SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Email: shalini.eee@sairam.edu.in

Name: **Ms**. **J.SHALINI PRIYA**.	
Designation:	Associate Professor
Qualification:	M.E.
Area of Specialization:	Power Electronics and Drives
Experience:	Teaching- 16.6yrs
	Industry/Polytechnic: Nil
Number of Workshops/ Conferences/ FDP Attended:	Workshop/STTP/ Seminar : 11 FDP - 33 National conference- 3. International Conference- 30

Publication:
 	
Patent
 	
Proposals
Funding Project
	Journal:
	    National: -
	    International: -2
	Published - 4
	Grant - 1
	4- Submitted
	1

Research Guidance:	-

Total Teaching Experience -16.3 years

PROFESSIONAL EXPERIENCE:

Sl No.	Name of the college	Position held	Period	
			From	**To**
1.	Sri Sairam Engineering College	Assistant Professor	July 2011	Till date
2.	P.B.College of Engineering	Lecturer	July 2009	June 2011

AREAS OF INTEREST

- ❖ Analog Electronics
- ❖ Power Electronics and Drives
- ❖ Renewable Energy Systems
- ❖ Distribution Generation and Microgrid
- ❖ Machine Learning in Power Systems

FUNDED PROJECTS

The Project titled **Next-gen RO purifier with smart TDS adjustment & sustainable water dispensing (25-T4G-182) has been funded with the amount of US $6,217.00** under the IEEE Humanitarian Technologies Tech4Good as a Co- Principal Investigator /Project Lead during the year 18-August-25 to 18-February-26.

AWARDS

1. Received **an Award** From **International Achievers Award - 2025 for BEST IPR HOLDER AWARD** Organized by **"SILAMPOLI FOUNDATION" From MSME. (Micro Small and Medium Enterprises).**

2. **InSc Awards for projects titled "Smart Wearable for Pulmonary Fibrosis Patient Monitoring With Oxygen Saturation Prediction "**under **Student Project Programme 2022 (SPP)**

3. **InSc Award 2022-** Certified for the Project Titled with **"Smart Farming Using IoT "** under **Student Project Programme 2022 (SPP)**

4. **InSc Award 2021-** Certified for the Project Titled with **"Automated Fire and Gas Detection along with Fire Extinguishing System Using Raspberry Pi"** under **Student Project Programme 2021 (SPP)**

PATENT

1. **Published a patent based on ":SOLAR BASED VENDING MACHINE", Appln No.202441101294, dated: 03/01/2025**

2. **Patent Grant of "AN AUTOMATIC WET GRINDING APPARATUS", Appln no. 202241075488, dated: 26/12/2022 with Granted Application, Patent Number :544684 Dated on 11/7/2024.**

3. **Published a patent based on ": AIoT BASED AUTOMATIC GREENHOUSE MONITORING AND CONTROL SYSTEM", Appln no. 202341036137, dated: 16/06/2023**

4. **Published a patent on " MACHINE LEARNING TECHNIQUE AND SYSTEM FOR SOLVING A PREDICTION PROBLEM Application No. 202141047297- Nov 2021**

5. **Published a patent on " A Smart Bill Generator in Digitalized Super Market, Application No. 202041045439 2020**

INTERNATIONAL JOURNAL

1. J.Shalini Priya G.Yuva Sudhakaran , K.Balaji , Saikrish Thangappan , Published a Paper titled **Beach Cleaning Bot Based on Region Monitoring Using Raspberry Pi** in Test Engineering & Management November- December 2019 ISSN: Page No 3569-3573.

2. L. Haritha J. Shalini Priya, A. Ambika Published a paper titled "**Fuzzy Logic Controller Based MPPT for Photovoltaic System Using ZETA Converter**" in **International Journal of Pure and Applied Mathematics, Volume 119 No. 12 2018, 2905-2911, ISSN: 1314-3395 (on-line version)**

INTERNATIONAL CONFERENCE

1. J. S. Priya, R. Rengaraj and S. Thennarasu, "Wind Power Forecasting with Machine Learning: A Comprehensive Overview," 2025 International Conference on Computing and Communication Technologies (ICCCT), Chennai, India, 2025, pp. 1-5, doi: 10.1109/ICCCT63501.2025.11019417.

2. G. B. Raj, J. S. Priya, R. D. Jadhav, V. P. S, A. K. Koshariya and K. Sucharitha, "An Enhanced Extreme Learning Machine for Crop Yield Prediction," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-4, doi: 10.1109/ICPECTS62210.2024.10780281.

3. M. R. G., R. S, S. Kumar, J. S. Priya, M. M. Keerthi and B. S. Kumar, "Poultry Diseases Diagnostics using Deep Learning Techniques," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-4, doi: 10.1109/ICPECTS62210.2024.10780092.

4. T. B. P. Reddy, R. Rajagopal, S. Phani, P. Rajesh, A. K. Sharma and J. S. Priya, "Development of Artificial Intelligence Assisted Hybrid Learning Scheme to Predict Parkinson Disease with Improved Accuracy," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICPECTS62210.2024.10780378.

5. J. S. Priya, A. Ambika, S. Thennarasu, K. S, K. R. S and S. S, "Arduino Based Internal Fault Detector for Cables and Wires," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-4, doi: 10.1109/ICPECTS62210.2024.10780234.

6. G. Guna, V. A. Rani, A. Manonmani, P. Yuvaraj, J. S. Priya and A. Ambika, "Efficient Design and Analysis of Inverse Definite Minimum Time Overcurrent Relay: A Matlab Approach," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-5, doi: 10.1109/ICPECTS62210.2024.10780059.

7. A. Ambika, M. P. Dharsaun, J. S. Priya, T. Porselvi, C. Nayanathara and S. Thennarasu, "Powering the EV Revolution: Charging Infrastructure Challenges and Innovations," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICPECTS62210.2024.10780315.

8. V. A. Rani, G. Guna, A. Manonmani, P. Yuvaraj and J. S. Priya, "Intelligent Decision Making In Molasses Extraction Through Neural Network Modeling and Fuzzy Logic Control," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-8, doi: 10.1109/ICPECTS62210.2024.10780239.

9. S. P. J, A. A, L. V, V. S, J. M and P. A, "Integrated Solar- VAWT Energy System," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-5, doi: 10.1109/ICPECTS62210.2024.10780096.

10. V. Loganathan, S. SreeSubha, T. A. Mohanaprakash, S. Ilavarasan and J. ShaliniPriya, "Data-Driven Personalized Pregnancy Care: Exploratory Data Analysis and Ensemble Learning or Personalized Prediction of Gestational Diabetes," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-10, doi: 10.1109/ICPECTS62210.2024.10780356.

11. Industrial Automation Using IoT Porselvi, T., Saranraj, A.K., Rikthish, B.P., ...Priya, S., Hemalatha 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023.

12. Cold Supply Chain Logistics with IoT to Ensure Quality and Security of the Transported Goods Priya, J.S., Hemalatha, M., Porselvi, T., Rethick, T., Naathan, C.B.R. 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023

13. An IoT Enabled Air Pollution Meter with Digital Dashboard on Smartphone Hemalatha, M., Shalini Priya, J., Rajkumar, K., ...Shivashankari, A.M., Jeyashri, R. 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023

14. Convolutional Neural Network for Battery System Monitoring and SOC Estimation for EV Applications Porselvi, T., Priya, J.S., Kurinjimalar, L., ...Nandhi, K.P., Barath Kumar, M. 2023 IEEE 20th India Council International Conference, INDICON 2023, 2023, pp. 561–566.

15. J. Shalini Priya; V. Sridevi; C. Somasundar Reddy; C. Ravindra Murthy, presented a paper entitled " Voltage Regulation in the Grid using Static Synchronous Compensator and IoT Monitoring" in Fourth International Conference on Electronics and Sustainable Communication Systems (ICESC-2023), 06-08 July 2023 at coimbatore, Publisher: IEEE, ISBN: 979-8-3503-0009-3,DOI: 10.1109/ICESC57686.2023.10192950

16. K. Gunasekaran, N. Anbuselvan, J. S. Priya and C. Ravindra Murthy, "IoT based Wind Energy System Monitoring for Maximum Power Generation," 2023 8th International Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, 2023, pp. 396-400, doi: 10.1109/ICCES57224.2023.10192590.

17. T. Porselvi, Nandhagopal.M, Shalini Priya.J, M.Hemalatha, Jaiaksh.S Sai Ganesh.CS Presented a paper entitled "FPGA Based Power Quality Improvement of Grid Connected EV battery System" in 2023 4th International Conference on Signal Processing and Communication (ICSPC) | 23-24 March 2023 | Karunya Institute of Technology and Sciences, Coimbatore, India.

18. Franklin, S., Gunasekaran, K., Rajesh, K, Shalini Priya.J. Multiport Converter based Solar PV System using Flyback Converter, in 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023,

19. Rajesh, K., Shalini Priya, J., Gunasekaran, K., Duraipandy, P Presented the paper entitled " PV system Based interleaved converter for Grid System " at the second international conference on Electrical and Renewable Systems(ICEARS 2023)

20. J.Shalini Priya, S. Thennarasu, M.Hemalatha, M.Karthikeyan, B.Meenakshi, R.Sivaprasad, presented a paper entitled "Voice Based Motile Video Surveillance System with Violence Detection " in 3rd International Conference on Power Energy Control and Transmission Systems 2022

21. J.Shalini Priya , Suraj Kumar K B, T.Porselvi, S.Thennarasu, M.Hemalatha, L.Kurinjimalar, presented a paper entitled "Smart Wearable for Pulmonary Fibrosis Patient Monitoring with Oxygen Saturation Prediction " in 3rd International Conference on Power Energy Control and Transmission Systems 2022

22. M.Hemalatha , J. Shalini Priya, Jeyashri.R, Preethi.S, Dr.T.Porselvi, Suji.S , presented a paper entitled "An Intelligent Authentication System for Improved Security" in 3rd International Conference on Power Energy Control and Transmission Systems 2022

23. Porselvi T , Shalini Priya J , Hemalatha M , Jeeva C , Aishwarya K , Suruthi B presented a paper entitled "Microcontroller Based Wet Grinder System For Domestic Applications " in 3rd International Conference on Power Energy Control and Transmission Systems 2022

24. L.Kurinjimalar, S.Pooja, R.Sivaprasad, Dr.B.Meenakshi , J.Shalini Priya, Dr.T.Porselvi, Presented a paper entitled "DESIGN AND ANALYSIS OF FIFTEEN LEVEL INVERTER FOR RENEWABLE APPLICATIONS " in 3rd International Conference on Power Energy Control and Transmission Systems 2022

25. M.Hemalatha, T.Porselvi, Deepashri.R, Jeyashri.R, L.Kurinjimalar, J.ShaliniPriya. Presented a paper entitled "An Intelligent Reading Aid for Stone blind Individuals" in 3rd International Conference on Power Energy Control and Transmission Systems 2022

26. SIVAPRASAD R, SHRIRANJANI. J, ABINAYA. R, Dr.K PRATHIBA NANDHI, Dr.B.MEENAKSHI, SHALINIPRIYA J, presented a paper entitled "Aegis Surtout " in 3rd International Conference on Power Energy Control and Transmission Systems 2022

27. T. Porselvi, S. Y. Aouthithiye Barathwaj, S. G. CS, S. V. Tresa Sangeetha and J. Shalini Priya, "Deep Learning Based Predictive Analysis of BLDC Motor Control," 2022 IEEE 3rd Global Conference for Advancement in Technology (GCAT), 2022, pp. 1-6, doi: 10.1109/GCAT55367.2022.9972193.

28. Porselvi T[1*], Praveena D[2], Shalini Priya.J[3] ,Hemalatha M[4], Meenakshi B[5], Thennarasu S[6] presented a paper entitled "PV based Multilevel Inverter with 15 Levels using Pod Control Method " in the 2022 International Conference on Communication Computing & internet of things (IC3IoT), 2022, pp. 1-4, doi: 10.1109/IC3IOT53935.2022.9767729

29. S.Deepa Rohini. R.Rengaraj, J.Shalini Priya, Presented a paper entitled on "**A literature Review on Wind Power Forecasting Methods" in the International Conferences on Electrical Science ICES - 21** Conducted by **SNS College of Technology, Coimbatore on 4th and 5th March 2021**

30. J Shalini Priya, KT Balaji, Saikrish Thangappan, G Yuva Sudhakaran, presented a Paper titled on **"Beach Cleaning Bot Based On Region Monitoring in the 2019 International**

Conference on Computation of Power,Energy, Information and Communication (ICCPEIC) '' 978-1-7281-0837-7/19/$31.00 ©2019 IEEE

NATIONAL CONFERENCE

1. SHALINI PRIYA J,VAITHEESWARAN, M PADMANABHAN N D, MANIKANDAN S,presented and published a paper titled **Local Navigation for Visually Impaired** in the proceedings of **4th national conference on Recent Trends on Power and Energy Engineering RTPEE-2023** organized by Department of Electrical and Electronics Engineering Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam during February 23-24 , 2023

2. J Shalini Priya, KT Balaji, Saikrish Thangappan, G Yuva Sudhakaran, presented a paper titled**" Beach Cleaning Bot based on region monitoring"** in the national level conference on advance in Electrical and Electronics Engineering **NCAEEE-2019** organized by the department of Electrical and Electronics Engineering, Sri Venkateswara College of Engineering, Pennalur Sriperumbudhur on 29th March 2019

3. Presented a paper titled **"A Unity Power Factor Correction Pre-regulator with fast dynamic response using dsPIC "** in the National Level Conference on Emerging Techniques in Electrical Engineering organized by St.Joseph's College of Engineering, Chennai,Pennalur,

PROPOSAL SUBMITTED

1. Submitted a proposal titled **Next-gen RO purifier with smart TDS adjustment & sustainable water dispensing (25-T4G-182)** in IEEE Sight - 2025 IEEE HTB Tech4Good Projects

2. Submitted a Thouway Project Proposal titled "Build a rechargeable, level sensor for both liquid and solid which has a capability to send SMS to a set of numbers informing when the level is ready for refill" . PALS PMO

3. Submitted a proposal titled "Heuristic Approach for Power Quality optimization in Hybrid Wind and Solar Energy System using Artificial Intelligence" to MNRE (Ministry of New and Renewable Energy) Government of India (R&D Division) (RE-RTD-2022) dated on 15th Aug2022 , Application No., MNRE/A/2022/2326

4. Submitted a Proposal based on "LOCAL NAVIGATION FOR VISUALLY IMPAIRED" for MSME Idea Hackathon 2.0.

5. Submitted a proposal titled "SMART FARMING USING IoT" to TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, (TNSCST) a PROJECT PROPOSAL FOR STUDENT PROJECTS SCHEME (2021-2022)

FDP

1. Completed NPTEL Online Certification Course Successfully and Faculty Development Programme in "**Power Electronics with Wide Band Gap Devices"** an 12 week course during the period July 2025- Oct 2025. with a consolidated score of 76% (Elite+Silver)
2. Completed NPTEL Online Certification Course Successfully and Faculty Development Programme in "**Computer Networks And Internet Protocol"** an 12 week course during the period Jan 2025- April 2025.

3. Participated & Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Electric Vehicles: Technological Innovations and Market Trends** at SAVEETHA ENGINEERING COLLEGE from 02/12/2024 to 07/12/2024

4. Participated in the Five Days Faculty Development Programme on " **Recent Advancements, Challenges and Simulation Methodologies in Power Electronics Applications"** from 5th August to 9th August 2024 Organized by in association with *IEEE Power Electronics Society (PELS35)Student Branch Chapter (SBC61471A)* Rajalakshmi Engineering College Chennai.

5. Participated in the AICTE Recognized Faculty Development Programme on Curriculum Design for Outcome Based Education Conducted by Curriculum Development Centre Department from 03/06/2024 to 07/06/2024 (One Week) at NITTTR, Chandigarh

6. Completed NPTEL Online Certification Course with Elite and Faculty Development Programme Successfully in "**Design of Power Electronics Converters"** an 8 week course during the period Jan 2024- April 2024.

7. Completed NPTEL Online Certification Course and Faculty Development Programme Successfully in **"Python for Data Science"** an 4 week course during the period Jan 2024- March 2024.

8. Participated in the Six Days Workshop on Unleashing the Potential of AI in Power Faculty: From Monitoring to Neuro Classifier with Hands-on" Sponsored by Scheme of Promotion of Academic and research Collaboration (SPARC) Organized by Department of Electrical and Electronics Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, during 26th Feb 2024 to 2nd Mar 2024.

9. Took Part in the six day Faculty Development Programme on EE3032 Energy Storage Systems conducted in Physical Mode by the Department of Electrical & Electronics Engineering at Sri Sairam Engineering College Chennai From 05-02-2024 to 10.02.2024.

10. Completed NPTEL Online Certification Course with Elite+Silver and Faculty Development Programme Successfully in **"DC Microgrid and Control System"** during the period of 3 months from July 2023 - Sep 2023

11. Completed NPTEL Online Certification Course and Faculty Development Programme Successfully in **"Introduction to Machine Learning (Tamil)"** during the period of 3 months from Jan- Mar 2023

12. Participated in a one week Virtual Faculty Development Program on "**Bio-Medical Sensors and Signal Processing"** conducted by the Department of Electronics and Communication Engineering from 9th January 2023 to 13th January 2023.at Loyola Institute of Technology.

13. Participated in the Faculty Development Programme (FDP) on '**Renewable Energy Systems Laboratory'** organized by the Department of Electrical and Electronics Engineering during 26th – 29th September, 2022.

14. Participated in the Faculty Development Programme on **"Recent Advances in Deep Learning and its Applications"** Organized by **Machine Learning Research Group , SSN College of Engineering,** during March 7-11,2022

15. The IEEE Student Branch supported a six days online workshop on **"Design Challenges on Motors & Controllers for EV Applications"** conducted by the Department of Electrical and Electronics Engineering, St. Joseph's Institute of Technology from 28/02/2022 to 05/03/2022 .

16. Participated and Successfully Completed **AICTE Training And Learning (ATAL) Academy** Online Elementary FDP on **"Signal Processing for 5G - Algorithms and Implementation" from 09/08/2021 to 13/08/2021 at Indian Institute of Technology, Goa.**

17. Participated and Successfully Completed the 5-day online FDP on the theme **"Inculcating Universal Human Values in Technical Education"** organized by **All India Council for Technical Education(AICTE) from 12 July, 2021 to 16 July, 2021.**

18. Participated & Completed Successfully **AICTE Training And Learning (ATAL) Academy** Online Elementary FDP on **"MEMS Technology & Micro sensors" from 2021-07-26 to 2021-07-30 at National Institute of Technology Meghalaya.**

19. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on **"Stress-management"** from 1st February to 5th February 2021 at GOVERNMENT COLLEGE OF ENGINEERING - SRIRANGAM.

20. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on **"Electric Vehicles"** from 25th January to 29th January 2021 at National Institute of Technology Calicut.

21. Participated in the AICTE Sponsored online two weeks FDP Programme on **Enhancement on Data Analytics for Smart Grid (Series 2)** from 30th November to 12th December 2020 Organized by the Department of Electrical and Electronics Engineering, K.L.N College of Engineering.

22. Participated in the Faculty Development Programme on "1905402-Electric Machines-II" conducted by the Department of Electrical & Electronics Engineering of SRM Valliammai Engineering College From 23rd November , 2020 to 28th November , 2020.

23. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on **"Energy Engineering"** from 17th September to 21st September 2020 at VELAMMAL ENGINEERING COLLEGE.

24. Participated in the Online Faculty Development Program for the course on **Computer Science & Business Systems'** designed by Tata Consultancy Services, conducted on 11th & 12th August 2020

25. Attended the **ISTE Sponsored Faculty Development Programme** on **"Artificial Intelligence "**held on 5th to 11th December 2019.

26. Attended the Faculty Development Programme on **Modelling, Simulation, Control and Applications of Power Electronic Converters** held on 25th to 29th November 2019 at QIS College of Engineering & Technology (Autonomous)

27. Attended the **ISTE Sponsored Faculty Development programme** on "**Renewable Energy Systems**" held from 22nd to 26th July 2019 at Sri Sairam Engineering College , Chennai

28. Completed the Course Successfully and provided with FDP certificate From **NPTEL - AICTE in Fundamental of Electric Drives with a consolidated Score of 66% (Elite)** during the period July to November 2019 funded by ministry of HRD Govt of India

29. Attended "**Anna University Sponsored two weeks Faculty Development Programme**" on Transmission and distribution at Sri Sairam Engineering College from 3rd to 15th December 2018.

30. Attended National Level Faculty Development Programme on **Electrical Simulation Software (FDP17)** from 6th November 2017 to 10th November 2017 held at Department of EEE in association with **IEEE Power and Energy Society Student Branch** , Sri Sairam Engineering College

31. Attended national level FDP on **Teaching Excellence in Engineering & Management Curriculum**, Sri Sairam Institute of Management Studies at Sri Sai Ram Engineering College held on 20th &21st June 2016

32. Attended the Faculty Development Programme on Applications of FACTS in Power Electronics & Power System held at Sri Sairam Engineering College on 27th February 2013.

33. Faculty Development Programme on **"MATLAB Applications in Electrical Engineering"** on 7th March 2012 organised by the Department of Electrical and Electronics Engineering, Sri Sai Ram Engineering College.

WORKSHOP/STTP/ SEMINAR

1. Participated in the Pre-Conference Workshop titled "Image and Video Analysis - V3.0", conducted as a part of IFIP International Conference on Computational Intelligence in Data Science (ICCIDS-2023) organized by the Department of Computer Science and Engineering, SSN College of Engineering, held on 23rd February 2023.

2. Participated in IP Awareness/Training program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION** on February 16,2023.Jointly Organized by **Intellectual Property Office and MoE's Innovation Cell, India**

3. Participated in the **Celebration of Science Festival (Vigyan Utsav) as a part of Celebration of 75th Year of Independence (Azadi ka Amrit Mahotsav) under the theme of "Science**

Communication & Popularisation" conducted on 7th February 2022 organized by **Tamil Nadu State Council for Science and Technology, Chennai**

4. Participated 12 Hrs **in IGEN GREEN9 SDG CONCLAVE 2020** – Two days 16 Hrs 14 partners, **innovative session on SDG 7,9&13 on 2nd and 3rd October 2020** organized by Institution of Green Engineers, **Energy Efficiency Research Green Group 9** in association with 14 Institutional Partners

5. Participated in the One day Workshop on "Intellectual Property Rights & innovations" Organized by Sri Sairam Engineering College , Chennai and in association with Centre for intellectual Property Rights CIPR, Anna University, Chennai on 20th July 2019

6. Undergone value Added Training Programme on Arduino and Raspberry Pi in IoT Environment from 25th to 27th August 2018 at **RETECH SOLUTIONS PVT LTD**

7. Participated in **Entrepreneurship Awareness Camp (EAC)** Sponsored by NSTEBD, Department of Science and Technology, Government of India , New Delhi and organized by **IEDC,** Sri Sai Ram Engineering College during the period 18th to 20th March 2015

8. Attended "**National Level Short Term training Programme on MSP430 Launch Pad Based on Embedded System Design**" conducted at VIT University during 27th Sep 2014 to 28th Sep 2014

9. Participated in National seminar on **Current Trends and Future Role of Renewable Energy** at Sri Sai Ram Engineering College held on 8th and 9th October 2013

10. .Attended a short term training program on **"Power System Protection and Control"** in association with Ohm Energy Management System Pvt.LtdSIPCOT Industrial Estate, Irungattukottai on Feb 2010. at P.B College of Engineering,, Sriperumbudur

11. Attended One Day Workshop on **"Syncopated Approach & Skill Matrix In Effective Communication"** on Jan 2010 in P.B College of Engineering Irungattukottai, Sriperumbudur

NPTEL COURSES/ NITTT MODULES

1. Completed NPTEL Online Certification Course in "Power System Protection and Switchgear an 12 week course during the period July 2025- Oct 2025. with a consolidated score of 76% (Elite+Silver)

2. Completed NPTEL Online Certification Course in "**Power Electronics with Wide Band Gap Devices"** an 12 week course during the period July 2025- Oct 2025. with a consolidated score of 76% (Elite+Silver)

3. Completed the Six months Course Artificial Intelligence and Edge Computing from 11th December 2024 to 22nd May 2025 through IITM Pravartak Technology Foundation (Technology Innovation Hub of IIT Madras)& L&T Edutech

4. Successfully Completed NPTEL Online Certification Course in "**Computer Networks And Internet Protocol"** during Jan 2025- April 2025

5. Completed NPTEL Online Certification Course in "**Power System Engineering"** during Jan 2025- April 2025

6. Completed NPTEL Online Certification Course in Basic Electrical Circuits **with Elite** during July - Oct 2024.

7. Completed NPTEL Online Certification Course and Faculty Development Programme Successfully in **Design of Power Electronics Converters with Elite + Silver** during Feb - Apr 2024.

8. Completed NPTEL Online Certification Course and Faculty Development Programme Successfully in **Phyton for Data Science** during Jan 2024 - Feb 2024

9. Completed NPTEL Online Certification Course and Faculty Development Programme Successfully in **DC Microgrid and Control System with Elite +Silver** during July 2023 - Sep 2023

10. Completed NPTEL Online Certification Course Successfully in **Introduction to Machine Learning (Tamil)**. during Jan- Mar 2023

11. Completed online course with Elite plus Silver on **Analog Circuits with Elite + Silver** conducted by NPTEL-SWAYAM during Jan – March 2021 with a consolidated score of 84%

12. Completed online course with Elite on **Fundamentals of Electric Drives** conducted by NPTEL-SWAYAM during July – Sep 2019

13. Successfully Completed 8 Modules in NITTT (National Initiative for Technical Teachers Training and Certified by AICTE.

FACULTY ACHIEVEMENTS

1. **Acted as Reviewer in 5th IEEE International Conference on Computing and Communication Technologies (ICCCT'25), held on 16th and 17th April 2025, at Sri Sairam Engineering College.**
2.
3. **Acted as Reviewer in 4**[th] International Conference on Power Energy Control and Transmission System (ICPECTS 24) and acted as publication Chair **at Sri Sairam Engineering College.**

4. **Acted as publication chair in 4**[th] International Conference on Power Energy Control and Transmission System (ICPECTS 24) **held on 10 - 11**[th] **OCT 2024 at Sri Sairam Engineering College.**

5. **Acted as Reviewer in 10**[th] **International Conference on Electrical Energy System(ICEES) held on 22 - 24 Aug 2024 at Sri Sivasubramaniya Nadar College of Engineering.**

6. **Acted as a Judge in the standards Parliament of the BIS Standard Club SC-4487-ProSafTechFest(Product Safety Technical Fest on Standards)- held on 4th Feb 2024 Conducted by IPR Cell at Sri Sairam Engineering College in association with BIS.**

7. **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.**

INDUSTRY COLLABORATION

1. **Undergone an Internship at Kasa Anlagen at Thirumudivakkam, for 10 days**
2. **Visited the SIEMENS GAMESA RENEWABLE POWER PRIVATE LIMITED, MADURANTHAGAM on 3rd MARCH 2023.**

PROFESSIONAL BODIES

1. IEEE Member since 2021
2. ISTE member since 2020

ACADEMIC RESPONSIBILITIES

1. One of the SCOPE member in IPR CELL- Propagator
2. One of the member in Women Empowerment Cell
3. One of the Scope member in GATE 2024- Executer
4. Department Criteria Incharge for NAAC 6
5. Department Criteria 3 Member for NBA
6. Department Coordinator for ICT Academy Women Empowerment.(2022-2023)
7. ISO Auditor for Internal Audit
8. Department Coordinator for Induction Program Cell -SIP Coordinator
9. Department Coordinator for Value Added Course.- (2022-2024)
10. Department Coordinator for SPDP Coordinator
11. Lab-In Charge for Analog Electronics .

EVENTS ORGANIZED

1. Conducted IP Clinic Phase III 2025 and Phase I 2026 and during the Year 20256-2026
2. Conducted IP day during April 2025
3. Organized International Conference on Power Energy Control and Transmission System (ICPECTS 24) and acted as publication Chair.
4. PELS DAY EVENT 2024
5. Conducted Boot CAMP on Image Processing under CAS Society.
6. PELS DAY EVENT 2023
7. World IP DAY 2024
8. Organized PES Day
9. Organized an online event on March 8th 2023 on account of Women's day, a talk on Women Empowerment in association with IEEE PELS SEC SB Chapter.

10. Co-ordinated in conducting the Intellectual Property Awareness program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION on February 16,2023 Jointly Organized by Intellectual Property Office and MoE's Innovation Cell, India.

11. Organized hands on Training on Optimization with Linear Programming in association with IEEE PELS SEC SB Chapter on 23.05.2022.

12. Organized webinar on MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATORS in association with MHRD INSTITUTION INNOVATION COUNCIL(SEC-IIC) on 16th December 2020