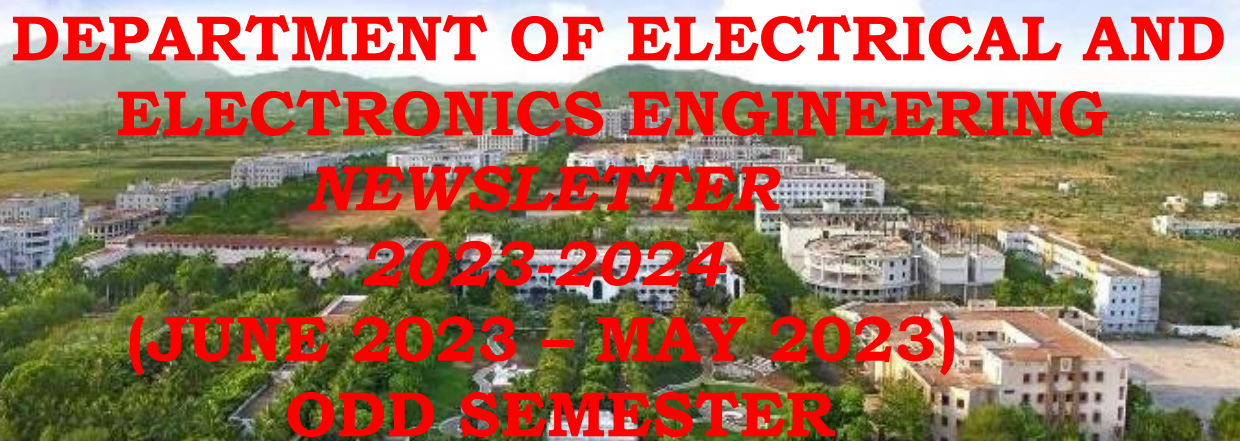


DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE



(AUTONOMOUS)
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Re-Accredited with 'A' Grade by NAAC, Accredited by TCS.
Re-Accredited by NBA (BME, ECE & EEE)
PERAMBALUR - 621 212



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING NEWSLETTER 2023-2024 (JUNE 2023 - MAY 2023) ODD SEMESTER

VOLTZ Reader

Editor-In-Chief: Dr.K.Anbarasan, Professor-EEE, Dean Academics

Editor: Dr.M.Parameswari, Professor & Head/EEE



Dear Readers,

It is with great pleasure and enthusiasm that we present to you the latest edition of the Dhanalakshmi Srinivasan Engineering College (DSEC) Newsletter – DSEC TIMES 2023. As we navigate the ever-changing landscape of education, we remain committed to our core values of excellence, integrity, and inclusivity. The DSEC Newsletter serves as a window into our vibrant community, showcasing the achievements and endeavors that define us as an institution.

Established in 2001 by the Dhanalakshmi Srinivasan Charitable and Educational Trust, DSEC embarked on a noble mission to advance engineering and technical education in the rural hinterlands of Tamil Nadu's underserved districts. **Over the past 22 years, we have remained steadfast in our commitment to this vision, empowering countless students with the knowledge and skills necessary to thrive in today's dynamic world. In 2020, a significant milestone was achieved as DSEC attained autonomy, a testament to our dedication to excellence in education.** This autonomy has provided us with the freedom to innovate, adapt, and continually enhance our academic offerings to meet the evolving needs of our students and industry partners.

The DSEC is accredited with A Grade by NAAC, which remains valid until 2025. The departments of BME, ECE, and EEE of the institution are accredited by the NBA for two consecutive cycles (2018 & 2022). Right now, **the DSEC offers 16 UG Programmes and 6 PG Programmes** and also promotes a research culture at all three higher educational levels. None of our achievements would be possible without the dedication and expertise of our faculty members. With a blend of industry and academic experience, they serve as mentors, guiding students through their academic journey and fostering a culture of inquiry and innovation.

The success stories of our students speak volumes about the efficacy of our approach and the graduates find placement in reputed industries, a testament to the caliber of education imparted at DSEC. **Moreover, we take pride in nurturing the spirit of entrepreneurship, encouraging students to explore their creativity and embark on exciting startup ventures.**

We invite you to join us on this journey of discovery and innovation, as we continue to shape the future of engineering education.

**Warm Regards,
DSEC Fraternity**





Esteemed Chancellor Shri.A.Srinivasan
Dhanalakshmi Srinivasan University

Message from the Esteemed Chancellor

As we near the release of the June 2023- May 2023 Newsletter, I am filled with immense pride and gratitude for the exceptional journey of growth and achievement that we have embarked upon together. This newsletter is not merely a documentation of events; it is a living testament to our steadfast commitment to excellence in education and holistic development. Within its pages lie the vibrant narratives of our college's ecosystem - from the diverse avenues of student enrichment to the innovative faculty development programs, impactful alumni interactions, dynamic club activities, and the remarkable achievements of our students across esteemed institutions. Our faculty members, the pillars of our institution, have showcased unparalleled dedication through their insightful publications, active engagement in academic pursuits, and valuable contributions to industry-academia partnerships. Your passion and expertise serve as the driving force behind our collective success, and I extend my heartfelt appreciation for your unwavering efforts.

To our students, I applaud your resilience, creativity, and unwavering pursuit of excellence. Your accomplishments, both within our campus and beyond, stand as beacons of inspiration for all of us. As we delve into the enriching experiences of our industrial visits, I am reminded of the invaluable practical knowledge and insights gained, bridging the gap between theory and real-world application. I encourage every member of our community to not only peruse but deeply engage with the narratives within this newsletter. Let it be a source of inspiration, igniting your aspirations and fostering a passion for continual growth and contribution. Together, let us celebrate our collective achievements, draw wisdom from our experiences, and chart a path toward a future brimming with innovation, collaboration, and boundless Possibilities.

About the Institute

Our Dhanalakshmi Srinivasan Engineering College (An Autonomous Institution) has 22 years of enchanting Education, as established in the year of 2001 at Perambalur, Tamil Nadu. Our Institution is accredited with 'A Grade' by NAAC in the year of 2015 and further it is Re-Accredited with the same Grade till 2025. Our Institute is conferred with Autonomous status from UGC and Anna University for a period of ten years. Our college is accredited by TCS. Departments of BME, ECE and EEE Are accredited by NBA. Our Institution is run by the Silver Jubilee celebrated Group of Dhanalakshmi Srinivasan Charitable and Educational Trust, Perambalur, Tamil Nadu. Our endowed Educational trust started the college with motto of promoting Engineering / Technical Education to the Students in rural area of the backward Districts of Tamil Nadu. Our Institution offer 16 UG Programme and 6 PG Programme.

The aspirants of the Institution both the Faculty and Students are vibrant in congregating the cutting edge technologies in their respective fields. This motto is aided by the regular Professional Society and Club Activities. The College offers a good scope for Service – oriented Programme organized by NSS, Fine Arts Association and Student Care Centre. The Rain Water Harvesting units are also built with a societal impact in our College premises. The Human Resource Development Centre focuses on the full-fledged placements for all department Students. As now with another great Milestone of receiving Autonomy we are working together with a hope of consequential development of the students in all aspects. We have introduced Skill based Module which helps our Students to mould themselves with variety of Skill based Learning. These Courses are designed to groom budding Engineers, become Employable and a responsible Citizen of the Nation. Regarding infrastructure, our campus is lush green campus and has well equipped laboratories and smart classrooms. Separate hostel facility is available for both boys and girls with multi cuisine food. 24 hours Wi-Fi facility is available in our institution and also we have specialized central auditorium with fully air conditioned facility and having the seating capacity of 2500 with state of art facilities.

Vision and Mission of the Institute

Vision

- An active and committed centre of advanced learning focused on research and training in the fields of Engineering, Technology and Management to serve the nation better.

Mission

- To develop eminent scholar with a lifelong follow up of global standards by offering UG, PG and Doctoral Programmes.
- To pursue Professional and Career growth by collaborating mutually beneficial partnership with industries and higher institutes of research.
- To promote sustained research and training with emphasis on human values and leadership qualities.
- To contribute solutions for the need based issues of our society by proper ways and means as dutiful citizen.

About the Department of EEE

The Department of Electrical and Electronics Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur was established in the year 2001 - 2002 and affiliated to ANNA UNIVERSITY, Chennai. One Post-Graduate programme M.E. in Power Electronics and Drives during the academic year 2011-2012 has been introduced. We have a leading edge teaching facility and state-of-the-art laboratory facilities to enhance the learning experience of the students. The department develops the analytical and practical skills of students to serve better industrial, organizational and research set ups.

We provide individual attention and world class quality of education. We have a team of highly qualified, experienced and dedicated faculty to impart quality education to the students. The Department has been accredited by NBA (National Board of Accreditation). The EEE Department has been organizing many Symposiums, Seminars, Conference, Workshop, Guest lectures and the IEEE Chapter.

Vision and Mission of Electrical and Electronics Engineering

Vision

- To infuse technical competencies of Electrical and Electronics Engineering and provide research ambience with values.

Mission

- To impart quality education and training in Electrical and Electronics Engineering with an overall background suitable for making a successful Engineer in industry and research or higher education.
- To develop life-long learning skills that allows them to be adaptive and responsive to changes in society, technology and the environment, as well as career demands.
- To provide an accredited dynamic scholarly environment wherein students learn to develop communications and leadership abilities to blossom as a professional.
- To ensure that every graduate is aware of the roles and responsibilities of the professional engineer in society through exposure to ethics, equity, safety and health considerations.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	Graduates will possess expertise in problem analysis, solving, designing, skills and Necessary information for a successful career in the field of Electrical and Electronics Engineering.
PEO2	Graduates will accomplish practical acquaintance in modern designing tools, technologies and Engineering software in Electrical and Electronics Engineering.
PEO3	Graduates will be outstanding in communication, teamwork and multidisciplinary approach related to engineering issues in social context.
PEO4	Graduates will excel in competitive environment towards leadership and life-long learning which is needed for a successful professional career.

PROGRAM OUTCOMES (POs)

POs	Graduate Attribute
PO1	Engineering knowledge - Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis - Identify, formulate, review research literature, and analyze complex Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/Development of solutions - Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems - Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
PO5	Modern tool usage - Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society - Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and Sustainability - Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics - Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and team work - Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication - Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance - Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12	Life-long learning - Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
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PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1	Power Networks - Assess feasibility, applicability and optimality in power networks.
PSO 2	System Simulation - Ability to use software for design, simulation and analysis of electrical systems.
PSO 3	Power Electronics & Drive Systems - Proficient in Power converters, drives, Control strategies, and integration with Renewables and Electric vehicles.

FACULTY EDITORIAL MEMBERS

S.NO	NAME OF THE FACULTY EDITIORS
1	Dr. K. ANBARASAN, Professor / EEE
2	Dr. M. PARAMESWARI, Professor & Head/EEE
3	Dr.N.ARUNKUMAR, Associate Professor / EEE
4	Dr.G.MURALIKRISHNAN, Associate Professor / EEE
5	Mr.K.VIJAYAKANTH, Associate Professor /EEE
6	Mr.M.ASAITHAMBI, Assistant Professor/EEE
7	Mr.G.CHANDRASEKAR, Assistant Professor/EEE
8	Mr.M.KATHAMUTHU, Assistant Professor / EEE
9	Mrs.T.THENMOZHI, Assistant Professor / EEE
10	Mr.D.KRISHNAMOORTHY, Assistant Professor / EEE

STUDENT EDITORIAL MEMBERS

S.NO	NAME OF THE STUDENT	YEAR & BRANCH
1	Mr.R.PRADEEPAN	IV EEE
2	Ms.C.KEERTHIKA	IV EEE
3	Mr.S.SAKTHIVEL	IV EEE
4	Mr.R.RAMAKRISHNAN	IV EEE
5	Ms.A.BAVISHNA	III EEE
6	Mr.M.ILAMPARITHI	III EEE
7	Ms.N.MIDHUNA	III EEE
8	Ms.A.GAYATHRI	III EEE
9	Ms.P.PAVITHRA	III EEE
10	Mr.R.VISITHRAN	IV EEE

FACULTY ACHIEVEMENTS

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Journal Publications

- ✚ **Dr.M.Parameswari** - Smart Energy Storage System using Zero Export Inverter, International Journal of Computational Research and Development (ISSN: 2456-3137), 8(1), **2023**.

Conference Publications

- ✚ **Dr.K.Anbarasan** - Performance analysis of Single phase multi-level cascaded converter Based on PSO Techniques, International Conference on Intellectual Research in Science, Engineering and Management, 21st April 2023.
- ✚ **Dr.M.Parameswari** - Smart EV Charging Station Assessment Using AI with Block Chain in National Conference on Innovative Smart Technologies in Engineering and Management Sciences, August 06, 2023.
- ✚ **M.Bhuvaneshwari** - A Grid Connected Single Phase Transformer less Inverter by using H5 Topology Controller Two Solar PV Arrays, National Conference on New Horizon in Science, Engineering & Technology – NHSET 2K23, 24th March 2023.
- ✚ **M.Asaithambi** - A Goal Towards Electro Mobility Within Smart cities solution IoT based Air Quality Monitoring, International Conference on Recent trends in Science, Engineering & Management, 27th & 28th April 2023.
- ✚ **M.Asaithambi** - Design of 100MW Solar Power Plant using Bifacial Technology Based PV Panels and Analysis of Performance Using Different Ground ALBEDO, International Conference on Multi-disciplinary Perspectives in Engineering & Technology, 2nd April 2023.

Institutional Patents

- ✚ **Dr.K.Anbarasan, Dr.N.Arunkumar, Mr.M.Asaithambi, Mr.C.P.Vignesh, Mr.V.Vinothkumar**- Machine Learning Based Smart HVAC Control System with Predictive Analytics, **Application No.: 202341048474, Date of Publication: 01.09.2023**

Published Book Chapters

Over **100 faculty members** from **DSEC** have contributed to 39 book chapters in "**Emerging Innovative Research in Science and Technology**" published by True line Academic and Research Centre (ISBN: 978-93-91977-32-0; True line Publisher, Salem – 637103, Tamil Nadu, India). This collaborative effort showcases their diverse expertise and insights, underscoring the institution's commitment to cutting-edge research.

- ✚ Enhancing the Natural Properties of Silicone Oil with Semi-Conductive Nanoparticles – **Dr.N.Arunkumar, M.Asaithambi & V.Vinothkumar, Department of Electrical and Electronics Engineering**

- ✚ Induction Motor Control by Employing SEPIC Converter For Electrical Applications - **S.Nalini, M.Bhuvaneshwari, N.Chandrasekaran & A.Thamijunisha, Department of Electrical and Electronics Engineering**

- ✚ Smart Attendance Monitoring System – **Dr.M. Parameswari, N. Saranya & P. Suriya, Department of Electrical and Electronics Engineering**

List of students participated in professional events

S. No	Name of the students	Name of the event	State/National / International level	Date of Event	Name of the award if any
1	Sineka D	Internship Embedded system Code bind Technologies	National level	16/06/2023	-
2	Poovarasan R	Three days national level seminar on “ Social and Technological impact of PowerElectronics based for Sustainable Environment”at Kongunadu College of Engineering	National level	06/07/2023	-
3	Sangeetha V	Three days national level seminar on “ Social and Technological impact of PowerElectronics based for Sustainable Environment”at Kongunadu College of Engineering	National level	06/07/2023	-
4	Praveenkumar K	Three days national level seminar on “ Social and Technological impact of PowerElectronics based for Sustainable Environment”at Kongunadu College of Engineering	National level	06/07/2023	-
5	R.Nithya	TANGEDCO Inplant Training	State Level	10/07/2023	-
6	P.Sanjay	TANGEDCO Inplant Training	State Level	10/07/2023	-
7	R.Susmitha	TANGEDCO Inplant Training	State Level	10/07/2023	-
8	Shameer AhamedA	Ideathon 2023 Project Title: Smart Street Lighting System Using IoT And MotionDetection at Dhanakshmi Srinivasan University-Trichy	National level	26/07/2023	I PRIZE
9	Aakash A	Presented a paper Titled, “AI based Accident analysis and Prevention Systems” atTechnical Symposium in Kongunadu College of Engineering and Technolog	National level	26/08/2023	-
10	Ajith A	PNational Level Technical Symposium,KNCET	National level	26/08/2023	I PRIZE
11	Amirtharaj R	National Level Technical Symposium,KNCET	National level	26/08/2023	I PRIZE

12	Aravinth N	National Level Technical Symposium,KNCET	National level	26/08/2023	I PRIZE
13	Aswinth R	National Level Technical Symposium,KNCET	National level	26/08/2023	I PRIZE
14	Barath R	National Level Technical Symposium,KNCET	National level	26/08/2023	III PRIZE
15	Bharanidharan S	National Level Technical Symposium,KNCET	National level	26/08/2023	III PRIZE
16	Bhavithran M	National Level Technical Symposium,KNCET	National level	26/08/2023	III PRIZE
17	Charudutta Hari V	National Level Technical Symposium,KNCET	National level	26/08/2023	III PRIZE
18	Devaraj B	National Level Technical Symposium,KNCET	National level	26/08/2023	-
19	Elancheran E	National Level Technical Symposium,KNCET	National level	26/08/2023	-
20	Ganesh . S	National Level Technical Symposium,KNCET	National level	26/08/2023	-
21	Gowtham S	PNational Level Technical Symposium,KNCET	National level	26/08/2023	-
22	Gurudeva S	National Level Technical Symposium,KNCET	National level	26/08/2023	-
23	Dinesh.D	National Level Technical Symposium Tek Cluster	National level	26/08/2023	-
24	Athi gowtham A	National Level Technical Symposium,KNCET	National level	26/08/2023	-
25	Mukeshkumar G	National Level Technical Symposium,KNCET	National level	26/08/2023	-
26	Elavarasan E	National Level Technical Symposium,KNCET	National level	26/08/2023	-
27	Manikandan E	National Level Technical Symposium,KNCET	National level	26/08/2023	I PRIZE
28	sivabalan D	aNational Level Technical Symposium,KNCET	National level	26/08/2023	I PRIZE
29	Vivek V	National Level Technical Symposium,KNCET	National level	26/08/2023	-
30	silambarasan S	National Level Technical Symposium,KNCET	National level	26/08/2023	-
31	srinivasan R	National Level Technical Symposium,KNCET	National level	26/08/2023	-
32	Hari Prasath K	National Level Technical Symposium,KNCET	National level	26/08/2023	-
33	Manikandan M	National Level Technical Symposium,KNCET	National level	26/08/2023	-
34	Logeshwaran K	National Level Technical Symposium,KNCET	National level	26/08/2023	-
35	Jaya karthick J	National Level Technical Symposium,KNCET	National level	26/08/2023	-
36	Aravinth P	National Level Technical Symposium,KNCET	National level	26/08/2023	-
37	Gajendran S	National Level Technical Symposium,KNCET	National level	26/08/2023	-
38	Makeshwaran R	National Level Technical Symposium,KNCET	National level	26/08/2023	-

39	Mohan Dass S	National Level Technical Symposium,KNCET	National level	26/08/2023	-
40	Guhan M	National Level Technical Symposium,KNCET	National level	26/08/2023	-
41	Perarasu S	Two days Workshop on “Industrial Robotization using PLC and SCADA” atKongunadu College of Engineering and Technology	National level	01/09/2023	-
42	Nithish S	One day Seminar on “Sustainable development goals and Energy conservation”at Kongunadu College of Engineering and Technology	National level	01/09/2023	-
43	Gowrishankar P	Two days Workshop on “Industrial Robotization using PLC and SCADA” atKongunadu College of Engineering and Technology	National level	01/09/2023	-
44	Jagadeeshan R	Two days Workshop on “Industrial Robotization using PLC and SCADA” atKongunadu College of Engineering and Technology	National level	01/09/2023	-
45	Pradeepan R	Ideathon Project Title: Automated Agricultural Monitoring System at SriRamakrishna engineering college	National level	13/09/2023	II PRIZE
46	Pravin Kumar C	Ideathon Project Title: Automated Agricultural Monitoring System at SriRamakrishna engineering college	National level	13/09/2023	II PRIZE
47	Rakesh V	Ideathon Project Title: Automated Agricultural Monitoring System at SriRamakrishna engineering college	National level	13/09/2023	II PRIZE
48	Mukesh Kumar G	Internal Hackathon 2023 Project Title: Sustainable Energy Monitoring System atRoever Engineering College.	National level	13/09/2023	-
49	Muthukumar P	Internal Hackathon 2023 Project Title: Sustainable Energy Monitoring System atRoever Engineering College	National level	13/09/2023	-
50	Naveen A	Internal Hackathon 2023 Project Title: Sustainable Energy Monitoring System atRoever Engineering College.	National level	13/09/2023	-

51	Akshay R	Ideathon Project Title: Automated Agricultural Monitoring System at SriRamakrishna engineering college	National level	13/09/2023	-
52	Dinesh D	Ideathon Project Title: Automated Agricultural Monitoring System at SriRamakrishna engineering college	National level	13/09/2023	-
53	Sineka D	Internal Hackathon 2023 Project Title: Health Monitoring Wearable at JayaramCollege of Engineering and Technology	State Level	13/09/2023	-
54	Keerthika C	Internal Hackathon 2023 Project Title: Health Monitoring Wearable at JayaramCollege of Engineering and Technology	State Level	13/09/2023	-
55	Samsalamon P	Internal Hackathon 2023 Project Title: Sustainable Energy Monitoring System atRoever Engineering College	State Level	13/09/2023	-
56	Barath R	Internal Hackathon 2023 Project Title: Sustainable Energy Monitoring System atRoever Engineering College	National level	13/09/2023	II PRIZE
57	Dinesh Ram	Hackathon 2023 Project Title: Energy Efficient BLDC Motor Drive System atSaveetha Engineering College- Chennai	National level	20/09/2023	III PRIZE
58	Gowtham D	Hackathon 2023 Project Title: Energy Efficient BLDC Motor Drive System atSaveetha Engineering College- Chennai	National level	20/09/2023	-
59	Kishore V A	One day Seminar on "IOT in Smart Grid Technology and application" atKongunadu College of Engineering and Technology	National level	22/09/2023	-
60	Logeshwaran K	One day Seminar on "IOT in Smart Grid Technology and application" atKongunadu College of Engineering and Technology	National level	22/09/2023	-
61	Pradeepan R	Multimedia University and Dhanalakshmi Srinivasan Engineering	International	15/10/2023	-

		College, "Student Exchange Program", Malaysia			
62	Naveen A	Multimedia University and Dhanalakshmi Srinivasan Engineering College, "Student Exchange Program", Malaysia	International	15/10/2023	-
63	Srinivasan R	Dhanalakshmi Srinivasan university Ideathon Project Title: IoT-Based SmartEnergy Management System for Buildings	National level	06/11/2023	II PRIZE
64	Logeshwaran L	Dhanalakshmi Srinivasan university Ideathon Project Title: IoT-Based SmartEnergy Management System for Buildings	National level	06/11/2023	II PRIZE
65	Vishnu B	Dhanalakshmi Srinivasan university Ideathon Project Title: IoT-Based SmartEnergy Management System for Buildings at Dhanalakshmi Srinivasan Universi	National level	06/11/2023	-
66	Vishnu S	Dhanalakshmi Srinivasan university Ideathon Project Title: IoT-Based SmartEnergy Management System for Buildings at Dhanalakshmi Srinivasan Universi	National level	06/11/2023	-
67	Visithran R	Dhanalakshmi Srinivasan university Ideathon Project Title: IoT-Based SmartEnergy Management System for Buildings at Dhanalakshmi Srinivasan Universi	National level	06/11/2023	-
68	Mohamed Suhail E	One day Seminar on "Sustainable development goals and Energy conservation" at Kongunadu College of Engineering and Technology	National level	08/11/2023	-
69	MohammedFaheem H	One day Seminar on "Sustainable development goals and Energy conservation" at Kongunadu College of Engineering and Technology	National level	08/11/2023	-

70	Mohan Dass S	One day Seminar on “Sustainable development goals and Energy conservation”at Kongunadu College of Engineering and Technology	National level	08/11/2023	-
71	Monisha J	One day Seminar on “Sustainable development goals and Energy conservation”at Kongunadu College of Engineering and Technology	National level	08/11/2023	-
72	Naveen Varshan M	One day Seminar on “Sustainable development goals and Energy conservation”at Kongunadu College of Engineering and Technology	National level	08/11/2023	-
73	R.Nithya	Anna university zonal tournaments	State Level	17/11/2023	Second Position
74	Ramakrishnan R	Internal Hackathon 2023 Project Title: Smart Drainage Monitoring System usingIoT and AI at JCT college of engineering and technology	National level	18/11/2023	II PRIZE
75	Ramkumar S	Internal Hackathon 2023 Project Title: Smart Drainage Monitoring System usingIoT and AI at JCT college of engineering and technology	National level	18/11/2023	II PRIZE
76	Mohamed Riyas A	Internal Hackathon 2023 Project Title: Smart Drainage Monitoring System usingIoT and AI at JCT college of engineering and technology	State Level	18/11/2023	-
77	Meganadhan	One day workshop on”Applications an ontology of Quantum Computing”atKarpagam College of Engineering,Coimbatore.	National Level	15/09/2023	-
78	Mukesh Kumar G	One day workshop on”Applications an ontology of Quantum Computing”atKarpagam College of Engineering,Coimbatore.	National Level	15/09/2023	-
79	Muthukumar P	One day workshop on”Applications an ontology of Quantum	National Level	15/09/2023	-

Computing”atKarpagam
College of
Engineering,Coimbatore.

List of events/ Programs organized

S. No	Name of the Professional Societies/ Bodies , Chapters, Clubs	Name of the event	National / Internatio nal level	Date of Event
1	SESI	Association Inauguration with Five Days FDP on “Harvesting Low Cost Renewable Energy Using Modern Controllers Based On Soft Computing Techniques”.	National	17/07/2023
2	Energy Club	Seminar on “ Challenges and Opportunities in Integration of Electric Vehicles with Smart Electric Grids”	National	21/08/2023
3	Energy Club	Guest Lecture on Recent Trends In Electrical Power Systems	National	18/09/2023
4	SESI	National level Technical Symposium-E 3 FEST 2K23	National	21/09/2023
5	Energy Club	Drawing Competition on “Green energy”	National	22/09/2023
6	Talk Club	Debate in the title of “Mobile phones are useful to the society versus Harmful to the society”	National	22/09/2023
7	Energy Club	Guest Lecture on Grid Integration of wind energy conversion systems	National	24/10/2023
8	SESI	Workshop on Hands-on training MATLAB Power Electronics & Simulink Training”	National	13/11/2023
9	Entrepreneurship Club	Guest Lecture on Research Opportunities in Electrical Engineering and Its Applications	National	15/11/2023
10	Literary club	Essay Competition on “ My Vote is My right – Power on one vote”	National	16/11/2023
11	SESI	Faculty Development Program on “Green Energy Technologies: Rural Electrification, Challenges and Sustainable Development”	National	19/12/2023

List of student publications

S. No	Name of the Student	Semester	Name of the Publisher	Name of the Journal/ Conference, etc.	Volume No.	Issue No.	Name of the Award if any
1	Arivazhagan R	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
2	Abubakkar Sithik R	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
3	Dinesh D	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
4	Dinesh M	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
5	Jagadheesh J	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
6	Rakesh V	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
7	Sriram S	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
8	Venkatesan M	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-

9	Ezhilarasan E	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023	8	1	-
10	Pravin Kumar C	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
11	Siva R	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
12	Naveen A	8	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
13	Naveen A	8	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
14	Sakthivel S	8	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
15	Samsalamon P	8	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
16	Ajithkumar R	8	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
17	Visithran R	8	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems	0	0	-

				and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.			
18	Akshay R	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
19	Meganathan	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
20	Pradeepan R	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
21	Siva Balan D	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
22	Akash R	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
23	Ashik Ali S	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
24	Gowtham D	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-

25	Ramesh V	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
26	Logeshwaran L	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
27	Barath R	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023	0	0	-
28	Mohamed AbuthairAJ	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
29	Mohamed FaridAhamed M	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
30	Mohamed Riyas A	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
31	Mohanraj R	7	NEC-ICPSPE	3rd International Virtual Conference on Recent Trends in Power Systems and Power Electronics"-NEC-ICPSPE-2K23 on 10th June-2023.	0	0	-
32	Elavarasan E	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-

33	Mohamed Yasir S	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
34	Mugesh M	8	SHOBHIT UNIVERSITY(I JCRET)	International conference on Multidisciplinary Perspectives in Engineering and Technology(ICMPE T-2023),	8	1	-
35	Arivazhan R	8	NCEPES	National Conference on Electrical Power and Energy systems,	0	0	-

List of faculty members as resource person in STTP/FDP events

S.NO.	Name of the Faculty as Resource Person	Name of the STTP/FDP	Date	Location	Organized by
1	Dr.M.Parameswari	STTP Session Title: Emerging techniques in Renewable Energy system	12.07.2023	Dindigul	RVS College of Engineering and Technology.
2	Mr.R.Sathish	FDP Session Title: Hybrid Electric vehicle	17.08.2023	Trichy	Dhanalakshmi Srinivasan Institute of Technology

Faculty internship / training / collaboration details

S.NO	Name of the Faculty	Name of the Internship/Training/ Collaboration	Name of the Company &Place	Duration	Outcomes of Internship/Training/ Collaboration
1	Dr. K.Anbarasan	Collaboration: Students exchange program	Multimedia university. Malaysia	15 days	Enhanced Academic Experience.
2	Mr. M.Kathamuthu	Training: CNC-sinumerik 828d Commissioning and	Siemens, Bangalore	3 Days	handle CNC machines
		CNC-sinumerik 828d milling and programming		4 Days	

3	Mrs.N.Saranya	Training: Troubleshooting of electrical equipment	GK Power Expertise Pvt. Ltd, Chennai	5 Days 26.06.23 to 30.06.23	Gained practical expertise in diagnosing and resolving faults in electrical equipment
4	Mrs. M.Bhuvanewari	Training: Induction motor drives	Kasa Anlagen India Pvt., Limited, Chennai	5 Days 03.07.23 to 07.07.23	Learner acquired hands-on experience in configuring and operating Variable Frequency Drives (VFDs).
5	Mr.M.Asaithambi	Training: Internet of Things (IoT)	Quantanics TechServ Pvt. Ltd-Madurai	5 Days 17.07.23 to 21.07.23	Learned the fundamentals and applications of connected devices in various industries.
6	Dr.N.Arunkumar	Training: Maintenance of Transformer	Shree Abirami engineering works Chennai	5 Days 01.08.23 to 05.08.23	ensured safe and efficient transformer operation
7	Mrs. K.Preetha	Training: SCADA	GK Power Expertise Pvt. Ltd, Chennai	6 days 07.08.23 to 12.08.23	Learned fundamental components of a SCADA system.
8	Mrs.T.Durga	Training: Internet of Things (IoT)	Quantanics TechServ Pvt. Ltd-Madurai	5 Days 04.12.23 to 08.12.23	Learned the fundamentals and applications of connected devices in various industries.

List of faculty members as resource person in STTP/FDP events.

S.No	Name of the Faculty as Resource Person	Name of the STTP/FDP	Date (DD/MM/YYYY)	Location	Organized by
1	Dr.K.Anbarasan	FDP on Frontier Research in Electrical Engineering Session Title: Smart sensor	22/10/2023	Tiruvanna malai	Arunai College of Engineering
2	Dr.M.Parameswari	FDP on Power factor improvements. Session Title: Energy Efficiency Unlocked: The Role of Power Facto	23/08/2023	Dindigul	SBM College of Engineering and Technology
3	Dr.D.Danalakshmi	FDP on Fostering Research & Development to Drive Technological Progress and Innovation for Sustai	16/06/2023	Trichy	Shivani Engineering College
4	Dr.M.Parameswari	FDP on Entrepreneurial Perspectives on Green Energy and Electric Vehicle Innovation Session Title:	12/07/2023	Coimbatore	RVS College of Engineering and Technology
5	Mr.G.Chandrasekar	FDP on Next-Generation AI and Machine Learning: Trends, Challenges, and Opportunities Session Title	07/09/2023	Tiruchengode	K.S.R. College of Engineering
6	Dr.K.Srinivasan	FDP on Transforming Faculty into Entrepreneurs& Innovators Session Title: Unlocking the Entrepreneu	21/11/2023	Tirunelveli	Francis Xavier Engineering College