



USHA MITTAL INSTITUTE OF TECHNOLOGY

SNDT WOMEN'S UNIVERSITY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Details



MR. BHARAT PATIL

ASSISTANT PROFESSOR (ELECTRONICS AND COMMUNICATION DEPARTMENT)

PROFILE

- Mentored several M. Tech projects
- Mentored over 40 B. Tech Projects
- Publications in International Journal: 04
- Publications in International Conferences: 04

RESEARCH INTEREST

- Antenna
- Microwaves
- Electromagnetics
- Internet of Things

CONTACT



CONTROL & INSTRUMENTATION
LAB (112), FIRST FLOOR, NORTH WING,
UMIT, SNDTWU, MUMBAI-400049.



bharat.patil@umit.sndt.ac.in

EDUCATION

B. E in Electronics & Telecommunication Engineering

Govt. College of Engg., Amravati, 1995.

M. E in Electronics & Telecommunication Engineering

TSEC Mumbai, 2009.

PhD in Electronics & Communication (Pursuing)

Mumbai University.

WORK EXPERIENCE

Assistant Professor

Dept. of Electronics and Communication Engg., UMIT, SNDTWU, Mumbai., 2000 – present.

Lecturer

Dept. of Electronics and Telecommunication Engg., College of Engg. Kopergaon, Ahmednagar 1997 – 2000.

PUBLICATIONS

International Journals published – 04

1. Minal Uday Sarmalkar, Sakshi Mohan Brid, Vaishnavi Santosh Bachwal, Mr. Bharat Patil, Dr. Seema Hanchate, " Smart Cradle System" International Journal of Scientific Development and Research (IJS DR), Volume 10, Issue 8, August 2025, b235-b243, ISSN No : 2455-2631.
2. Rakshita Gowda, Sakshi Sarkate , Prof. Arundhati Mehendale, Prof. Bharat Patil "Weather Forecasting Application using Time Series Analysis" Journal of Xididan University, VOLUME 18, ISSUE 6, July 2024, pp: 371-377, ISSN No: 1001-2400, <https://doi.org/10.5281/Zenodo.11526167>
3. Ruby Sayyed, Bharat Patil, " Bandwidth enhancement in Dual Band PIFA by parasitic element", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol 4., Issue 11, November 2015, ISSN-2278-8875, pp:9293-9300.
4. Ruby Sayyed, Bharat Patil, " Dual PIFA antenna element for MIMO implementation", International Journal of Scientific Research and Education, Vol 3., Issue 9, October 2015, ISSN-2321-7545, pp:4570-4576.



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International Conferences – 04

1. Bharat Patil, Pratibha Mahakal "Design and Development of an Automated Compact Household Biodegradable Waste Composter" International Conference on Climate Change (ICCC-2025), 16-18 January 2025, Chandrapur India.
2. Priyanka Gawhale, Bharat Patil, Archana Wasule, Vijay K Sambhe " Inverted U shape Monopole Antenna with Notch Band Characteristics for UWB Communication Applications" 3rd International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2017), 16-17 December 2017, Udaipur Rajasthan 313002 , India.
3. Sonali Sawant, Bharat Patil, Nayana Zope, Dr. Sanjay Pawar, Dr. Zia Saquib, "Analysis of Software Defined Network and open flow switch", 2nd **IEEE** International Conference on Engineering and Technology (ICETECH), 17-18 March 2016, Coimbtore, India.
4. Nayana Zope, Bharat Patil, Sonali Sawant, Dr. Sanjay Pawar, Dr. Zia Saquib, "Firewall as an Application on SDN", 2nd **IEEE** International Conference on Engineering and Technology (ICETECH), 17-18 March 2016, Coimbtore, India.

National Conferences – 02

1. Presented Paper on 'Switched Beam Smart Antenna at 1.8 GHz' at National Conference on Pervasive Computing (NCPC – 2010) held on April 9-10, 2010.
2. Presented Paper on 'Sustainable Rural Development through Technical Education and Alternative Technology' at Annual Convention of ISTE-Maharashtra-Goa Section at COE, 21st and 22nd December 2002, Shegaon – 444203, India.

State Level Conferences – 01

1. Presented Paper on 'Implementation of Bluetooth Voice Communication using MATLABSimulink' at State Level Conference on VLSI Design & Technology at Mumbai.

AWARDS /SPECIAL RECOGNITION

1. Received a **Certificate of Appreciation for Mentoring** the team and guiding the project for **Avishkar Project Competition at University-Level & State-level** (2025).

ADDITIONAL RESPONSIBILITIES/DUTIES ASSIGNED BY INSTITUTE AND UNIVERSITY

1. Startup Co-ordinator IIC UMIT, 2023 – till date
2. Faculty Incharge E-Cell ELITE UMIT, 2019 – till date.
3. Dead Stock Committee Member ENC Dept., 2003 – till date
4. Purchase Co-ordinator and Lab Development for ENC Dept., 2000 – till date.
5. Control & Instrumentation Lab In-Charge, 2000 – till date
6. ISTE STTP/FDP Coordinator, For 2 Approved FDPs
7. NAAC Criterion 2 member at University Level
8. Time-Table Incharge (Academic), 2001 & 2010 – 2020
9. Admission Committee Member, 2005 –2012
10. Project Co-ordinator ENC Dept. PG & UG (Academic), 2003 – 2012
11. Secretary Cum Treasurer ISTE Chapter UMIT, 2001 – 2004.

ACHIEVEMENTS OF MENTORED PROJECT GROUPS (LAST FIVE YEARS)

Sr. No.	Project Title/ Team Name	Details of Competition	Level of Competition	Participation/ Prize/Rank Awarded	Year	Group Members/ Department / Semester
1.	Smart Cradle System	AVISHKAR	University- Level & State- level	Participation (State-level) under Pure Sciences discipline	2025	Vaishnavi Bachwal, Minal Sarmalkar, Sakshi Brid ENC Dept. / Sem VIII



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FUNDED PROJECT

Sr. No.	Research Project Category	Research Project Title	Role	Amount Sanctioned	Date of Approval	Status
1.	Minor Research Project (SNDTWU grant)	Weather Forecasting Application using Time Series Analysis	Co-Principal Investigator	Rs. 75,000/-	March 28, 2023	Completed. [2025]

MEMBERSHIP/FELLOWSHIP OF LEARNED ACCREDITED ACADEMIC BODIES

1. **The Indian Society for Technical Education (ISTE)**
Life Membership number: **LM 26877**