



# SRM Valliammai Engineering College

(An Autonomous Institution)

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

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

## Department of Electronics and communication Engineering

### Personal Details

<b>Name :</b>	Sandhya.V.P		
<b>Designation :</b>	Assistant Professor(S.G)		
<b>Educational Qualification :</b>	M.E		
<b>Experience:</b>	15 years		
<b>Area of Specialization :</b>	Applied Electronics		
<b>Date of Joining :</b>	06/04/2009		
<b>Email ID :</b>	sandhyavp.eie@valliammai.co.in vpsandhyaraam@gmail.com		
<b>Contact Numbers :</b>	044- 27454784	<b>Extn:-</b>	

### Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.	EEE	Manonmanium Sundaranar University	2003
2	M.E	Applied Electronics	Anna University	2007

### Professional Society Memberships

1. Indian Society of Technical Education: Life Member
2. IEEE : Annual member
3. IAENG : Annual member
4. IACSIT : Annual member
5. CSI : Life Member
6. IETE : Life Member

### Publication Details

#### Journals:

1. Published a journal titled,"AC-AC Resonant Boost Converter for Induction Heating Applications", Discovery, The International Daily Journal, Vol 32 (145) ,page no 70-75 with ISSN No.2278-5469.
2. Published a journal titled,"State Estimation of Concentration in CSTR by Extended Kalman Filter, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering in May'14.
3. Published a journal titled,"A Two Stage DC-DC Converter with Isolation for Renewable Energy Applications, in Indian Journal of Science and Technology, June'13
4. Published a journal titled ,"Andriod Based Application For Wireless Control Of Wheelchair" in International Journal of Science And Innovative Engineering & Technology ,June'16.
5. Published a journal titled ,"LiFi Based ATM Security using Hand Vein Biometric Identification by Wavelet Transform Algorithm", International Journal of Engineering Science and Computing, Vol 9 Issue no 3 in March 2019.
6. Published a journal titled ,"IOT based saline infusion monitoring and control system ", International Journal of Engineering Science and Computing, Vol 6 Issue no 2 in March 2020.
7. Published a journal titled,"Water Contamination level monitoring using LoRa technology" International Journal of

All research and scientific methods, Vol 9, Issue 3 in March 2021.

**Conferences:**

1. AC-AC Boost Converter With Multi MOSFET Inverter For Induction Heating Applications , 2nd National Conference on Emerging Trends in Electronics, Instrumentation and Control (EtEIC-2015)
2. State Estimation of Concentration in CSTR by Extended Kalman Filter, National Conference on Innovative techniques in Power Engineering and drives (ITPES-2014).
3. Designing of extended kalman filter for estimating the state of concentration in cstr, in the International conference on electrical, communication and computing (ICECC-2014) held on 13&14 march 2014 at Tagore engineering college, Chennai.
4. A Novel Scheme For Development of Distributed Data Collection System of Four Drinnier Machine Based on Embedded Ethernet, International Conference on Computation of Power, Energy, Information and Communication, March'12.
5. Development of Distributed Data Collection System of Four Drinnier Machine For Green Extract Plants Based on Embedded Ethernet, National Conference on "Frontiers In Research of Electronics and Communication Engineering" FIRE'12, in March'12.

**Other Particulars**

1. No. of Books Published: Nil

2. No. of STTP/FDP coordinated: 2

1. Conducted a Guest lecture titled "Advances in process control and job opportunities for Instrumentation Engineers" on 23rd August 2013.
2. Conducted a Guest lecture titled, "Process Control for Instrumentation Engineers" on 15th May 2013.
3. Conducted a Guest lecture titled, "Soft Computing Techniques" on 13th May 2013.
4. Conducted a National Level Technical Symposium "ORKESTRIM 2K13 on 31st August 2013.
5. Conducted a National Level Technical Symposium "ORKESTRIM 2K14 on 30th August 2014.
6. Secured 100 percentage results in "Wireless Sensor Networks" during November/December 2014 University Examinations.
7. Conducted a Value added course on "MATLAB for Computer control of Process and Signal processing" from 05.07.2016 to 09.08.2016.
8. Conducted a Staff development programme titled, "Integrated Resource and Environmental Management" on 2nd November 2017.
9. Conducted a Guest lecture, "Hardwares in Networking" 16th August 2018
10. Conducted a Guest lecture titled "Job opportunities and current technological developments" on 9th March 2019.
11. Conducted a Seminar on 'High Frequency Ultrasound Imaging' on 30.10.2021.