




Sriram Engineering College

Department of ECE

Name & Photo : Dr. S. Sargunavathi		
Designation: Associate Professor & Head (I/C)		Associate Professor & Head(I/C)
Qualification :	UG(Specialization)	B.E , Electronics and Communication Engineering
	PG(Specialization)	M.E. Embedded System Technologies
	Others	Completed Ph.D. in Anna University, Chennai
Area of Specialization :		Communication Systems Wireless Communication. Computer Networks
Experience :	Teaching	20 Yrs 8 Months
	Industry	NIL
Journal Publication (Specify only numbers)	National	---
	International	04
Paper Presentation in Seminar/Conference /Workshop (Specify only numbers)	National	11
	International	11
Participation in (Specify only numbers)	Seminar/Conference /Workshop	01
	SDPs/FDPs	02
	Training Programs	01

Subjects Handled	<ul style="list-style-type: none"> ➤ Electronic circuits-I ➤ Electron Devices and Circuits ➤ Digital Electronics ➤ Communication Theory ➤ Linear Integrated Circuits. ➤ Digital Communication. ➤ Computer Networks. ➤ Antenna and Wave Propagation. ➤ Electromagnetic Interference and Compatibility ➤ Optical Communication and Networking ➤ Wireless Communication ➤ Wireless Networks ➤ Mobile Ad-Hoc Networks.
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Experience Details: (Teaching & Industrial)

Name and Address of the Institution	Designation	Total No. of Years / Months
Sriram Engineering College, Perumalpattu, T hiruvallur District	Associate Professor	19 Yrs
Sri Krishna Polytechnic College, Arakkonam, Vellore district	Lecturer	1 Yr 8 Months

Paper Presentation in Conferences/FDP/Workshop/Seminar/Guest Lecture:

S.No	Date	Venue	Event	Title
1	3 rd , 4 th March 2017	AMS college of Engineering, Avadi, Chennai	International conference International Intellectual Convergence on Advances On Science And Engineering IIASE-2017 organised by	Micro IMU based motion tracking system for virtual training using degrees of freedom razor IMU
2	10&11 th March 2016	Saveetha School of Engineering. Avadi, Chennai	IEEE Sponsored International Conference	IEEE sponsored International Conference conducted at titled as “Trust based Routing methods to Pacify Network Layer Attacks in MANET- Survey”

3	19,20 th October 2016	Pondichery Engg College , Pondichery	IJCSIS Sponsored International Conference	TCOR- Energy Efficient and Power Saving Routing Architecture for Mobile Ad-Hoc Networks
4	2 nd april 2016	Sriram Engineering College ,Perumalpattu	National Conference- (DAME-Developments In Automobile and Mechanical Engg)	Role of Nano Technology In Shaping the Future of Mobile and Wireless Devices
5	14 th Sepember 2014	Vellammal Engineering College, Chennai	International Conference- Current trends in Engg Research	Design and implementation of Class F power amplifier for ultrasonic transducers.
6.	2014	Paavai Engineering College. Nammakal	International Conference- (Emerging Technology ICET 2014)	Light weight trust based Intrusion detection system for MANET
7.	1 st and 2 nd March 2013	Karunya University Coimbatore	International Conference (Innovations in intelligent instrumentation, optimization& signal processing)	Switiching activity localization and reducing the activation time of hardware Trojan using scan flip flop
8	17 th Dec 2013	CIT,Chennai,15.	International Conference On Computing, Communication and Advanced Network ,	Filtering false data in wireless sensor network using co-operative based authentication scheme
9	15 to 17 December 2013	Chennai Institute of Technology Chennai	International Conference (Computing Communication and Advanced Network (ICCCAN 2013))	Filtering False Data In Wireless Sensor Networks Using Co- Operative Based Message Authentication Scheme

10	24 Feb 2012	S.A Engineering College , Avadi, Chennai	International Conference ICICES	Application of VGA monitor controller Based on FPGA Technology
11	28 Jan 2012	SA Engineering college , Avadi, Chennai	International conference	Novel overlay/underlay cognitive Radio waveform Analysis in Fading channels
National Conferences-Publications				
1	06 March 2019	SREC, Thiruvallur District	National Conference-	QCA implementation of edge triggered Flipflop and its application in up Counters
2	28 March 2018	SVIST , TThiruvallur District	National level Conference- NCRTIES 2K18,	Design fabrication and performance analysis of micro strip patch antenna for wireless applications
3	28 March 2018	SVIST, Thiruvallur District	National level conference NCRTIES 2K18,	Landmine detection from GPR data using convolution and Nureal network codes in Rasberry Pi
4	March 2013	PITAM, Thiruvallur	National Conference	Measurement of foot hardness and pressure of diabetic patients using Embedded System.
5	28 Jan 2012	SA Engineering College, Avadi, Chennai	National Conference	Perfomance Evaluation of Task migration Mis-based network” Proceedings of the
6	2&3 April 2012	Presidency college Chennai 60005	National Conference- UGC Sponsored National seminar on “Advanced mathematical methods For climate research AMMCR 2012	Prevention of DDOS attack using entropy variation .

7	April 2011	Vellamal Engineering College, Chennai	UGC Sponsored National seminar	GSM Based Mobile wireless Data acquisition system for Telemedicine Application Using ARM
8	03 &04 March 2010	Sriram Engineering College, Perumalpattu	National Conference- National Conference on Emerging trends in computer Applications	“Staff attendance monitoring (Embedded Based)”
9	26&27 April 2010	Sriram Engineering College, Perumalpattu	National Conference- Advance Computer Networks &Communication (sponsored by Scientific &Industrial Research New Delhi)	“Implementation of tiny encryption algorithm using Xilinx
10	05 th March 2006	Adhiyaman College Of Engineering, Hosur	National Conference- VLSI Trends And Embedded Systems	“VHDL Implementation Of Decimation Filter
11	Dec ‘2011	PEC, Thiruvallur District	Attended a National level workshop on NS2	Network Simulator-2
12	6 ,7 th September 2012	Saveetha School of Engg, Chennai	Attended National Level Workshop	Recent trends On Sensor and Wireless networks
13	21.22 st Feb 2017	SA Engineering College, Avadi, Chennai	National Level Seminar	Pervasive health care Technologies from wearable sensors to smart implants
14	23 rd -29 th December 2013	Sriram Engineering College, Perumalpattu	FDP- Resource Person	Anna University Sponsored FDP Computer Network

15	04.05.2009 to 08.05.2009	Sriram Engineering College, Perumalpattu.	Five Days workshop Mission10X Wipro	Mission10X Wipro
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Publications in Journals:

S.No	Title, Vol., No., pp., year	National / International	Journal
1	Volume 45 Number 4. March 2017 ISSN 2231-5381.	International Journal	1M.Harish,D.Jagans.S.Kiran , Mrs S.Sargunavathi , “Fall Discosure in homes of older adults using kinect” International Journal of Engineering and Technology. Publishers: Seventh Sense Research Group, indexed in google scholar, cross ref, DOAJ, National Science Library, Index Copernicus. Cite seerex, New Jou
2	Volume No 14 Special issue CIC2016	International Journal	S.Sargunavathi ,J.Martin Leo Manickam “TCOR-Energy efficient and power saving routing architecture for Mobile Ad-Hoc Networks” ,International Journal of Computer Science and Information Security. IJCSIS Publishers- USA Open Access -This journal is indexed in ESCI - IP & Science - <u>Thomson Reuters</u> - <u>Web of Science</u> . Copyright@USA- Impact factor-0.519
3	Volume No 9 Issue no12 ,Page No5703- 5709, ISSN 0974-5572	International Journal	S.Sargunavathi ,J.Martin Leo Manickam , “Trust Based Routing Methods To Pacify Network Layer Attack In MANET-Survey”- International Journal Of Control Theory And Applications, Serial Publications –India Indexed in ESCI - IP & Science - <i>Thomson Reuters</i> - <i>Web of Science</i> , Anna University - ANNEXURE-II
4	ISBN 978-15- 028933-xx September 2014	International Journal	S.Sargunavathi , Jeyashree Tagore, “Design and implementation of Class F power amplifier for ultrasonic transducers”,,International journal of Science and Engineering Research

Awards and Achievements: Received staff appreciation certificate for the subjects

- **Digital Electronics**
- **High Speed Networks**
- **Mobile Ad-Hoc Networks**
- **High Performance Computer Networks**

Research Projects obtained:

Fund received from TNSCST under Student Project Scheme (SPS) 2012- 2013 for the TITLE: **Real-Time traffic information and Management using smart phones for Indian Cities.**

Any other worth mentioning:

- * **ECE Department NBA Coordinator for the Year 2010-2015**
- **SREC- ISO Coordinator for the quality standard ISO 9001:2008**
- **Organised ISO 9001:2015 Training Programme on August 2017**
- **SREC - ISO Coordinator for the quality standard ISO 9001:2015**