

## Sri Sai Ram Engineering College

### Department of Electrical and Electronics Engineering

<b>Name:</b> Barath Kanna C  <a href="mailto:kanna.eee@sairam.edu.in">kanna.eee@sairam.edu.in</a>	
<b>Designation:</b>	Assistant Professor
<b>Qualification:</b>	M.Tech (Ph.D)
<b>Area of Specialization:</b>	Power plant, Renewable energy, Measurement & Instrumentation
<b>Experience:</b>	Teaching- 2 years Industry - 1 year
<b>Date of Joining the Institution</b>	13-06-22
<b>Number of Workshops/ FDP Attended:</b>	3
<b>Publication:</b>	<b>Journal:</b> International:01 National:00
	<b>Conference:</b> National: 03 International: 04
<b>General:</b>	To be a eminent in teaching, successful in research by providing value addition to the course through my structured learning, academic skills and analytical skills.
<b>Staff Achievement</b>	Best Poster Award, Second National Power Engineering Research Scholars Conference 2018, IIT-Madras, Implementation of I-IoT for Remote Monitoring of Industrial Conveyor Drive in Mining Industries.

**ACADEMIC QUALIFICATION:**

S. No.	Degree	Year of passing	College	University	Specialization	Class obtained	Full Time/ Part Time
1.	M.Tech	2014	B.S. Abdur Rahman Institute of Science and Technology	B.S. Abdur Rahman University	Electronics and Instrumentation Engineering	First Class	Full time
2.	B.E	2011	Raja Rajeshwari Engineering College	Anna University Chennai	Electrical and Electronics Engineering	First Class	Full Time
3.	XII	2007	Sri Sankara Vidhyalaya Mat. Hr. Sec. School	State	Maths, Physics, Chemistry, Computer Science.	First Class	Full Time

**RESEARCH INTEREST:**

Power plant Fault Identification, Controller Design, Sensors Measurement and Instrumentation

**TEACHING EXPERIENCE:**

S. No	NAME OF THE POST	EMPLOYER	PERIOD OF EMPLOYMENT
1.	Ad-hoc Faculty	National Institute of Technology Tiruchirappalli	July 2015-June 2017
2.	Operation and Maintenance Engineer	Aravind Enterprises subcontract of North Chennai Thermal Power Station (NCTPS)	June 2014-June 2015

**SOCIETY MEMBERSHIP**

IEEE Membership – 95204165

**NATIONAL & INTERNATIONAL WORKSHOPS ATTENDED**

1. Participated in ATAL FDP on "Power Electronics Applications to Renewable Energy Systems, Electric Vehicles, and Intelligent Control" Oct 2022.
2. Participated in NITTTR One week FDP on "Smart Grid and Renewable energy Resources" Sep 2022 .
3. Participated in FDP on "Product Design engineering using Fusion 360" Organized by ICT Academy at Sri Sai Ram Engineering College, Aug 2022.
4. Participated in a workshop on "Application of Artificial Intelligence and machine learning in Electrical engineering" at Sri Sai Ram Engineering College, July 2022.

5. Participated in Online FDP on “managing online classes and co creating MOOCS” Organized by University of Delhi and MHRD, 2020

6. Organized Faculty development training program TANITT in NIT-T, 2019

## **PUBLICATIONS**

### **International Journal**

1. “Fractional Filter Based Internal Model Controller for Non Linear Process”, *Lecture notes on Computational Intelligence, Cyber Security and Computational Models, Volume 412 of the series Advances in Intelligent Systems and Computing*, Springer Publications, pp 565-574, Dec 2015, DOI 10.1007/978-981-10-0251-9\_52

### **International Conference**

1. "Automatic room light system using arduino and PIR system "IEEE ICPECTS-2022, Sri Sairam Engineering College, Chennai, Dec 2022.

2. “Fractional Control of a nonlinear process”, International Conference on Advances in Electrical Engineering (ICAEE’14) VIT University, Vellore IEEE Explorer digital library, pp 21-24, Jan 2014, INSPEC Accession No. 14384492.

3. “Digital realization of FO-PI Controller using Continued Fraction Expansion Method for a nonlinear process”, International conference on Trends in Industrial Measurements and Automation (TIMA-2013), Madras Institute of Technology, Anna University, Chennai Pg no. 132-136, Dec 2013.

### **National Conference**

1. “Estimation of Groundwater and Equitable Distribution of Water”, III Indian National Ground water conference on Groundwater resource management for sustainable development: special emphasis on costal and urban development, Center for water resource development and management, Kozhikode, Pg no. 188, Feb 2020.

2. “Implementation of I-IoT for Remote Monitoring of Industrial Conveyor Drive in Mining Industries” Second National Power Engineering Research Scholars Conference 2018, IIT-Madras

3. “Performance based efficiency enhancement for utility boiler”, National conference on Emerging trends in electronics, instrumentation and control (EtEIC-2014) Valliammai Engineering College, Kattankulathur Pg no. 105-109, May 2014, ISBN: 978-81-926837-4-4.

## **PROGRAMMES ACTED AS RESOURCE PERSON:**

1. Session Chair in International Conference IEEE ICPECTS-2022, Sri Sairam Engineering College, Chennai, Dec 2022