



# SRM Valliammai Engineering College

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

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## Department of Electronics and Instrumentation Engineering

### Personal Details

<b>Name :</b>	K.S.JAIBHAVANI	
<b>Designation :</b>	A.P – Selection Grade	
<b>Educational Qualification :</b>	B.E., M.Tech,	
<b>Experience:</b>	18 years	
<b>Area of Specialization :</b>	Process Control and Instrumentation	
<b>Date of Joining :</b>	23/07/2003	
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### Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.	EIE	Easwari Engineering College / Madras University	2000
2	M.Tech.	Process Control and Instrumentation	NIT, Trichy	2003
3	Ph.D	Intelligent Instrumentation system	Anna University, Chennai	Pursuing

### Professional Society Memberships

1. Indian Society of Technical Education (ISTE) : Life Member
2. International Society of Automation (ISA) : Life Member
3. Indian Science Congress Association (ISCA): Annual Member

### Publication Details

#### Journals:

1. K.S.Jaibhavani & B.Hanuja titled " Modeling and development of decentralized PI controller for TITO system" in the [ieeexplore.ieee.org](http://ieeexplore.ieee.org) dated on 12.10.2017 with the electronic ISBN: 978-1-5090-3001-9
2. K.S.Jaibhavani & B.Hanuja titled " Design of Multiloop PID Controller for MIMO system " in the INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY in Volume-7, Issue-4, April-2017
3. K.S.Jaibhavani & B.Hanuja titled "Design Of Multi Loop And Decentralized Controller For Nonlinear System" in International Journal on "Trend in Research and development" Volume 4 Issue 1 (January-17) with ISSN: 2394-9333
4. K.S.Jaibhavani & B.Hanuja titled " Modelling and Development of Decentralized PI Controller for Non Linear System" in International Journal on "Trend in Research and development" Volume 3 Issue 6 (December-16) with ISSN : 2394-9333
5. K.S.Jaibhavani & P.Ponajitha titled "Design of Gain Scheduling PID controller for Network Control System" in International Journal on "Advances in Natural and Applied Sciences" on 18.04.2016 with

ISSN: 1995-0772 in the pages 239-244

6. K.S.Jaibhavani ,Z.Jenifer titled “Wind Tunnel Instrumentation System” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering May’ 14

### Conferences:

1. K.S.Jaibhavani & B.Hanuja titled” Modelling and Development of Decentralized PI Controller for TITO System” in the International Conference on Trends in Instrumentation, Measurements and Automation January 2017 – TIMA 2017 at MIT , Chrompet, Chennai.
2. K.S.Jaibhavani & P.Ponajitha titled “Gain Scheduling controller for Network Control System” in National conference in Renewable power generation ‘16(NCRPG’16) on 4<sup>th</sup> march 2016 at Sree Sastha Institute of Engineering and Technology, Chennai
3. K.S.Jaibhavani & P.Ponajitha titled “Design of Gain Scheduling PID controller for Network Control System” in International conference on Current Trends in Engineering Research on 31<sup>st</sup> January 2016 with ISBN number 978-81-930654-5-3 at National Engineering College, Tirunelveli, Tamil Nadu
4. K.S.Jaibhavani , S. Karthigeyan “Wind Tunnel Instrumentation System” National Conference on Innovative techniques in Power Engineering and Drives ITPED 27 -28<sup>th</sup> MARCH 2014, Vellammal Engineering College
5. K.S.Jaibhavani , S. Karthigeyan “Wind Tunnel Instrumentation System” International Conference on Electrical, Communication and Computing IECC on 13-14<sup>th</sup> MARCH 2014 at Tagore Engineering College.
7. Ms.K.S.Jaibhavani,A.P.(Sl.G) and Ms.K.Rathnapriya,A.P(OG) coauthored a Paper titled “ Position Control of Sensorless HSM using steady state kalman Techniques ” in the DRDO Sponsored National Conference on Recent Trends in Control Systems and Power Electronics held 26<sup>th</sup> Mar.2013 at Sri Sairam Engineering College.
8. Ms.K.S.Jaibhavani,A.P.(Sl.G) and Ms.K.Rathnapriya,A.P(OG)coauthored a Paper titled “ Position Control of Hybrid Stepper Motor using steady state Extentedkalman Filter” in the IET Sponsored National Conference ,NCRTECE’2013held on 8<sup>th</sup> Feb.2012 at SMK Fomra Institute of Technology.
9. Ms.K.S.Jaibhavani,A.P.(Sl.G) presented a paper titled ““ Position Control of Hybrid Stepper Motor using Sensorless Techniques” in the National Conference “ Modeling, Control , Optimization of Process, NCMCOP 2013 on 2<sup>nd</sup> April 2013 at B.S. AbdurRahman University Chennai.
10. K.S.Jaibhavani presented a paper titled “Power Quality Monitoring Using LabVIEW” International Conference onTrends in Instrumentation, Measurements and Automation January 2011 – TIMA 2011 at CSIR , Chennai.
11. K.S.Jaibhavani ,G.Sridhar, K.Arunkumar presented a paper titled “Enhanced Pid Controller Using Neural Networks In Matlab Simulation” DRDO Sponsored International Conference at Manipal Institute of Technology in the year 2011

### Research and Development Details

1. Developed various Department laboratories like Industrial Instrumentation, Process Control, Transducer & Measurement, Digital control Instrumentation Lab and performed servicing different equipments.
2. Developed ISA- VMEC student Charter in association with ISA ( International Society of Automation

### Other Particulars

1. Conducted a One Day Workshop titled “Industrial Automation Using PLC and DCS” 11th September 2013 for the benefit of final year EIE students
2. In association with ISA VMEC student charter organized one day workshop on “CALIBRATION OF INSTRUMENTS” on 26.02.2015.
3. In association with ISA VMEC Student Charter conducted a National Level Technical Symposium “ORKESTRIM 2K15” on 8th August, 2015.
4. In association with ISA VMEC Student Charter conducted Staff Development Programme for Programmers and Lab Assistants on 9th December, 2015, on “Concepts of Measurements – Temperature, Force, Pressure, Flow and Level”.
5. Faculty Advisor – ISA VMEC Student Charter.
6. Obtained 100% results for more than 20 times in subjects taught.
7. Conducted a two Day Technical symposium SZERSAMUNE in the academic year 2007