

## FACULTY PROFILE

Name : B.SARANYA  
Designation : Assistant PROFESSOR  
Email ID : [saranyab.ece@srit.org](mailto:saranyab.ece@srit.org)

Area of Specialization : EMBEDDED SYSTEMS

Total Experience : 1year Academic : 1year

Industry : NIL



### Educational Qualification:

Degree	Branch / Specialization	College	University
M.E.	EMBEDDED SYSTEMS	KUMARAGURU COLLEGE OF TECHNOLOGY	ANNA UNIVERSITY, CHENNAI
B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY	ANNA UNIVERSITY, CHENNAI

### Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY	ASSISTANT PROFESSOR	19/06/2015	14/07/2016	1 Year
Total (as on July 2016)					1 Year

Patents Application No: 7119/CHE/2015, "An Automatic Solar Tracking Equipment Based on Shadow Detection Through Image Processing"

Publications :

Journals :

1. Published a paper on "An Embedded Based Code Finder Using Robotic Arm Movement" in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-2, Issue-3, pp.267- 270, February 2013

2. Published a paper "Variable Speed BLDC motor drive using PIC microcontroller" in International Journal of Research and Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653 Volume 3 Issue I, pp.180-184 January 2015
3. Published a paper "Density based Intelligent Traffic Signal System using PIC microcontroller" in International Journal of Research and Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653 Volume 3 Issue I, pp.180-184 January 2015
4. Published a paper "An Embedded Based Robotic Arm To Find Unauthenticated Code" in International Journal of Engineering & Management Research ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962, Volume-5, Issue-1, pp.185-190, February-2015
5. Published a paper and "PIC based PFC using bridgeless SEPIC converter for adjustable speed BLDC motor" in International Journal of Applied Engineering Research-IJAER(Anna University: Annexure-II) ISSN 0973-4562 Vol. 10, No.5 pp. 4296-4301,2015
6. Published a paper "A Sensorless based Power Factor Correction for adjustable Speed BLDC motor drive" in International Journal of Applied Engineering Research-IJAER(Anna University: Annexure-II) ISSN 0973-4562 Vol. 10, No.5 pp.4290-4295,2015
7. Published a paper "Fingerprint combination by minutiae and coordination extraction for privacy protection" in International Journal of Latest Trends in Engineering and Technology ISSN : 2319-3778 Vol.6, Issue3, Pages : 595-601,2016
8. Published a paper titled "An Optimized Equipment for Measurement of Soil Parameters and Conservation of Water in Agricultural Fields" in International Journal of Innovative Research in Computer and Communication Engineering ISSN: 2320 – 9801, Volume 4, Issue 6, Pages:12450-12455, June 2016

#### **International Conferences:**

1. Presented a paper on "Adjustable Speed BLDC Motor Drive fed by Bridgeless SEPIC Converter" in ICE 2 –RTRI 2015 conducted by Sri Krishna Institutions
2. Presented a paper "PIC based PFC using bridgeless SEPIC converter for adjustable speed BLDC motor" in ICACPC'15 conducted by Christian College of Engineering and Technology

#### **National Conferences:**

1. Presented a paper "Embedded Based Code Finder Using Robotic ARM Movement" in National Conference NCVLSI'13 conducted by Velammal Engineering College

**Seminar, Conference, Workshop Attended:**

1. Attended workshop in PLC & Industrial Safety conducted by Madras Institute of Technology
2. Attended workshop on Autonomous Robots at Amritha University conducted by Robogenesis
3. Attended workshop on "ARM-CORTEX 7" at Kumaraguru College of Technology
4. Attended Two-Week ISTE sponsored Short Term Trainig Program "Technical Communication" conducted by Indian Institute of Technology,Bombay at Sri Ramakrishna Institute of Technology
5. Participated two-day Workshop e-yantra organized by IIT-Bombay at Dr. G. R. Damodaran College of Science, Coimbatore, on February 24 and 25, 2016

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

1. Accompanied the third year B.E (ECE-A) students for an Outbound Training to Anaikatti during the year 2015.
2. Accompanied the second year B.E (ECE-B) students for an Outbound Training to Anaikatti during the year 2016.
3. Accompanied the second year B.E (ECE-A) students for an Industrial Visit to Sun Shiv Electronics, Coimbatore during the year 2016.
4. Acting as a TUTOR for 2014-2018 batch students.
5. Acted as a Core Committee member for the NBA visit.
6. Scrutiny committee coordinator for the faculty recruitment of ECE department.