




# Sriram Engineering College

Department of Electronics and Communication Engineering

Name & Photo :		<p style="text-align: center;"><b>Dr. L. SIVAGAMI</b></p> 
Designation:		Assistant Professor
Qualification :	UG(Specialization)	B.E (Electronics and Communication Engineering)
	PG(Specialization)	M.E (Embedded systems), Ph.D(waiting for viva voce)
Area of Specialization :		Wireless sensor networks, DSP, Analog and Digital communication
Experience :	Teaching	20 Yrs
Paper Presentation in Seminar/Conference /Workshop (Specify only numbers)	National	20
Participation in (Specify only numbers)	Seminar/Conference /Workshop	5
	SDPs/FDPs	--
	Training Programs	1
		Electronic circuits, Communication theory

Subjects Handled

Satellite communication, Radar and  
Navigational aids,  
Optical communication  
DSP, Signals & systems  
Fiber optic sensors

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**Experience Details: (Teaching & Industrial)**

<b>Name of the Institution</b>	<b>Designation</b>	<b>Total No. of Years / Months</b>
Sriram Engineering College, Perumalpattu.	Assistant Professor	18 Yrs
Elizabeth Thomas Engineering College, Ponneri-601204	Lecturer	1Yr 08 Mons
RMK Engineering College, Kaverapettai	Lecturer	10 months

**Details of Publications in Journals:**

<b>Title</b>	<b>Details of Publications (Citation in IEEE format with DOI)</b>	<b>Journal Name</b>	<b>Volume No. &amp; Page No.</b>
1.Cluster based time synchronization algorithm for mobile UWSN	<b>Scopus indexed</b>	International Journal of Recent Technology & Engg	Volume 7-Issue 4S2,2277- 3878, Dec,2018
2.Raw food and fruit quality inspection system using image processing		International Journal for Science & Advance Research in Technology	Volume-4, Issue- 11,2395- 1052,November 2018
3. An encryption decryption scheme towards higher level cyber security of authenticated data		International Journal of Innovative Research in Science,Engineering & Technology	Volume-8, Issue- 3, March 2019
4.Holocaust Conflict Robot		International Journal of Science Technology & Engineering(IJSTE).	Volume3,Issue 8,Feb 2017
5.Design of aquatic Robo for underwater Monitoring System		International Journal for Science & Advance Research in Technology(IJSART).	Volume3,Issue 1,Jan 2017

6. Traffic Control using Wireless Sensors		International Journal for Science & Advance Research in Technology(IJS ART).	Volume3, Issue 1, Jan 2017
7. An Optimized Time Synchronization Algorithm for Mobile Submarine Sensor Networks	SJR:0.53, H index:9 Anna University (Annexure-II)	International Journal of Control Theory and Applications, IJCTA	Vol-9, Issue12), SEPT, 2016, pp. 5727-5731, ISSN : 0974-5572, Serial Publications International Science Press
8. Cluster-Based MAC Protocol for Collision Avoidance and TDMA Scheduling in Underwater Wireless Sensor Networks	Impact factor-1, 5 yrs Impact factor-1.041 Anna University (Annexure-I)	The Computer Journal (Oct 2016)	Vol-59 Issue-10): 1527-1535, Oxford Publications

### Details of Conference publications and Proceedings

S.No	Date	Venue	Event	Title
1.	6 <sup>th</sup> March 2019	Sriram engineering college	National conference	An encryption decryption scheme towards higher level cyber security of authenticated data
2.	6 <sup>th</sup> & 7 <sup>th</sup> April 2018	Chennai Institute of Technology	International Conference	1. Performance analysis of optical amplifier (EDFA) in telecommunication systems
3.	6 <sup>th</sup> & 7 <sup>th</sup> April 2018	Chennai Institute of Technology	International Conference	2. Real Time Transformer Health measuring system using IOT
4.	10 <sup>th</sup> & 11 <sup>th</sup> March 2016	Saveetha School of Engineering.	International Conference ICHCI'16	"An optimized time synchronization algorithm for mobile underwater sensor networks" in the
5.	19 <sup>th</sup> march 2016	Srirangapoopathi college of engg	International Conference on Emerging trends in engg and tech	Enhancement of battery lifespan of underwater communication "in the
6.	24th March 2016	Sriram Engg College	National Conference (NCCETICB'16)	Wireless power charging
7.	13 <sup>th</sup> March, 2015	Velammal Engineering College	National Conference On Modern	Energy efficient resource allocation in OFDM System with wireless

			Electronics And Signal Processing,NCMESP 15	transmission.
8.	1 <sup>st</sup> March,2014	Oxford engineering college-thiruvanamalai	International Conference On recent trends in engineering and technology-2014	An optimized time synchronization algorithm for mobile underwater sensor networks
9.	21 <sup>st</sup> Jan 2013	Saveetha University	International Conference On Nanoelectronics and Nanodevices	Multiple Adaption Power Control For Energy competence using Error Control Codes.
10.	20 <sup>th</sup> NOV 2012	VIT-Vellore	Set- 12, International Conference	Adaptive Power Control For Energy Efficiency in WSN using ECC.
11.	30 <sup>th</sup> MAR 2012	KCG College Of Tech - Karapakkam	National Conference On "Emerging Trends In Computation And Information Technology	Optimal performance for minimum delay and maximum lifetime for wireless sensor network with any cast using non poisson wake up process
12.	FEB 2012	SA engineering college.	International Conference On "ICICES",	Free space optical communication with co-operation diversity design and performance analysis of transceiver
13.	FEB 2012	SA engineering college.	International Conference On "ICICES",	Efficient data transmission with energy consumption over a wireless sensor networks.
14.	JAN 2012	VIT-Vellore	SENNET- 12 INTERNATIONAL CONFERENCE	SURVEY OF ENERGY EFFICIENT PROTOCOLS FOR WIRELESS SENSOR
15.	18 <sup>th</sup> and 19 <sup>th</sup> March 2011,	K.S.R College Of Engineering	National Conference On "Emerging Trends In Electrical And Electronics Engineering".	FPGA implementation of FFT processor for MIMO OFDM Applications,

16.	11 <sup>th</sup> March 2011,	Kamarajar college of engineering and technology	National Conference On "Advanced technologies in electrical engineering,	Contrast enhancement of color images using tunable sigmoid function
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### **Awards and Achievements:**

- 1.Resource Person for the FDTP on Computer Networks in the year 2013
- 2.Co-ordinated Science Expo in the year 2013-14 and guided projects displayed in Science-Expo
3. Acted as Question paper setter for Kongu Engineering college
4. Achieved 100% result in Signals & systems for 3<sup>rd</sup> sem ECE

### **Results produced:**

<b>S.No.</b>	<b>Subject Title</b>	<b>Result Produced</b>
1	<b>Signals and Systems</b>	<b>100 %</b>
2	<b>Digital signal processing</b>	<b>95 %</b>
3	EC6401-Electronic circuits-II	<b>77 %</b>
4	EC6001-Medical Electronics	<b>86.1%</b>
5		