

FACULTY PROFILE

1. Name : Rajavenkatesan. T
2. Designation : Assistant Professor
3. Date of Joining : 27.05.2011
4. Nature of Association : Regular
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7. Educational Qualifications:

Course	Name of the Institution	University	Aggregate	Year of Passing	Class
M.E (VLSI DESIGN)	Bannari Amman Institute of Technology, Sathyamangalam.	Anna University of Technology, Coimbatore.	94.5	2009	First class with Distinction
B.E (E.I.E)	M.A.M College of Engineering, Trichy.	Anna University, Chennai.	80	2006	First class with Distinction
Higher Secondary	Govt.Boys.Hr.sec.School	State Board, Attur.	76.25	2002	First class
S.S.L.C	Govt.Boys.Hr.sec.School	State Board, Attur.	71.8	2000	First class

8. Teaching Experience:

Total work Experience 14.6 Years.

- Worked as an Asst. Professor in Department of Electronics and Instrumentation at Bannari Amman Institute of technology, Sathyamangalam. (28th may 2009 to 25th May 2011).
- Presently working as an Asst. Professor in Department of Electronics and Instrumentation at K S Rangasamy College of Technology, Tiruchengode. (27th May 2011 to till date).

9. Projects:

1. Under Graduate: 01

- **Title:** Automatic Ticket Dispensing Machine with Multiple Destinations
- **Environment:** Embedded 'C'.

2. Post Graduate: 02

- **Title:** Switching Activity Based Test Method to Reduce Test Power in Combinational Circuits.
- **Title:** Minimization of Test Power, Data Volume and Time in SOC Testing.
- **Tool Used :** TANNER EDA.

10. Publications:

International Journals: 05

1. Published a paper entitled "Minimization of test Power, Test data volume and test time in SOC testing" in International Journal of Computational intelligence Research & Applications, Vol.3, No.1, PP 113-118, January to June 2009.

2. Published a paper entitled "Detection of Human Being under Building Rubble" in International Journal of Electrical and Electronics Engineers (IJEEE), Vol.7, No.1, PP 197-202, January to June 2015.
3. Published a paper entitled "Automatic Wheel Chair Using Eye Ball Sensor" in International Journal of Advanced Technology in Engineering and Science (IJATES), Vol.3, No.1, PP 824-829, March 2015.
4. Published a paper entitled "Intelligent Voice Translate System for Visually Impaired People" in International Journal for Scientific Research & Development (IJSRD), Vol.3, Issue 12, PP 377-379, March 2016.
5. Published a Paper entitled "Photo Voltaic Cooling Can" in International journal of communication and computer technologies, Vol.5, Issue 1, PP 64 – 68, April 2017.

International Conferences: 06

1. Presented a paper entitled "Network-on-chip (NoC)-Design methodology and Test complexities" in first international conference on "Advanced Computing Technology" held on 09th & 10th March 2012 at J.K.K Nataraja college of Engineering and Technology. Komarapalayam.
2. Presented a paper entitled "Minimization of Test Power, Test data volume and Test time in SOC testing" in international conference on "VLSI and Communication" held at St. Gits College of Engineering, Kottayam.
3. Presented a paper entitled "Detection of Human Beings under Building Rubble" in the international conference on Recent Trends in Engineering Science and Management held at Jawaharlal Nehru University, New Delhi.
4. Presented a paper entitled "Automatic Wheel Chair Using Eye Ball Sensor" in the international conference on Recent Trends in Engineering Science and Management held at Jawaharlal Nehru University, New Delhi.
5. Presented a paper entitled "Optimization of Test Time and Power in SOC Testing" in first international conference held at Karunya University, Coimbatore.
6. Presented a paper entitled "Photo Voltaic Cooling Can" in the second international conference on Electronics Signal Integrity and Communication during 9th & 10 March 2017 conducted by Department of Electronics and Communication Engineering of Selvam College of Technology, Namakkal.

National Conferences: 09

1. Participated in "International Techno –Management Festival" Organized by National Institute of Technology, Thiruchirapalli.
2. Presented a paper entitled "Hazardous Gas Detecting Robot Applied in Coal Mine" in the national conference held at Kongu Engineering College, Perudhurai.
3. Presented a paper entitled "Detection of control valve position using piezoresistive pressure sensor" in the third National Conference held at Bannari Amman Institute of Technology, Sathymangalam.
4. Presented a paper entitled "Automatic Plant Irrigation System" in the National Conference held at Bannari Amman Institute of Technology, Sathymangalam.
5. Presented a paper entitled "Eyeball Sensor Based Automatic Wheel Chair" in the National Conference on Communication, Power and Instrumentation held at M. Kumarasamy College of Engineering, Karur.
6. Presented a paper entitled "Human Being Detection Using Microwave Sensor" in the National Conference on Communication, Power and Instrumentation held at M.Kumarasamy College of Engineering, Karur.
7. Presented a paper entitled "Intelligent Voice Translate System for Visually Impaired People" in the National Conference held at Erode Sengunthur Engineering College, Thudupathi, Perundhurai.

8. Presented a paper entitled "Minimization of test data volume and time in SOC testing" in second National Conference held at Kamaraj college of Engg and technology, Virudhunagar.
9. Presented a paper entitled "Women Safety jerkin using PIC Microcontroller" in XTREME'19 conducted by department of Mechatronics, K.S.Rangasamy College of Technology, Tiruchengode.

11. Workshops/Seminars Attended: 17

1. Attended a one-day workshop on "Design Trends in Deep Sub-Micron CMOS VLSI and EDA tools" conducted by ANNA University, Coimbatore.
2. Attended a two-day workshop on "Industrial Automation with PLC, SCADA and DCS" held at Bannari Amman Institute of technology, Sathyamangalam.
3. Attended a two-day workshop on "Lab VIEW for control system design" conducted by Sethu Institute of Technology, Madurai.
4. Attended a two-day workshop on "**Process Automation using DCS**" conducted on 06th & 07th July 2012 by Department of Instrumentation and Control System Engineering of PSG College of Technology, Coimbatore.
5. Attended a one-day workshop on "**State Estimation & Multi-Sensor Data Fusion for Engineering Applications**" conducted on 10th March 2012 by Department of Instrumentation and Control System Engineering of PSG College of Technology, Coimbatore.
6. Attended a two-week workshop on "Signals and Systems" organized by IIT, Bombay.
7. Attended a two-week workshop on "Effective teaching Methodologies" Organized by IIT Bombay.
8. Attended a two-day workshop on "Outcome Based Education-Washington Accord" Organized by IIT Kharagpur.
9. Attended a one-day workshop on "ARM 9 Processor" Conducted by ISM, Bangalore.
10. Attended a Three-day workshop on "ASIC Design and Verification using system Verilog" Organized by M.S.Ramaiah school of Advanced Studies, Bangalore.
11. Attended a seminar on "RF Measurements" Organized by Department of ECE, Bannari Amman Institute of Technology, Sathyamangalam.
12. Attended a two-day workshop on "DSP Processor Architecture programming and Applications", Organized by Department of ECE, Bannari Amman Institute of Technology, Sathyamangalam.
13. Attended a one day seminar on "How to Write a Research Paper" organized by Library and Readers Club of K.S.Rangasamy College of Technology.Tiruchengode.
14. Attended a webinar on "Mathematical Modelling and Applications" by Department of Electrical and Electronics Engineering, Presidency University,Bengaluru.
15. Attended a workshop on "Embedded Systems – An Application Driven Approach" by AICTE (ATAL ACADEMY) association with ST Microelectronics and ARM education.
16. Attended a webinar on "English for Academic Research Papers: Writing Clearly, Concisely and Precisely" by Prathyusha Engineering College, Chennai.
17. Attended an online webinar on "Leadership Talks" conducted by MHRD Innovation Cell and AICTE.

12 Faculty Development Programmes/Short Term Training Programmes Attended: 08

1. Attended a three-day Faculty development programme on "Class room teaching Methodologies" organized by Bannari Amman Institute of technology, Sathyamangalam.
2. Attended a four-day Faculty Development programme on" Effective Teaching Methodologies" organized by HRD Department of Bannari Amman Institute of Technology, Sathyamangalam.
3. Attended a five-day work shop on "Lab VIEW" organized by ICTACT jointly with National Instruments in Dhana Lakshmi College of Engineering, Chennai.

4. Attended a one-week STTP on “Classical and Digital Control Design with MATLAB/ SIMULINK” organized by Department of Avionics during 17-20 June 2014 at Indian Institute of Space Science and Technology, Trivandrum.
5. Attended a one-week short term training Programme on “ ICT Mode on NBA Accreditation” organized by National Institute of Technical Teachers and Training Institute and Research(NITTTR),Kolkata.
6. Attended a three-day Faculty Development Programme on “Embedded System Design using Intel SoC FPGAs” Organized by Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded.
7. Attended a AICTE sponsored faculty Development Programme on “Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System” Organized by Department of EEE,KPR Institute of Engineering and Technology, Coimbatore.
8. Attended a Faculty Development Programme on “ Microsoft Azure AI Fundamentals” Organized by ICT Academy, Chennai.

13 Grants Fetched: 02

1. Received a Grant of Rs.1,50,000/-(Rupees one lakh fifty thousand) towards conducting a workshop entitled “Integrated Architectures in Plant Automation” under the seminar grant provided by ‘All India Council for Technical Education (AICTE)’.
2. Received a grant of Rs.3,48,000/- (Rupees Three lakhs forty-eight thousand) towards conducting a programming skill development entitled “Calibration Techniques” under the scheme of “Pradhan Mantri Kaushal Vikas Yojana (PMKVY)” scheme.

14 Programmes Organized: 05

1. Organized a “HDL workshop” at Bannari Amman Institute of Technology in the year 2010.
2. Organized a National conference at K.S.Rangasamy College of Technology in the year 2013.
3. Organized a workshop for lab technicians at K.S.Rangasamy College of Technology in the year 2013.
4. Organized an AICTE sponsored workshop for faculty at K.S. Rangasamy College of Technology in the year 2014.
5. Organized a Workshop for rural people skill development at K.S. Rangasamy College of Technology in the year 2016.

15 Memberships: 03

- Member of IAENG (International Association of Engineers).
- Life Member of ISTE.
- Member in ISA.

16 Awards and Recognition: 03

- Secured First Rank in PG and got prizes for my academic excellence (Both Academic years).
- Secured Second Rank in UG and got prizes and awards for my academic excellence. (All four years)
- Produced 100% results in 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014 and 2012-2013 Academic year continuously.

17 Guest lecture: 03

- Acted as a resource person and delivered a lecture on “Sensors and Instrumentation” in NDLI club Lecture Series -4 conducted by Department of Library & NDLI club KSRCT.
- Acted as a resource person and delivered a lecture on “Digital Electronics and System Design” at Muthayammal College of Engineering, Rasipuram.
- Acted as a resource person and delivered a on line lecture on “Autonomous Electric Vehicles” at AICTE sponsored FDP on E-Vehicles at Erode Sengunthur Engineering College, Thudupathi. Perudhurai.

18 Personal Details:

Father Name : R.THIYAGARAJAN
Mother Name : T.JANAKI
DOB : 11/04/1985
Sex : Male
Nationality : Indian.
Marital Status : Married.
Contact Address : No.2, East Kannara Street,
Near V.N.C Corner,
Bhavani (T.K),
Erode (D.T),
Pin – 638 301.