



SRM Valliammai Engineering College

SRM Nagar, Kattankulathur-603203, Kancheepuram District, Tamil Nadu

TEL : 044 - 27454784 / 726, FAX : 044 - 27451504

Department of Electronics and Communication Engineering

Personal Details

Name :	Dr. V. Suresh Kumar.	
Designation :	Assistant Professor (Sel.G)	
Department:	Electronics and Communication Engineering	
Educational Qualification :	M.Tech, Ph.D.	
Experience:	Teaching -17 Years, Industry - 3 Years	
Area of Specialization :	VLSI Design	
Date of Birth :	12/06/1978	
Date of Joining :	16/06/2008	
Email ID :	suresh_vekumar@yahoo.com , sureshkumarv.ece@valliammai.co.in	
Contact Numbers :	91- 44-27454784	Extn: 8153



Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	<i>B.E.</i>	<i>EIE</i>	St. Peters Engineering College, Madras University	2001
2	<i>M.Tech.</i>	<i>VLSI Design</i>	Sathyabama University	2008
3	<i>Ph.D.</i>	<i>VLSI Testing</i>	Anna University	2020

Professional Society Memberships

1. Indian Society of Technical Education (ISTE) - Life Member
2. International Association of Engineers (IAENG): Life Member
3. Institution of Electronics and Telecommunication Engineers (IETE): Life Member
4. Computer Society of India (CSI): Life member
5. IEEE – Annual Member
6. Indian Science Congress Association (ICSA) : Annual Member

Publication Details

Journals:

1. M.Mohana Priya, K.Pavithraa, B.Pavithra Devi, Dr.V.Suresh Kumar, “**Smart Poultry Farm Incorporating GSM and IOT**”, *International Research Journal of Engineering and Technology, (IRJET)*, March 2021, Vol. 8, Issue 3, pp. 3186-3190. ISSN- 2395-0056/2395-0072
2. Ajay Karthi M, Aravindan B, Ashok L, Dr. V. Suresh Kumar, “**Design of a Social Robot for Autonomous Health Data Acquisition among Hospitalized Patients Using IoT**”, *International Journal of All Research Education and Scientific Methods (IJARESM)*, April 2021, Vol. 9, Issue 4, pp. 253-258. ISSN: 2455-6211.

3. Sruthi Lakshmi R, Ram Pradeep R, Sivaraman R, Poomani R, Suresh Kumar V. “**Design of IoT based Smart Stretcher for Monitoring Mobile Patients**”, *International Journal of Advance Research and Innovative Ideas in Education(IJARIIE)*. February 2020, Vol.6, Issue 2, pp. 247-251. -ISSN(O)-2395-4396
4. Dr.S.C.Prasanna, Suresh Kumar V. “**IoT based Outdoor Air Pollution Monitoring System Using Dynamically Relocatable Sensor Nodes**”, *Test Engineering and Management*, April 2020, Vol. 83, pp. 18247-18253. ISSN: 0193-4120
5. V. Suresh Kumar, S. Selvaparithi, R. Rahularaman, R.Siddharth, “**Realtime Monitoring of Underground Sewage System using GPRS IoT Module**”, *International Journal of Engineering Science and Computing (IJESC)*, March 2019, Vol. 9, Issue 3, pp. 20431 – 20433. ISSN 2321 3361
6. V. Suresh Kumar, Dr. R. Manimegalai, “**Efficient Test Vector Volume Reduction based on Equal Run Length Coding Technique**”, *Microprocessors and Microsystems (Elsevier)*, April 2019, Vol. 68, pp. 1-10. ISSN: 0141-9331
7. V. Suresh Kumar, Dr. R. Manimegalai, “**An Optimized Two Inverter Tri State – Level sensitive scan Design**”, *Journal of Electrical Engineering*, April 2019, Vol. 19, Edition 4, pp. 160-164. ISSN:1582-4594.
8. V. Suresh Kumar, “**Home Energy Management System with Automated Power Scheduling using GSM**, *International Research Journal of Engineering and Technology (IRJET)*, May 2018, Vol. 5, Issue 5, pp.1-3. e-ISSN: 2395-0056, p-ISSN: 2395-0072
9. Pranav. M, Prasath kumar R, Swathiga S, Suresh Kumar V, published a paper on “**Automated Speed control of automotives**”, in *International Research Journal of Engineering and technology (IRJET)*, March 2018, Vol. 05, Issue 03, pp. 1397-1399. e-ISSN: 2395-0056, p-ISSN: 2395-0072.
10. M. Ramya Princess, V. Suresh Kumar, M. Ramjan Begum, published a paper on “**Multimodal Image Registration Using 3D Shearlet Transform and Global Rule**” in *Imperial Journal of Interdisciplinary Research (IJIR)*, February 2017, Vol. 3, Issue 2, pp. 1124-1129. ISSN: 2454-1362
11. Mr. S.P. Kishore Yashwanth & Mr. V. Suresh Kumar,published a paper on “**Real Time Thermal Comfort Sensing Using A Computer Aided Module**”, in *International Journal Of Advanced Research In Electronics And Communication Engineering (IJARECE)*, Vol. 5, Issue 2, February 2016, pp. 412 – 415. ISSN: 2278 – 909X
12. S.P. Kishore Yashwanth & V. Suresh kumar, “**Implementation of Pmv Based Thermal Comfort Sensing for Energy Efficient Air Conditioning**”, *Middle-East Journal of Scientific Research*, 2016. Vol. 24 (S2): 204-209, ISSN 1990-9233.
13. Suresh Kumar. V, Manimegalai. R,” **Efficient Memory Built in Self Test Address Generator Imlementation**”, *International Journal of Applied Engineering Research*, July 2015, Vol. 10, Issue 7, pp.16797-16813. ISSN 0973-4562

14. Ramya Princess. M, Suresh Kumar. V, Ramjan Begum. M. “**Feature based information fusion by wavelet transformation**”, *International Journal of Computers Communication Networks and Circuit Systems (IJCCN)*, April 2015, Vol. 1, Issue 1, pp.221-227.
15. Ramya Princess. M, V. Suresh Kumar, Ramjan Begum. M, “**Feature based information fusion by gabor wavelet transformation**”, *International Journal of Computing and Corporate Research*, November 2014, Vol. 4, Issue 6. ISSN (Online): 2249-054X
16. M. Ramya Princess, V. Suresh Kumar, M. Ramjan Begum, “**Comprehensive and Comparative Study of Different Image Fusion Techniques**”, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, September 2014, Vol. 3, Issue 9, pp.11800-11806. ISSN (Print) : 2320 – 3765, ISSN (Online): 2278 – 8875
17. Jisha J. U, Suresh Kumar V, “**Poisson Noise Removal in Biomedical Images using Non-Linear Technique**”, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, May 2014, Vol. 3, Issue 4, pp.131-136, May 2014, ISSN 2278-8875.

Conferences:

1. Mr. S.P. Kishore Yashwanth and Mr. V. Suresh Kumar, AP presented a paper on “ Real Time Thermal Comfort Sensing for Energy Efficient Air Conditioners” in National Conference on Renewable Generation (NCPRG '16), on 4th March 2016 at Sree Sastha Institute of Engineering and Technology, Chennai.
2. Mr. S.P. Kishore Yashwanth and Mr. V. Suresh Kumar, AP presented a paper on “Implementation of PMV Based Thermal Comfort Sensing for HVAC Systems” in National Conference on Emerging Innovation in Electronics Instrumentation and Automation (EIEIA '16) on 17th March 2016 at SRM University, Kattankulathur, Chennai.
3. Mr. S.P. Kishore Yashwanth and Mr. V. Suresh Kumar, presented a paper on “Implementation of PMV based Thermal Comfort Sensing for Energy Efficient Air Conditioners” in International Conference on Recent trends in Engineering and technology(ICRTET-16), on 28th April 2016 at St. Joseph Institute of Technology, Chennai-119.
4. M. Ramya Princess, V. Suresh Kumar, M. Ramjan Begum, “*Multimodal Image Registration Using 3-D Shearlet Transform And Global Rule*” Emerging Trends In Electronics, Instrumentation And Control (Eteic-2015), 11th April 2015.
5. Ramya Princess. M, V. Suresh Kumar, Ramjan Begum.M, “*Feature based information fusion by gabor wavelet transformation*”, 1(1), ICRTEECC, pp 66-73, 15-16 th December 2014
6. Jisha, J.U, Suresh Kumar, V., “*Poisson Noise Removal in Biomedical Images using Non-Linear Technique*”, National Conference on Innovative Techniques in Power Engineering and Drives (ITPED-2014), Chennai, 1(1), pp.8, March 2014
7. Nirmala, N, Suresh kumar, V, Promince, M., “*A STAT-COM control scheme for wind energy system to improve power quality*”, International Conference on Information Communication and Embedded Systems (ICICES 2013), 1(1), pp.1126-1134, February 2013.
8. Presented a Paper titled “*Statcom Controlled Wind Energy System for Quality improvement*” at National Conference on Modelling, Simulation and Optimization NCMSO on 2nd Nov 2012 at VELs University.

9. Presented a Paper titled “*Closed Loop Control for four port dc/dc Converter with renewable energy application*” at international Conference in Magna on Emerging Engineering trends, ICMEET-2012 at Magna Engineering College, Chennai.

Research and Development Details

1. No. of Research Projects Completed: Nil
2. No. of Patents Filed: 1
3. No. of Ph.D candidates guided/guiding: Nil
4. No of Conferences Coordinated: 1

Other Particulars

Resource Person :

1. Delivered a Lecture on 27.11.2020 in AICTE Sponsored Six Days Online Short Term Training Programme (STTP) On “A Hands on approach for Design and implementation of Digital Circuits using Open source Computer Aided Design (CAD) Tools-III”, conducted by the Department of Electronics and Communication Engineering, SRMVEC.
2. Delivered a session on ‘Discrete Time Signals and Systems ‘ in the One week Faculty development Programme, titled “ Signal Processing systems & optical communication” organized by the Department of Electronics and Communication Engineering, SRM Valliammai Engineering college on 18.05.2021
3. Delivered a Lecture in the Two Day Faculty Development Program for the course EC6601-VLSI DESIGN on 02.06.16, organized by Dept. of EIE, VEC.

Reviewer :

1. Peer Reviewer for International Journal of Innovations in Engineering, Research and Technology – IJIERT (ISSN 2394-3696), Novateur Publication, Pune.

Events Organized :

1. Organized a Seminar on “ Flexible and Wearable Antenna for Wireless Communications” on 16.07.2021, organized by Dept. of ECE, SRMVEC.
2. Organized a workshop titled” Hands on Training in Robotics” on 22.03.2021, conducted by Dept, of ECE, SRMVEC
3. Organized One day National Level Technical Symposium – ORKESTRIM 2K17 on 23.09.2017.
4. Organized a Guest Lecture titled “Internet of Things on Process Control Industrial Applications” on 15.07.2016.
5. Organised and conducted Two Day Faculty Development Program for the course EC6601-VLSI DESIGN on 02.06.16 & 03.06.16.
6. Organized a One day National Research Conference on Emerging Technologies in Engineering (NRCETE-16) on 23.04.2016.
7. Organized One Day Staff Development Programme for programmers and lab assistants on “Concepts of Measurements - Temperature, Force, Pressure, Flow and Level ” on 9thDecember 2015.

8. Organized Two days National Level Technical Symposium – ORKESTRIM 2K11 on 28.07.11 & 29.07.11
9. Organized One Day Workshop for students on Computer Controlled Robots on 29.07.2011
10. Organized a Guest Lecture for Faculties on LabVIEW in Control Applications on 13.03.2012
11. Organized a One Day Workshop on Product Designing Programme (Gadget Making) on 20.07.2012
12. Organized a Seminar on Career Guidance on Higher Studies on 26.07.2012
13. Organized a Training Programme on Handling LCD and OHP for Technical Staffs on 27.07.2012
14. Organized a Seminar on Career Guidance Programme for Pre-Final year students on 16.08.2012
15. Organized a One day National Level Technical Symposium – ORKESTRIM 2K12 on 04.09.2012

16. Secured 100% results in

1. Fiber Optics and Laser Instruments (Two times),
2. Biomedical Instrumentation,
3. Digital Image Processing (Two times),
4. Microcontroller based System Design,
5. Design of Embedded System,
6. Professional Ethics In Engineering.

Project :

1. Received Rs 5000/- as fund for Student project, from SRM VEC student Project 2020, titled “Design of IoT based smart stretcher for monitoring mobile patients”, during the 2019-20