

Faculty Profile

Name of Faculty	LAKSHMI BHASKAR
Department	Electronics and Communication Engg.
Qualification	M.Tech.,(Ph.D)
Designation	Assistant Professor
Area of specialization	Digital Image Processing, Wireless Networks
Date of Joining BNMIT	21/07/2014
Nature of Association (Regular/Contractual/Adjunct)	Regular
Mobile Number	9480588134
e-mail	lakshimbhaskar@bnmit.in
No. of years of Experience	07 years



Academic Qualifications

- **Ph.D** – Pursuing in the field of Wireless Sensor Networks, Department of TCE, Dr AIT, VTU, India.
- **M. Tech.**(2012),Department of TCE, Dr. AIT, VTU, India.(**II Rank**)
- **B.E.** (2008),Department of TCE, VKIT, VTU, India.

Working Experience Details

- Assistant Professor in Department of ECE,BNMIT, Bangalore, India.(2014-till Date)
- Lecturer in Department of ECE, KSIT, Bangalore, India(2008-2010)

Subjects Taught

Basic Electronics, Basic Electrical, Digital Communication, Digital Signal Processing, Electronic Instrumentation, Communication, Satellite Communication, Advanced Communication, Digital signal processing, Microprocessors, Wireless Broadband and 4G LTE networks, Internet of Things.

Instruments Handled/Software's handled:

- Software's : MATLAB; CCS Studio; MASM; PSPICE.

Awards/ Achievements/Memberships:

- University 2nd Rank in M-Tech, VTU
- Gold medal award for securing 2nd rank in M.Tech.

Professional Memberships:

- Member, IETE, New Delhi from 31/03/2018.
- Invitee, Alumni with PG Degree, BOS, Department of Telecommunication, Dr. AIT, Bangalore from 2016.

Research Publications:

I. In National & International Journals

International Journals:

- 1) Soumyashree P K, Nandini M Samanth, Bhavya T N, **Lakshmi Bhaskar** “Agricultural Robot” (Published in JETIR Volume 6 Issue 6, July 2019)
- 2) Dr. Bindu S, Ashwini S Savanth, **Lakshmi Bhaskar** “Smart Agriculture with conducting Polymers using UDP” (Published in JETIR, Volume 5 Issue 12, December 2018).
- 3) Bindu S, Priya R Sankpal, **Lakshmi Bhaskar** “A Survey on Smart Materials to Mitigate Spacecraft Charging” (Published in IJIRSET, Volume 6, Issue 7, July 2017).
- 4) Adithya S, Anirudh V Rao, Adarsh, Naren, **Lakshmi Bhaskar** “Data Transmission Using Visible light Communication.”(Published in journal International Journal of Advanced Research (August (31) issue, VOL 4 (2016)).)
- 5) **Lakshmi Bhaskar**, Dr. B Sivakumar “A Location-Based Remote Client Authentication Protocol for Mobile Environment (LRAP)” is published in INTERNATIONAL JOURNAL OF MOBILE COMMUNICATION & NETWORKING (IJMCN) 2012.

II. In National/International Conference Proceedings

Participated in International/National Conferences

- 1) Participated in three day (1st to 3rd August 2019) International conference on “Elevating Consciousness through Meditation for Global Harmony” co-hosted by Indian Institute of Management Bangalore and Heartfulness Institute at IIM, Bangalore.

Papers presented in International/National Conferences

- 1) Presented a Paper entitled “Implementation on Recognition of Speech Signals using MFCC Technique” in two day National conference on “Wireless Control & communication (NCWCT 2011)” conducted on 27th & 28th April 2011 at Dr AIT Bangalore-56.
- 2) Presented a Paper entitled “A Location-Based Remote Client Authentication Protocol for Mobile Environment (LRAP)” in 2nd National Conference on Networking Embedded and Wireless Systems (NEWS-2012) organized by Dept. of ECE on 3rd and 4th of Aug’2012 at BMSCE, Bengaluru-19

Invited Talks Delivered:

- 1) “Wireless Networks” at Dr. AIT ,Bangalore, under TTF conducted by Department of Telecommunication Engg. M.Tech. On 8th December 2014.

Participation in Training courses/Seminars/Workshops

- 1) “Transcending Language Skills”, BNMIT, 15th to 25th July 2019
- 2) “IoT based Project Design and Development”, ECE BNMIT, 24th to 29th June 2019
- 3) “Assessments for the Introductory Programming Course”, BNMIT-BITES, 18th & 19th December 2018
- 4) MSP430 Microcontroller and its Applications”, BNMIT, 31st to 5th AUG’2017
- 5) “Physical Design Challenges in DSM Node VLSI Systems”, BNMIT, 16th to 21st January 2017
- 6) “Computer and wireless networks”, Department of ECE, BNMIT, held between July 11th to 16th 2016
- 7) Faculty Development Program for 5 days on “ARM CORTEX-M3” at Dept. Of ECE, BNMIT Bangalore -70
- 8) Faculty Development Program for 5 days on “Electronic Communication and Trends” at Dept. Of ECE, BNMIT Bangalore -70
- 9) Completed the Training program on 3G Technology Essentials and Radio Network Planning at Dept. of TCE conducted by Beam form Communications on 2nd April 2011.
- 10) Completed the BSNL Vocational Training Program conducted by BSNL Telecom Quality Assurance Circle Bangalore-41 from 27.07.2011 to 30.07.2011.
- 11) Participated in Seminar on “CONTROLLER AREA NETWORK” on 16th May’2009 organized by ISM, Bangalore-10.
- 12) Participated in two day workshop on “DSP ARCHITECTURE AND REAL TIME IMPLEMENTATION of DSP ALGORITHMS” on 13th & 14th AUG’2009 organized by Dept. of ECE of Reva Institute of Technology and Management, Bangalore-64.
- 13) Participated in All India Seminar on “PRESENT TRENDS IN NANO ELECTRONICS & EMBEDDED SYSTEMS’ NEES-2009” on 19th and 20th JAN’2009 organized by BIT Institute of Technology, Hindupur-12.
- 14) Participated in two day workshop on “FUNDAMENTALS of HDL” held on 14th and 15th Feb’2008 organized by Dept. of ECE AND TCE Vivekananda Institute of Technology, Bangalore-74.

Personal Details:

- **Date of Birth:** 24-10-1986
- **Gender:** Female
- **Family Details:** Married

5th August 2019

Lakshmi Bhaskar