

SRI SAI RAM ENGINEERING COLLEGE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1	Mrs.R.KOTHAI	
2	Designation	Assistant Professor
3	Area of Specialization	Power Electronics & Drives
4	Experience	Teaching: 5 Years Industry: NIL
5	No. of Workshop, FDP, Seminar Attended	Workshop: 4 FDP: 21 Seminar: 0
6	Publications And Patents	International Conferences:7 International Journals:1 BOOKS PUBLISHED :1 IEEE Digital Library: 8 IEEE Conferences: 8 Patents Published: 2
7	Professional Membership	IEEE Membership- Member-98086822 IEEE Power and Energy society Professional Member in: IEEE Smart Cities IEEE SIGHT IEEE Smart Grid Community
8	Research Guidance	NIL
9.	General :	<ul style="list-style-type: none"> ● COLLEGE INTERNSHIP- SCOPE- EXECUTER ● DEPARTMENT SCOPE -EXECUTER ● DEPARTMENT WOMEN SPORTS INCHARGE

EXPERIENCE

Name of the Employer	Position Held	Period	
		From	To
AVC college of engineering, Mayiladuturai.	Assistant professor	2011	2012
Sri Sai Ram Engineering College, Chennai.	Assistant professor	2021	Till date

PATENT PUBLISHED:

Intellectual Property Rights India

S.NO	TITLE	YEAR
1.	Wireless Intrusion Detection Device	2023
2.	Automatic AC Gas Sensing And Filling System For Cars Intellectual Property Rights India	2024

BOOKS PUBLISHED:

1. Recent Advances in Energy Technologies-2023.

INTERNATIONAL:

S.NO	TITLE	CONFERENCE	YEAR
1.	Hybrid Boost Converter for AC and DC Loads Using PV System	International Conference on Energy and Materials Technologies (ICEMT-2021)	2021
2.	Next Generation digital healthcare cloud folder for patients	International conference on innovation in Robotics , Intelligent Automation and Control	2022
3.	Design and Implementation of Electric Cycle	IEEE Power, Energy,Control and transmission systems	2022
4.	Hand gesture controller Wheel chair	IEEE Power, Energy,Control and transmission systems	2022
5.	Power Scavenging using Darrieus Type vertical axis wind turbine on High Ways	IEEE Power, Energy,Control and transmission systems	2022
6.	Animal Intrusion Detection And CropProtection Using Yolo And Sound Devices	Intelligent Computing and Control for Engineering and Business Systems	2023
7.	Design and Development of An Estimate Controller for a Fusion Tank System	International Conference on Future Trends in Smart Communities, ICFTSC 2022	2022

NATIONAL

S.NO	TITLE	CONFERENCE	YEAR
1.	A non isolated Bidirectional Active Clamped DC-DC Converter	MAM College of Engineering ,Trichy.	2011
2.	Cutting Edge Technologies in Power Conversion &Industrial Drives	Bannari Amman Institute of Technology, Erode	2011
3.	Design for a converter	Vellalar College of Engineering Erode	2011
4.	Negative Sequence Compensation Technique for DFIG Based Wind Energy Systems	SNS College of Technology	2011

FACULTY DEVELOPMENT PROGRAM

1. Participated in Two two-day Online Faculty Development Programme on “Research Opportunities in Power Engineering” Organized by Department of Electrical and Electronics Engineering, M. Kumarasamy College of Engineering, From 25.02.2021 to 26.02.2021.
2. Participated in the ISTE sponsored five days virtual faculty development programme on renewable energy systems held from 08.02.2021-12.02.2021.
3. Participated in the Faculty Development Programme on “Creative and Innovative Teaching Strategies for the New Normal” organized by the Institution’s Innovation Council of Sri Sivasubramaniya Nadar College of Engineering during May 24-31, 2021.
4. Completed the AICTE sponsored online two weeks Faculty Development Programme on "Trends and Challenges in Power Converters and Control-Slot II" Organised by Department of Electrical Electronics Engineering, College of Engineering Guindy, Anna University, Chennai from 04.05.2021 to 18.05.2021.
5. Participated in the Faculty Development Programme (FDP) on “Interactive Approaches in Handling Renewable Energy Systems Laboratory for the New Normal” organized by Sri Sivasubramaniya Nadar College of Engineering during June 29– July 02, 2021.
6. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Cyber Security" from 05-07-2021 to 09-07-2021 at Vivekanand Education Society's Institute Of Technology.
7. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "POWER ELECTRONICS APPLICATIONS IN SMART GRIDS AND ELECTRIC VEHICLES (PEASE 2021)" from 25-06-2021 to 29-06-2021 at National Institute of Technology Andhra Pradesh.
8. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Green Entrepreneurship for Atmanirbhar Bharat" from 14-06-2021 to 18-06-2021 at NITTTR Bhopal.
9. 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.
10. Participated and successfully completed the 5-day online FDP on the theme “Smart electric vehicles research and challenges” organized by IEEE PELS of Amrita school of engineering from 12 november, 2021 to 14 nov, 2021.
11. Attended One Week Faculty Development Program on Next Generation Artificial Intelligence Techniques & Applications organized by the Artificial Intelligence Research Centre, Department of Computer Science & Engineering, BBD University in association with Soft Computing Research Society, New Delhi, India from February 08, 2022-February 13, 2022.
12. Participated in Two days Online Faculty Development Programme on “Research Opportunities in Power Engineering” Organized by Department of Electrical and Electronics Engineering, M. Kumarasamy College of Engineering, From 25.02.2021 to 26.02.2021.
13. Participated and 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.
14. Participated in five days Online Faculty Development program on Advance Technologies in Electrical Engineering Design from 01-08-2022 to 05-08-2022 in Sri Sairam Institute of Technology.
 15. Participated and successfully completed the 5-day Face-to-Face UHV-II FDP organized by All India Council for Technical Education (AICTE) at Sri Sairam Engineering College Autonomous, Chennai from 26th July to 30th July 2022.
 16. Participated in 40 hour online faculty Development program on deployment of artificial intelligence and data science in developing Electrical engineering Applications from 04- 17 th August 2022.
 17. Participated in the DST-SERB Sponsored TWO DAY Online FDP On“Design and Development of Machine Learning Model for Remote Monitoring and Control of Hybrid Microgrid in Educational Institutions using Smart Sensor Network and IoT” organized by Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, Madurai, Tamilnadu during 11th & 12th January 2022.
 18. Participated in the AICTE Recognized Faculty Development Programme on Power Electronics for Renewable Energy Applications Conducted by Electrical Engineering Department from 31/10/2022 to 04/11/2022 (One Week) at NITTTR, Chandigarh.
 19. Participated in five days online faculty development program on research challenges in electrical engineering and solutions with software at Sairam Engineering College from 21-12-2022 to 24-12-2022.
 20. Participated in one week virtual faculty development program on “Biomedical Sensors and Signal Processing” conducted by Department of Electronics and Communication Engineering Loyola Institute of Technology Chennai from 09-01-2023 to 13-01-2023.

SHORT TERM FACULTY DEVELOPMENT PROGRAM

1. Participated in the 6 days AICTE Sponsored Online Short-Term Training Programme (STTP) Series-III on “SOLAR ENERGY CONVERSION SYSTEMS: TECHNOLOGIES, DESIGN AND APPLICATIONS” from 15.02.2021 to 20.02.2021.
2. Participated in the One Week Short Term Training Program(Phase- 3) on “Trends and Challenges of Hybrid Electric Drive Utilities in Transport Sector” organized by the Department of Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology (Autonomous) during 22 nd- 27th February , 2021.
3. Attended six days online Short Term Training Programme on “Emerging Trends and Research Challenges in Next Generation Wireless Networks” organized by the Department of Electronics & Communication Engineering, Kongunadu College of Engineering and Technology, Trichy from 15.03.2021 to 20.03.2021.

WORKSHOPS ATTENDED:

1. Familiarisation Program on Thermal power plant , Kamban engineering college 26,27,2009.
2. Fuzzy logic Applications to power systems in MP Nachimuthu M.Jaganathan Engineering College, Erode on February 26, 2010.
3. Tackling Global Climate Changes through renewable Energy Sources, Kongu Engineering college ,Erode on March 10-13, 2010.
4. Modern control system using Matlab and Simulink at Kongu Engineering College, Erode.on December 21,23,2011.
5. Psychometric workshop at AVC College of Engineering on April 25,2012.

