

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PROFILE

- 01. Name** : Dr.S.Senthilkumar
02. Designation : Assistant Professor
03. Date of Birth : 20.05.1985
04. Date of Joining : 03.07.2009
05. Professional Membership : ISTE
06. Qualification:



S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion	Class & % of Marks
1	Ph.D	Low Power VLSI	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

- 07. Area of Interest** : Low Power VLSI

08. Experience, Promotion & Designation Details (Chronological):

S.No.	Name of the Organization	Designation	Period	
			From	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)
-	6	6	7

*-Annexure

10. Details of Monographs, Books & Patents/Copy Rights

S.No.	Title	Name of the author(s)	Publisher Name	Year of publication
1	Measurement and Instrumentation	Dr.M.Vijayakumar Dr.V.Arun Dr.S.Ramesh Dr.M.Ramasamy Dr.S.Senthil Kumar	Scientific International Publishing House	2022
2	Embedded Systems Laboratory Manual	M.Subramani M.Vijayakumar S.SenthilKumar J.Thiyagarajan S.Dhivagar	Copy Rights Office	2020

11. Details of Fund Proposal

S.No.	Title of the Proposal	Funding Agency Details	Date & Duration	Status
1	Platform for Young Electronics Engineers to be an Entrepreneur	SERB (Seminar Proposal)	18.01.18 & 19.01.18	Sanctioned (Rs.50000)

12. Details of Winter/Summer Schools Attended

S.No.	Name of the programme	Organized by	Date & Duration
1	Environment Management System, Green Campus Audit, Energy Audit and Hygiene Audit to Educational Institutions and Industrial Sectors	Nature Science Foundation, Coimbatore	26.09.22 to 30.09.22
2	Teaching and Learning in General Programs :TALG	NPTEL-AICTE	Jul-Aug 2022
3	Data Science for Engineering Application :Theory and Practices	NIT,Warangal	11.07.22 to 20.07.22
4	Inculcating Universal Human Values in Technical Education	AICTE	11.04.22 to 15.04.22
5	Electric Vehicles	Vivekananda Education Society's Institute of Technology	05.07.21 to 09.07.21
6	Emerging Technological Challenges in Electric Vehicle	Annapoorana Engineering College	07.06.21 to 11.06.21
7	Electric Hybrid Vehicle	Sree Vidyanikethan Engineering college	08.02.21 to 13.02.21
8	FDP on Evolution of IOT and its Real Time Applications	Malla Reddy Institute of Technology and Science	13.07.20 to 17.07.20
9	Introduction to Internet of Things	NPTEL-FDP	Jul-Oct 2018
10	Design and Development of Engineering Applications Using Free/Open Source Software	Velalar College of Engineering and Technology, Erode	25.11.19 to 30.11.19
11	Power System Analysis	Anna University	04.06.18 to 10.06.18
12	ISTE STTP on CMOS, Mixed Signal and Radio Frequency VLSI Design	IIT,Kharagpur	30.01.17 to 04.02.17

13. Details of Workshops/ Seminars Attended

S.No	Name of the programme	Organized by	Date & Duration
1	IT Network Infrastructure an Overview	Sri Eswar College of Engineering	05.08.20
2	R-Programming	Malla Reddy Institute of Technology and Science	28.07.20 to 30.07.20
3	Recent Trends in AI Robotics and Automation used in Industrial Applications	Malla Reddy Institute of Technology and Science	18.07.2020
4	Renewable Sources of Energy	Mohamed Sathak AJ College of Engineering	11.07.2020
5	Introduction to IOT and its Application	KSRCE	27.06.2020
6	Fuzzy Sets Vs Crips Sets	Arasu Engineering College	06.06.2020
7	Emerging Technologies in Electronics and Communication Engineering & Computing	Vel Tech High Tech Engineering College	04.06.20 to 06.06.20
8	Engineers Role During Pandemics	Annamacharya Institiute of Technology And Science	03.06.2020
9	How to Access e Resources	KSRCE	23.01.2019
10	Internet of Things (IOT) and its Applications	K.S.R. College of Engineering	26.07.18 to 27.07.18
11	How to Write a Successful Project Proposal to Funding Agencies	KSRCT	21.07.18
12	Impact of Green Computing for Minimizing E Waste on Human Health	ICMR Sponsord	03.07.18 to 04.07.18
13	Internet of things and its application	KSRCE	26.7.17 to 27.7.17
14	FDP on problem solving in C and C++	ICT Academy	27.01.17 to 28.01.17

14. Details of Winter / Summer Schools / Workshops / Seminars organized:

S.No	Name of the programme	Sponsored by	Acted as	Duration	Coordinator
1	Webinar on Career Opportunities in Civil Services	KSRCE	Coordinator	09.12.2021	Dr.S.Senthilkumar
2	Webinar on Electric Vehicle Technology	KSRCE	Convener	20.11.2021	Dr.S.Senthilkumar
3	Webinar on Recent trends in embedded system	KSRCE	Coordinator	20.06.20	Dr.M.Vijayakumar
4	E-CADD	KSRCE	Convener	30.01.20 To 01.02.20	S.Senthilkumar

5	Practical Python Programming : Introduction and Beyond	KSRCE	Coordinator	06.08.18 & 07.09.18	Dr.C.Karthikeyan
6	Seminar on Platform for Young Electronics Engineers to be an Entrepreneur	DST-SERB	Convener	18.01.18 & 19.01.18	S.Senthilkumar
7	Workshop on “IOT : Challenges and Applications using Raspberry Pi Processor”	KSRCE	Coordinator	31.07.17 & 01.08.17	Dr.P.S.Periasamy

15. Details of the Subjects Handled (in KSRCE):

Sl.No	Academic Year	Semester	Name of the Subject
1	2022-2023	EVEN	Fundamentals of Robotics
		ODD	Basics of Electrical and Electronics Engineering
2	2021-2022	EVEN	Universal Human Values and Understanding Harmony
		ODD	Renewable Energy Sources
3	2020-2021	EVEN	Principles of Management
		ODD	Professional Ethics
4	2019-2020	EVEN	Principles of Management
		ODD	Basics of VLSI Design

16. Additional Responsibilities:-

16.1 College Level

S.No.	Details of Work	Work allotted by	Duration
1	Finance Committee Member	Principal	January 2017 to till date

16.2 Department Level

S.No.	Details of Work	Work allotted by	Duration
1	Department NBA & NAAC Coordinator	Head of the Department	November 2021 to till date

17. Self-Appraisal

- 3 Major Strengths:
1. Able to adapt lessons to many learning styles and ability Levels
 2. Adjusting myself in any sort of circumstances.
 3. Patience and being flexible.

3 Major Weaknesses:

1. Can't say no to any person.
2. Believe on others easily.
3. I care too much about students.

Signature
(S.SENTHIL KUMAR)

Annexure

List of Publications

International Journal:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. S.SenthilKumar and Amurtha Josy, 2012, “A System for Landslide Detection, Monitoring & Prediction of Forewarning Time Using Sensor Networks ”International journal of Emerging Trends in Engineering Development, Volume 3, Issue 2 ,page 71-78.

International Conference:

1. Akash.K, Nirmalnathan.B, Selvakumar.V, Sharmila.J , S. Senthil Kumar “ Smart Protection System for Women Safety”, International Conference on Recent Trends in Electrical Energy, Artificial intelligence Internet of Things and Nano-Materials held on 26.05.2022 and 27.05.2022.
2. 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.
3. 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 6th March 2015.
4. 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(ICAET2014),March 2014.

5. 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..
6. 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.
7. 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:

1. S. Nirmala, D. Balasubramaniam, S. Senthil Kumar, " Enabling Public Transport System for Visually Impaired People " AIP Conference Proceedings (2022) ,<https://doi.org/10.1063/5.0072716>
2. S.Senthilkumar "Border Altering System for Fisherman using Lora" National Conference on Emerging Trends in Engineering & Technology, held on 16.03.2019
3. 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.
4. S.Senthil kumar "An Automated System to Prevent Distracted Driving Accidents" National Conference on Green Consumer Electronics, 20th of April,2016.
5. 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).
6. 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