K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
FACULTY PROFILE

01. Name : Dr.S.Senthil Kumar

02. Designation : Assistant Professor

03. Date of Birth : 20.05.1985

04. Date of Joining : 03.07.2009

05. Specialization : Low Power VLSI Design

06. Email(s) and contact number(s) : s.senthilkumar@ksrce.ac.in & 9865523385

07. Academic Qualification

S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion	Class & % of Marks
1	Ph.D	Low Power VLSI Design	Anna University, Chennai	Anna University, Chennai	2020	-
2	M,E.	Applied Electronics	Kongu Engineering College	Anna University, Chennai	2008	77 % First Class with Distinction
3	B,E	EEE	Adhiparasakthi Engineering College	Anna University, Chennai	2006	75 % First Class with Distinction

08. Experience & Promotion Details (Chronological):

SL.NO.	Name of the Organization	Designation	Period From	Period To
1	K.S.R. College of Engineering	Assistant Professor	01.07.2010	Till Date
2	K.S.R. College of Engineering	Lecturer	03.07.2009	30.06.2010
3	M.Kumarasamy College of Engineering	Lecturer	25.06.2008	08.06.2009

09. Publication Details:-

	*National Level		*International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
	NIL	04	10	06

10. Details of fund received

Sl.No	Title of the Proposal	Funding Agency Details	Date & Duration	Status
1	National Seminar on Renewable Energy Sector as Career Choice	ICSSR	02.03.2023 to 04.03.2023	**Sanctioned (Rs.1,50,000)**
2	Platform for Young Electronics Engineers to be an Entrepreneur	SERB	18.01.18 & 19 .01.18	**Sanctioned (Rs.50000)**

11. Detail of Book/book chapter published

S.No	Book Title	Name of Authors	ISBN
1	Basics of Electrical and Electronics	Dr.E.Vani Dr.S.Senthilkumar	-
2	Measurement and Instrumentation	Dr. M.Vijayakumar, Dr Arun, Dr.S.Ramesh, Dr.M.Ramasamy Dr.S.Senthilkumar	ISBN: 9789356254008

12. Professional Recognition/ Award/ Prize, Fellowship/ Internship received

S.No	Name of Award/Fellowship/ Internship	Awarding Agency
1	Internship - 2024	IISc Bangalore
2	Summer Faculty Research Fellow Programme (2016)	IIT Ropar,Punjab
3	Received 'Class B' award in Task Based Training (TBT-2017) conducted by e-Yantra, IIT Bombay	IIT Bombay

List of Publications

International Journal: 10

1. S. Senthil Kumar S., Nada Alzaben, Sridevi A, Ranjith V., 2024, Improving Quality of Service (QoS) in Wireless Multimedia Sensor Networks using Epsilon Greedy Strategy, DOI: 10.2478/msr-2024-0016 , journal of Measurement science review , Vol 24, No. 3, 113-117 , http: //doi.org :10.2478/msr-2024-0016

2. S. Senthil Kumar, Yuvaraja Thangavel, L. Raja E. Kannan, 2024, Machine Learning Algorithms for Performance Enhancement in DCO-OFDM-Based LiFi Systems, J. Electrical Systems 20-5s ,pp. 423-429

3. S. Senthil Kumar, ,Dr. K. Poongothai, M. K. Nivodhini, Dr. S. Nithyakalyani,2024, A Methodology for Elliptic Curve Cryptography-Based Digital Signature Scheme: A System with Enhanced Security Intelligent Systems And Applications In Engineering, Vol. 12(21s), pp.4151–4154

4. S. Senthilkumar, V. Samuthira Pandi, T. Sripriya, N. Pragadish, 2023"Design of recustomize finite impulse response filter using truncation based scalable rounding approximate multiplier and error reduced carry prediction approximate adder for image processing application" journal of Concurrency and Computation: Practice and Experience Volume35, Issue8, https://doi.org/10.1002/cpe.7629

5. S. SenthilKumar, K.Sakthivel ,2022,'Design of Cascade 11 Level Inverter With Fewest Power Electronics Switches' International Journal for Science and Advance Research In Technology ,Volume 8 , Issue 5,pp.1216-1219

6. Senthilkumar, S & Periasamy, P.S, 2019, 'Adapted Semi Carry Save Modular Montgomery Multiplier for High-Performance Elliptic Curve Cryptographic Processor' An International Journal of Applied Mathematics & Information Sciences ,Volume 13,Issue 5,pp-769-776.

7. Senthilkumar. S, Dr.Periasamy.P.S, Saranya.P ,2015 "Design of Low Power Finite Field Multipliers for Cryptographic Applications" International Journal of Applied Engineering Research (ISSN 0973-4562) Research India Publications, Volume 10, Number 9 , pp-7053-7056.

8. S.Senthil kumar and Neethu Joy, 2014" Efficient Data Collection in WSN using Mobile Elements" International Journal of Scientific Engineering and Technology Research (IJSETR-2014),Volume 03 ,issue 04,pp.0706-0711.

9. S.SenthilKumar and S.A. Sai Sowmeyaa, 2013 ,"Source Location Privacy Preservation in Wireless sensor Network using Computer Based Image Recognition" International Journal of Engineering Research and Development ,Volume 7, Issue 4 , PP. 75-79.

10. S.SenthilKumar and Amurtha Josy, 2012, "A System for Landslide Detection, Monitoring & Prediction of Forewarning Time Using Sesor Networks "International journal of Emerging Trends in Engineering Development, Volume 3, Issue 2 ,page 71-78.

International Conference: 06

1. Senthilkumar. S ,Shindujaa.V " Power Efficient Encoding and Decoding scheme for Network On Chip" International Conference on Advanced Engineering and Technology for sustainable development (ICAETSD'16) 19th and 20th February 2016.

2. Senthilkumar. S, Dr.Periasamy.P.S, Saranya.P "Design Of Low Power Finite Field Multipliers for Cryptographic Applications" International Conference on Engineering Technology and Science (ICETS'15), 5th and 6^{th}March 2015.

3. S.Senthil kumar and Neethu Joy" An Efficient Data Collection in WSN using Mobile Elements" International Conference on Advanced Computing, Control system, Machines and Embedded Technology(ICACT2014),March 2014.

4. S.Senthilkumar and T.Silambarasan "Secured Routing and Enhancing the Reliability of WSN using CAD Algorithms" International Conference on Advanced Computing ,Machines and Embedded Technology (ICACT'13), pp.236-241,MARCH 2013..

5. S.SenthilKumar and S.A. Sai Sowmeyaa, "Source Location Privacy Preservation In Wireless Sensor Network Using Computer Based Image Recognition" International Conference on Advanced Computing , Machines and Embedded Technology (ICACT'13) ,pp.608-613,2013.

6. S. Senthilkumar and Amrutha Joshy "An Early Warning Embedded System For Calculating Landslide Forewarning Time" International Conference on Computational Intelligence and its Applications (ICCIA 2012) March 2012.

National Conference: 04

1. S.Senthilkumar "Design of Autonomous Feeding and Weeding Robots for Agriculture Field using Artificial Intelligence" National Conference on Advancement in Electrical Power, Signal Processing and Communication Network System, held on 23 March 2018.

2. S.Senthil kumar "An Automated System to Prevent Distracted Driving Accidents" National Conference on Green Consumer Electronics , 20th of April,2016.

3. S.Senthil kumar and R.Prabha "Vehicle to Vehicle and Vehicle to Infrastructure Communications in Traffic Management System using VANET" National Conference on Civil, Computing, and Communication (NC4-2014).

4. S.SenthilKumar and Prof.K.Narayanan, "Industrial General Purpose Real Time Controller", National Conference on Emerging Trends in Computer Science and Engineering (ETICSE'08), pp.29,Feb 2008.

National Journal: Nil