SriSaiRamEngineering College

DepartmentofElectronicsandInstrumentationEngineering

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

AreaofInterests:

**Robotics,VLSIdesign,Controlsystem,Communication,cryptography,Embe
ddedSystem**

Experience:

S. No	Nameofthe Institution	Designation	Department	PeriodofExperience
1.	SriSairamEngineeri ng College, West Tambaram, Chennai	AssistantProfessor	Electronics and Instrumentat ion Engg	10 yearsand4month (1.06.2012-till date)
2.	S.Aengineeringcollege	AssistantProfessor	Electronicsand Communication Engg	11months (June2011-April2012)
3.	Srivenkateswaracolle ge of engg. and technology	AssistantProfessor	Electronicsand Communication Engg	01yrand10 months (June2009-April2011)
4.	Murugappapolytec hnic college	Lecturer	Electronicsand Communicatio n Engg	4 Years (June2005-May2009
5.	Kalsarcollegeof engineering	Lecturer	Electricala nd Electronics Engg	4 years (June2001-May2005)

TheorySubjectsHandled:

- PowerElectronics
- Roboticsandautomation
- VLSIdesign
- Informationtheoryandcoding
- Microprocessorandmicrocontroller
- IndusrialInstrumentationII
- Digital Logic circuits
- AnalyticalInstrument
- ProfessionalEthicsinEngineering

- ControlSystems
- CircuitTheory
- MeasurementsandInstrumentation
- TransducerEngineering
- CommunicationEngineering FibreopticsandLaserInstruments

UGprojectsGuided:

S.No	TitleoftheProjectwork	Periodof Guidance
1.	PLC operated automated safety measure for communicationbasedunmannedMetroTrains	Dec2012-April2013
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 Augumented 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-SAV EETHAEngineering college,Chennai.	2Week-2nd to12th January 2014.
2.	FDP"ASteptooutcome basedAccrediation" on april 2015.	conductedby"SriSAIRAMInstitute of Technology"	April2015.
3.	Workshopon **"Introductiontorobotics"**	Conductedby"**BannariAmman Institute of Technology**", Erode.	July27-28,2018

4.	Workshop on **" Modern Powerconvertorsfor Renewable Energy Interface"**	Conductedby"**SSNCollegeof Engineering, Chennai** "	January24-25,2019
5.	Workshopone-yantraLab Idea completion conducted at national level **"**	Conductedby"**IIT-Mumba i**"	April5-6,2019
	WorkshoponJAVAat national level **"**	Conducted by "PANIMALAR INSTITUTEOFTECHNOLOGY ",Chennai	May25-30,2020

7.	Attended a FDP on" AI master series" conductedbyPantec h solution	Conductedby"APSSDCAN D PANTECH "	Oct5-24,2020
8.	NationalLevelwebinar on "Stress management andEntrepreneursh ip"	Conducted by"Entrepreneurship anddevelopmentcell"SIIMS,AP	Nov20,2020
9	Onlinecourseon " LabView with Developer(CLA D)"	Conductedby"Cresentcollegeof engineering "	Feb1-15,2021
1 0.	CompletedOnlineteacher s Training program on "Recent Advances In Machine learning and IOT"	Conductedby"RGVP,M.P"from Sagar Institute ofscince and technology,Bhopal	Feb22-27,2021
11.	Workshopon 'Simulation of Power Converters using Matlab – Simulink'	Conductedby"**SSNCollegeof Engineering, Chennai**	August 1-2,2022

12.	IoT and Machine Learning for Electrical Engineering organised	Conductedby"**SSNCollegeof Engineering, Chennai**	Oct 28-29 2022
13.			

♦ Oneofthememberofe-yantraTeam.

◻ **Conference Details:**

S.No	PaperTitle	Journal/ConferenceDetails	Publication details (Vol/Edition/Yearan d month of publication)
1.	Eye Interface Tech. with electrocardiographycontrol computer with eyes	NationalConferenceheldatGojan School of Engineering, 24.3.12	March2012
2.	Online diagnosis of X-ray image using FLDA image processing algorithm	International Conference on Research trends in electronics &Communication, St.Joseph'sCollege of Engineering, Chennai.	April2014
3.	AdaptivePIDcontrollerfor magneticLevitationsystem	National level Conference on Contempary approaches of Industrial –IOT in Real time environment conducted in KCG college of technology.	5thDec.2017
4.	Smokingcessationwithsmoke sensor	International Conference on 'Advanced computing and big data analysis' held at Kingston Engineering college,Vellore.	23rdMarch2018

5.	A Novel hidden electronic component wrecker using EMP	International Conference on 'PHOTONICSANDHIGHSPEED OPTICALNETWORK' organisedbydepartmentof Electronics& CommunicationatSAEngineering College, Chennai.	13th March2018
6.	ARDUINO BASED SOIL NUTRIET DETECTOR TO INCREASE -YIELD	4th International Conference on Scince and technology organised at JeppiarEngineerng College, Chennai.	23rd March2018
7.	AUTO DIRECTING SOLAR PANEL WITH ENERGY METERING SYSTEM	2nd International Conference on Information, Embedded,Communication SystemsatSt.JosephCollegeof Engineering, Chennai.	22rd March2019
8.	"DoctorsAssistiveSystemus ing Augmented Reality and Machine Learning".	2NDInternational Conference on COMPUTATIONAL SCIENCE ANDTECHNOLOGYatSaiRam EngineeringCollege	6thMarch2020
9.	"ImplementationofSimpl e Solar array simulator using curve fitting algorithm."	3RDInternationalConference. ICASISET 2020-at Bharath Institute of Higher education	16THMay2020
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.

- AcitvememberofE-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 llT 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