


SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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Name: Ms. J.Shalini Priya.	
Designation:	Assistant Professor
Qualification:	M.E.
Area of Specialization:	Power Electronics and Drives
Experience:	Teaching- 13 yrs
	Industry/Polytechnic: Nil
Number of Workshops/ Conferences/ FDP Attended:	Workshop/STTP/ Seminar : 8 FDP - 21 National conference- 2 International Conference- 8
Publication:	Journal: National: - International: -2
Research Guidance:	

Total Teaching Experience -13.4 years

EXPERIENCE:

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

PATENT

1. **Published a patent based on "AN AUTOMATIC WET GRINDING APPARATUS", Appln no. 202241075488, dated: 26/12/2022**
2. **Published a patent on “ MACHINE LEARNING TECHNIQUE AND SYSTEM FOR SOLVING A PREDICTION PROBLEM Application No. 202141047297- Nov 2021**
3. **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)**

CONFERENCE

1. 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
2. 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
3. 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
4. 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
5. 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

6. 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
7. 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
8. 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.
9. Porselvi T^{1*}, Praveena D², Shalini Priya.J³, Hemalatha M⁴, Meenakshi B⁵, Thennarasu S⁶ 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
10. 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**
11. 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
12. 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
13. Pennalur, 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

PROPOSAL SUBMITTED

1. 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
2. Submitted a Proposal based on "LOCAL NAVIGATION FOR VISUALLY IMPAIRED" for MSME Idea Hackathon 2.0.
3. 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. 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.
2. 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
3. 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 .
4. 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.
5. 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.
6. 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**.
7. 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**.
8. 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**.

9. 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.
10. 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.
11. 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.
12. 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
13. Attended the **ISTE Sponsored Faculty Development Programme** on “**Artificial Intelligence**” held on 5th to 11th December 2019.
14. 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)
15. Attended the **ISTE Sponsored Faculty Development programme** on “**Renewable Energy Systems**” held from 22nd to 26th July 2019 at Sri Sairam Engineering College , Chennai
16. 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
17. Attended “**Anna University Sponsored two weeks Faculty Development Programme**” on Transmission and distribution at Sri Sairam Engineering College from 3rd to 15th December 2018.
18. 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
19. 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
20. Attended the Faculty Development Programme on Applications of FACTS in Power Electronics & Power System held at Sri Sairam Engineering College on 27th February 2013.

21. 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 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**
2. 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**
3. 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
4. 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
5. Undergone value Added Training Programme on Arduino and Raspberry Pi in IoT Environment from 25th to 27th August 2018 at **RETECH SOLUTIONS PVT LTD**
6. 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
7. 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
8. 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
9. .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
10. 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

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1. Completed online course with Elite plus Silver on **Analog Circuits** conducted by NPTEL-SWAYAM during Jan – March 2021
 2. Completed online course with Elite on **Fundamentals of Electric Drives** conducted by NPTEL-SWAYAM during July – Sep 2019
 3. Completed Module 4 : Instructional Planning and Delivery conducted by NITTT
 4. Completed Module 1 : Instructional Planning and Delivery conducted by NITTT
 5. Completed Module 3 : Instructional Planning and Delivery conducted by NITTT
 6. Completed Module 5 : Instructional Planning and Delivery conducted by NITTT

FACULTY ACHIEVEMENTS

1. Participated as a Mentor in Round 1 at **YUVA innovators Challenge 2021 a National Level Competition Organized by Yuva Incubated Powered by K.I.T.E.S Education**
2. **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)**
3. **InSc Award 2022-** Certified for the Project Titled with “**Smart Farming Using IoT** ” under **Student Project Programme 2022 (SPP)**
4. **InSc Awards for projects titled "Smart Wearable for Pulmonary Fibrosis Patient Monitoring With Oxygen Saturation Prediction "**under **Student Project Programme 2022 (SPP)**
5. **Acted as a session chair in ICPECTS 2022 at Sri SaiRam Engineering College.**

INTERNSHIP

1. **Undergone an internship at Kasa Anlagen at Thirumudivakkam, for 10 days**

ACADEMIC RESPONSIBILITIES

1. One of the SCOPE member in IPR CELL- Propagator
2. Department Criteria Incharge for NAAC 6
3. Department Criteria3 Member for NBA
4. Department Coordinator for Wowww Cell and SoME
5. Department Coordinator for ICT Academy Women Empowerment.
6. ISO Auditor for Internal Audit

7. Department Coordinator for GATE 2023
8. Department Coordinator for Induction Program Cell -SIP Coordinator
9. Department Coordinator for Value Added Course.
10. Department Coordinator for SPDP Coordinator
11. Lab-In Charge for Analog Electronics

PROFESSIONAL BODIES

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

EVENTS ORGANIZED

1. 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.
2. 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.
3. Organized hands on Training on Optimization with Linear Programming in association with IEEE PELS SEC SB Chapter on 23.05.2022.
4. Organized webinar on MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATORS in association with MHRD INSTITUTION INNOVATION COUNCIL(SEC-IIC) on 16th December 2020