



# Sri SAI RAM INSTITUTE OF TECHNOLOGY

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Sai Leo Nagar, West Tambaram, Chennai - 44. www.sairamit.edu.in

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name : RAJESHWARI P  
 Designation : AP-II Date of Joining: 01.06.2012  
 Email : rajeshwari.ece@sairamit.edu.in  
 Qualification : M.E.,  
 Specialization : APPLIED ELECTRONICS  
 Research Interest : IMAGE PROCESSING



Experience in years : **Teaching** UG  PG  **Industry**   
 No. of Workshop/Conferences/  
 FDP attended : Workshop  Conferences  FDP   
 No. of Workshop/Conferences/  
 FDP Organized : Workshop  Conferences  FDP

Professional Membership	-
Publications	National : <span style="float: right;">-</span>
	International: 1
	Book : <span style="float: right;">-</span>
Research Funded Projects	-
Patents	-
Achievements	<ul style="list-style-type: none"> <li>OBTAINED 100% RESULT IN PRINCIPLES OF DIGITAL SIGNAL PROCESSING (EC6502)</li> </ul>
Any Other Information	-

### **LIST OF PUBLICATIONS:**

1. A NOVEL STATISTICAL APPROACH ON HYBRID HIGH RESOLUTION IMAGE FUSION TECHNIQUES, INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, VOL 10, No.75, pg 132-135, ISSN: 0973 – 4562 (ANNEXURE- II).

### **LIST OF WORKSHOP ATTENDED :**

1. MATLAB FOR IMAGE AND SIGNAL PROCESSING, AT VIT CHENNAI ON 25<sup>TH</sup> APRIL 2014.

2. HOW TO WRITE RESEARCH PAPERS FOR REFEREED JOURNAL, ON 24TH JANUARY 2015, AT SAI RAM INSTITUTE OF TECHNOLOGY.

3. RECENT TRENDS IN RENEWABLE ENERGY, AT SRI SAIRAM ENGG COLLEGE, ON 31<sup>ST</sup> MARCH 2015.

4. ISO AUDIT TRAINING, BY CREATIVE MANAGEMENT CONSULTANTS, AT SRI SAIRAM INSTITUTE OF TECHNOLOGY, ON 11<sup>TH</sup> DECEMBER 2012.

5. “EMERGING TRENDS AND FUTURE PERSPECTIVE IN IMAGE PROCESSING AND COMPUTER VISION” ON 22ND & 23RD SEPTEMBER, 2015 AT SAIRAM INSTITUTE OF TECHNOLOGY.

6. “TEACHING EXCELLENCE IN ENGINEERING & MANAGEMENT CURRICULAM” ON 20TH AND 21ST JUNE 2016 AT SRI SAIRAM ENGINEERING COLLEGE.

### **LIST OF NATIONAL /INTERNATIONAL CONFERENCES ATTENDED:**

1. ABODE SECURITY SYSTEM USING RASPBERRY PI THROUGH CLOUD INTERFACE, NATIONAL CONFERENCE ON ADVANCED RESEARCH AND INNOVATIONS IN INFORMATION AND COMMUNICATION ENGG ON 7.3.2017 AT SRI SAIRAM INSTITUTE OF TECHNOLOGY.

2. SURVEY BASED ON BRAIN COMPUTER INTERFACE, NATIONAL CONFERENCE ON ADVANCED RESEARCH AND INNOVATIONS IN INFORMATION AND COMMUNICATION ENGG ON 7.3.2017 AT SRI SAIRAM INSTITUTE OF TECHNOLOGY.

3. BRAIN CONTROLLED MOBILE PHONES, INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCH AND INNOVATIONS ON 6.4.2018 & 7.4.2018 AT CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI.

4. DENSITY BASED INTELLIGENT TRAFFIC LIGHT CONTROLLER FOR NORMAL VEHICLES, INTERNATIONAL CONFERENCE, ICCST'17, 9TH AND 10TH MARCH 2017, AT SRI SAIRAM ENGINEERING COLLEGE.

5. OFDM BASED SPECTRUM POOLING TECHNIQUES IN COGNITIVE RADIO TO ENHANCE SPECTRUM EFFICIENCY AND REDUCED COMPUTATIONAL COMPLEXITY, ICCST'17, 9TH AND 10TH MARCH 2017, AT SRI SAIRAM ENGINEERING COLLEGE

6. PROPOSED MODEL FOR EFFICIENT SPECTRUM SENSING TECHNIQUES IN COGNITIVE RADIO NETWORK USING COMPRESSIVE SENSING & ITM, INTERNATIONAL COMPUTING COMMUNICATION SYSTEMS-ICACCS 2017, ON 6<sup>TH</sup> TO 7<sup>TH</sup> JAN 2017.

7. BRAIN TUMOR SEGMENTATION USING CONVOLUTION NEURAL NETWORK, NATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION ENGG ON 21<sup>ST</sup> APRIL 2017.

8. INNOVATED CONVOLUTIONAL NEURAL NETWORK BASED FEATURE EXTRACTION FOR BRAIN TUMOR TISSUE DETECTION, AT SAIRAM ENGINEERING COLLEGE.

9. FPGA BASED DESIGN OF LOW POWER ROUTER FOR NETWORK ON CHIP, NATIONAL CONFERENCE ON PURE EMPHATIC RESEARCH INNOVATIONS IN SCIENCE AND ENGG ON 7<sup>TH</sup> APRIL 2016.

10. LUT OPTIMIZATION AND EFFICIENT MEMORY BASED COMPUTATION USING VLSI, NATIONAL CONFERENCE ON EMERGING TRENDS IN DEVELOPING COMMUNICATION-NCETC' 11, ON 2ND MARCH 2011.

#### **LIST OF FDP ATTENDED :-**

1. VLSI DESIGN, AT CEG ANNA UNIVERSITY, 5<sup>TH</sup> TO 11<sup>TH</sup> DECEMBER 2012.

2. TEACHING EXCELLENCE IN ENGG & MANAGEMENT CURRICULUM, ON 20<sup>TH</sup> AND 21<sup>ST</sup> JUNE 2016 AT SRI SAIRAM ENGINEERING COLLEGE.

3. MODERN WIRELESS & DIGITAL COMMUNICATION, AT SCSVMV UNIVERSITY, KANCHIPURAM ON 27<sup>TH</sup> JUNE TO 1<sup>ST</sup> JULY 2016.

4. RF & MICROWAVE ENGINEERING, CONDUCTED BY CEG ANNA UNIVERSITY, AT K RAMAKRISHNAN COLLEGE OF TECHNOLOGY, TRICHY, ON 24<sup>TH</sup> TO 30<sup>TH</sup> MAY 2017.

5. OPTICAL COMMUNICATION & NETWORKS, CONDUCTED BY CEG ANNA UNIVERSITY AT SRI SAIRAM ENGINEERING COLLEGE, CHENNAI, 31<sup>ST</sup> MAY TO 7<sup>TH</sup> JUNE 2017.

6. MODERN TEACHING AND LEARNING METHODOLOGIES FOR COMPETENCY DEVELOPMENT, AT JEPPIAR MAAMALLAN ENGG COLLEGE ON 3<sup>RD</sup> AND 4<sup>TH</sup> MAY 2017.

7. DIGITAL IMAGE PROCESSING, RF & EMBEDDED SYSTEM, AT SREE SASTRA INSTITUTE OF ENGG AND TECHNOLOGY, ON 20<sup>TH</sup> TO 22<sup>ND</sup> JUNE 2017.

8. ELECTROMAGNETIC FIELD THEORY AND TRANSMISSION LINES ON 25 & 26 JUNE 2016 AT SRI SAIRAM INSTITUTE OF TECHNOLOGY, CHENNAI

**WORKSHOP/CONFERENCE/FDP ORGANIZED:-**

1. ORGANIZED THREE DAYS PROGRAM ON ENTERPRENEURSHIP DEVELOPMENT PROGRAM ON JUNE 25<sup>TH</sup> TO 27<sup>TH</sup> JULY 2016, AT SRI SAIRAM INSTITUTE OF TECHNOLOGY, CHENNAI FOR IIIYR ECE STUDENTS.
2. ORGANIZED TWO DAYS WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS & INNOVATIONS, AT SRI SAIRAM INSTITUTE OF TECHNOLOGY, CHENNAI FOR IIIYR AND IV YEAR STUDENTS ON 09.03.2016 to 10.03.2016.
3. ORGANIZED ONE DAY SEMINAR ON “SMART ANTENNAE” AT SRI SAIRAM INSTITUTE OF TECHNOLOGY ON 30.6.2017
4. ORGANIZED NATIONAL CONFERENCE “ARICE 2K18”, AT SRI SAIRAM INSTITUTE OF TECHNOLOGY ON 7.3.2018

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