Sri Sai Ram Engineering College

Department of Instrumentation and Control Engineering

Name: **R.ILAYARAJA**	
Designation:	Asst.Prof. Grade-III
Qualification:	B.Tech., M.E.,
Area of Specialization:	Electronic and Control
Experience:	Teaching- 12 Years and 1 months
	Industry: 1 year
Number of Workshops/ Conferences/ FDP Attended:	16
Publication:	Journal: National:Nil International:03
	Conference: National: Nil International:06
Research Guidance:	Guided 16 UG Projects till date
General:	ISTE- Life Time Member
Staff Achievement	• Awarded Best Paper in an international conference held at Pondicherry on 2016 • Consecutively bagged Runners-Doubles Badminton in State level Faculty Doubles Tournament 2018 and 2019 in MEPCO College at Sivakasi • Bagged Runners-Doubles Badminton in State level Faculty Doubles Tournament 2021 in MCC, Chennai. • Has been the coordinator for organizing an International Conference.

	• Won the champion ship and first place in the State level Faculty Badminton Doubles Tournament 2024 in Rathinam Arts and science College at Coimbatore.

Teaching Experience:

S. No	Name of the Institution	Designation	Department	Period of Experience
1.	Sri Sairam Engineering College, West Tambaram, Chennai	Assistant Professor/Grade III	Instrumentation and Control Engineering	12 years (Till date)

FDP/Workshop/STTP/Seminar Attended:

1. Attended three days FDP on "Advance Process Control" conducted by Department of Instrumentation Engineering on 22nd-24th Dec 2010 at MIT Campus, Chennai.

2. Attended Two days FDP on "Development of Sensors in Industrial Applications" on 26th and 27th Sep 2013 at Easwari Engineering College.

3. Attended three days Workshop on "PLC and SCADA" on 9th-11th Feb 2006 at Easwari Engineering College.

4. Attended Two days Workshop on "Advanced Industrial Robotics" on 3rd-4th March 2017at Sri Sairam Engineering College.

5. Attended Five Days FDP on "Process Control" on 16th – 23rd Dec, 2016 at MIT Campus, Anna University Chennai.

6. One month Training on SCADA and PLC (Programming and Training) from 07.06.2006-11.07.2006 conducted by Director of Technical Education Guindy.

7. STTP on "PLC, SCADA, Industrial Automation and Control (Hands on)" at Indian Institute of Information Technology Design and Manufacturing, Kancheepuram, Tamilnadu during 5th – 7th July 2018.

8. AICTE Training And Learning (ATAL) Academy **Online** FDP on "**Internet of Things (IoT)**" from **2020-10-19** to **2020-10-23** at **THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-625 015**.

9. AICTE FDP on "Machine learning technique for imaging and healthcare with python" at Sri Sairam engineering college. During 28.01.2021 to 10.02.2021

10. AICTE Training And Learning (ATAL) Academy **Online** FDP on "**Robotics**" from **2020-9-21** to **2020-9-25** at **PSG College of Technology**.

11. Attended ATAL FDP on "Hands on Training with "Perspectives of Blockchain

Integrated with IoT: Challenges and Opportunities" at PSNA College of Engineering and Technology on 5/7/2021 to 11/7/2021.

12. Attended ATAL FDP on "Robotics" at PSG College Technology on 21/09/2021 to 25/09/2021.

13. Attended the 7 – days Hands on Training on "Advanced Industrial Automation" Conducted in associaion with indwell Automation, mangaluru held from25th October 2021 to 1st November 2021.

International /National Conference Attended:

1. **R.Ilayaraja,** "Speed Control of Single and Three Phase Induction Motor using Full Bridge Cycloconverters", 1st International Conference on Power, Energy, Control and Transmission Systems-2018 at Sri Sairam Engineering College ,Chennai, 22nd and 23rd Feb 2018.

2. **R.Ilayaraja,** "Autogenic Fuel Qualito Quantifier", 1st International Conference on Power, Energy, Control and Transmission Systems-2018 at Sri Sairam Engineering College, Chennai, 22nd and 23rd Feb 2018.

3. **R.Ilayaraja,** "IOT Based Vehicle Theft Monitoring and Over speed Control", 1st International Conference on Power, Energy, Control and Transmission Systems-2018 at Sri Sairam Engineering College, Chennai, 22nd and 23rd Feb 2018.

4. **R.Ilayaraja,** "Over speed recognition and vehicle theft managing system using Raspberry Pi", Jaffna University International Research Conference JUICE 2018 on 27th and 28th Sep, 2018.

5. **R.Ilayaraja,** "Smart Health Monitoring System for Soldiers using IOT", 1st International Conference on Computing, Communication and Control -2020 at Sri Sairam Engineering College, Chennai, 28th and 29th Feb 2020.

6. **R.Ilayaraja,** "Double Inverted Pendulum Control in Matlab-Simulink using Quanser Rotary Double Inverted Pendulum Module", 1st International Conference on Computing, Communication and Control -2020 at Sri Sairam Engineering College, Chennai, 28th and 29th Feb 2020.

List of National and International Journal publication:

S.NO	TITLE OF THE PAPER	JOURNAL DETAILS	PUBLICATION DATE	VOL/EDITION DETAILS
1.	Speed Control of Single and three phase Induction motor using Fuel bridge cyclo converter	IEEE Xplorer, (Scopus indexed)	2018	no:318-327,10.1109/ICPECTS.208.8521626

2.	*Over speed recognition and vehicle theft managing system using raspberry pi*	University of Jaffna http://repo.lib.jfn.ac.lk/ujrr/handle/123456789/4009	2018		978-955-0585-11-3
3.	Double Inverted Pendulum control in MATLAB	Test Engineering and Management	2020		. Vol:83,Pg:13937-13941,ISSN:01934120
4	Smart Health Monitoring system for Soldier using IOT	Journal of Critical Review	2020		7(14),847-881,23945125
5.	VEHICLE FUEL QUALITY AND QUANTITY DISPLAY METER USING AUTOGENIC FUEL QUALITO QUANTIFIER	Journal of Gujarat Research society	2019		Vol. 21 No. 17 (2019): Vol 21 No. 17 (2019)
6.	System towards surveilling soldiers health using IOT	AIP Publishing (Scopus indexed)	2023		2023, 2788(1), 020006
7.	*Harvestgo-A Versatile Weed Identifier Using AI*	IEEE Xplorer, (Scopus indexed)	2023		ICCEBS 2023, 2023
8.	*Bidirectional portable electric vehicle charger with LLC converter*	AIP Publishing (Scopus indexed)	2023		2023, 2788(1), 130007

Patent Details:

Title of the Invention	Application Number	Date of Filing	Publication Date
Multi Sensor Automated Recognition for Remote Sensing Applications	202041046015A	22/10/2020	06/11/2020
AN INTELLIGENT SMART STREET LIGHT SYSTEM WITH SAFETY TECHNOLOGY AND ENVIRONMENT MONITORING	202041047228	29/10/2020	06/11/2020

Beyond the bench-encancing learning through AR/VR in process controlsimulation	202441085790 A	08/11/2024	15/11/2024