

Name :Dr.Saju Subramanian

Designation:Assoc.Professor

Department:EIE

Mail.I.D: [saju\\_s@vnrvjiet.in](mailto:saju_s@vnrvjiet.in)



Experience (in years): Teaching:12      Research:      4 Others (If any, Specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	PhD	2017	Instrumentation
2	ME	2012	Process Control Instrumentation
3	BTech	2004	EIE

2. Teaching and Learning:

2.1. Teaching Interests: Electronic Devices and Circuits, Transducer Engineering, Process Control, Control System, Linear Integrated Circuits, Computer Control of process, Virtual Instrumentation, Biomedical Instrumentation, Circuit Theory

2.2. Novel Teaching & Learning Techniques adopted: learning and teaching through you tube, TED videos and MOOCs, Implementing WIT &WIL for 80% of the content and POGIL for few topics.

2.3. Involvement in curriculum updating / Design:

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

Interested in reviewing the research articles related to area of specialization

To promote efficiency and discipline among the students

Interested in writing various proposal in the development of social impact

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

4. Conference / Workshop / Seminar / Guest Lectures:

• Attended:

1. Attended Staff Development program on Graphical System Design at P.S.G.College of Engineering and Technology-Coimbatore

2. Participated the workshop about Optimization Techniques at Vellamal College of Engineering-Madurai

3. Organised and presented the paper about New trends in GUI-Labview Interface at R.V.S.College of Engineering and Technology.

4. Attended the Educators day conducted by National Instruments during the year 2008, 2009, 2010 and 2013.

5. Undergone In-plant Training at FACT-Cochin for the duration of 2nd June'11 to 2nd july'11.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

5.2. Articles / Chapters published in Books:

5.3. Books published as single author or as editor: nil

5.4. Projects Guided:

a) UG: 15      b) PG: 3

5.5. Research Interests:

Process Control, Control system, Measurements and Instrumentation, Image Processing

5.6. Ph.D students: NA

a) Enrolled:      b) Submitted:      c) Awarded:

5.7. Papers published in reviewed Journals:

S. No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISS N No.	Impact Factor/ Citation Index	National/ International
1	Performance Analysis of image watermarking using contourlet transform and extraction using ICA	Journal of Computers	1796-203X	26	International
2	Performance Analysis of DWT, Contourlet, Hybrid SVD for Image Watermarking and Extraction Using Independent Component Analysis	International Journal of Applied Engineering Research	09734562	13	International
3	Contourlet Transformation based Gray Image watermarking and Extraction Using Independent Component Analysis	International Journal of Applied Engineering Research	09734562	13	International
4.	Contourlet based biometric image watermarking for copyright protection and extraction using ICA	ARPJ Journal of Engineering and Applied Sciences	1819-6608	15	International
5.	Robust Medical Image Watermarking Based on Contour let and Extraction using ICA	Elixir International Journal	2229-712X	6.865	International
6.	Contourlet based Image Watermarking and Extraction using Independent	International Journal of Applied Engineering Research	09734562	13	International

	Component Analysis				
7.	An intelligent Control System for Pulverised coal Feeder-Real Time Approach	IJAREEIE	2278-8875	5.621	International
8.	Real time approach of piezo actuated beam using G-Programming	IJSER	<a href="#">2229-5518</a>	3.8	International
9.	Real time approach of piezo actuated beam for wireless seismic measurement using G-programming	IJRET	2319-1163		International
10	Real Time Dynamic Response analysis of higher order process (SOPTD) using PSCT	IJAREEIE	2278-8875	5.621	International
11	Lab view Based Transient Performance Analysis of non-linear process	IJRAIE			International

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Performance Analysis of image watermarking using contourlet transform and extraction using ICA	International Conference on computer Engineering(ICOCE-2015)	International	17th and 18th on october 2015
2	Contourlet based biometric image watermarking for copyright protection and extraction using ICA	First International Conference on modeling,Simulation and control(ICMSC-2015)	International	15th and 16th october 2015
3	Robust Medical Image Watermarking Based on Contour let and Extraction using ICA	International Conference on Research and Development in Information and Communication Technology	International	8th and 9th May 2015

		2015		
4	Contourlet Based Image Watermarking and Extraction using ICA	International Conference on Pattern Recognition and Multimedia Signal Processing-2015	International	9th and 10th January 2015
5	Real time transient response analysis of non-linear process	DRDO Sponsored second national conference "Control, Communication, and System Engineering	National	12 <sup>th</sup> and 13 <sup>th</sup> September 2014
6	Modeling and control of non linear process based on predictive control	Second National Conference on "Emerging trends in instrumentation and process control	National	22nd and 23rd March 2012.

5.9. Sponsored research Projects and Grants:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1.					
2.					

5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received: Nil

7. Motto: To achieve good track in academic and in research activities