



FACULTY PROFILE

Name : G.Sekar
Designation : Assistant Professor (Senior Grade)
Email ID : sekar.ece@srit.org
Area of Specialization : Image Processing

Total Experience : Academic : 6 years 3 months
Industry : 4 years

Educational Qualification:

Degree	Branch / Specialization	College	University
M.E	Applied Electronics	Bannari Amman Institute of Technology	Anna University, Chennai
B.E.	Electrical and Electronics Engineering	V.M.K.V Engineering College	University of Madras

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology	Assistant Professor (Senior Grade)	01.10.2014	Till date	1 year and 7 months
2	Sri Ramakrishna Institute of Technology	Assistant Professor	01.02.2011	30.9.2014	3 year and 8 months
3	Sri Ramakrishna Institute of Technology	Lecturer	27.01.2010	31.1.2011	1 year
Total (as on Feb 2016)					6Years 3Months

Funded Projects:

S. No.	Funding Agency	Topic	Amount Sanctioned in Rs.	Year of Sanction
-	-	-	-	-

Consultancy Work:

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
-	-	-	-	-

Patents (Specify the details): -

Publications :

Journals :

1. 1. Published a Paper titled **“A Method to Improve the Security Level of ATM Banking Systems Using AES Algorithm”** in International Journal of Computer Applications (0975 – 8887) Volume 3 – No.6, June **2010**.
2. 2 Published a paper titled **“An Analysis of Color Image Compression Using Golomb-Rice Algorithm”** in the international journal **“Advances in Natural and Applied Sciences”, 8(19) Special 2014, Pages: 39-44.**
ISSN:1995-0772 EISSN: 1998-1090
3. 3 Published a paper titled **“Textural Analysis and Diagnosis Image Fusion Classification of Medical Images using various transforms ”** in the international journal **“Australian Journal of Basic and Applied Sciences”** 8(16) October **2014**, Pages: 419-427
ISSN:1991-8178
4. 4 Published a paper titled **“Design and Implementation of Secured HSRP Protocol using VLAN”** in the *International Journal of Digital Communication and Networks (IJDCN) Volume 2, Issue 1, January 2015*
5. 5 Published a paper titled **“An Analysis of Image Compression Using Two Out of Two Visual Cryptography Scheme”** in the international journal **“Australian Journal of Basic and Applied Sciences”** 9(27) August **2015**, Pages: 677-680
ISSN:1991-8178

International Conferences:

1. 1 Published a paper titled **“An Analysis of color image compression using colomb-rice algorithm”** in the **“International Conference on Electrical, Instrumentation and Computer Communication”** held at Karpagam college of Engineering,Coimbatore. during December 12th and 13th of 2014.

2 Published a paper titled **“Implementation of Two out of Two Visual Cryptography Scheme using FPGA Hardware”** in the International Conference held **Velammal Engineering College, Chennai** during **12.04.2012.**

3 Published a paper titled **“Lossy Embedded Compression Algorithm for the JPEG 2000 Encoder”** in the International Conference held at **Maharaja Engineering College, Avinashi** during 11.04.2013

4 Published a paper titled **“Enhanced JPEG Image Compression Algorithm”** in the International Conference held at **Adithya Institute of Technology, Coimbatore** during **28.3.2014 &29.3.2014**

5 Published a paper titled **“Implementation of Resolution Progressive Compression algorithm using FPGA hardware”** in the International Conference held at **Malabar College of Engineering and Technology, Thrissur** during 12.3.2012

National Conferences:

-

Books Published: -

Seminar, Conference, Workshop Organized:

Details of FDP attended:

- One Week Faculty Development Programme on **“Digital Signal Processing”** at **Anna University, MIT Campus, Chennai.**(01.12.2012 to 7.12.2012)
- AICTE sponsored Two Weeks Faculty Development Programme on **“Advanced Control Strategies and Applications”** at Sri Ramakrishna Institute of Technology, Coimbatore. (13.5.2013 to 26.5.2013)

S.No.	Title	Duration	Level (Intern./ National)
1	Digital Image processing and its Applications	18.03.2013	National

Seminar, Conference, Workshop Attended:

S.No	Title of the Workshop/Seminar	Organized by	Date
1	Modern Trends in Wired and Wireless Communication	SRIT	29.12.2010 & 30.12.2010
2	Need Based Approach for Effective Teaching	SRIT	21.06.2011
3	Replacing MATLAB Using Open Source SCILAB for Digital Signal Processing Lab Applications	IRTT, Erode	10.9.2011
4	Replacing MATLAB Using Open Source SCILAB for Digital Image Processing Lab Applications	IRTT, Erode	17.9.2011
5	Wireless networks for rural applications	SRIT	10.10.2011 & 11.10.2011
6	Design and Applications of VLSI Techniques	SRIT	12.10.2011 & 13.10.2011

7	International Workshop titled "Nano Electronics"	SRIT	30.12.2011
8	Image processing and its Applications	SKCET in association with Benchmark electronics Systems (P) Ltd., Chennai	14.9.2012
9	Aakash for Education	IIT, Bombay	10.11.2012 & 11.11.2012
10	Digital Image Processing and its Applications	SRIT	18.03.2013
11	Advanced Trends in Communication Techniques	SRIT	8.10.2013
12	Quality Improvement Cell workshop	GCT, Coimbatore	23.1.2014.

Ph.D., Guidance / Supervisor ship:

Name of Scholar	Course	Area of Research	Status
-	-	-	-

Guest Lectures Delivered:

Topic	Institution	Date(s)
-	-	-

Membership in Professional Bodies:

1. IAENG -Member

Contributions to the Institution, Department and Society:

Contributions to the Institution:

- Acting as a **TELEPHONE INTERCOM IN-CHARGE** since May 2011.
- Acting as an **ANNA EDUSAT VIDEO CONFERENCING HALL IN-CHARGE** since May 2011
- Acting as an **ANTI-RAGGING** committee member
- Acting as a **QUALITY IMPROVEMENT CELL** Member
- Acting as a **STOCK VERIFICATION COMMITTEE** Member
- Acted as one of the committee member in National level conference (CCCA'10, CCCA'12, and CCCA'14) , College Day and Graduation day functions .
- Proposal submitted to CSIR for seminar grant titled "Image Compression Algorithms and its Applications" during 6 Feb 2013.

Contributions to the Department:

- Acting as a **SENIOR TUTOR** (2014-2018 batch students)
- Department **AFFILIATION IN CHARGE**
- **CLASS COMMITTEE CHAIR PERSON** for 2009-2013 batch students
- **Organizing Committee Member** for One day (18.03.2013) Seminar titled Digital Image processing and its Applications.
- **Acted as a DEPARTMENT TIME TABLE IN CHARGE**
- Involved in various activities such as Discipline Committee, Catering committee, Transport committee etc. in the various Conferences, Workshops, Seminars and Symposiums organized by ECE department.

Awards and Recognitions:

1. Received recognition from Texas Instruments for the participation in "**TI Project Design Contest - 2015**"