

Name: Dr.Saju Subramanian  
 Designation: Assistant Professor  
 Department: Electronics and Instrumentation Engineering  
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Experience (in years): 13      Teaching: 11      Research: 3      Othersy, specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2017	Instrumentation
2	M.E	2012	Process Control & Instrumentation
3	B.E	2004	Electronics and Instrumentation

2. Teaching and Learning:

2.1. Teaching Interests: Process Control, Control System, Electronics and Instrumentation, Electronic Devices, Advanced Control System, Transducer Engineering, Computer Control of Process, Image processing, Signal and Systems

2.2. Novel Teaching & Learning Techniques adopted: learning and teaching through you tube, implementing Wipro Mission10x learning pedagogy, NPTEL courses, POGIL methodology.

2.3. Involvement in curriculum updating / Design: Course work preparation for different instrumentation subjects, Question paper setting for various semester students, Process Control Laboratory maintenance.

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Interact with students and encourage to develop their self-confidential level, Reading economic books relating SE, most of the times involved in the research of stock market analysis.

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated: Art of living programme participated

3.4. Counseling and Mentoring Activity: Mentoring 25students for every year

3.5. Committees involved in:

Department level: Class coordinator,T

Institute Level: Placement Incharge, Discipline committee

4. Conference / Workshop / Seminar / Guest Lectures :

- Conducted: 2

- Attended:5

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles / Chapters published in Books: nil

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

5.4. Projects Guided :

a) UG : 20      b) PG :2

5.5. Research Interests : Image processing, Non linear control system, Advance Process Control

5.6. Ph.D students :

a) Enrolled :Nil

b) Submitted :Nil

c) Awarded :Nil

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/	National/ International
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				Citation Index	
1	Contourlet Transform based Gray image watermarking and Extraction using ICA	IJAER,09, 535-540	0973-4562	1.8233	International
2	Performance Analysis of DWT, Contourlet, Hybrid SVD for image watermarking and Extraction using Independent Component Analysis	IJAER, 10. 535-540	0973-4562	1.8233	International
3.	Performance Analysis of Image Watermarking using Contourlet Transform and Extraction USING ICA	Journal of computers,11, 258-265	1796-203X	1.14	International
4.	Contourlet Based Biometric watermarking for copyright protection and extraction using ICA	ARNP,12, 1117-1123	1819-6608	0.202	International
5.	Contourlet Transform based image watermarking and Extraction using ICA	IJAER,9	0973-4562	1.8233	International
6.	An intelligent control system for pulverised coal feeder	IJAREEIE	2153-2160	5.621	International

5.8. Papers presented at National / International Conference :

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	17th and 18th on october 2015
2	Contourlet based biometric image watermarking for copyright protection and extraction using ICA		International	15th and 16th october 2015.
3	Robust Medical Image Watermarking Based on Contour let and Extraction using ICA		International	8th and 9th May 2015
4	Contourlet Based Image Watermarking and Extraction using ICA		International	9th and 10th January 2015

5	Real time transient response analysis of non-linear process		National	12th and 13th September 2014
6	Modeling and control of non linear process based on predictive control		National	22nd and 23rd march 2012.

5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

7. Motto: