

**K.S.R. COLLEGE OF ENGINEERING (Autonomous),
TIRUCHENGODE – 637 215.
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FACULTY PROFILE**

- 01. Name** : Dr.R.SATHEESKUMAR
02. Designation : ASSISTANT PROFESSOR
03. Date of Birth : 01.06.1982
04. Date of Joining : 21.01.2008
05. Qualification & Designation:



	At the time of Joining	Now
Qualification	M.E	Ph.D
Designation	Lecturer	Assistant Professor

06. Specialization : **APPLIED ELECTRONICS**

07. Area of Interest : **WIRELESS NETWORKS**

08. Experience & Promotion Details (Chronological):

SL.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	21.08.2008	30.06.2010

09. Publication Details:-

	*National Level		*International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
KSRCE	0	06	06	04
Others	-	-	-	-

***-Annexure**

10. Details of proposal

SI.No	Title of Proposal	Funding Agency Details	Date & Duration	Status
-	-	-	-	-

11. Details of Winter/Summer Schools Attended

SI.NO	Name of the programme	Organized by	Duration
1	Instructional Design & Delivery	K.S.R. College of Engineering	08.09.2008 to 13.09.2008
2	Digital image processing using wavelets	K.S.R. College of Engineering	03.08.2009 to 14.08.2009
3	Security Issues in Utility Computing	K.S.R. College of Engineering	17.05.2013 to 30.05.2013
4	FDP on Computer Networks	Centre for Faculty Development, Anna University	16 th to 22 nd December 2013
5	EQIP Foundation Educational Quality Improvement Programme	K.S.R. institute for Engineering and Technology	09.12.2014 to 13.12.2014

6	Short term Programme through ICT mode on NBA accreditation	National institute of technical teacher training and research	22.04.2019 to 26.04.2019
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12. Details of Workshops/ Seminars Attended

Sl.No	Name of the programme	Organized by	Duration
1.	Advancements in Digital Signal and Processing	K.S.R. College of Engineering.	30.02.2009
2.	Laptop Chip Level Service	Sengunthar College of Engineering, Tiruchengode.	13.03.2012
3.	Faculty development program on electronics & VLSI technology	Muthayammal Engineering College.	20-12.2012
4.	FDP on VLSI Design using tanner	K.S.R. institute for Engineering and Technology	30&31.08.2013
5.	Writing Effective Research Papers and Thesis	K.S.R. College of Engineering	19.07.2014
6.	Two days' workshop on "journal paper writing & preparation of winner research proposal"	K.S.R. College of Engineering, Tiruchengode.	19& 20.08.2015
7.	Workshop on numerical methods and scientific computing	K.S.Rangasamy college of arts and science, Tiruchengode.	10 &12.08.2016
8.	Workshop on ABET Accreditation	K.S.R. College of Engineering, Tiruchengode.	13.10.2017
9.	Professional skill development cell IEEE Explore digital library training.	K.S.R. College of Engineering, Tiruchengode.	04.07.2018
10.	Workshop on J - Gate An Electronic Gateway for Research	K.S.R. College of Engineering, Tiruchengode.	10.07.2019
11.	Workshop on instructional and assessment characteristics and assessment characteristics of OBE framework	K.S.R. Institute for engineering and technology, Tiruchengode.	19.11.2019 to 21.11.2019
12.	Webinar on android mobile application development for embedded and IOT based real time project	Rajalakshmi Engineering College.	10.06.2020
13.	Transform life from ordinary to Extraordinary	Aditya Birla Capital.	02.01.2022
14.	FDP on Emotional Intelligence	ICT ACADEMY at Paavai Engineering College	12.12.2022 to 14.12.2022

13. Details of Winter/Summer Schools/Workshops/Seminarsorganized:

Sl.No	Name of the programme	Sponsored by	Acted as	Duration	Coordinator
01	Webinar on robotics	Pantech e learning	-	04.07.2020	Coordinator

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

Sl. No	Academic Year	Semesters	Name of the Subjects with code	Class	% of Pass
1	2008-2009	Odd	Telecommunication System/EC1391P	III-IT	100
		Even	Wireless Network / EC 1013	IV-ECE B	98.48
2	2009-2010	Odd	Fundamentals of Computing and Programming /080230001	I-ECE B	92.15
			Wireless Network / EC 1013	IV-ECE B	95.38
		Even	Wireless & Mobile Communication /071290063	I-M.E (EST)	100
3	2010-2011	Odd	Fundamentals of Computing and Programming /080230001	I-ECE B	94.33
			Embedded Communication in Software Design /071290003	II-M.E (EST)	100
		Even	Embedded Networking / 071290046	I-M.E (EST)	100
			Wireless Network / 070290108	IV-ECE B	98.41
4	2011-2012	Odd	Fundamentals of Computing and Programming /080230001	I-ECE B	70.68
			Embedded Automotive Networking with CAN	II-M.E (EST)	100
		Even	Digital Signal Processing/080250026	III-IT	76.79
			Embedded Networking/ET9123	I-M.E(EST)	100
5	2012-2013	Odd	Digital Electronics/EC2203	II – ECE(A)	89.39
			High Speed Switching Architecture/CP9253	II – M.E (CS)	100
		Even	Digital Signal Processing/080250026	III-IT	86.76
			Embedded Networking/ET12232	I-M.E(EST)	100
6	2013-2014	Odd	Digital Electronics/12EC3302	II ECE A	91
			High Speed Switching Architecture/ CU124302	II ME CS	100
		Even	Computer Networks/ EC2352	III ECE B	76.92
			Digital Control Engineering/ AP123202	I ME (AE)	100
7	2014-2015	Odd	Digital Electronics/12EC3302	II ECE A	91.22

			Wireless Security Systems/AP124305	II ME AE	100
		Even	Electronics and Microprocessor 12EC3625	III MECH B	91
8	2015-2016	Odd	Computer Networks/ EC2352	III ECE A	98.21
		Even	Electronics and Microprocessor/12EC3625	III MECH B	91
				III MECH C	89
9	2016-2017	Odd	Computer Networks/12EC3505	III ECE C	100
			High Speed Switching Architecture/ CU124302	II ME CS	100
		Even	Electronics and Microprocessor/ 12EC3625	III MECH B	85
				III MECH D	87
10	2017-2018	Odd	Computer Networks/12EC3505	III ECE B	93
			High Speed Switching Architecture/ CU124302	II ME CS	100
		Even	Electronics and Microprocessor/ 12EC3625	III MECH A	87
				III MECH C	78
11	2018-2019	Odd	Electronics and Microprocessor/16EC536	III MECH A	85
				III MECH B	86
		Even	Antenna & Wave Propagation / 16EC611	III ECE A&B	88
12	2019-2020	Odd	Electronics and Microprocessor / 16EC536	III MECH A	82
				III MECH B	79
		Even	Antenna & Wave Propagation / 16EC611	III ECE A	100
				III ECE B	96
13	2020-2021	Odd	Wireless Networks / 16EC772	IV ECE A&B	92
		Even	Antenna and Wave Propagation / 18EC661	III ECE	94
14	2021-2022	Odd	Wireless Networks / 18EC773	IV ECE	94
		Even	Antenna and Wave Propagation/18EC661	III ECE	89
15	2022-2023	Odd	Wireless Networks / 18EC773	IV ECE	89
		Even	Antenna and Wave Propagation/18EC661	III ECE	95
16.	2023-24	Odd	Computer Networks 20 EC 513	III ECE A & B	On Going

15. Additional Responsibilities: -

SL.NO	Details of Work	Work allotted by	Duration
1.	Class incharge	Head of the Department	June 2012 to May 2013
2.	Class committee chair person	Head of the Department	Dec 2010 to April 2011
3.	Class committee chair person	Head of the Department	Dec 2014 to Till date
4.	Class Advisor (UG)	Head of the Department	Jan 2008 to Till date
5.	EDC Lab In charge	Head of the Department	June 2009 to Till date
6.	Faculty Publications file Incharge	Head of the Department	June 2009 to Till date
7.	Press & Media Co-incharge	Principal	June 2011 to Till date

16. NPTEL Courses

Sl.No	Name of the Course	Duration	Status /Remarks
1.	Introduction to internet of things	8 Weeks	Completed (46%)

17. Self-Appraisal

3 Major Strengths: 1. Self-confident.
2. Punctuality.
3. Easy to help others

3 Major Weaknesses:
1. Soft in nature.
2. Taking more times to make decisions.
3. More expectations from others.

Signature.

Annexure
LIST OF PUBLICATIONS

National Conference: 06

1. R.Satheeskumar and K.S.Neelukumari, "Markov Chain Monte-carlo Simulation for Image Denoising", 5th National conference on Application of Emerging Technologies, March 2008, pp36.
2. R.Satheeskumar, "Performance Analysis of Threshold Based Group Adaptive Modulation using Adaptive Subcarrier Allocation in OFCDM System", National Conference on Advanced Communication and Computing, April 2009.
3. Presented the paper titled "Air Pollution Monitoring using Zigbee" National Conference on Emerging Trends in Electronics, & Communication Engineering, Maha College of Engineering, Salem. 1st April 2011.
4. Presented the paper titled "Power Consumption and Billing Status Update for Each loads using GSM" National Conference on Advanced Information and System for Sustainable Developments in Electrical and Electronics Engineering, Nandha College of Technology, Erode. 27.03.2015.

5. Presented the paper titled "Detecting attacks in wireless sensor network" National Conference on Emerging Trends in Engineering and Technology, Nandha College of Technology, Erode, 16.03.2019.
6. Presented the paper titled "Improvement in multiple access channel allocation using sensor node" National Conference on Emerging Trends in Engineering and Technology, Nandha College of Technology, Erode, 16.03.2019.

International Conference: 04

1. Presented the paper titled "Congestion Control in Wireless MESS Access Network using Enhanced Cross-Layer Approach" in the International Conference on "Emerging Trends in Computer and Communication Technologies" on 16th & 17th Feb 2012 at Maria College of Engineering and Technology, Kanyakumari.
2. Presented the paper titled "An Efficient way of Increasing Capacity of Hybrid Wireless Mesh Network with Random APs" in the International Conference on "Competency Building Strategies in Business and Technology for Sustainable Development" on 25th Feb 2014 at sriganesh school of business management, Salem
3. Presented the paper titled "Secure routing in hybrid multichannel multiradio wireless mesh network" International Conference on advanced computing control systems machines and embedded technology. 7&8.03.2014.
4. Presented the paper titled "Multicast Security in MANET using Re-keying and RC6 Algorithm" International Conference on Engineering Technology and Science. 5&6.03.2015.

National Journal: Nil

International Journal: 06

1. R.Satheeskumar, Secure Routing in Hybrid Multichannel Multiradio Wireless mesh network' International Journal of Scientific & Engineering Research Volume 3, Issue 7, May-2014, ISSN 2319-8885 (IJSER).
2. R.Satheeskumar, Multicast Security in MANET using Rekeying and RC6 Algorithm, International Journal of Applied Engineering Research. International Journal of Applied Engineering Research. ISSN 0973-456, Volume 10, Number-9(2015)
3. R.Satheeskumar, Efficient cluster based congestion control in wireless Mesh network" International Journal of Communication and Computer Technologies, Volume 04– No. 10 Issue: 03 April 2016 ISSN NUMBER : 2278-9723
4. Satheeskumar, R & Periasamy, P.S, 2017, "Quality of Service Improvement in Wireless Mesh Networks Using Time Variant Traffic Approximation Technique," Journal of Computational and Theoretical Nanoscience, vol. 14, no. 11, pp. 5226-5232. ISSN: 1546-1955, (Annexure), IF - 1.42

5. R.Satheeskumar , “smart security intrusion detection using embedded system” International journal of advanced science and Engineering Research vol. 15, pp. 164, 2020.
6. R.Satheeskumar, “Evolutionary gravitational neocognitron neural network based block chain technology for a secured dynamic optimal routing in wireless sensor networks” International journal of Journal of Experimental & Theoretical Artificial Intelligence, pp. 1-17.