

## FACULTY PROFILE

Name : **A.K.Kavitha**  
Designation : **Assistant Professor**  
Email ID : **kavitha.ece@srit.org**



Area of Specialization : **Wireless Communication**

Total Experience : Academic : **7 Years and 3 Months**  
Industry : **Nil**

### Educational Qualification:

Degree	Branch / Specialization	College	University
Master of Engineering	Communication Systems	Bannari Amman Institute of Technology	Anna University, Chennai
Bachelor of Engineering	Electronics and communication Engineering	Sengunthar Engineering College	Anna University, Chennai

### Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology	Assistant Professor	01-08-2010	Till Date	5 Years & 7 Months
2	Sri Ramakrishna Institute of Technology	Lecturer	03-12-2008	31-07-2010	1 Year & 8 Months
<b>Total (as on Feb 2016)</b>					<b>7 Years 3 Months</b>

**Funded Projects: NIL**

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

**Consultancy Work: NIL**

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

**Patents (Specify the details): Nil**

**Publications :**

**Journals : 04**

1. Paper titled **“Early cancer detection with spectral scattering technique”** has been published in the International Journal of Engineering and Innovative Technology (IJEIT), Volume 2, Issue 7, January 2013.
2. Published a paper titled **“Intelligent bus Tracking and implementation in FPGA”** in Journal of Information Engineering and Applications, volume 4, Issue 3, 2014.
3. Published a paper titled **“Implementation of SDH network and analyzing the issues by measuring the QoS”** in International Journal of Digital Communication and Networks (IJDCN) Volume2, Issue 2, February 2014.
4. Published a paper titled **“Performance Analysis of SDH Network Management System using DWDM Technique”** in International Journal of Engineering Technology Science and Research (IJETSR) Volume 2, Issue 11, November 2015.

**International Conferences: 05**

1. Published a paper titled **“Performance Analysis of SDH Network Management System using DWDM Technique”** in **International Conference on Latest trends in Engineering Science and Management**, organized by Conference info and Academic Science through Video Conferencing on 22nd November 2015.
2. Published a paper titled **“Detection of Human behind the barrier using an X-band radar”** in the **Fourth National Conference on Communication, Computation, Control and Automation (CCCA 2014)** held from 28-29 March 2014.

3. Published a paper titled **“Design of wavelet based image fusion using ATrous algorithm”** in the “2nd International Conference on Devices, Circuits and Systems (ICDCS’14) held from 6th to 8th March 2014 at Karunya University, Coimbatore.
4. Published a paper titled **“Investigation on Multi-focus images using block based feature level method”** in the “Third International Conference on Advances in Computing and Communications (ACC-2013)” held at Rajagiri School of Engineering and Technology, Kerala during August 29- 31 of 2013.
5. Published a paper titled **“Downstream Link power estimation on 10 Gbps TDM-PON for DBA scheme”** in the International Conference on Systemics, Cybernetics and Informatics” held at Pentagon Research Center, Hyderabad from 02-05 January 2008.

**National Conferences: 02**

1. Presented a paper titled **“ Q-Factor and bit error rate analysis on 10 Gbps TDM-Passive optical Network”** in the “Third National Conference on Signals, Systems and Security” held at Bannari Amman institute of Technology, Sathyamangalam on 28 and 29 of February 2008.
2. Presented a paper titled **“Dispersion effects and splitting loss analysis on 10 Gbps TDM-PON”** in the “National Conference on Electronics Systemics and Cybernetics” held on 1st March 2008 at PSNA College of Engineering and Technology, Dindigul.

**Books Published: Nil**

**Seminar, Conference, Workshop Organized:**

S.No.	Title	Duration	Level (Intern./ National)
1	Recent Trends in High Data Rate Wireless Communication	13 & 14, March 2009	National

**Seminar, Conference, Workshop Attended: 18**

1. Attended the AICTE sponsored Faculty Development programme on “Advanced Control strategies and Applications” hosted by the department of Electrical and Electronics Engineering , from 13rd to 26th of May 2013 at Sri Ramakrishna Institute of Technology, Coimbatore.
2. Attended the Faculty Development Training programme on “EE-9254 – Digital Signal Processing” at Bannari Amman Institute of Technology, Sathyamangalam, from 3rd to 9th of December 2012 sponsored by Center for Faculty development, Anna University, Chennai.

3. Attended Two-Week ISTE Workshop on “Signals and Systems” conducted by Indian Institute of Technology, Kharagpur held under the National Mission on Education through ICT (MHRD) from 2<sup>nd</sup> to 12<sup>th</sup> of January, 2014 at Sri Ramakrishna Institute of Technology.
4. Attended the AICTE sponsored Faculty Development programme on “Advanced Control strategies and Applications” hosted by the department of Electrical and Electronics Engineering , from 13<sup>rd</sup> to 26<sup>th</sup> of May 2013 at Sri Ramakrishna Institute of Technology, Coimbatore.
5. Attended the Faculty Development Training programme on “EE-9254 – Digital Signal Processing” at Bannari Amman Institute of Technology, Sathyamangalam, from 3<sup>rd</sup> to 9<sup>th</sup> of December 2012 sponsored by Center for Faculty development, Anna University, Chennai.
6. Attended the seminar on “Intellectual Property Rights” conducted as a value added course at Sri Ramakrishna Institute of Technology in collaboration with ALTACIT GLOBAL, Coimbatore on 16 December 2009.
7. Attended the AICTE sponsored Two days seminar on “Recent Trends in High Data Rate Wireless Communication” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology during 20 & 21 of August 2009.
8. Attended IETE sponsored Seminar on “Modern Trends in Wired and Wireless Communication” conducted by the Department of Electronics and Communication Engineering during 29 and 30 of December 2010 at Sri Ramakrishna Institute of Technology.
9. Attended two days National Seminar sponsored by Ministry of Earth Sciences on “Design and Applications of VLSI Techniques” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology during 12<sup>th</sup> and 13<sup>th</sup> of October 2011.
10. Attended two days National Seminar on “Wireless Networks for Rural Applications” sponsored by Ministry of Earth Sciences, conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology during 10<sup>th</sup> and 11<sup>th</sup> of October 2011
11. Attended the one day National Workshop on “Advanced Trends in Communication Techniques” organized by Sri Ramakrishna Institute of Technology on 08/10/2013
12. Attended the “Agilent Measurement Seminar”, organized by Sinetec Technologies in association with SYNERGY Measurement Technologies Pvt. Ltd., at The Residency, Coimbatore on 17<sup>th</sup> July 2013.
13. Attended a one day Workshop on “Need Based Approach for Effective Teaching” organized by Sri Ramakrishna Institute of Technology on 21<sup>st</sup> June 2013.
14. Attended two Week ISTE Workshop on “Analog Electronics” conducted by Indian Institute of Technology, Kharagpur held under the National Mission on Education through ICT (MHRD) from 4<sup>th</sup> to 14<sup>th</sup> of June, 2013 at Sri Ramakrishna Institute of Technology.
15. Attended the one day National Seminar on “Digital Image Processing and its Applications” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology on 18 March 2013.

16. Attended two Days Workshop on “Graphical System Design Using LabVIEW” Association with National Instruments, Bangalore organized by the departments of ECE, EEE and Mechanical Engineering at Sri Ramakrishna Institute of Technology 19th & 20th of February 2013.
17. Attended the two days ISTE Workshop on “Aakash for Education” conducted by Indian Institute of Technology, Bombay at Sri Ramakrishna Institute of Technology on 2<sup>nd</sup> and 9<sup>th</sup> of February 2013 under the National Mission on Education through ICT (MHRD).
18. Attended the International Workshop sponsored by IEEE Electron Device Chapter Madras on “Nano Electronics” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology on 30 December 2011.

**Ph.D., Guidance / Supervisor ship: NIL**

Name of Scholar	Course	Area of Research	Status

**Guest Lectures Delivered: NIL**

Topic	Institution	Date(s)
Nil		

**Membership in Professional Bodies: NIL**

**Contributions to the Institution, Department and Society:**

1. RF and Communication Laboratory in charge since June 2009.
2. Senior Tutor for 2008-2012 batch ECE B Section students for V – VIII.
3. Senior for 2009-2013 batch ECE B Section Students for Semesters VII & VIII.
4. Tutor for M.E. – Communication Systems, 2013-2015 & 2015-2017 Batch students.
5. Member - Library Audit (2010-2011)

**Awards and Recognitions: NIL**