-2021	23-Jan-2021	Empowering The Moral Values, Ethics and Behavioral Attitude in Teaching Skills Among Teachers
34	Syed Abdul Haq.S	Sethu Institute of Technology	04-May-2021	04-May-2021	Smart Grids
35	Syed Abdul Haq.S	Sethu Institute of Technology	05-Feb-2021	05-Feb-2021	Connect And Configure Network Devices Using Cisco Packet Tracer
36	Syed Abdul Haq.S	Sethu Institute of Technology	21-Jan-2021	21-Jan-2021	Digital Transformation in Health Care
37	Syed Abdul Haq.S	Sethu Institute of Technology	25-Jan-2021	25-Jan-2021	"Intelligent Engineering Optimization Using Pymoo
38	Syed Abdul Haq.S	Sethu Institute of Technology	30-Jan-2021	30-Jun-2021	Research Methodologies
39	Syed Abdul Haq.S	Sethu Institute of Technology	06-Jan-2021	06-Jan-2021	An Awesome Influence of Women in Hr - A Gender Challenge
40	Dr. Narmadha G	PSG Institute of Technology and Applied Research	10-Jun-2021	10-Jun-2021	Physical Design and Its Role in The Semiconductor Industry
41	Syed Abdul Haq.S	K.Ramakrishnan College Of Technology	04-Jun-2021	04-Jun-2021	House Wiring with Inverter Connections
42	Kanimozhi K	Sethu Institute of Technology and Iferp	06-May-2021	07-May-2021	International Conference on Emerging Electrical Systems and Control
43	Kanimozhi K	Sethu Institute of Technology and Iferp	06-May-2021	07-May-2021	International Conference on Emerging Electrical Systems and Control

44	Syed Abdul Haq.S	Ryan Publishers	02-Jan-2021	02-Jan-2021	Integrating Learning with Neurological Design of The Learner
45	Syed Abdul Haq.S	Amet Business School	04-Jun-2021	04-Jun-2021	Intellectual Property Rights
46	Syed Abdul Haq.S	Sethu Institute of Technology	29-Jan-2021	29-Jan-2021	Emerging Trends in Advanced Energy Materials
47	Kanimozhi K	IFERP	12-Feb-2021	12-Feb-2021	Scope Opportunities Challenges for E Vehicles in India
48	Syed Abdul Haq.S	Sethu Institute of Technology	21-May-2021	21-May-2021	Features And Reaches of Self-Compacting Concrete
49	Syed Abdul Haq.S	Sethu Institute of Technology	10-Feb-2021	10-Feb-2021	Ipr And Patent Filing Strategies
50	Syed Abdul Haq.S	Sethu Institute of Technology	21-Jan-2021	21-Jan-2021	Antenna Design to Fabrication
51	Syed Abdul Haq.S	Sethu Institute of Technology	30-Jan-2021	30-Jan-2021	Innovative Benefits of Vehicle Adhoc Network
52	Syed Abdul Haq.S	Sethu Institute of Technology	18-Jan-2021	18-Jan-2021	Future Trends in Fiber Optic Sensors
53	Syed Abdul Haq.S	Sethu Institute of Technology	29-Jan-2021	29-Jan-221	Design And Development of Mimo Antennas For 5g & Wireless Applications-A Research Perspective
54	Syed Abdul Haq.S	G.Pulla Reddy Engineering College (Autonomous)	19-Jan-2021	23-Jan-2021	Telemedicine
55	Syed Abdul Haq.S	National Institute of Technical Teachers Training and Research	01-Feb-2021	05-Feb-2021	Blended Learning and Flipped Classroom
56	Syed Abdul Haq.S	Sethu Institute of Technology	27-Jan-2021	27-Jan-2021	Innovations In Neurotechnologies for Bci Applications
57	Syed Abdul Haq.S	Sethu Institute of Technology	06-Feb-2021	06-Feb-2021	IOT For Industrial Applications-Potential and Challenges
58	Syed Abdul Haq.S	Sethu Institute of Technology	16-Apr-2021	16-Apr-2021	Electric Vehicles-The Future Automotive
59	Syed Abdul Haq.S	Sethu Institute of Technology	17-May-2021	17-May-2021	Building Machine Learning Apps Rapidly
60	Syed Abdul Haq.S	Karpaga Vinayaga College of Engineering and Technology	21-Apr-2021	21-Apr-2021	Digital Filter Design and Its Applications
61	Syed Abdul Haq.S	Infinite Desire Entrepreneurship Solutions	27-Apr-2021	27-Apr-2021	Govt. Schemes for Start-Up and Qualities to Become a Successful Entrepreneur".
62	Syed Abdul Haq.S	Sethu Institute of Technology	19-Mar-2021	19-Mar-2021	Efficient Control Method for On-Board Bidirectional Converter in Electric Vehicle
63	Syed Abdul Haq.S	Thiagarajar College of Engineering	18-Jan-2021	23-Jan-2021	"Cyber Security in IOT Enabled Smart Grid -Online Series - 3"

64	Syed Abdul Haq.S	Annapoorana Engineering College	23-Apr-2021	23-Apr-2021	Emerging Trends in Big Data
65	Dr.S.Vijayarajan	ATAL	07-Jun-2021	11-Jun-2021	Sensor Technology
66	Dr.S.Vijayarajan	ATAL	17-May-2021	21-May-2021	Energy Storage
67	Dr M Abdul Kareem	Sethu Institute of Technology	16-Apr-2021	16-Apr-2021	Electric Vehicles-The Future Automotive
68	Dr M Abdul Kareem	Dr Ngg Institute of Technology Coimbatore	19-Apr-2021	24-Apr-2021	Empowering The Moral Values, Ethics and Behavioral Attitude in Teaching Skills Among Teachers
69	Dr M Abdul Kareem	Sethu Institute of Tecnology Kariapatti	04-Apr-2021	04-Apr-2021	Smart Grids
70	V. Vaishnavi	Electronics & Ict Academy Supported By Ministry of Electronics And Information Technology (Meity), Govt. of India Indian Institute of Technology Guwahati	19-Apr-2021	30-Apr-2021	System Design Methodologies for Embedded, IOT, Ai and Hpc Using Intel Fpga
71	Dr M Abdul Kareem	College of Engineering Guindy, Anna University Chennai	04-May-2021	18-May-2021	Trends And Challenges in Power Converters Control
72	Dr.Jeyashanthi J	Sethu Institute of Technology	04-Jun-2021	04-Jun-2021	Entrepreneurial Mind in This Pandemic
73	Dr.Jeyashanthi J	Sethu Institute of Technology	10-Feb-2021	10-Feb-2021	IPR And Patent Filing Strategies
74	Dr.Jeyashanthi J	Velammal College of Engineering and Technology	15-Apr-2021	15-Apr-2021	IOT In Smart Grid
75	Dr.R.M.Sasiraja	Sethu Institute of Technology	22-Jun-2021	22-Jun-2021	Engineers Raise Post Covid
76	Dr.R.M.Sasiraja	Unnat Bharat Abhiyan , Sethu Institute Of Technology	25-Jun-2021	25-Jun-2021	Effective Money Management During Pandemic
77	Dr.R.M.Sasiraja	Sethu Institute of Technolog	25-Jun-2021	25-Jun-2021	Recent Research Projects In ISRO
78	Dr.R.M.Sasiraja	Sethu Institute of Technology	27-Jun-2021	27-Jun-2021	Art Of Writing and Publishing Effective Research Paper in Journals and Conferences
79	P. Meenalochini	AICTE	8/9/2021	8/13/2021	Atal Aicte Sponsored FDP
80	Dr.S.Vijayarajan	ATAL	11/15/2021	11/19/2021	Hands On Training with Industrial Automation Systems
81	Dr.S.Vijayarajan	ATAL	7/12/2021	7/19/2021	"Recent Advancement in Artificial Intelligence
82	Mr.V.Muthuvel	Aicte Training and Learning Academy ATAL	2/1/2021	2/5/2021	Energy Storage

83	P.Meenalochini	AICTE	10/18/2021	10/20/2021	Toycathon 2021
84	P.Meenalochini	AICTE	8/9/2021	8/13/2021	Artificial Intelligence in The Energy Sector
85	Dr. J.Jeyashanthi	Sethu Institute of Technology	12/28/2021	12/28/2021	It's Your Life - It's Now or Never
86	Dr. J.Jeyashanthi	Sethu Institute of Technology	12/17/2021	12/17/2021	Design Of Control Circuit with PSO For MLI Using Matlab
87	Dr. J.Jeyashanthi	Sethu Institute of Technology	6/4/2021	6/4/2021	Entrepreneurial Mind in This Pandemic
88	Dr. J.Jeyashanthi	Mepco Schlenk Engineering College (Autonomous)	12/2/2021	12/4/2021	Machine Learning Solutions for Image Processing Applications Using Python

List of quality publications in refereed/SCI Journals by faculty

- **Dr.A.Srinivasan.**, S. Devakirubakaran., **Dr.B. Meenakshi Sundaram.**, Praveen Kumar Balachandran.,Santhan Kumar Cherukuri.,D. Prince Winston.,Thanikanti Sudhakar Babu.,"L-Shape Propagated Array Configuration With Dynamic Reconfiguration Algorithm for Enhancing Energy Conversion Rate of Partial Shaded Photovoltaic Systems," in IEEE Access, vol. 9, pp. 97661-97674, 2021, doi: 10.1109/ACCESS.2021.3094736.
- C.Krithika Kamalam, **Dr.J.Rahila** , **Dr.G.Soundradevi**,"A Novel Bidirectional Electric-Drive-Reconstructed Onboard ANN Controlled Converter For Electric Vehicles" SSRG International Journal of Electrical and Electronics Engineering 8.7 (2021),Volume 8 Issue 7,ISSN: 2348 – 8379 /doi:10.14445/23488379/IJEEE-V8I7P101
- **Dr.R.M.Sasiraja** ,J. D. Abraham and D. P. Winston, "Quality Span Prediction (QSP) of Solar Photovoltaic Panels," 2021 Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV), 2021, pp. 619-628, doi:10.1109/ICICV50876.2021.9388537.
- **Dr.G.Narmadha**, M Malathi, S Ashok Kumar, T Shanmuganantham, S Deivasigamani,"Performance of implantable antenna at ISM band characteristics for biomedical base",<https://doi.org/10.1016/j.ict.2021.05.009>
- **Dr.G.Narmadha**,Dr. S. Deivasigamani, Dr. K. Balasubadra,Mr.M.Selvaraj, "A LOW POWER AND HIGH SPEED APPROXIMATE ADDER FOR IMAGE PROCESSING APPLICATIONS",
<https://doi.org/10.36909/jer.10037>
- Barsana Banu J., Nammalvar P., **Dr.Jeyashanthi J.**, Kannan V. (2021: Volume 25: Issue 5). Implementation of Direct Current Control Strategy For PWM Rectifier Under Unbalanced Input Voltage Circumstances. Annals of theRomanian Society for Cell Biology, 1499–1507. Retrieved from <https://www.annalsofrscb.ro/index.php/journal/article/view/4596>
- Banu J.B., **Dr.Jeyashanthi J** & Ansari, A.T. DTC-IM drive using adaptive neuro fuzzy inference strategy with multilevel inverter. J Ambient Intell Human Comput (2021).
<https://doi.org/10.1007/s12652-021-03244-3>
- Dhanabalan G., **Murugan T.**, (2021) FPGA Design of SAR Type ADC Based Analog Input Module for Industrial Applications. In: Patel Z., Gupta S., Kumar Y. B. N. (eds) Advances in VLSI and Embedded Systems. Lecture Notes in Electrical Engineering, vol 676. Springer, Singapore. https://doi.org/10.1007/978-981-15-6229-7_8
- **S. Syed Abdul Haq**, R.Jeya Rohini, **P. Meenalochini**, K. Jeyakanth, **C. Immanuel**, **T. HarishBabu**, A sinusoidal pulse width modulation (SPWM) technique for capacitor voltage balancing of nested I-type four-level inverter, Materials Today: Proceedings,Volume 45, Part 2,2021,Pages 2435-2439,ISSN2214-

53,<https://doi.org/10.1016/j.matpr.2020.11.014>.<https://www.sciencedirect.com/science/article/pii/S2214785320385886>

- **P. Meenalochini**, E. Sakthivel, An efficient GBDTRSO control strategy for PV connected H-Bridge Nine Level MLI System with quasi-Z-source inverter, Applied Soft Computing, Volume 113, Part B, 2021, 108026, ISSN 1568-4946, <https://doi.org/10.1016/j.asoc.2021.108026>. <https://www.sciencedirect.com/science/article/pii/S1568494621009480>
- R Karthick, **Meenalochini Pandi.**, M. Sheik Dawood, A. Manoj Prabakaran, P. Selvaprassanth (2021). ADHAAR: A reliable Data Hiding techniques with (NNP2) Algorithmic Approach using X-ray images. 3C Tecnología. Glosas de innovación aplicadas a la pyme, Edición Especial, (noviembre, 2021), 597-609. <https://doi.org/10.17993/3ctecno.2021.specialissue8.597-609>
- C. Kalavalli, **P. Meenalochini**, P. Selvaprassanth, **S. Syed Abdul Haq**, Dual loop control for single phase PWM inverter for distributed generation, Materials Today: Proceedings, Volume 45, Part 2, 2021, Pages 2216-2219, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2020.10.116>. <https://www.sciencedirect.com/science/article/pii/S221478532037694X>

PATENTS APPLIED

S.No	Patent	Jurisdiction	Inventor's Name	Year of Application	Year of Grant
1	Smart recycle lithium ion battery technology for	Indian Pattern	Dr.S.Vijayarajan	2021	2021 Published
2	Low cost virus free air circulator for PPE	Indian Pattern	Dr.S.Vijayarajan	2021	2021 Published
3	IOT based Smart hybrid grid energy system with energy	Indian Patent	Mrs.P.Meenalochini	2021	2021 Published
4	Intelligent Connectivity Driving Using Vehicular Ad	Indian Patent	Mrs.P.Meenalochini	2021	2021 Published
5	A Wireless Interactive IOT Service Robots For Smart Home	Indian Patent	Mrs.P.Meenalochini	2021	2021 Published

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)

Congratulations!!!

- We the Department of Electrical and Electronics Engineering congratulate **Dr.A.Srinivasan**, Professor & Head/EEE, Principal Investigator and **Dr.B.Meenakshi Sundaram**, Professor & PG Head/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 Reconfiguration Scheme
- We congratulate our head of the department **Dr.A.Srinivasan** for his exceptional contribution as a Primary Evaluator in Toycathon 2021
- We congratulate **Dr.B.Meenakshi Sundaram** Professor & PG Head/EEE for his contribution as National Advisory Committee Member in ICSCIT -2021 organized by Cheran college of Engineering, Karur.
- We congratulate **Dr.G.Narmatha** Associate Professor/EEE for his exceptional contribution as a Primary Evaluator in Toycathon 2021
- We congratulate **Mrs.P.Meenalochini** Assistant Professor/EEE for his exceptional contribution as a Primary Evaluator in in Toycathon 2021

NPTEL-2021 BATCH

S.NO	NAME	COURSE	CATEGORY
1	Mathan Kumar T	Problem solving through Programming In C	Completed
2	Elakkiya S	Problem solving through Programming In C	Completed
3	Vidhya Lakshmi S	Problem solving through Programming In C	Completed
4	Yogeshwari A	Problem solving through Programming In C	Completed

JAN 2021 - DEC 2021 BATCH EEE PLACED STUDENTS LIST

Sl.No.	Student Name	Name Of the Employer
1	Aarthy S	Cognizant
2	Abhi Loshini S	Focus Edumatic
3	Ajith T	Focus Edumatic
4	Akash Sundar R	Hcl
5	Akilesh S	Focus Edumatic
6	Angel Anisha N	Hcl
7	Athilaksmi S	Cognizant
8	Chitrakala M	Hcl
9	Deepak B	Focus Edumatic
10	Dineshmuthu I	Focus Edumatic
11	Francisarockiyasamy.F	Focus Edumatic
12	Gajavel Surya M	Focus Edumatic

13	Gnanaguru K	Castwel Auto
14	Hari Krishnan R M	Focus Edumatic
15	Hariharan.M	Focus Edumatic
16	Harishbabu.T.P	Byju's
17	S. Jayasurya	Focus Edumatic
18	Jeya Suriya D	Castwel Auto
		Focus Edumatic
19	Kavithalakshmi C	Aim Strom
20	Maheshwari P	Focus Edumatic
		Hcl
21	Mano Priya M	Chainsys
		Infosys
22	Muthu Pandi B	Focus Edumatic
23	Naveenkumar M	Focus Edumatic
24	Rakesh Kannan M	Castwel Auto
		Focus Edumatic
25	Sakthi Nishanth V S	Castwel Auto
		Focus Edumatic
26	Sathish A	Ababil
		Aim Strom
27	Shantharam B	Atos
28	Sivakumar K	Ababil
29	Midhun Chandran C	Aim Strom
30	Surya Kumar K	Byju's
31	Vasim Khan S	Ababil
		Sugi Infotech

Review Contribution of our Faculty:

S.No	Faculty Name	Journal Name	Number of Articles Reviewed
1	Dr.G.Narmadha	International Journal of Electronics	1
		Circuits, Systems and Signal Processing	1
		International Journal of Communication Systems	1
2	Mrs.P.Meenalochini	IEEE Transactions on Power Electronics	1
		Materials Today Proceedings	5
		Materials Today Proceedings	5

Advisory Committee



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Mr.S.Sugumar Asst.Prof(Sr.Gr)

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Ms.K.Keerthika (III Year/EEE)

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Mr.T.Mathan Kumar (IV Year/EEE)



Ms.S.Elakkiya (IV Year/EEE)