


SriSaiRamEngineering College

DepartmentofElectronicsandInstrumentationEngineering

<p>Name: T.TAMILSELVI</p>	
<p>Designation:</p>	<p>Associate Professor</p>
<p>Qualification:</p>	<p>M.E,PursuingPh.D</p>
<p>Experience:</p>	<p>Teaching- 22yrs 3 Months</p>
	<p>POLYTECHNIC:4,ENGINEERINGCOLLEGE:15</p>
<p>NumberofWorkshops/Conferences/ FDP Attended:</p>	<p>WORSHOPS- 12/ 10/ 14</p>
<p>Publication:</p>	<p>Journal: National: - 4 International:3</p>
	<p>Conference: National:04 International:0 3</p>
<p>General:</p>	<p>MiniprojectEXPOCoordinato r, Main project exam Coordinator, Department ISTE coordinator, ISTE member, GuidedUGprojec ts, e- yantra member.</p>
<p>StaffAchievement</p>	<p>HavewonGoldcoinforproducingbestresultsKalsa rcollge of Engg. College in the year 2002.</p> <p>HavewonCashawardsforproducing100%results5 times in Sri sairamEngg. College.</p>

Area of Interests:

Robotics, VLSI design, Control system, Communication, cryptography, Embedded System

Experience:

S. No	Name of the Institution	Designation	Department	Period of Experience
1.	Sri Sairam Engineering College, West Tambaram, Chennai	Assistant Professor	Electronics and Instrumentation Engg	10 years and 4 months (1.06.2012-till date)
2.	S.A Engineering college	Assistant Professor	Electronics and Communication Engg	11 months (June 2011-April 2012)
3.	Sri Venkateswarar College of Engg. and Technology	Assistant Professor	Electronics and Communication Engg	01 yr and 10 months (June 2009-April 2011)
4.	Murugappapolytechnic college	Lecturer	Electronics and Communication Engg	4 Years (June 2005-May 2009)
5.	Kalsar College of Engineering	Lecturer	Electrical and Electronics Engg	4 years (June 2001-May 2005)

Theory Subjects Handled:

- | | |
|--------------------------------------|------------------------------------|
| • Power Electronics | • Control Systems |
| • Robotics and automation | • Circuit Theory |
| • VLSI design | • Measurements and Instrumentation |
| • Information theory and coding | • Transducer Engineering |
| • Microprocessor and microcontroller | • Communication Engineering |
| • Industrial Instrumentation II | Fibre optics and Laser Instruments |
| • Digital Logic circuits | |
| • Analytical Instrument | |
| • Professional Ethics in Engineering | |

UG projects Guided:

S.No	Title of the Project work	Period of Guidance
1.	PLC operated automated safety measure for communication based unmanned Metro Trains	Dec 2012-April 2013

2.	Gesticulationbasedmessageintimationtoauxiliary Display panels	Dec2012-April2013
3.	OnlineDiagnosisofX-RayimagesusingFLDAimage processing Algorithm	Dec2013-April2014
4.	Achieving High Performance on chipNetwork with shared Buffer Routers	Dec2014-April2015
5.	Efficient utilization of filter station using siemen'sS7300PLC	Dec2015-April2016

6.	Efficient control of Nonlinear process by using MATLAB and VHDL	Dec2016-April2017
7.	Smoking cessation with smoke sensor	Dec2017-April2018
8.	Novel electronic component wrecker usingEMP	Dec2017-April2018
9.	AutoDirecting Solar Panel with Energy Metering system	Dec2018-April2019
10.	Doctors Assistive System using Augmented Reality and Machine Learning	Dec2019-April2020
11.	Fault analysis and Mitigation Using LabView	Dec2020-April2021
12.	System To Predict Of Osteoporosis Disease And Early detection using IOT	Dec2021-April2022
13.	Smart Trolley For Shopping Mall	Dec2022-April2023

WorkshopsAttended:

S.No	Workshop/FDP	OrganizationDetails	Duration/Dates
1.	ISTEworkshopon“ Signalsand Systems ”	Organized by IIT-Kharagpur Venue- SAVEETHAEngineering college,Chennai.	2Week-2 nd to12 th January 2014.
2.	FDP“ ASteptooutcome basedAccreditation ” on april 2015.	conductedby”SriSAIRAMInstitute of Technology”	April2015.

3.	Workshop on “Introduction to robotics”	Conducted by “Bannari Amman Institute of Technology” , Erode.	July 27-28, 2018
4.	Workshop on “ Modern Power converters for Renewable Energy Interface”	Conducted by “SSN College of Engineering, Chennai “	January 24-25, 2019
5.	Workshop one-yantra Lab Idea completion conducted at national level ”	Conducted by “IIT-Mumbai“	April 5-6, 2019
	Workshop on JAVA at national level ”	Conducted by “PANIMALAR INSTITUTE OF TECHNOLOGY “ , Chennai	May 25-30, 2020

7.	Attended a FDP on “ AI master series” conducted by Pantech solution	Conducted by “APSSDC AND PANTECH “	Oct 5-24, 2020
8.	National Level webinar on “Stress management and Entrepreneurship”	Conducted by “Entrepreneurship and development cell “SIIMS, AP	Nov 20, 2020
9	Online course on “ LabView with Developer (CLAD)”	Conducted by “Crescent college of engineering ”	Feb 1-15, 2021
10.	Completed Online teacher's Training program on “Recent Advances In Machine learning and IOT“	Conducted by “RGVP, M.P” from Sagar Institute of science and technology, Bhopal	Feb 22-27, 2021

11.	Workshop on 'Simulation of Power Converters using Matlab – Simulink'	Conducted by "SSN College of Engineering, Chennai	August 1-2, 2022
12.	IoT and Machine Learning for Electrical Engineering organised	Conducted by "SSN College of Engineering, Chennai	Oct 28-29 2022
13.			

♦ One of the members of e-yantra Team.

➤ **Conference Details:**

S.No	Paper Title	Journal/Conference Details	Publication details (Vol/Edition/Year and month of publication)
1.	Eye Interface Tech. with electrocardiography control computer with eyes	National Conference held at Gojan School of Engineering, 24.3.12	March 2012
2.	Online diagnosis of X-ray image using FLDA image processing algorithm	International Conference on Research trends in electronics & Communication, St. Joseph's College of Engineering, Chennai.	April 2014
3.	Adaptive PID controller for magnetic Levitation system	National level Conference on Contemporary approaches of Industrial – IOT in Real time environment conducted in KCG college of technology.	5 th Dec. 2017
4.	Smoking cessation with smoke sensor	International Conference on 'Advanced computing and big data analysis' held at Kingston Engineering college, Vellore.	23 rd March 2018

5.	A Novel hidden electronic component wrecker using EMP	International Conference on 'PHOTONICS AND HIGH SPEED OPTICAL NETWORK' organised by department of Electronics & Communication at SA Engineering College, Chennai.	13 th March 2018
6.	ARDUINO BASED SOIL NUTRIENT DETECTOR TO INCREASE YIELD	4 th International Conference on Science and technology organised at Jeppia Engineering College, Chennai.	23 rd March 2018
7.	AUTO DIRECTING SOLAR PANEL WITH ENERGY METERING SYSTEM	2 nd International Conference on Information, Embedded, Communication Systems at St. Joseph College of Engineering, Chennai.	22 nd March 2019
8.	"Doctors Assistive System using Augmented Reality and Machine Learning".	2 nd International Conference on COMPUTATIONAL SCIENCE AND TECHNOLOGY at Sai Ram Engineering College	6 th March 2020
9.	"Implementation of Simple Solar array simulator using curve fitting algorithm."	3 rd International Conference. ICASIS 2020-at Bharath Institute of Higher education	16 th May 2020
10	"Smart Solid And Wet Waste Management System"	2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)	Oct 2022
11	"Performance study on a mono-pass solar air heating system (MPSAH) under the influence of a PCM"	Published Material proceedings Science Direct	March 2023

InteractionwithExternalworld:

- Acted as Resource person at“AICTE sponsored STTP on Green IOT for Smart Environment”organized By Panimalar institute Of Technology on 15.3.2021.

- AcitivememberofE-YANTRAEVENTSatdepartmentLevel.

Participated and presented the solution for DISC 7 by Defence India at Level 1 .

- Students of ECE actively participated in IIT Mumbai competition’sMarch 2019.
- We have continue interaction withIIT-Mumbai .
- Completed a IIT TBTduring 2018
- Session chair for ICRTCEE at SIMATS on 17TH March 2023

Responsibilities’ at Department Level:

- SIH 2023 –Department Co-ordinator
- ISO Co-ordinator
- NAAC C6 Incharge
- E-yantra Co-ordinator