

Name: Dr.Saju Subramanian
 Designation: Assistant Professor
 Department: Electronics and Instrumentation Engineering
 Mail I'd: saju_s@vnrvjiet.in



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 |
|------|--------------------|----------------------------|------------------|-------------------|----------------------------|
|------|--------------------|----------------------------|------------------|-------------------|----------------------------|

| | | | | 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 | ARPN,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 |

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|---|--|--|----------|------------------------------|
| 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: