


SriSaiRamEngineering College

DepartmentofElectronicsandInstrumentationEngineering

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| <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>WORKSHOPS - 12/ 10/ 14</p> |
| <p>Publication:</p> | <p>Journal: National: - 4 International :3</p> |
| | <p>Conference: National:04 International :03</p> |
| <p>General:</p> | <p>MiniprojectEXPOCoordina tor, Main project exam Coordinator, Department ISTE coordinator, ISTE member, GuidedUGproj ects, e- yantra member.</p> |
| <p>StaffAchievement</p> | <p>HavewonGoldcoinforproducingbestresultsKal sarcollge of Engg. College in the year 2002.</p> <p>HavewonCashawardsforproducing100%result s5 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 year 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
- Robotics and automation
- VLSI design
- Information theory and coding
- Microprocessor and microcontroller
- Industrial Instrumentation II
- Digital Logic circuits
- Analytical Instrument
- Professional Ethics in Engineering
- Control Systems
- Circuit Theory
- Measurements and Instrumentation
- Transducer Engineering
- Communication Engineering
- Fibre optics and Laser Instruments

UG projects Guided:

| S.No | Title of the Project work | Period of |
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| | | Guidance |
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| 1 | PLC operated automated safety measure for communication based unmanned Metro Trains | Dec2012-April2013 |
| 2 | Gesticulation based message intimation to auxiliary Display panels | Dec2012-April2013 |
| 3 | Online Diagnosis of X-Ray images using FLDA image processing Algorithm | Dec2013-April2014 |
| 4 | Achieving High Performance on chip Network with shared Buffer Routers | Dec2014-April2015 |
| 5 | Efficient utilization of filter station using siemen's S7300 PLC | 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 using EMP | Dec2017-April2018 |
| 9 | Auto Directing 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 |

Workshops Attended:

| S.No | Workshop/FDP | Organization Details | Duration/Dates |
|-------------|--|--|---|
| 1 | ISTE workshop on "Signals and Systems" | Organized by IIT-Kharagpur Venue- SAVEETHA Engineering college, Chennai. | 2 Week- 2 nd to 12 th January 2014. |
| 2 | FDP "A Step to outcome based Accreditation" on April 2015. | conducted by "Sri SAIRAM Institute of Technology" | April 2015. |

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| 3 . | Workshop on “ Introduction to robotics ” | Conducted by “ Bannari Amman Institute of Technology ”, Erode. | July 27-28, 2018 |
| 4 . | Workshop on “ Modern Power converters or Renewable Energy Interface ” | Conducted by “ SSN College of Engineering, Chennai ” | January 24-25, 2019 |
| 5 . | Workshop on e- 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 teachers 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 |

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| 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 Goja n 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 |

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| 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) | Published Material proceedings Science Direct | March 2023 |

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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