

SRI SAIRAM ENGINEERING COLLEGE
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

<p>1. Name :Dr. K. PRATHIBANANDHI prathibanandhi.eee@sairam.edu.in</p>	
<p>2. Designation:</p>	<p>Associate Professor</p>
<p>3. Qualification :</p>	<p>M.Tech., Ph.D.,</p>
<p>4. Area of Specialization :</p>	<p>ELECTRICAL ENGINEERING</p>
<p>5. Experience :</p>	<p>Teaching- 5 Years 2 months Research- 3 years 10 months</p>
<p>6. No. of workshop : FDP attended :</p>	<p>No. of workshops attended : 13 No. of FDP/STTP attended : 40</p>
<p>7. Publication :</p>	<p>Journal National: 05 International : 25 Conference National: - International: 08</p>
<p>8. Staff Achievements:</p>	<p>"To excel in teaching and research by enriching courses with structured learning, academic expertise, and analytical proficiency."</p>

PROFESSIONAL EXPERIENCE: 9 YEARS

- Associate Professor in Sri Sai Ram Engineering College from 1.10.2022 to till date
- Assistant Professor in Sri Sai Ram Engineering College from 02.08.2021 to 30.09.2022
- Assistant Professor in Saveetha School of Engineering from 14.02.2020 to 11.11.2020
- Full Time Research Scholar – College of Engineering from January 2016 – November 2019

AREAS OF INTEREST

- Power Electronics
- Microprocessor and Microcontroller
- Embedded systems
- Power Electronics for Renewable Energy Systems
- Wind Energy Conversion Systems
- Power Quality
- Microcontroller Based System Design
- Design of Electrical machines
- Data Science and AI

RESEARCH TITLE

- “Torque Ripple Minimization and Speed Control of BLDC Motor with Various Hybrid Control Techniques”. – July 2021 ANNA UNIVERSITY

RESEARCH SUPERVISOR

- Research Supervisor in Anna University-4030019
- Guiding four Research Scholars

S.No	Name of the Student	Title of Research	University	Year of Registration	Programme (Ph.D/M.S. by research)	Status	Mode of Study (PT/FT)
1	Mr.R.Sivaprasad	Performance Enhancement of Induction Motor Drive	Anna University	July 2023	Ph.D	Confirmation Completed	PT
2	Ms.R.Kothai	Optimization Sizing Model for Hybrid Solar-Wind Power	Anna University	July 2023	Ph.D	Confirmation Completed	PT

S.No	Name of the Student	Title of Research	University	Year of Registration	Programme (Ph.D/M.S. by research)	Status	Mode of Study (PT/FT)
		Generation System.					
3	Mr.T.Gokulakrishnan	Inverter Fed Three Phase Induction Motor To Improve The Efficiency For Industrial Application	Anna University	July 2024	Ph.D	Course Work	PT
4	Ms.S.Kalpana	Advanced Hybrid Control Method For Torque Ripple Reduction In Brushless Dc Motor	Anna University	July 2024	Ph.D	Course Work	PT

SOCIETY MEMBERSHIP

- IEEE Member Since 2021, Membership ID: 92902238

PUBLICATIONS

1. Sugacini, C.Yaashuwanth, **K.Prathibanandhi**, S.Ramesh “A Novel Fuzzy Cluster Head Selection and Adaptive Hawk Optimisation Routing Framework for Energy Efficient Wireless Sensor Networks” Technical Gazette, 33,1,2026 (**SCI INDEXED**)
2. B.Sinduja, C.Yaashuwanth,**K.Prathibanandhi**,S.Ramesh “An energy aware routing protocol using mayfly optimization (ERPMO) and TDMA scheduling in wireless sensor networks” Scientific Reports, (**SCI INDEXED**) 2025
3. Jasmine Alponse, C.Yaashuwanth,**K.Prathibanandhi** “A Novel Scalable Trust-Aware Deep Reinforcement Learning Algorithm for Energy-Efficient and Secure Routing in Software-Defined Wireless Sensor Networks for IoT” Measurement Science Review,25,6,2025 (**SCI INDEXED**)
4. Sugacini, C.Yaashuwanth, **K.Prathibanandhi** “ Neuro Fuzzy Deep Reinforcement Learning for Energy Optimized Routing in Large-Scale Wireless Sensor Networks” Brazilian Archives of Biology and Technology,68,2025(**SCI INDEXED**)

5. R.Saktheeswari,C.Yaashuwanth,**K.Prathibanandhi**,S.Ramesh “Enhanced Video Encryption Technique Using Substitution Boxes and Spatial Filtering for Robust Data Security” *Tehničkivjesnik* 32, 4(2025), 1519-1528 (**SCI INDEXED**) 2025
6. V.Ranjith,C.Yaashuwanth,**K.Prathibanandhi**,T.Jayasankar “Adaptive Energy Efficient Routing for Video Transmission in Wireless Multimedia Sensor Network Using Greedy Algorithm” *Tehničkivjesnik* 32, 4(2025), 1358-1363 (**SCI INDEXED**) 2025
7. Rupa Kesavan, Yaashuwanth Calpakkam , **Prathibanandhi Kanagaraj** , Vijayaraja Loganathan “Secured energy optimization of wireless sensor nodes on edge computing platform using hybrid data aggregation scheme and Q-based reinforcement learning technique” *Sustainable Computing: Informatics and Systems*Volume 45, January 2025, 101072 (**SCI INDEXED**)
8. Ranjith V, Yaashuwanth C, **Prathibanandhi K**, Jayasankar T “Energy Efficient and Reliable High Quality Video Transmission Architecture for Wireless Sensor Networks” *Tehničkivjesnik* 31, 3(2024), 973-981 (**SCI INDEXED**) 2024
9. **K. Prathibanandhi**“Machine Overheating Detection Using Microcontroller in Electric Vehicles” in the *Journal of Propulsion Technology*, 2024
10. **K.Prathibanandhi** “IoT Based Toilet Cleaning ROBOT–TOILBOT”in the *Journal of Propulsion Technology*, 2024
11. **K. Prathibanandhi**, R. Ramesh and C. Yaashuwanth"Analysis of Brushless DC Motor Using Enhanced Fopid Controller With ALO Algorithm" *Intelligent Automation & Soft Computing*, ,Vol.34, no.1,2022. (**SCI INDEXED**)
12. **K. Prathibanandhi**, C. Yaashuwanth& A. Raja Basha Improved Torque Performance in BLDC-Motor-Drive Through Jaya Optimization Implemented On Xilinx Platform, *Microprocessor and Microsystems*, (2021) (**ELSEVIER**), (**SCI INDEXED**)
13. **K. Prathibanandhi**, R. Ramesh, C. Yaashuwanth& A. Raja Basha Brushless Direct Current Motor With MV-PID Controller Management System Based On Arm Microcontroller, *Circuit World*.(2021) (**SCI INDEXED**)
14. S. Ramesh, C. Yaashuwanth, **K. Prathibanandhi**, A. Raja Basha & Jaishankar, “An Optimized Deep Neural Network Based Dos Attack Detection In Wireless Video Sensor Network”, *Journal Of Ambient Intelligence And Humanized Computing*. (2021), (**SPRINGER**), (**SCI INDEXED**).
15. Jegajothi, C. Yaashuwanth&**K. Prathibanandhi**, A Centralized Embedded Controller For Maximum Power Point Tracking In Solar Photo Voltaic System Under Fluctuating

Irradiance Condition, Microprocessors and Microsystems, (2021) (**ELSEVIER**), (**SCI INDEXED**),

16. Ramesh S, Yaashuwanth C, **Prathibanandhi K**. Design of optimized compressed sensing routing protocol for wireless multimedia sensor networks. Int J Commun Syst. 2021
17. **Prathibanandhi. K** & Ramesh. R “Hybrid Technique in MRPID Controller for regulating Torque and Speed of BLDCM Drive System”, Journal of Electrical Engineering, vol. 20, no. 1, pp. 385-404, 2020 (**SCI INDEXED**)
18. **Prathibanandhi. K** & Yaashuwanth. C “A Novel Gravitational Search Approach with the Optimum Static Synchronous Compensator Focus Detection to Reduce Power Loss”, Journal of Xi'an University of Architecture & Technology.2020. (**SCOPUS**)
19. M. Sujith, S. Madhubalan &**K. Prathibanandhi**, “Implification of ANN-FLC Based PI Controller for Dual Interfacing Converters”, Journal of Green Engineering.2020. (**SCOPUS**)
20. S. Ramesh, C. Yaashuwanth, **K. Prathibanandhi**, A. Raja Basha & S. Dhivya “An Optimization Algorithm to Improve Lifetime of Wireless Video Sensor Network Over the Secure Transmission Link with Enhanced Security Feature”, Solid State Technology, 2020, (**SCOPUS**)
21. Jegajothi, C. Yaashuwanth&**K. Prathibanandhi**, Generation of Maximum Possible Power in Solar PV system utilizing modified HMFA based ANNANN Controller based on HMFA, Solid State Technology, 2020, (**SCOPUS**)
22. **Prathibanandhi. K** & Ramesh. R “Hybrid control technique for minimizing the torque ripple of brushless direct current motor”, Measurement and Control, vol. 51, no. 7-8, pp. 321-335, 2018 (**SCI INDEX**)
23. R. Senthilkumar, K. Premkumar &**K. Prathibanandhi**, “Fault Diagnosis Of Induction Motor Using Vector Control Technique”, International Journal of Scientific & Engineering Research, Volume 5, Issue 4, April-2014

CONFERENCES

1. **Prathibanandhi.K** “Fetal Health Management Using Ensemble Learning Techniques and Providing Data Analysis” IEEE International Conference on Computing and Communication Technologies (ICCCT 2025)
2. **Prathibanandhi.K** “Detecting Dog Diseases And Emotions Using Deep Learning” IEEE International Conference on Computing and Communication Technologies (ICCCT 2025)

3. **Prathibanandhi.K** “Enhanced Liver Tumor Localization Based on Couinaud Classification Using Deep Learning” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
4. **Prathibanandhi.K** “Emotion Detection System for Children with Autism Spectrum Disorder based on IoT and Deep learning” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
5. **Prathibanandhi.K** “Comparative Study of Automatic Driving Assist Systems in Internal Combustion and Electric Vehicles” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
6. **Prathibanandhi.K** “Smart Systems for Sustainable Aquaculture: A Focus on Water Quality” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
7. **Prathibanandhi.K** “SMART GOGGLES FOR THE VISUALLY IMPAIRED” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
8. **Prathibanandhi.K** “Smart Energy Consumption with Theft Detection and load Control” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
9. **Prathibanandhi.K** “SMART DELIVERY MACHINE WITH RFID” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
10. **Prathibanandhi.K** “SAFECURRENT: ARDUINO GUARDIAN WITH GSM DEFENSE” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
11. **Prathibanandhi.K** “Real Time Violence Alert System” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
12. **Prathibanandhi.K** “Induction Motor Protection System” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
13. **Prathibanandhi.K** “GESTURE-CONTROLLED AUTONOMOUS TROLLEY FOR SEAMLESS NAVIGATION” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
14. **Prathibanandhi.K** “FAULT DETECTION OF INTERNAL WIRING USING AUGMENTED REALITY” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024
15. **Prathibanandhi.K** “Farm Aid Metrix” IEEE International Conference on Power, Energy, Control and Transmission Systems 2024

16. **Prathibanandhi.K** “Convolutional Neural Network for Battery System Monitoring and SOC Estimation for EV Applications”2023 IEEE 20th India Council International Conference (INDICON)
17. **Prathibanandhi.K** “Aquaculture Water Quality Monitoring System”2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)
18. **Prathibanandhi.K** “Automatic Door Locking System in Households Using IoT”2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)
19. **Prathibanandhi.K** “MoodVue: A Smart Mirror with Emotional Intelligence”2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)
20. **Prathibanandhi.K**“Submersible Water Pump with Sand and Sediment Filter”2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)
21. **Prathibanandhi.K**“RFID Card Based Petrol Pump Automation System”2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)
22. **Prathibanandhi.K**“Fault Detection and Prevention With Energy Monitoring System”2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)
23. **Prathibanandhi.K**“ Hand Gesture Controlled Wheelchair” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
24. **Prathibanandhi.K**“ An Intelligent Saviour System For Improved Security Using Facial Recognition” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
25. **Prathibanandhi.K**“ AegisSurtot” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
26. **Prathibanandhi.K**“ Design and Implementation of Electric Cycle” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
27. **Prathibanandhi.K**“Blink to speak an Assistive Device for Paralyzed People” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
28. **Prathibanandhi.K**“ GSM Based Power Meter Billing with Load Control” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
29. **Prathibanandhi.K**“Smart Energy Meter with Cloud Connectivity” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
30. **Prathibanandhi.K**“ An Astute Rescue System for Enhanced Security using Facial

Recognition” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022

31. **Prathibanandhi.K**“ Design and Development of PV Powered Intergrated DC - DC Converter Fed Multilevel Inverter for Standalone Application” ESTCON 2022 in Malaysia on December 2022
32. **Prathibanandhi.K**“ AUGMENTED REALITY-BASED RESTAURANTS” IEEE International Conference on Power, Energy, Control and Transmission Systems on December 2022
33. **Prathibanandhi.K**, "Smart Sprinkler System Using Raspberry Pi" International Conference on Communication, Computing and Internet of Things, IC3IoT - PROCEEDINGS, 2022
34. S. Ramesh &**Prathibanandhi. K** “A Conjoint Edifice for Qos and QoE through Video Transmission at Wireless Multimedia Sensor Networks” International Conference on Innovation Data Communication Technologies and Application in March 2019.
35. **Prathibanandhi. K** “Implementation of Switched Inductor Z-Inverters FED Induction Motor” International Conference on Electrical, Communication & Computing in March 2014.

BOOK & BOOK CHAPTERS

1. A conjoint edifice for QOS and QOE through video transmission at wireless multimedia sensor networks” lecture notes on Data Engineering and Communication Technology Vol 46.
2. Ramesh S, **Prathibanandhi K**, Hemalatha P, Yaashuwanth C and Adam Raja Basha A “The Convergence of Novel Deep Learning Approaches in Cybersecurity and Digital Forensics” Chapter 8 Simulation and analysis of mathematical methods in Real Time Engineering Applications Scrinever publishing wiley pp 164 – 189
3. Python Programming Jupitar publications Book authored, Jupiter Publications.
4. Combination BFPSO Tuned Intelligent Controller for Maximum Power Point Tracking in Solar Photovoltaic Farm Interconnected to Grid Supply” Lecture Notes in Electrical Engineering. 2022

PROJECTS GRANTED

1. Design and Development of Enhanced Secured Video Communication System for Video Sensor Network - **ISRO INDIAN SPACE RESEARCH ORGANIZATION HQ**

DEPARTMENT OF SPACE- Rs.19 lakhs (2021-2024)

2. Tamil Nadu State Council of Science and Technology – STP for Rs.7500 (2022)
3. Tamil Nadu State Council of Science and Technology – STP for Rs.7500 (2025)

INDUSTRIAL TRAINING ATTENDED

1. Undergone 6 days industrial training program at I. P. L Transformers Pvt.Ltd Chennai from 02.03.2022 to 08.03.2022.

CERTIFICATE COURSES

1. Successfully Completed ADVANCED DATA SCIENCE and AI conducted by iHUB DivyaSampark at Indian Institute of Technology Roorkee in Association with Department of Science & Technology (2024)

PATENT

S.NO	TITLE	APPLICATION.NO	STATUS
1.	A Convection Turbine Renewable Energy Converter	347926-001	Granted
2.	A System and Method for Thermal Management In Automotive Seats Using Solar Energy.	202041030938	Granted
3.	Detachable Solar Heater	331189-001	Granted
4.	Enhancing Security for Vehicle Tracking System	202041000449	Published
5.	A Super Capacitor Power Device	365756-001	Granted
6.	A Portable Agriculture Monitoring Device	369500-001	Granted
7.	Motor And Battery Overheat Detection in Electric Vehicles	202341070533	Published
8.	A Smart Mirror with Emotional Awareness	202441055532	Published
9.	Submersible Pump with Multi-Stage Sediment Filtration	202541097210	Published

NITTT MODULES & NPTEL COURSES

1. Successfully Completed 8 Modules in NITTT (National Initiative for Technical Teachers Training and Certified by AICTE
2. Completed NPTEL Online Certification Course “Data Science for Engineers” Jan-Mar 2025
3. Completed NPTEL Online Certification Course with Elite “Learning Analytics Tools” Jul-Sep 2024
4. Completed NPTEL Online Certification Course with Elite “Design Thinking - A Primer” Jul-Sep 2024
5. Completed NPTEL Online Certification Course with Elite “Python for Data Science”. Jul-Sep 2024
6. Completed NPTEL Online Certification Course with Elite “Accreditation and Outcome Based Learning”, Nov-Dec 2023
7. Completed NPTEL Online Certification Course "Intellectual Property Rights and Competition Law” – 2022
8. Completed NPTEL Online Certification Course “Introduction To Industry 4.0 And Industrial Internet Of Things”- 2022

FACULTY DEVELOPMENT PROGRAM

1. Participated and Completed ATAL sponsored FDP on “Emerging Trends in Digital Twin Technology for Hydrogen Production, Storage and Transport” organized by KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY from 15.12.2025-20.12.2025.
2. Completed “Social Emotional Education: Knowledge to Practice (SEEK)” conducted by UNESCO MGIEP from 13.10.2025 - 14.10.2025
3. Participated and Completed ATAL sponsored FDP on “Advances in Electric Vehicles and Sustainable Energy Systems: Strategies, AI Applications, and Future Directions” organized by AMRITA VISHWA VIDYAPEETHAM BENGALURU CAMPUS from 15.09.2025-20.09.2025.
4. Completed training in “Panchayat administration rural development training” organized by State Institute of Rural Development Tamilnadu from 26.5.2025 to 31.5.2025
5. Participated and Attended a Technical session on “Emerging EV Technologies” organized by the Department of EEE from march 17 - 21.2025 in Sri Sairam Engineering College

associate with PELS SBC.

6. Participated and Completed FDP in NPTEL course in “Data Science for Engineers” Jan to March 2025
7. Participated and Completed ATAL sponsored FDP on “The Role of Artificial Intelligence and Machine Learning in Electric Vehicle Technology” organized by RAMAKRISHNAN COLLEGE OF TECHNOLOGY from 10/02/2025 to 15/02/2025.
8. Participated and Completed ATAL sponsored FDP on “Impact of Inverter-Based Resources in Power System” organized by ALAGAPPA CHETTIAR GOVERNMENT COLLEGE OF ENGINEERING AND TECHNOLOGY from 03/02/2025 to 08/02/2025
9. Participated and Attended a Technical session on “DEMYSTIFYING AI AND DATA SCIENCE” organized by the PALS and Meritus.AI on 23rd and 24th January 2025.
10. Participated and Attended a Technical session on “Indian Standards to become a Master Trainer on Indian Standards” organized by the Bureau of Indian Standards, held on 21.01.2025
11. Participated and Completed ATAL Sponsored FDP on “Recent Trends and Advancement in Integrated Power Systems” BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY from 16.12.2024 to 21.12.2024
12. Participated and Completed ATAL Sponsored FDP on “AI in Hydrogen and Electric Powered Vehicles” in BS Abdur Rahman Crescent Institute of Science and Technology from 9.12.2024 to 14.12.2024
13. Participated and Completed ATAL Sponsored FDP on “IP Strategies for Innovative Research and Development” in Anna University from 11.11.2024 to 23.11.2024
14. Participated and Completed Ignite “Entrepreneurship course” conducted by Wadhvani Foundation from 23.05.2024-05.07.2024 (Ignite Facilitator)
15. Participated and Completed FDP in NPTEL course in “Design Thinking - A Primer”-17.7.2024-09.08.2024
16. Participated and Completed FDP on “Graphical System Design using LabVIEW” conducted by NITTR Chennai from 19-23.08.2024
17. Participated and Completed UHV-2 conducted by AICTE from 27-01.06.2024
18. Participated and Completed FDP on “AI Applications in Electrical and Electronics Engineering” conducted by NITTR Chennai from 10-14.06.2024
19. Participated and Completed ATAL FDP on “IP strategies with R&D” in college of engineering from 11-23.11.2024
20. Participated and Completed Faculty Development Program on “Robotic Automation

Process” held during 6-11 May 2025 in Sairam Engineering College

21. Participated and Completed FDP in NPTEL course in Python for Data Science. Jul-Sep 2024
22. Participated and Completed FDP in NPTEL course in Accreditation and Outcome Based Learning, Nov-Dec 2023
23. Participated and Completed Faculty Development Program on “Applications of Artificial Intelligence for Electrical Systems” held during 28th –30th November 2023
24. Participated and Completed ATAL FDP on Cyber Security in Cloud Computing Technologies conducted by Sri Sai Ram Engineering College.
25. Participated and Completed FDP on Power System Design & Analysis using DIgSILENT Power Factory Software
26. Participated and Completed FDP on Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software
27. Participated and Completed FDP on Research tools conducted by Easwari Engineering College from 3rd July 2023 to 14th July 2023
28. Participated and Completed DST Sponsored Two Weeks Faculty Development Programme on “Development of Entrepreneurship and Innovation” from 29th May – 9th June 2023
29. Participated and Completed PALS PROJECT PROPOSAL WRITING WORKSHOP ON 28th and 29th APRIL 2023
30. Participated and Completed Six Day FDP ON “ELECTRIC VEHICLE DRIVE SYSTEM” Conducted by Jerusalem College of Engineering – 27.02.2023-04.03.2023
31. Participated and Completed Six Day FDP ON “Future Generation Communication and Networking” – Conducted by Jerusalem College of Engineering – 2.1.2023 – 7.1.2023
32. Completed IEEE Learning Network Courses
33. Participated and Completed AICTE Recognized Faculty Development Programme on Power Electronics for Renewable Energy Application Conducted by NITTTR Chandigarh
34. Participated and Completed ATAL Hybrid FDP on " Power Electronics Applications to Renewable Energy systems, Electric Vehicles and intelligent control" from 10.10.22 to 21.10.22 at Sri Sai Ram Institute of Technology
35. Participated and Completed AICTE Recognized Faculty Development Programme on MATLAB and SIMULINK basics for Hardware Projects conducted by NITTTR Chandigarh.
36. Participated and Completed IEI all India Attended Six Day FDTP ON EE8591- DIGITAL

SIGNAL PROCESSING

37. Participated in the Quiz on the “The great Indian Women Leaders” conducted by the Department of Electrical and Electronics in association with IEEE WIE affinity group on 26th January 2022 and scored 100 percent in Sai Ram Engineering College.
38. Participated and Completed Faculty Development Programme on "AI Applications to Power Systems" during 17- 22 January 2022, organised by Department of Electrical & Electronics Engineering, Siddaganga Institute of Technology, Tumakuru.
39. Participated and Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Smart Grid – Drivers, Challenges and Opportunities" from 04/01/2022 to 08/01/2022 at SASTRA DEEMED TO BE UNIVERSITY
40. Participated and Completed Faculty Development Programme on RESEARCH CHALLENGES IN ELECTRICAL ENGINEERING AND THE SOLUTION WITH SOFTWARE Organized by Sri Sairam Engineering College 2021
41. Participated and Completed Faculty Development Programme on RENEWABLE ENERGY SYSTEMS Organized by Jerusalem College of Engineering.2021
42. Participated and Completed FDP on Recent Trends in Energy & Power Systems Organized by the school of Electrical Engineering , Vellore Institute of Technology Chennai 2021
43. Participated and Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Electric Vehicles: Challenges and Opportunities in Future India" Organized by RMK college of engineering and technology.2021
44. Participated and Completed FDP on Electrical & Electronic Systems for wind & solar Organized by NITTTR Chennai.2021
45. Participated and Completed Three Days Online Workshop on “Data Science and Machine Learning” in Sri Venkateswara College of Engineering. 2020

WORKSHOP/SEMINAR/STTP

1. Participated in one day Workshop on “National Education Policy 2020 - Technology Integration”2024
2. Participated and Completed “Entrepreneurship Development” Workshop conducted by Centre for faculty & professional development in Anna University,2024
3. Participated and Completed Hands on Training on AR & VR - Applications and research opportunities 2023
4. Participated in National Seminar on Opportunities & Challenges in Electric Vehicle with

Smart Grid 2023

5. Participated in Webinar on "IoT Design Methodologies" 2022
6. Participated in Naan Mudhalvan Train the trainers program for Augmented Reality, Virtual Reality & Metaverse Development held between 19-22 of Sept, 2022
7. Participated in Webinar on “Research Skill Development Programme” Organized by Research and Development Centre, Krishnasamy College of Engineering & Technology, Cuddalore, 2021
8. Participated in Webinar on “Intellectual Property Rights” Organized by Research and Development Centre, Krishnasamy College of Engineering & Technology, Cuddalore, 2021
9. Participated in the International Webinar Series on “Recent Trends in Power Quality Improvement using AC/AC Converters” in Sri Venkateswara College of Engineering. 2020
10. Participated in the International Webinar Series on “The New Normal : Automotive Industry Short-Term Survival” in Sri Venkateswara College of Engineering. 2020
11. Participated in an Author workshop by Elsevier in September 2019.
12. Participated in an Author workshop by Wiley in November 2018.
13. Participated in a workshop on “Computational intelligence theories, applications and future directions” BY IEEE computational Intelligence society in 2013.

FACULTY ACHIEVEMENTS

1. Received a certificate of appreciation for guiding the 2025 batch project team as a supervisor, leading them to secure 1st place in Inspirathon 2.0, conducted by Sri Sairam Engineering College, 19.02.2025 to 21.02.2025
2. Received exceptional contribution certificate for coordinating Smart India Hackathon, 2024 jointly organized by MoE and AICTE with Sairam Engineering College.
3. Received Best Paper Award for the paper “Real Time Violence Alert System” in EEE International Conference on Power, Energy, Control and Transmission Systems 2024.
4. Received Outstanding Creative Innovator Award 2024
5. Won the 1st Prize in Innovathon 2.0 for a student project addressing SDG 14.
6. Acted as Reviewer in IEEE Silchar subsection, held at National Institute Of Technology, 2024

7. Acted as Reviewer in 4th International Conference on Power Energy Control and Transmission System (ICPECTS 24) and acted as publication Chair at Sri Sairam Engineering College.
8. Acted as a session chair in 4th International Conference on Power Energy Control and Transmission System (ICPECTS 24) held at November 2024 at Sri SaiRam Engineering College.
9. Acted as Reviewer in 3rd International Conference on Power Energy Control and Transmission System (ICPECTS 22) and acted as publication Chair at Sri Sairam Engineering College.
10. Acted as a session chair in 3rd International Conference on Power Energy Control and Transmission System (ICPECTS 22) held on 9th and 10th DEC22 at Sri SaiRam Engineering College.
11. Received Best Skill Rack Performance Mentor Certificate - 2022
12. Reviewer in International Journal of Applied Power Engineering
13. Reviewer in International Journal of Photoenergy
14. Reviewer in International Journal of Power Electronics
15. Reviewer in Hindwi
16. Question paper setter in Pondicherry University
17. Question paper setter in Excel Engineering College
18. Reviewer in International Journal of Measurement and Control
19. Reviewer in Scientific Reports
20. Reviewer in IET Electrical Systems in Transportation

ACADEMIC RESPONSIBILITIES

1. Department Research Centre Coordinator
2. Department Creative Innovator
3. Department Website Coordinator
4. Department BoS member
5. Department Criteria Incharge for NAAC 3
6. Department Criteria 3 Member for NBA
7. Department KANBAN Board Incharge
8. Class coordinator and Year Coordinator of 2027 Batch
9. Department Objective File Incharge
10. Department Outside Interaction File Incharge

11. Department Symposium Coordinator – 2023
12. Institution Scope member in Jal Sakthi Project
13. Actively involved in all Departmental Activities like Technical Symposium, Industrial Visit, Educational Tours, Workshops and Seminars

EVENTS ORGANIZED

1. Organized Distinguished Technical Lecture “Emergent Digital Substations: Principles, Applications and Standards” on 12.09.2025 with IEEE PES SBC.
2. Organized Seminar on “Collaborate with IEEE Collabratec” on 25.04.2025 with IEEE PES SBC
3. Organized Membership Drive for IEEE PELS SBC on 11.08.2025
4. Organized Awareness Program on “Recent Leveraging Technologies for Core Employability” on 12.2.2025 with IEEE PELS SBC
5. Organized a session “UrbanThink 2025: Designing Cities that Feel Human” in Genesis 2.0 from 31.07.202-1.10.2025 with IEEE HKN Nu Eta Chapter
6. Organized Distinguished Technical Lecture "Design of Power Electronics Controllers for Wind Energy Conversion Systems" with IEEE PELS SEC SB Chapter on 20th JUN 2025
7. Organized “BIS Sponsored Programme “ Technex Standards 3.0” on 06.03.2025
8. Organized Various sessions for School students in S2T 5.0 edition with IEEE EDS SEC SB Chapter on 9th JAN 2025
9. Organized Alumni Talk on “Brain Waves Unlock your Coding and Aptitude Skills” on 31st AUG 2024
10. Organized “BIS Sponsored Programme “ The Electrifying Journey of DC Machines” on 19th SEP 2024
11. Organized “SustainFest: An Exhibition Promoting Sustainability” in Genesis 1.0 - 2 Days Annual Symposium funded by IEEE HTB
12. Organized “IEEE WIE Day” with IEEE WIE SEC 2nd July 2024
13. Organized Faculty Orientation Program “ IGNITE” with Innovation Eco System from 23rd to 25th May 2024
14. Organized Webinar on “World Standard Day” with IEEE PES SEC SB Chapter on 12th OCT 2023
15. Organized Webinar on “Role of Machine Learning in Power Electronics” with IEEE PELS SEC SB Chapter on 20th JUN 2023

16. Organized “Overview of Battery Management Systems for Electric Vehicles” with IEEE PELS SEC SB Chapter on 28th FEB 2023
17. Organized Webinar on “GATE Awareness Program” with IEEE PELS SEC SB Chapter on 26th AUG 2022