Sri Sai Ram Engineering College

Department of Electronics and Instrumentation Engineering

Name: Mr.M.Subramanian	
Designation:	Assistant Professor-Gr. III
Qualification:	M.E.
Area of Specialization:	Wireless Networks & Communication Engineering
Experience:	Teaching- 12 yrs
	Industry/Polytechnic: NA
Number of Workshops/ Conferences/ FDP Attended:	WORKSHOPS-4 FDP-13
Publication:	Journal: National: -- International: 03
	Conference: National: -- International:10

Experience:

S. No	Name of the Institution	Designation	Department	Period of Experience
1.	Sri Sairam Engineering College, West Tambaram, Chennai	Assistant Professor Gr.III	Electronics and Instrumentation Engineering	(July 2011-till date)

Theory Subjects Handled:

Discrete Time system & Signal Processing   Microprocessors and Microcontrollers
Linear Integrated Circuits   Electrical Measurements
Operating systems   Biomedical Instrumentation
Embedded Systems   Industrial Data Networks
Modern Electronic Instrumentation   Principles of Management
Digital Signal Processing   Analog Electronic
Circuits Biomedical Signal and Image Processing   Computer Architecture

UG projects Guided:

S. No	Title of the Project work	Period of Guidance
1.	Emergency alert and monitoring of heart rate and drowsiness for heart patient while driving	December 2012 to May 2013
2.	PLC based control protection and Interlocking of DSS Compressor	December 2013 to May 2014
3.	Microprocessor based wheel run out measurement system for commercial vehicles	December 2013 to May 2014
4.	Real time energy management algorithm for wireless charging of electric vehicle for charging parks	December 2014 to May 2015
5.	Centralized maintenance and monitoring of utilities corridor	December 2015 to May 2016
6.	Smart Safeguard device for fisherman boats	December 2016 to May 2017
7	Security and Health Monitoring System of baby in the Incubator	December 2017 to May 2018
8	Chain snatching detection safety system	December 2018 to May 2019
9	Automatic closing of intravenous drip controller and altering system	December 2018 to May 2019
10	Detection and segmentation of Glaucoma using Retinal Fundus Image	December 2019 to May 2020
11	Digital Triplet of a Industrial Multistage Centrifugal Pump	December 2020 to May 2021
12	Soil Identification Using Image Processing	December 2021 to May 2022
13	Design and Development of an Autonomous pesticides spraying agricultural drone	December 2022 to May 2023

Workshops Attended:

- Attended two days National Workshop on "LabVIEW Based System Design for Multidisciplinary Research Application", organized by KCG College of Technology, Karapakkam, Chennai, Tamilnadu during 19th & 20th June 2015.
- Attended three-day workshop on PLC, SCADA and DCS from 23.7.18 to 25.7.18 organized by Electronics and Instrumentation Engineering, Sri Sairam Engineering College, Chennai.
- Attended a Two-Day workshop on "Machine Learning techniques for building Intelligent systems" during 27th-28th September 2019 held at Dept of IT, SSN College of Engineering, Chennai.
- Completed Faculty Development Workshop on "Product Engineering for Real Life Problems" held at IIT Madras Research Park, Chennai from 28.9.2022 to 30.9.2022.

FDPs/SDPs Attended:

- Attended a National Level-Faculty Development programme on "Teaching Excellence in Engineering and Management curriculum" organized by Sri Sairam Institute of Management Studies, Sri Sairam Engineering College, Chennai held on 20th & 21st June,2016.

- Attended Faculty Development Training programme on "EE6403-DISCRETE TIME SYSTEMS & SIGNAL PROCESSING", organized by the Centre for Faculty Development, Anna

University, Chennai at Velammal Engineering College from 18th to 24th December 2015.

- Attended ISO 9001:2015 Quality Management System and Audit Training during 8th June 2018.

- Attended Two-day Faculty development program on Teaching Techniques conducted by ICT Academy on 11th and 12th February 2019 at BS Abdur Rahman Institute of Science and Technology.

- Attended Five-day Faculty development program on Entrepreneurship Career Development Program held from 8th to 12th April 2019 held at Sri Sairam Institute of Management Studies,

Chennai.

- Attended a One-week FDP on "Artificial Intelligence" during 5.12.2019 to 11.12.2019 held at Dept of EEE, Sri Sairam Engineering College, Chennai.

- Participated in the AICTE Recognized Faculty Development Programme on Neural Network and CNN Conducted by Curriculum Development Centre Department from 20/04/2020 to 24/04/2020 (One Week) at NITTTR, Chandigarh

- Participated in the AICTE Recognized Faculty Development Programme on Latest Wireless and Computing Technologies Conducted by Electronics and Communication Engineering Department from 14/04/2020 to 18/04/2020 (One Week) at NITTTR, Chandigarh

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 2020-11-23 to 2020-11-27 at Central Institute of Technology.

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Design thinking" from 2020- 12-14 to 2020-12-18 at Graduate School of Management Studies, GTU.

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Electrical & Computer Engineering" from 2021-1-4 to 2021-1-8 at National Institute of Technology Raipur.

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-11-2 to 2020-11-6 at SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE.

- Participated in ISTE Sponsored Five Days Virtual FDP conducted by Dept. of EIE, Sri Sairam Engineering College on the topic "Bio-inspired Learning" held from 20-12-2021 to 24-12-2021.

Publications:
International:
Authored

S. No	Paper Title	Journal Details	Publication details
1.	QoS Scheduling in Wireless MAN	International Journal of Computer Applications,2011	ISBN: 978-93-80747-63-4
2	Voltage Sag Compensation Using Dynamic Voltage Restorer	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019

3	Security and health monitoring system of the baby in incubator	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019

Conference proceedings

S. No	Title of the paper	Conference Details	Month/Year of Publication
1.	QoS SCHEDULING IN WIRELESS MAN	3rd International Conference on Wireless Information Networks & Business Information system (WINBIS'11), Kathmandu, Nepal	March 2011
2.	Security and Health Monitoring System of baby in the Incubator	7th International Conference of Informatics and Computing in Engineering Systems, S.A. Engineering College, Chennai	March 2018

3.	SMELLR-A food freshness detecting handler	International Conference on New Trends in Engineering & Technology (ICNTET)-2018 organized by GRT Institute of Engineering & Technology, Chennai	September 2018
4.	Chain snatching detection safety system	5th International conference on science technology engineering & Mathematics, ICONSTEM'19 on 14th and 15th March 2019 held at Jeppiar Engineering College, Chennai	March 2019
5.	Automatic closing of intravenous drip controller and altering system	9th International conference on science and innovative engineering 2019 organized by Jawahar Engineering College, Chennai on 24th March 2019	March 2019
6	Digital Triplet of a Industrial Multistage Centrifugal Pump	2021 4th International Conference on Computing and Communications Technologies (ICCCT) DOI: 10.1109/ICCCT53315.2021 16-17 Dec. 2021	February 2022
7	DC-DC Converters based Integration of Grid Stability Estimation for PV Systems	2022 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS) DOI: 10.1109/ICSCDS53736.2022 7-9 April 2022	April 2022
8	Deep Learning Techniques in Skin Cancer Detection: A Survey	*1st International Conference on Computational Science and Technology, ICCST 2022*	Feb 2023
9	Melanoma Skin Cancer Detection using a CNN-Regularized Extreme Learning Machine (RELM) based Model	*2nd International Conference on Electronics and Renewable Systems, ICEARS 2023*	April 2023
10	Deploy Machine Learning Model for Effective Bank Telemarketing Campaign	*2nd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCECE 2023*	June 2023