Sri Sai Ram Engineering College

Department of Electrical & Electronics Engineering

Name: **K. RAJKUMAR**	
Designation:	ASSISTANT PROFESSOR
Qualification:	M.E (pursuing Ph.D.)
Area of Specialization:	APPLIED ELECTRONICS
Experience:	Teaching- 14 years 6 months
	Polytechnic: 1 year
Number of Workshops/ Conferences/ FDP Attended:	No.of Workshops attended : 6 No.of FDP attended :16 No.of conferences attended : 13
Publication:	Journal: 3 International :13 Conference National: 5
Research Guidance:	----
General:	- EEE Department Mentor Coordinator 2016-2017 - EEE Department CII award coordinator 2021-2023 - EEE Department TEST Coordinator - Organized Guest lectures & workshops for the academic year 2019-2020,2020-2021,2021-2022,2022-2023. - Class coordinator.(2018-2022) - Media centre in charge. - EEE Department Robotics club Coordinator, 2018-2019, 2019-2020. - EEE Department Data science club Coordinator, 2019-2020.

	● EEE Department cyber security club Coordinator, 2021-2023.
Staff Achievement	● Successfully completion of all requirements of one week online certificate course on "EMOTIONAL INTELLIGENCE by ICT Academy from 27.2.2019 to 2.3.2019 ● Successfully completed and got ATAL Online Certification for the course "Electric Vehicles" with a consolidated score of 95%. ● Successfully completed ATAL Online Certification for the course "Energy Engineering" with a consolidated score of 98%. ● Received Cent Percent achiever award for the year 2016- 2017 ● Received Cent Percent achiever award for the year 2018- 2019 ● Successfully completed 12 COURSERA Online Certification for the course. ● Mentor Of E Yentra project "Back To Nature" competitive of All Over Tamilnadu 2019-2020.

Experience: 10 years 6 months

Name Of The Employer	Position Held	Period	
		From	**To**
Sri Adhisankarar Polytechnic College	Lecturer	June 2007	May 2008
St. Joseph's College Of Engineering And Technology	Assistant Professor	June 2010	May2013
Shivani engineering college	Assistant Professor	June 2013	May 2015
Sri Sai Ram Engineering College	Assistant Professor	**15th June 2015**	**Till date**

MEMBERSHIP IN PROFESSIONAL BODY:

● Life Member, Indian Society for Technical Education (ISTE).
● IEEE Membership
● IEI-Institute of Engineers India

MEMBERSHIP SOCIETY:
- IEEE Robotics and Automation Society Membership
- IEEE Computer Society Special Technical Community on Cyber Security
- IEEE Vehicular Technology
- IEEE SIGHT
- IEEE Computer Society Technical Community on Security and Privacy
- IEEE Electron Devices Society Membership
- IEEE Photonics Society Membership
- IEEE Nanotechnology Council
- IEEE Sensors Council

Patent Filed:

- A SMART BILL GENERATOR IN A DIGITALIZED SUPER MARKET (Application no: 202041045439)
- AI BASED HYBRID LEG WHEEL TRACK THE GROUND MOBILE ROBOT(Application no: 202111019302)
- CONVERSION OF FOOD WASTE TO MANURE BY BIO-CHAR VESSEL(Application no: 202241076696)

Publications:
- K Rajkumar, R Srinithi, K Thejaswini "Ghosting Based Verge Heedful System Using Arduino" 'International Journal of Engineering and Advanced Technology'. , ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019.

- S Vasuhi, R Varshni, K Rajkumar "Wearable Antenna with Electromagnetic Band Gap (EBG) Structure for WBAN" MAT Journals of Instrumentation & Innovation Science e-ISSN: 2456-9860 Volume 4   Issue 3.

- Mohan, S., Rajkumar, K., Suresh, K., Harinarayanan, J."Photovoltaic Fed Fly back Converters using Improved Perturb and Observe Algorithm" Proceedings of the 2021 4th International Conference on Computing and Communications Technologies, ICCCT 2021, 2021, pp. 434–437

- Rajkumar, K., Thejaswini, K., Yuvashri, P."Automation of Sustainable Industrial Machine using PLC" Journal of Physics: Conference Series, 2021, 1979(1), 012049
- Rajkumar, K., Thejaswini, K., Subarna, S., Yuvashri, P."Walk Assistance for Outwardly Challenged People" Journal of Physics: Conference Series, 2021, 1979(1), 012065

- Rajkumar, K., Vasuhi, S., Mohan, S., Suresh, K. "IOT Based Battery Thermal Monitoring in E-Vehicle System" 2022 International Conference on Communication, Computing and Internet of Things, IC3IoT 2022 - Proceedings, 2022
- K Rajkumar, R Sugunesh, S Risheka, MG Suwathi "Voice-Activated Wireless Control System for Home Automation Using 2.4 GHZ WiFi "2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS).
- K Rajkumar, S Mohan, S Yokeswaran, N Yuvaraj, M Guneshwar "Gas Leakage Detection And Refilling System With Automated Fault Clearness" 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS).

Workshop/Conferences/FDP:

National conference **"A low power and low area multiplier Shift and Add Architecture "** at Senguthar Engineering College in thiruchencode.

Work shop**: PSIM software** at MAM College of Engineering in Trichy [one day].

Faulty development programme **"Neustic II"** at Anna university and Technology in Trichy

National conference "**A Cascade hybrid three phase seven level multi-level Inverter using wind energy application"** at Kings College Engineering in thanjavur.

Faculty DevelopmentTraining Programme on **'Microprocessor Based System design '** at Sri Sairam Institute of Technology. JUNE 20-27,2016

Short Term Training Programme on **"MATLAB simulation of Power Electronics Circuits"** at Sri Sai Ram Engineering College. April 21-23, 2015

Faculty Development Training Programme on **"Program on Electrical Simulation Software"** at Sri Sai Ram Engineering College. November 6- 10 2017 .

Faculty Development Training Programme on **"Design and Mitigation of Issues in Micro-grids using HOMER and PVsyst"** at Easwari Engineering

College. November 13 – 29, 2017

FDP on **"Electrical Simulation Software's"** organized by the Department of Electrical and Electronics Engineering, Sri SaiRam Engineering College.

- FDP on **"Outcome Based Education"** at Sri Sairam Engineering College on 05.04.2019.
- Faculty Development Training Programme on **"power system transients"** at LOYOLA-ICAM COLLEGE OF ENGINEERING AND TECHNOLOGY (LICET). November 17 – 30, 2019

Attended one day workshop on **"Intellectual Property Rights and Innovations"** held at Sri Sairam Engineering College, Chennai on 20th July 2019.

Attended the ISTE Sponsored Faculty Development programme on **"Renewable Energy Systems"** held from 22nd to 26th July 2019 at Sri Sairam Engineering College, Chennai.

Faculty Development Training Programme on "**Multidisciplinary Research Innovation In Engineering Science And Technology For Sustainable Development** "at BPIN TRIPATHI KUMAN ON INSTITUTE OF TECHNOLOGY on 26/10/2020 to 07/11/2020.

Faculty Development Training Programme on **"Modeling and Simulation of Renewable Energy Systems using MATLAB" from 02.11.2020 to 07.11.2020" at** Misrimal Navajee Munoth Jain Engineering College.

"**CREATIVE METHODS AND TOOLS FOR EFFECTIVE RESEARCH DISSEMINATIION**"10-16 December 2022 Organized by Advanced Signal and Image Processing Lab, Department of Electronics and Communication Engineering. Indian Institute of Information Technology. Design and Manufacturing. Kaneheepuram, Chennai.