

Dr.P.Saravanan



Designation:	Professor			
Qualification:	M.E., PhD			
Area of specialization:	Electronics and Communication			
Experience:	Industrial Experience		Teaching Experience	
	4Years		24 Years	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	8		8	
Publications:	Conference		Journal	
	National	International	National	International
	2	10	2	10
Books / Book Chapters				
Patents:	National		International	
	5			
Professional Body Membership	IEEE,IETE and ISTE			

Staff Achievements	
	<ul style="list-style-type: none"> Received BEST ISF Co Ordinator award for three year from IETE Chennai Center.
	<ul style="list-style-type: none"> Received Academic Excellence award from TRP. Received Consistent mentor award from ATAL

Educational Qualifications:

	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
U.G.	BE	ECE	1996	MOHAMED SATHAK ENGINEERING COLLEGE	MADURAI KAMARAJ UNIVERSITY	71	First class
P.G.	ME	Power Electronics & Drives	2005	College of Engineering, Guindy	Anna University	6.56	First class
P.h.D.	-	Information and Communication	2019	-	Anna University	-	-

ACADEMIC EXPERIENCE

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Rajalakshmi Engineering college	Senior Lecturer	25/6/2001	24/6/2007	6	-	-
Dhanalakshmi College of Engineering	Senior Lecturer	2/8/2007	19/6/2008		10	17
Sri Sai Ram Institute of Technology	Assistant Professor	20/6/2008	1/1/2015	6	6	0
Sri Sai Ram Institute of Technology	Associate Professor	2/1/2015	127/8/25	10	2	11
Sri Sai Ram Engineering College	Professor	28/8/2025	Tilltoday	-	5-	19
Total				24	0	17

PUBLICATION DETAILS:

Journals	
	<p>1.Saravanan, P,Bhaskar.T 2025, ‘An adaptive learning model for secure data sharing in decentralized environments using blockchain technology’, International Journal of Basic and Applied Sciences</p> <p>2.Saravanan, P,Anis Kumar M 2024, ‘Pyrolysis behavior and Synergistic effect in Co-Pyrolysis of Wheat straw and Polyethylene terephthalate:’, Heliyon</p> <p>3.Saravanan, P,Sathya Narayana.T 2024, ‘Experimental Investigation and Optimization of tool geometry for turning process using response surface methodology” Elsevier-Materials Today</p> <p>4.Saravanan, P,S.Rajarajan 2023, ‘Compact Tri-Band Antenna with Double winding structures for 3G/4G/5G base station Applications” Springer,Wireless Personnel Communication.</p> <p>5.Saravanan, P,Latha, B &Bhoopathybagan, K 2017, ‘An algorithm to improve the performance of medical signal filter with implementation using arm processor ', Biomedical Research, vol.28, no.6, pp. 2402-2406, ISSN : 0970938X (WOS). Impact factor – 0.219.</p> <p>6.Saravanan, P,Latha, B&BhoopathyBagan, K 2015, ‘Comparative study ofDifferent Multipliers For Signal processing applications’,Published inInternational Journal of Applied Engineering Research, vol.10,no.75,pp.12-16,ISSN 0973-4562.(Scopus)</p>

	<p>7. Saravanan, P,Latha, B&BhoopathyBagan, K 2014, ‘An effective algorithm of lowpower implementation of digital filter with improved multiplier and sigma-delta ADC’,Published inInternational Journal of Applied Engineering Research, vol.9,no.24,pp.30771-30780,ISSN 0973-4562. (Scopus)</p> <p>8. Dr.Saravanan.P,etal “Doctors Assistive System Using Augmented Reality For Criticare Analysis” International journal Of science and innovative engineering & technology, Vol 1,May 2019,ISBN-978-93-81288-18-4.</p> <p>9.Dr.Saravanan.P etal” A Modern Methodology Enabling Smart Agriculture System”, Journal of physics:conference series,June 2019.</p> <p>10..Dr.Saravanan.P etal” Design And Implementation Of Performance Improved Medical Signal Filters With And Without Multiplier, Indian journal of public health research & development,Vol, 10,June 2019.</p> <p>11..Dr.P.Saravanan,,RamprasadMaharana,Dr.T.Muthamizhan,2020,” Performance improvedMedical signal Filter with Doctor's Assistance system through Augmented reality” Solid state Technology,Vol 63,no.3.ISSN 0038-111x.</p>
<p>Books / Book Chapters / Monographs</p>	<p>“Hampel filter as medical signal filter with Doctors assistance system for Clinical investication”-LAMBERT Academic Publishing-2021z</p>
<p>Conferences</p>	<p>1.Presented paper in IEEE international conference ICRTEECT-25 titled “Hill Trekkers Wellness and Position Tracking” in October 2025</p> <p>2.Presented paper in IEEE international conference ICCCSS-25 titled “IOT Enabled smart Irrigation systems with Machine learning” in October 2025</p> <p>3.Presented paper in IEEE international conference ICCSP-25 titled “D Pose Estimation with Rotation Data Using CNN and Sensors” in April 2025.</p> <p>4.Presented paper in IEEE international conference ICPECTS-24 titled “IOT based Soil Moisture Monitoring and Nutrients suggestion Based on the Soil PH value ” in October 2024</p> <p>5.Presented paper in IEEE international conference ICCSP-24 titled “Solar Powered Quadcopter Drone ” in April 2024</p> <p>6.Presented paper in IEEE international conference ICOSEC-23 titled “Implementation and Prediction of Accurate Data Forecasting Detection with Different Approaches ” in October2023</p> <p>7.Presented paper in IEEE international conference ICES-22 titled “Collabrative Product Recommendation System for E-Commerce Websites” in October 2022</p> <p>8.Presented paper in IEEE international conference IC3IOT-22 titled “IOT Enabled Inexhaustible E-Vehicle using Transparent Solar Panel” in April 2022</p> <p>9.Presented a paper in the international Conference on Science and Innovative Engineering titled ‘Wireless power transfer of Harvested Energy from Automobiles’ in April 2017 at Jawahar Engineering College, Chennai44.</p>

10. Presented a paper in the international Conference on Computational Science and Technology, ICCST-2017 titled 'Performance Comparison for Various Digital Filters, Design & Implementation methods' in October 2016. at Sri Sai Ram Engineering College, Chennai.44

11. Presented a paper in National conference ARICE 2020 titled 'Inline inspection robot for crack detection using image processing' in March 2020, at Sri Sairam Institute of Technology, Chennai-44.

Events Organized:

- 1..AICTE Sponsored National conference NCCOMNET-11 in Sri Sairam institute of Technology, August-2011.
2. Workshop on "Circuit Simulation using EDA tools" in July 2015.
3. Organised Departmental Technical Symposium-Praestantia-2018.
4. Organised Technical Workshop on Simulation using Orcad /PSPICE.
- 5.Organised oneday workshop on "Motivation for Innovation " organized in October -2020.
- 6.Organised FDP on "Modern IOT Tech tools & Design for Real time applications " organized in June -2020.

Workshop/FDP Attended.

- 1.Attended five days FDP on "QNX-Real time operating system" in August- 2025 at VIT, Chennai
2. Attended workshop on "How to write research papers for referred Journal" in Sri Sairam Institute of technology in Jan- 2015
- 3 .Attended two days workshop on "Circuit simulation using EDA tools" in Sri Sairam Institute of technology in August- 2015 .
- 4.Attended SDP on "A step to outcome based Accreditation" in April 2015 at Sri Sai Ram Institute of Technology, Chennai
- 5.Attended two days FDP on "Electromagnetic field theory and Transmission lines" in June 2015 at Sri Sairam Institute of Technology, Chennai.
6. Attended three days workshop on "Rapid Prototyping-IOT and Embedded System Design" in Sairam Engineering College, Chennai. From 12/11/18 to 14/11/18.
- 7.Attended oneday workshop on "Application of VLSI in ESDM " organized by IETE Ranchi centre in Nov - 2020.
- 8..Attended STTP on Emerging Trends in Micro/Nano Sensors and Actuators for Industrial applications, organised by SMVCE, in November, 2020.
9. Attended FDP on Supervised and unsupervised Machine learning using google cloud, organised by RMK Engineering College, in November, 2020.
- 10..Attended ATAL fdp on Internet of things,, organised by IITR, Pune, in November, 2020.
- 11.Attended STTP on Emerging Trends in Micro/Nano Sensors and Actuators for Industrial applications, organised by SMVCE, in November, 2020.
- 12 Attended STTP on Emerging Trends in Micro/Nano Sensors and Actuators for Industrial applications, organised by SMVCE, in November, 2020.

ON - LINE COURSES

Sl. No	Title	Certification Authority	Month/Year
1	Power Electronics with Wide Band Gap Devices	NPTEL	November 25
2	Low Voltage CMOS Circuit Operation	NPTEL	November 25
3.	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	NPTEL	November 25
4.	Eight Module MOOC Courses	NITTTR	October 23

Signature

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