



SRM Valliammai Engineering College

(An Autonomous Institution)

SRM Nagar, Kattankulathur-603203, Chengalpattu District, Tamil Nadu.

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Department of Electronics and Instrumentation Engineering

Personal Details

Name: P. TAMILMANI
Designation: ASSISTANT PROFESSOR (SELECTION GRADE)
Educational Qualification: M.E., (Ph.D.)
Experience: 20.5 YEARS
Area of Specialization: Control Systems and Process Control
Date of Joining: 13 / 06 / 2005
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Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.	Electronics and Instrumentation Engineering	MADRAS UNIVERSITY	2001
2	M.E.	Electronics and Control Engineering	SATHYABAMA UNIVERSITY	2005
3	Ph.D.	Electrical Engineering	ANNA UNIVERSITY, CHENNAI	Pursuing

Professional Society Memberships

1. Indian Society of Technical Education (ISTE): Life Member
2. International Association of Engineers (IAENG): Life Member

Publication Details

Journals:

1. "Face Recognition Based Vehicle Starter using IOT", International Journal of Advance Research and Innovative Ideas in Education (IJARIIE), ISSN(O)-2395-4396, Vol-7 Issue-2, March 2021.
2. "Skin Disease Detection Using Telegram Application", JAC: A Journal of Composition Theory, ISSN : 0731-6755, Volume XIV, Issue IV, APRIL 2021.
3. "Lumen Power Production", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 2, Issue 3, March 2020.
4. "Design of Radiation Monitor for Nuclear Power Plant", International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 2, Issue 3, March 2020.
5. "Brain-Controlled Neuroprosthetic Chair", International Journal of Engineering and Science computing (IJESC), Volume - 9, Issue - 3, ISSN 2321 3361, March 2019.
6. "Ambient Energy Scavenging using Avions", International Journal for Research & Development in Technology (IJRDT), Vol-9, Issue-3, March 2018.
7. "Activity Classification and Muscle Disease Detection using EMG Signal", International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), Volume 5, Issue 3, March 2016.
8. "Implementing GUI Package for Recognizing Muscle Disease Using EMG Signals", International Journal of Engineering and Innovative Technology (IJEIT) Volume 5, Issue 8, February 2016
9. "Wireless Based External Pipe Crawling Robot", International Open Journal for Engineering Research, Vol-I, Issue-4, April 2015.
10. "Steady State Extended Kalman Filter Application for a Heat Exchanger Model", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 3(4), pp.120-123, May 2014, ISSN (Print): 2320-3765, ISSN (Online): 2278 - 8875.
11. "System Identifications and Design of Controllers for a Hybrid Tank System", International Journal of Innovative Research in Science, Engineering and Technology, 3(3), pp.564-568, March, 2014, ISSN(Print) 23476710-ISSN (online) 2319-8753.

Conferences:

1. “*Design of Automated Medical Machine*”, National Conference on Communication and Computing (NCCC’17) held at SRM University, Ramapuram Campus, March 2017.
2. “*Muscle Disease Recognition Using MATLAB*”, IEEE sponsored International Conference on Innovations in information embedded and communication systems at (ICIIECS) at Karpagam Engineering College, Coimbatore. March 2016.
3. “*Health monitoring of Industrial pipelines using External Pipe Crawling Robot*”, National Conference on Recent Advances in Science, Engineering and Management, NCRASEM – 2015, 20th March 2015.
4. “*Wireless Based External Pipe Crawling Robot*”, International Conference on Recent Innovations in Engineering & Technology, 13th and 14th February 2015, Chinnasalam, Villupuram District.
5. “*System Identifications and Design of Controllers for a Hybrid Tank System*”, Proceedings of the 2014 IEEE International Conference on Innovations in Engineering & Technology (ICIET’14), March 2014 at K.L.N College of Engineering, Madurai.
6. “*Steady state Extended Kalman Filter application for a heat exchanger model*”, National Conference on Innovative Techniques in Power Engineering and Drives, ITPED-2014, March 2014, Chennai
7. “*Micro Thermoelectric Generator for Solar Energy Conversion*”, National Conference on Advances in Electrical Energy Applications (AEEA-2013), Jan’13 at Vellammal Institute of Technology.
8. “*Micro Thermo Electric Generator for Heat Recovery Systems*” in the International Conference on Nano Electronics and Nano Devices held on 21st and 22nd Jan.2013 at Saveetha University.
9. “*Controlling of 3 DOF Robotic ARM Using Accelerometer*”, National Conference on Recent Enhancement in Advanced Computing Technologies (NCREACT’12), in RRASE college of Engineering, April 2012.
10. “*Design Fabrication and control of 3 DOF using Accelerometer*”, International Conference in MAGNA college of Engineering (ICMEET2k12), April 2012.

Research and Development Details

1. Coordinated “**Entrepreneurship Awareness Camp (EAC)**”, funded by **DST-NIMAT** five times in the Academic Years 2019-20, 2018-19, 2017-18, 2016-18, 2015-16 and received amount from DST of Rs.20,000/- each year for the students to provide a forum for the free and fruitful exchange of idea and information for becoming an entrepreneur.
2. Coordinated 2nd National Conference on “**Emerging Trends in Electronics, Instrumentation and Control (EtEIC-2015)**”, on 11th April 2015 at Valliammai Engineering College.

Other Particulars

1. Received “**BEST TEACHER AWARD**” two times for the Academic Years 2009-2010 & 2006-2007 in Valliammai Engineering College.
2. **Books Published:** Published a Textbook on “**Power Plant Instrumentation**”, SAMS Publications, July 2009 and it was recognized by Anna University and given as a textbook in EIE, Regulation 2017 and 2013.
3. **STTP/FDP coordinated:**
 - Organized a Guest Lecture on “**Recent Trends in Instrumentation**” on 09.01.2020 for the students.
 - Conducted six days Faculty Development Program on “**Control of Processes & Concepts of Electrical Machines**” from 12-11-2018 to 17-11-2018 for the benefit of our staff members
 - Conducted a Value-added course titled “**Virtual Instrumentation using Lab VIEW**”, from 5th February 2015 to 23rd February 2015 for the benefit of all streams of Engineering students.
 - Organized an one-day Staff Development Program on “**Calibration of Instruments**”, for the Programmers and Lab Assistants of our college on 14th May 2015.
 - Conducted one day Workshop on “**Virtual Instrumentation**”, which is offered for the Programmers and Lab Assistants on 27th June 2014.
 - Conducted one day Training Programme on “**Handling of LCD and OHP**”, on 27.07.2012.
 - Organized one day workshop on “**Usage of OHP and LCD projectors**”, for Technical staff members on February 2008.
4. Produced good results and got 100 percentage pass percentage in more than 10 subjects.
5. Awarded Best Paper in IEEE sponsored International Conference on Innovations in information embedded and communication systems at (ICIIECS) at Karpagam Engineering College, Coimbatore, on the topic of “**Muscle Disease Recognition Using MATLAB**” March 2016.
6. Awarded Best Paper in National Conference on communication and computing at SRM University, Ramapuram Campus, Chennai, on the topic of “**Activity Classification and Muscle Disease Detection Using EMG Signals**” March 2016.
7. Awarded second prize in National Conference National Conference “**Emerging Innovations on Electronics Instrumentation and Automation (EIEIA’16)**” at SRM University, Kattankulathur Campus, Chennai on the Topic of “**Muscle Disease Recognition Using MATLAB**” March 2016.