SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Name: V. Malini malini.eee@sairam.edu.in	
Designation:	Assistant Professor - Sandal
Qualification:	M.E.
Area of Specialization:	Power Systems Engineering
Experience:	Teaching- 15Years 3 months
	Industry/Polytechnic: Nil
Number of Workshops/ Conferences/Seminar/ Online Courses/FDP Attended:	Faculty Development Program –26
	International Conference – 8 National Conference – 3 National Seminar -1 Online -Courses- 15 Training -1
	Workshop - 3 Webinar-2
Publication:	**Journal:** National Journal:2 International Journal: 4
	Conference: National Conference: 3 International Conference: 8
NITTT MODULES	Module1 Module3 Module4 Module5
Research Guidance:	----
General:	---
Staff Achievement	1. Plan, Design, Commissioning, and Installation of the Electrical Machines I & II Lab (SPCE) 2. Plan, Design, Commissioning and Installation of the Control and Instrumentation Lab (SPCE) 3. Plan, Design, Commissioning, and Installation of the Power Electronics Lab (SPCE)

Professional Experience:

Sl. No	Name of the Post	Employer	Period of Employment				Teaching/ Industrial/ Research
			From	To	Years	Months	
1.	Senior Lecturer	Sri Padmavathy College of Engineering (SPCE)	Jun-1999	Jun-2004	5	0	Teaching
2	Lecturer	Tagore Engineering College (TEC)	Dec-2007	May-2008	0	6	Teaching
3	Assistant Professor Grade III	Sri Sairam Engineering College	May-2013	Till Date	9	9	Teaching

MEMBERSHIP DETAILS:

ISTE Membership No (Life Member)**: LM 131488**
IEEE Membership No   :98072286

ACADEMIC ACHIEVEMENTS:

- Achieved 100% result in Power Quality in the academic year 2013 - 2014.
- Achieved 100% result in Special Electrical Machines in the academic year 2015 - 2016.
- Achieved 100% result in High Voltage Engineering, Electronic Devices and Circuits and Power System transients in the academic year 2016 - 2017.

WORKSHOP:

1. Attended National workshop on "**Research Methodologies in Deregulated Power System**" at Easwari Engineering College on 1st November 2011.
2. Attended one day workshop on **"Intellectual Property Rights &Innovations"** on 20.07.2019.
3. Attended one day workshop on **"Ideathon and Proposal Writing Workshop"** organized by Rural Technology Action Group, IIT Madras on 19.12.2020.

NATIONAL SEMINAR, TRAINING & WEBINAR:

1. Attended "**Modelling and Simulation of Electrical Systems**" in a AICTE Sponsored Three days National Seminar at Sri Venkateshwara College of Engineering, Sriperumbudur, From 13th March to 15th March 2003.
2. Attended training program on "Arduino and Raspberry Pi in IoT Environment" from 25.07. 2018 to 27.07.2018.
3. Attended webinar on "Covid -19: Financial Planning for Working Professionals" conducted by Sri Sairam Engineering College, West Tambaram, Chennai-44, on 10.06.2020.
4. Attended Webinar on "IoT Design Methodologies" 19.11.2022

ONLINE COURSES:

1. COVI19-Contact Tracing – Coursera

2. Motor and Motor Control Circuits- Coursera

3. AI for Everyone - Coursera

4. Spreadsheets for beginners using Google Sheets- Coursera

5. Natural Gas- Coursera

6. Electric Power Systems -Coursera

7. Introduction to Google Docs -Coursera

8. Quantum Mechanics- Coursera

9. The Suatainable Development Goals-A Global Transdisciplinary Vision for the Future - Coursera

10. Safety in Utility Industry- Coursera

11. Wind Energy -Coursera

12. Completed **UDEMY** – **"Deep Learning A-Z hands - On Artificial Neural Networks"** on November 2019.
13. NPTEL online certification for the course "**Introduction to Smart Grid"** from Aug 2018 to Sep2018**.**
14. NPTEL online certification for the course "**Recent Advances in transmission Insulators"** fromJan 2021 to Feb 2021
15. NPTEL online certification for the course "**Intellectual property Rights and Competition Law"** from Aug 2022 to Sep 2022**.**

PATENT:

1. "AN INTELLIGENT SMART STREET LIGHT SYSTEM WITH SAFETY TECHNOLOGY AND ENVIRONMENT MONITORING" application number 202041047228 on 29.10.2020.
2. High Secured Remote Patient Monitoring System Using IoT, Cloud Computing and AI, application number 202141044795 on 15.10.2021.

BOOK / CHAPTER PUBLICATION:

1. Chapter published in Recent Trends in Engineering and Technology **"A Perspective Approach to the Challenges and Solutions to Smart Grid Technological Issues"** ISBN-9788194714989.

FACULTY DEVELOPMENT PROGRAMME:

1. Attended Faculty Development Program in "**RE-Engineering Teaching Communication Skills**" conducted by Anna university at College of Engineering, Guindy, From 9th Feb to 10th Feb 2004.
2. Attended Faculty Development Program in **"MATLAB Simulation of Power Electronic Circuits"** conducted by Sri Sairam Engineering College, West Tambaram, Chennai-44, From 21st Apr to 23rd Apr 2015.
3. Attended Faculty Development Program in **"Digital Simulation of Power Electronic Circuits Through PSPICE Software"** conducted by Sri Sairam Engineering College, West Tambaram, Chennai-44, From 15thJuly to 18th July2015.
4. Attended Faculty Development Program in **"Electrical Simulation Software" conducted** by Sri Sairam Engineering College, West Tambaram, Chennai-44, From 06th Nov to 10th Nov 2017.
5. Attended Faculty Development Program in **"Analysis of Power System Protection and Automation – Current Scenario"** conducted by KCG College of Technology, Karapakkam, From 26th Nov to 09th Dec 2017
6. Attended Faculty Development Program in **"Power Electronics for Renewable Energy Systems"** conducted by Tagore Engineering college, Chennai, From 18th Jan to 20th Jan 2018.
7. Attended 8 weeks **NPTEL** online certification course in **"Introduction to Smart Grid"** from August 2018 to Sep 2018.
8. Attended Faculty Development Program in **"Engineering Teaching Pedagogy and Teaching Learning Process"** conducted by Sri Sairam Engineering College, West Tambaram, Chennai-44, From 03rd Dec to 07thDec 2018.
9. Attended ISTE sponsored Faculty Development Program in **"Process Modelling and Control"** conducted by Sri Sairam Engineering College, West Tambaram, Chennai-44, From 11th June to 15thJune 2019.
10. Attended Faculty Development Program in **"Embedded Control System & Communication Networks"** conducted by SRM Valliammai Engineering College, Kattankulathur, From11thMay to 15thMay 2020.
11. Attended two weeks Faculty Development Program in **"Recent Innovations in Electrical, Electronics, Instrumentation, Automation & Teaching Pedagogy"** conducted by Sri Sairam Engineering College, West Tambaram, Chennai-44, From 18th May to 30th May 2020.
12. Attended Faculty Development Program in **"Next Generation Intelligence"** conducted by St. Peter's Institute of Higher Education and Research From 20thMay to 25thMay 2020.
13. Attended ATAL Online Faculty Development Program in **"Electric Vehicles"** conducted by All India Shri Shivaji Memorial Society's College of Engineering, Pune, From5.10.2020 to 9.10.2020.
14. Attended Short Term Training Program on **"Modelling & Simulation of Renewable Energy Systems using MATLAB"** conducted by Misrimal Navajee Munoth Jain Engineering College from 2.11.2020 to 7.11.2020 (Phase II).
15. Attended ATAL Online Faculty Development Program in **"Green Technology & Sustainability Engineering"** conducted by Gautam Buddha University , From19.01.2021 to 23.01.2021.

16. Attended 4 weeks **NPTEL** online certification course with **ELITE** in **"Recent Advances In Transmission Insulators"** from Jan 2021 to Feb 2021.
17. Attended ATAL Online Faculty Development Program in **"Role of Renewable Energy Sources in Power System"** from 05.07.2021 to 09.07.2021 at Government Engineering College, Patan.
18. Attended ATAL Online Faculty Development Program in **"Recent Trends in Power System Operation and Control"** conducted by Government College of Engineering, Nagpur, From12.07.2021 to 16.07.2021.
19. Attended Faculty Development Program in **"Inculcating Universal Human Values in Technical Education"** organized by All India Council for Technical Education (AICTE) from 26 July, 2021 to 30 July, 2021.
20. Attended ATAL Online Faculty Development Program in **"Electric Charging Station for Vehicles"** from 21/02/2022 to 25/02/2022 at Government Engineering College, Thrissur**.**
21. Attended Faculty Development Program in **"MATLAB and SIMULINK basics for Hardware Projects"** organized by NITTR, Chandigarh, from 01/08/2022 to 05/08/2022.
22. Attended Faculty Development Program in **"Intellectual property Rights and Competition law"** organized by NPTEL –AICTE, Aug 2022 to Sep 2022.
23. Attended ATAL Blended/Hybrid Faculty Development Program on "**Power Electronics Applications to Renewable Energy Systems, Electric Vehicles, and Intelligent Control"** from 2022-10-10-2022-10-15 to 2022-10-17-2022-10-21 at Sri Sai Ram Institute of Technology.
24. Attended Faculty Development Program in **"Power Electronics for Renewable Energy Applications"** organized by NITTR, Chandigarh, from 31/10/2022 to 04/11/2022.
25. Attended Faculty Development Program in **"Future Generation Communication and Networking "** organized by Jerusalem College of Engineering, from 02/01/2023 to 07/01/2023
26. Attended Faculty Development Program in **"Electric Vehicles Drive System"** organized by Jerusalem College of Engineering, from 27/02/2023 to 04/03/2023.

Industrial Training:

Faculty Industrial Training Program, 6days at **"I.P.L.Products"**,Sidco Industrial Estate, Thirumudivakkam,chennai-600132, during the period02.03.2022 to 08.03.2022

PAPER PRESENTED:

NATIONAL CONFERENCE:

1. Paper Presented on "**Solution for OPF-SC by a New Improved Bacterial Foraging Method using Bi-level optimization Technique**" in the National Conference on Recent Trends in Electrical Science and Technology conducted by **IET-SSIET** at Sree Sastha Institute of Engineering and Technology on 15th Feb 2013.

2. Paper Presented on "**Solution for OPF-SC by a New Improved Bacterial Foraging Method solving Unit Commitment Problems**" in a National Conference on SMART Advancements in Green Energy at Sri Muthukumaran Institute of Technology on 18th & 19th April 2013.

3. Paper Presented on "**Harvesting Electrical Energy from Human Locomotion using Piezoelectric Transducer**" in a Sixth National Conference on "Technological Advancements in Power System & Power Electronics Engineering" at Easwari Engineering College on 13th April 2017.

INTERNATIONAL CONFERENCE:

1. Paper Presented on "**IOT BASED SMART GARBAGE ALERT SYSTEM AND PUBLIC AWARENESS INTIMATION USING WIRELESS SENSOR NETWORK**" in First International Conference on POWER, ENERGY, CONTROL AND TRANSMISSION SYSTEMS- 2018 at by Sri Sairam Engineering College, West Tambaram, Chennai-44, From 22.02.2018 & 23.2.2018.

PUBLICATIONS:
INTERNATIONAL CONFERENCE:

1.L. Kurinjimalar, N. Anitha, V. Malini, T. N. Hariprasad and S. K. Sundaram, "Screw Propelled Autonomous Amphibian Waste Collector," *2021 4th International Conference on Computing and Communications Technologies (ICCCT)***, 2021, pp. 391-395,doi: 10.1109/ICCCT53315.2021.9711886.**

2. **V.Malini** "Design and Development of PV Powered Intergraded DC - DC Converter Fed Multilevel Inverter for Standalone Application" ESTCON 2022 in Malaysia on December 2022.

3. **V.Malini** "Augmented Reality-Based Restaurants"IEEE InternationalConference on Power, Energy, Control and Transmission Systems in December 2022

4. **V.Malini** "Hand Gesture Controlled Wheelchair" IEEE International Conference on Power, Energy, Control and Transmission Systems in December 2022

5. **V.Malini** "Blink to speak an Assistive Device for Paralyzed People" IEEE International Conference on Power, Energy, Control and Transmission Systems in December 2022

6. **V. Malini** "GSM Based Power Meter Billing with Load Control" IEEE International Conference on Power, Energy, Control and Transmission Systems in December 2022

7. **V. Malini** "Smart Energy Meter with Cloud Connectivity" IEEE International Conference on Power, Energy, Control and Transmission Systems in December 2022

8. **V. Malini** "PIR motion Capture Security System" IEEE International Conference on Power, Energy, Control and Transmission Systems on in December 2022.

NATIONAL JOURNAL:

1. Paper published in UGC care journal on "**Power On-Demand Only Ebike With Extended Range And Torque Boost Technology**" ISSN: 2394-3114, Vol 40 issue 3 (s1) February 2020.
2. Paper published in UGC care journal on "**Subterranean Cable Fault Locater Using Iot**" Ilkogretim Online - Elementary Education Online, 2020; Vol 19 (Issue 2): pp. 1856-1862

INTERNATIONAL JOURNAL:

1. **V.Malini** published a paper titled "**IoT Based Smart Garbage Alert System Using Wireless Sensor Network for Environmental Hygiene** " in IJEAT ISSN: 2249-8958, Volume -8, Issue -6, in Aug 2019.

2. **V.Malini** published a paper titled **"FOPID Controlled Modified Coupled Inductor based SEPIC Converter with Reneveble Energy System"** in TEST Engineering & Management ISSN: 0193- 4120, Vol - 81, in Nov- Dec 2019.

3. **V.Malini** published a paper titled **"Cloud Based Health Care Monitoring With Prompt Notification Using Connected Devices"** in European Journal of Molecular Clinical Medicine" ISSN: 2515-8260,, Vol -07, Issue -06, in 2020.

NITTT MODULES Completed

Module 4 – Instructional Planning and Delivery -Finished on September 2021

Module 1 – Orientation Towards Technical Education and Curriculum Aspects- July 2022

Module 3 – Communication Skills, Modes & Knowledge Dissemination- July 2022

Module 5 –Technology Enabled Learning & Life Long Self Learning - July 2022

OTHER ACTIVITIES:

1. Engineering practices Lab In-charge, Sri Sairam Engineering. College.
2. Handled session in ISTE sponsored Faculty Development Program **"Renewable Energy Systems"** held from 22.07.2019 to 26.07.2019 at Sri Sairam Engineering College, Chennai.
3. Actively involved in all Departmental activities like industrial visit, training program.
4. Conducted a **"Training Session on C Coding"** for EEE students of Sri Sairam Engineering College, on 05.02.2020
5. Conducted a Webinar on **"Her Campus with Equality"** - Alumni talk for EEE Girls Student of Sri Sairam Engineering College on 25.07.2020.
6. Conducted a **"Three days Training Session on C-coding"** for EEE students of Sri Sairam Engineering College, from 9.10.2020 to 11.10.2020

7. Organized a non-technical event **"SKILLSPORIUM 1.0" - Skill Development Club Event** , on 15.02.2021, for the students of Sri Sairam Engineering College .

8. Co-ordinated **"Hands on Training On design of BLDC Motors"** for EEE students on 22.12.2022