



SRM Valliammai Engineering College

SRM Nagar, Kattankulathur-603203, Kancheepuram District, Tamil Nadu

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Department of Electrical and Electronics Engineering

Personal Details

Name :	R.V.Preetha		
Designation :	Assistant Professor(O.G)		
Educational Qualification :	M.E		
Experience:	9 years 6 months		
Area of Specialization :	Control & Instrumentation		
Date of Joining :	03.07.2013		
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Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.	EEE	CSI Institute of Technology	2004
2	M.E.	Control and Instrumentation	Valliammai Engineering College	2012

Professional Society Memberships

1. Indian Society of Technical Education: Life Member
2. International Association of Engineers: Life Member
3. Indian Science Congress Association : Annual Member
4. Indian Association of Computer Science and Information Technology: Life Member

Publication Details

01-Jul-2020 to 31-Dec-2021

Journal:

1. Sujith.N, Sneha Priya.G, Subramanian.K and Ms. R.V.Preetha published a paper on 'Design, Simulation and Performance Assessment of Hybrid (wind -solar) Energy System incorporating Boost Converter in Open and Closed loop Configuration with embedded controller using ABC algorithm', International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

01-Jul-2019 to 30-Jun-2020

Journal:

1. Ms. Bagavathy V, Mr. Vignesh C, Mr. Venkatesh NR, Mr. Suresh babu R and Ms. R.V.Preetha published a paper on 'Multinomial attendance management system', International Journal of Advance Research and Innovative Ideas in Education, Vol 6.Issue.2, 2020.

Conferences:

1. Dr.S.Malathi and Ms.R.V.Preetha, 'Microcontroller based Interleaved DC-DC Boost Converter Fed Current Source Inverter for Foot-Step Power Generation', National Conference on Computational Intelligence in Electrical and Electronics Engineering organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology during 18th to 19th May 2020.

2. Dr.S.Malathi and Ms.R.V.Preetha, ‘A Novel PV Energy Harvesting Using Transformerless PV module by SEPIC Converter” International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering (ICSA2k19)”at SRM Valliammai Engineering College, India, 6th and 7th September 2019, pp.183-186.

01-Jul-2018 to 30-Jun-2019

Journal

1. G.BadriNarayanan, K.Balaji, G.Deepika, P.Dinesh, R.V.Preetha, “Search and Rescue System by using Camera Rescue Robot” International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 03, pg.793-797, Mar 2019.

01-Jul-2017 to 30-Jun-2018

Journal

1. D.Sreelekha, S.Surya, N.Vignesh, G.Sasteetharan,R.V.Preetha, “Quasi Single Stage Buck Boost Inverter with PID Controller” International Journal for Scientific Research and Development (IRSRD), Vol.6,Issue 1, Mar 2018.

Other Particulars

Events Conducted:

1. Workshop on ‘Grid Connected Solar PV systems’ on 29.09.2020.
2. Workshop on ‘Machine Learning in Circuit Design’ on 21.09.2020
3. Coordinated a webinar on ‘Four Years of Fruitful Learning of Engineering’ for the benefit of school students of class 11th and 12th grades on 6th June 2020.
4. Workshop on Variable Frequency Transformer Model Analysis dated 05/03/2020.
5. Workshop on AC and DC Drives dated 12/07/2019.
6. Workshop on Real time Analysis and implementation of FRTUS in High Power automation systems Using Tangedco Network dated 07/09/2018.
7. FDP on EE6009-Power Electronics for Renewable Energy Systems dated 15th and 16th of November 2017.
8. Seminar on Flexible AC Transmission System Devices dated 9/2/2017.
9. Workshop on Role of Power Electronics in Modern Electrical System dated 1/4/2016.

Events Attended:

1. AICTE Training And Learning (ATAL) Academy Online FDP on ‘Patent Drafting and Filing’, Jerusalem College of Engineering from 14th to 18th June 2021.
2. AICTE Training And Learning (ATAL) Academy Online FDP on ‘Emerging Technological Challenges in Electric Vehicle’, Annapoorana Engineering College from 7th to 11th June 2021.
3. Two weeks Refresher course on ‘Teaching Learning and Research pedagogy for Excellence in Education’, Sairam Institutions from 31st May 2021 to 14th June 2021.
4. AICTE Training And Learning (ATAL) Academy Online FDP on ‘Global Warming and Impacts of Power Electronics Towards Green Technology’, SRM Valliammai Engineering College from 24th to 28th May 2021.
5. Induction/Refresher Programme on ‘Recent Advancements in High Voltage Engineering’, SRM Valliammai Engineering College from 3nd to 9th March 2021.

6. Induction/Refresher Programme on 'Recent Advancements in High Voltage Engineering', SRM Valliammai Engineering College from 3rd to 9th February 2021.
7. AICTE Training And Learning (ATAL) Academy Online FDP on 'Energy Engineering', National Institute of Technology, Tiruchirappalli from 28th December 2020 to 1st January 2021.
8. AICTE Training And Learning (ATAL) Academy Online FDP on 'Artificial Intelligence', Sri Sairam Engineering College from 7th to 11th December 2020.
9. Induction/Refresher Programme on 'Recent Advancements in High Voltage Engineering', SRM Valliammai Engineering College from 2nd to 7th November 2020.
10. Webinar on Developing 21st Century Skills using Technology organized by Bless o Bliss, 5th July 2020.
11. Webinar on Introduction to ML/AI Block chain Applications in Energy Management organized by EEE department, Dr.Mahalingam College of Engineering and Technology on 4th July 2020.
12. Webinar on Desperate need of Actuators organized by EEE department, St.Joseph's Institute of Technology on 27th June 2020.
13. Webinar on language through Literature organized by Hindusthan College of Engineering and Technology on 27th June 2020.
14. Webinar on AI Applications in Electrical Power Industry organized by R.M.D Engineering College on 23rd June 2020.
15. One Week Faculty Development Program "Integration of Green Energy With Smart Power Systems" organized by department of EEE, Sathyabama Institute of Science and Technology during 22nd to 27th June 2020.
16. Webinar on Teaching Online-Problems and Solutions organized by Hindusthan College of Engineering and Technology on 22nd June 2020.
17. Webinar on Strategies to Boost Teaching and Learning organized by Bless o Bliss, 22nd June 2020.
18. Webinar on Effective Virtual Classroom Teaching for Teachers, Sri Sairam College of Engineering on 19th June 2020.
19. Five days IGEN PIT Faculty Development Program on Renewable Energy Systems, Panimalar Institute of Technology from 8th to 12 June 2020.
20. Online FDP on Effective Online Teaching Strategies organised by Marian International Institute of Management, Kerala held on 6th June 2020.
21. Attended two week online refresher course/FDP on Recent Innovations in Electrical, Electronics, Instrumentation, Automation and Teaching Pedagogy organized by department of EEE,EIE & ICE,SRI Sairam Engineering College from 18th May to 30th May 2020.
22. Webinar on "The Impact of Quantum Computing on Cryptography" organized by department of ECE, SRIT on 30th May 2020.
23. FDP on "Analog Electronics" in SRM Valliammai Engineering College, 11th May to 16th May 2020.
24. FDP on "Renewable Energy Systems" in SRM Valliammai Engineering College, 11th May to 16th May 2020.
25. Attended India First Leadership talk webinar with Prof D.P.Singh, Chairman, UGC Broadcasted on 9th May 2020 by MHRD's Innovation Cell.
26. FDP on "EE8402-Transmission and Distribution" in SRM Valliammai Engineering College, Nov 2019.
27. FDP on "EE8301-Electrical Machines-I" in SRM Valliammai Engineering College, May 2019.
28. FDP on "EE8451-Linear Integrated Circuits and Applications" in SRM Valliammai Engineering College, Dec 2018.
29. Workshop on "Introduction to Robotics", Anna University, December 2017.
30. FDP on "CS6456 - Object Oriented Programming" in SRM Valliammai Engineering College, Nov

2017.

31. FDP on “EC6651-Communication Engineering” in SRM Valliammai Engineering College, Nov 2017.
32. FDP on “EE6009 - Power Electronics for Renewable Energy Systems” in SRM Valliammai Engineering College, Nov 2017.
33. FDP on “EE6007- Micro Electro Mechanical Systems.” in SRM Valliammai Engineering College, May 2017.
34. FDP on “EE6501-Power System Analysis” in SRM Valliammai Engineering College, April 2017.
35. FDP on “EE6302-Electromagnetic Theory” in SRM Valliammai Engineering College, April 2017.
36. FDP on “EE6403-Discrete Time Systems and Signal Processing” in SRM Valliammai Engineering College, Nov 2016.
37. FDP on “EE6403-Discrete Time Systems and Signal Processing” in SRM Valliammai Engineering College, January 2016.
38. Delivered lecture in FDP on “IC6501-Control systems” in SRM Valliammai Engineering College, Jun 2016.
39. FDP on “EE6303-Linear Integrated Circuits and Applications” in SRM Valliammai Engineering College, Jun 2016.
40. FDP on “EE6404- Measurements & Instrumentation” in SRM Valliammai Engineering College, December 2015.
41. FDP on “EC6405- Control System Engineering.” in RRASE College of Engineering, December 2014.
42. STTP on “Power System Operation and Control” in SRM Valliammai Engineering College, May 2014.

U.G Projects Guided:

1. Design, Simulation and Performance Assessment of Hybrid (wind -solar) Energy System incorporating Boost Converter in Open and Closed loop Configuration with embedded controller using ABC algorithm, 2021.
2. Multinomial attendance management system, 2020.
3. Search and Rescue System by using Camera Rescue Robot, 2019.
4. Quasi Single Stage Buck Boost Inverter with PID Controller, 2018.
5. Solar Panel Tracking using MPPT, 2017.
6. Real time monitoring for a grid connected PV based distributed generating system using labview, 2016.
7. The Design of Bionic Person using wireless sensor network in cryogenic weather conditions, 2015.
8. Energy Management in Residential Buildings by using Green Charge, 2014.

Online Course Certification:

1. NITTT module 1 course ‘Orientation towards Technical Education and Curriculum Aspects’.
2. Short course on course on, "Lear to Design your own Solar Home System". The certificate has been awarded as a part of Energy Literacy Drive of the Energy Swaraj Foundation in association with SRM Valliammai Engineering College. – Online, on 3rd July 2020.
3. NPTEL Course on ‘Body Language to Professional Success’, September 2019.
4. NPTEL Course on ‘Stress Management’, September 2018.
5. NPTEL Course on ‘Developing soft skills and Personality’, September 2017.
6. NPTEL Course on ‘Outcome based pedagogic principles for effective teaching’, March 2017.