

Faculty Profile

Name of Faculty	Dr. BhuvanaSuganthi D
Department	Electronics and Communication
Qualification	B.E, M.E, Ph.D
Designation	Associate Professor
Area of specialization	Embedded Systems, Distributed Systems
Date of Joining BNMIT	25.07.2016
Nature of Association (Regular/Contractual/Adjunct)	Regular
e-mail	bhuvanasuganthid@bnmit.in bhuvanasuganthi@gmail.com
No. of years of Experience	Teaching:15 years Industry:1 year



Academic Qualifications

- **Ph.d** in Distributed Systems under VTU.
- **M.E.** in Embedded System Technologies, Anna University, Chennai, Tamilnadu.
- **B.E.** in Electronics and Communication, Bharathidasan University, Thiruchirapalli, Tamilnadu.

Working Experience Details

- Associate Professor, Department of ECE, BNMIT, Bangalore, India, (August 2017 – Till date).
- Assistant. Professor, Department of ECE, BNMIT, Banaglore, India(July 2016-July 2017)
- Associate Professor, Department of ECE, AMCEC, Bangalore, India, (April 2009 – July 2016)
- Senior Lecturer, Department of ECE, RMD Engineering College, Chennai, India(December 2005 to March 2009)
- Lecturer, Department of ECE, Prathyusha Engineering College, Chennai, India.(January 2005 to December 2005)
- Lecturer, Department of ECE, Sudharsan Engineering College, Chennai, India.(August 2003 to December 2004)
- Testing Engineer, Torvin Technologies Pvt. Ltd, Chennai, India.(July 2002 to June 2003)

Subject taught

Basic Electronics, Real Time Operating Systems, Advanced Microcontroller, Advanced Embedded Systems, Embedded System Design, Logic Design, Microprocessors & Microcontrollers, Real Time Systems, HDL Programming, Electron Devices & Circuits, Linear Integrated Circuits, Communication Engineering, Operating Systems, Programming in C++.

Academic Positions and other Responsibilities (Institute Level):

1. Timetable Coordinator, BNMIT, Bengaluru
2. Test Coordinator, BNMIT, Bengaluru.
3. Magazine Coordinator, AMCEC, Bengaluru.
4. Newsletter Coordinator, AMCEC, Bengaluru.
5. Deputy Chief Superintendent (External) at Islamiah Institute of Technology, Bangalore, B.E examinations of VTU, Belgaum.

Awards/ Achievements/Memberships:

- **Best Teacher Award** for the academic year 2013-2014 at AMC Engineering College, Bangalore.
- **Special Recognition Certificate** for “Outstanding Contribution towards Overall Development of the Department for the year 2011-2012.” at AMC Engineering College, Bangalore.

Professional Memberships:

- **Life Member, Indian Society for Technical Education (ISTE).**

Research Publications:

I. International Journals:

1. Ashish, Manjunath, Pratheek, Ashith Kiran, Bhuvana Suganthi D, “Data Embedding using Image Stegnography”, International Research Journal of Engineering and Technology, May 2019.
2. Bhuvana Suganthi D, Dr.R.Manjunath, Anuradha V Rao, “Efficient Data Fetching with Supportive Caching in Mobile Distributed Networks”, International Journal of Engineering Trends and Technology, Volume 59, Issue 3, May 2018.
3. Bhuvana Suganthi D, Dr.R.Manjunath, “High Performance Mobile Computing Nodes in Distributed Networks”, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 3, March 2014 .
4. Bhuvana Suganthi D, Sathish T, “A Non Linear Phase implementation using generalized DFT on FPGA”, IJIRS, June 2013.

II. National/International Conference Proceedings

1. Payaswini, Ranjitha B V, Sandhya R J, Shivalingamma, Bhuvana Suganthi D, “High Secured Multi Account Embedded ATM Card”, National Conference on Information, Communication, Controls and Computing (NCIC3-2018), May 2018.
2. Bhuvana Suganthi D, Dr.R.Manjunath, A.Aravindan, “Reliable Security Policy in Mobile Distributed Network”, IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology (RTEICT), IEEE Transaction on Communication Society, May 2016.

3. Bhuvana Suganthi D, Dr.R.Manjunath, "Fault Tolerance Communication in Mobile Distributed Networks", International Conference on Data Engineering and Communication Technology, March 2016.
4. Bhuvana Suganthi D, Dr.R.Manjunath, "Survey on Reliable and Energy Factor in Distributed Systems", International Conference on Current Trends in Computer Science and Engineering (ICCTCSE-2014), 21st March 2014.
5. Bhuvana Suganthi D, Ullas P, "A Survey on Routing Algorithm for Distributed Network", National Conference on VLSI Communication and Computer Networks VCCN-4, May 2016, AMC Engineering College, Bangalore.
6. Bhuvana Suganthi D, Rohini T "A Survey on Supportive Caching for Efficient Data Fetching in Disruption Tolerant Networks", National Conference on VLSI Communication and Computer Networks VCCN-4, May 2016, AMC Engineering College, Bangalore.
7. Bhuvana Suganthi D, Varunidhan, "Parallel Computing in Distributed Environment", National Conference on VLSI Communication and Computer Networks VCCN-2, May 2014, AMC Engineering College, Bangalore.
8. Bhuvana Suganthi D, Veni G, "High Performance Routing Protocol for Mobile Networks", National Conference on VLSI Communication and Computer Networks VCCN-2, May 2014, AMC Engineering College.
9. Bhuvana Suganthi D, Emil Tom, "Color Distribution Based Color Feature Extraction", International Conference on Computing and Communication Technology 2012.
10. Bhuvana Suganthi D, Nagaraj S Vannal, "Audio Video Interface Communication Platform for Differently able People", International Conference on Technology and Management ICTM 2011.
11. Bhuvana Suganthi D, Sivaraj C, "Anti-theft systems for a car", National Conference on VCCN-1, May 2013.
12. Bhuvana Suganthi D, Sathish T, "A Non Linear Phase Implementation using generalized DFT on FPGA", VCCN-1 National conference, may 2013.
13. Bhuvana Suganthi D, Sathish T "Applying Generalized DFT on Field Programmable Gate Array", National Conference on Communication and Image Processing(NCCIP-13), August 2013 at T-John institute of Technology.
14. Bhuvana Suganthi D, Sathish T "Modified QPSK based variable sub carrier orthogonal frequency division multiplexing", National Conference on Design Innovation ncdi3c2012.
15. Bhuvana Suganthi D, "Delay Comparison for PEDAMACS and SMAC protocol in wireless sensor network", in the conference NCSBE at Crescent Engineering College, 2008.
16. Bhuvana Suganthi D, "Efficient Power and Delay using TDMA Based scheduling algorithm for wireless sensor network", in the conference ECLECTIC'08 at SRM University, Ramapuram Campus.

Participation in Training courses/Seminars/Workshops

1. "IoT based Project Design and Development", 24th to 29th June 2019, BNMIT, Bengaluru.
2. "Embedded System Designs, IoT & IoT Security Protocols", 16th -20th January 2019, DSATM, Bengaluru.
3. "Computer Networks Laboratory", 23-25th January 2018 at RNSIT, Bengaluru.
4. "Modern Power Electronic Drive: Design and Future Trends", 16-20th January 2018 at BNMIT.
5. "Physical Design Challenges in DSM node VLSI Systems", 16th to 21st January 2017 at BNMIT.

6. “Teachers as Catalyst for Change”, 21st January 2017 at BNMIT.
7. “Tech Treat on Emerging Technologies”, IEEE-BNMIT, 4th and 5th August 2016.
8. “Hands on Experience in Rasperry-PI”, January 2016, AMCEC.
9. “Research Methodologies”, held on March 2015 at VTU Regional Office, Bangalore.
10. Creative Thinking on Intellectual Property Generation”, 1st March 2014 at AMCEC.
11. “Hands on Experience with Electronic Equipment’s”, 23rd and 24th January 2013 at AMCEC.
12. “High Impact Teaching Skills”, 23rd-28th January 2012, at AMCEC.
13. “MSP430 Low Power Embedded Systems”, 18th-19th January 2012, at Texas Instruments.
14. “Writing Research Paper for Referred Journals” in AMC Engineering College held on 16th Sep 2011.
15. “VLSI Design Methodology”, 16th March 2009 at RMD Engineering College, Tamilnadu.
16. “Virtual Instrumentation using Lab view”, 5th-6th November 2008 at RMK Engineering College, Tamilnadu.
17. “Teach the Teachers – how to teach”, 29 February 2008 at RMK Engineering College, Tamilnadu.
18. “Wireless Embedded Technology”, 17-21 December 2007 at Velammal Engineering College, Tamilnadu.
19. “Road Map to Research”, 13 December 2007 at RMD Engineering College, Tamilnadu.
20. “VLSI design”, 21st July 2007 at Saveetha Engineering college, Tamilnadu
21. “Embedded Systems Applications to Electrical Engineering”, 15-17 march 2007 at SRM University, Tamilnadu.
22. Six day FDP on “MSP430 Micro Controller and Its Applications” at BNMIT from 31st to 5th Aug 2017
23. “RTOS for Real Time Embedded Application”, 1-2 Feb 2007 at College of Engineering, Guindy. Tamilnadu.
24. “VLSI design”, 21-26 June 2003 at College of Engineering Guindy, Tamilnadu.

Personal Details:

- **Date of Birth:** 24-07-1981
- **Gender:** Female.
- **Marital Status:** Married

26th March 2019

BHUVANA SUGANTHI D