


Faculty Profile

Name of Faculty	Mrs. Ashwini S Savanth	
Department	Electronics & Communication Engineering	
Qualification	B.E., M.Tech.,(Ph.D.)	
Designation	Assistant Professor	
Area of specialization	Digital Signal Processing, Image Processing	
Date of Joining BNMIT	23.01.2006	
Nature of Association (Regular/Contractual/Adjunct)	Regular	
e-mail	ashwinissavanth@bnmit.in, ashwini.savanth@gmail.com	
No. of years of Experience	Teaching:12 years	

Academic Qualifications

- **(Ph.D.)**(2014 registered), Department of ECE, VTU, Belagavi, Karnataka, India.
- **M.Tech.(Electronics)**(2006), Department of ECE, VTU, Belagavi, Karnataka, India (**I Rank**).
- **B.E.(TCE)**(1999), Department of TCE, Bangalore University, India(**II Rank**).

Working Experience Details

- Asst. Professor, Department of ECE, BNMIT, Bangalore, India, (2015 - till date)
- Asst. Professor, Department of TCE, BNMIT, Bangalore, India, (2012 -2015)
- Sr. Lecturer, Department of TCE, BNMIT, Bangalore, India, (2010 - 2011)
- Lecturer, Department of TCE, BNMIT, Bangalore, India(2004 - 2010)

Subjects taught

- Basic Electronics, Signals & Systems, Digital Signal Processing, Digital Image processing, Microprocessors, Optical Fiber Communication, DSP Algorithms & Architecture.

Academic Positions and other Responsibilities (University Level):

1. **Coordinator**, under Dr P.A.Vijaya for M.Tech Practical exam allotment, VTU, Belagavi (May/ June 2015).

Academic Positions and other Responsibilities (Institute Level):

1. **Reception & Registration Committee member**, International Conference on Fluid Dynamics and its Application, BNMIT (July 2017)
2. **Main Coordinator** for conducting VTU theory exam, BNMIT (Dec 14-Jan 15)

Academic Positions and other Responsibilities (Department Level):

1. NBA Criterion 5 Coordinator (2016 to 2019)
2. Department MoM Coordinator (2017-19)
3. NAAC Criteria 6 Coordinator (2016-17)

4. Organizing Committee member, FDP on Computer and Wireless Networks, Dept. of ECE (July 2016)
5. Test Coordinator from Jan to June 2016
6. Website Coordinator 2011- 2015)
7. College Magazine Coordinator (2013-14, 2015-16)
8. Placement Coordinator from July 2013 to May 2014
9. Time table Coordinator from August 2012 to May 2013

Software's handled:

- MATLAB for implementing signal processing and image processing algorithms.
- MATLAB with additional toolboxes SPM12, CONN used for fMRI analysis.

Awards/ Achievements/Memberships:

- University 1st Rank in M.Tech., VTU
- University 2nd Rank in B.E, Bangalore University

Professional Memberships:

- Life Member, Indian Society for Technical Education (ISTE)(LM50224)
- Member, The Institution of Electronics and Telecommunication Engineers(IETE) (M501186)

Research Publications:

I. In International Journals

1. Sriram B, Sriraksha B.G, **Ashwini S. Savanth**, "A Novel Approach for Secure Image Transmission Based on Secret-Fragment Visible Mosaic Images", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 6, June 2016
2. **Ashwini S. Savanth**, Dr.P.A.Vijaya, "Artificial Neural Networks for fMRI Data Analysis: A Survey", International Journal of Engineering Trends and Technology (IJETT), V49(8),487-494 July 2017.
3. Aishwarya Ravichandra, Kirtana Kirtivasan, Adithi Mahesh, **Ashwini S Savanth**, "Non-Contact Digital Music Instrument using Light Sensing Technology", International Journal of Electronics and Communication Engineering, Vol 11, No 10, 1057-1061, 2017
4. **Ashwini S Savanth**, Dr. P.A.Vijaya, Dr. Bindu M Kutty, Dr.Ajay Kumar Nair, "Functional Neuroimaging Studies of Different Forms of Meditation", International Journal of Research and Analytical Reviews, June 2019, Volume 6, Issue 2

Participation in Training courses/Seminars/Workshops

1. Faculty Development Programme on "**Transcending Language Skills**" at BNMIT from 15th to 25th July 2019
2. Faculty Development Programme on "**IoT based Project Design and Development**" at BNMIT from 24th to 29th June 2019
3. Workshop on "**Patenting**", at BNMIT on 11th April 2018
4. Faculty Development Programme on "**MSP430 Microcontroller and Its applications**" at BNMIT from 31st July to 5th August 2017.

5. Faculty Development Programme on “**Physical Design Challenges in DSM Node VLSI Systems**” at BNMIT from 16th to 21st January 2017.
6. Certificate of Participation in “**Teachers as Catalysts for Change**” at BNMIT on 21st January 2017
7. Online course on “**Statistical Analysis of fMRI Data**” by Johns Hopkins University.
8. Symposium on “**Tech Treat on Emerging Technologies**” at BNMIT on 4th & 5th August 2016
9. Quality Improvement Programme, a Short Course on “**Innovative Teaching Methods**” at BNMIT from 18th to 23rd July 2016.
10. Faculty Development Programme on “**Computer and Wireless Networks**” at BNMIT from 11th to 16th July 2016.
11. Faculty Development Programme on “**ARM CORTEX M3**” at BNMIT from 8th to 14th January 2016.
12. Foundation Course on “**Image Processing – Concepts to real-time processing**” at MSRIT campus from 9th to 11th October 2015.
13. Faculty Development Programme on “**Intellectual Property Rights-Significance for Academia in Business & Research**” at BNMIT on 20th August 2015.
14. Faculty Development Program on “**Electronic Communication & Trends**” at BNMIT from 19th to 23rd January 2015.
15. Faculty Development Programme on “**Innovative Teaching & Effective Communication**” at BNMIT from 18th to 20th July 2012
16. One day workshop on “**TI Launchpad MSP430**” on 7th March 2012
17. FDP on “**Cognitive Machine intelligence and data mining**” at BNMIT from 30th January 2012 to 1st February 2012
18. “**MISSION10X Learning Approach Practitioners Certificate**” from 27th and 28th September 2010
19. “**MISSION 10X Workshop**” at BNMIT from 19th to 23rd July 2010
20. Certificate Course on “**Foundations of Image Processing and Pattern Recognition**” at PESSE from 13th to 22nd July 2009
21. “**Quality Improvement Programme – Instructional Design and Delivery**” at BNMIT from 9th to 14th August 2004

Personal Details:

- **Date of Birth:** 19 - 10 - 1977
- **Gender:** Female
- **Marital Status:** Married

5th August 2019

ASHWINI S. SAVANTH