

Name of Faculty	SPRUHA MISTRY
Designation	Assistant Professor
Email id	spruhamistry.ec@bitseducampus.ac.in
Contact number	0265-2303991
Total Experience	
Teaching	10 Years and 5 Months
Industry	Nil
Professional Summary	<ul style="list-style-type: none"> • Working as Assistant Professor in Electronics and Communication Engineering Department of BIT from 2015. • Worked as Assistant professor in Electronics and communication engineering department of VIER, kotambi for 4 years • Worked as Assistant Professor in Electronics and Communication Engineering Department of ADIT, New Vidyanagar for 2 years. • Part of various Cultural and Technical events held at college. Handled various folders like, Departmental Cultural Activity (Ganesh Utsav) coordinator, coordinator of one of the Departmental Technical Event GTU zonal techfest AAHVAN 2018 and 2019, Subject coordinator of various subjects, Class Coordinator.
Current Activities	Working as college level GTU design engineering coordinator, Departmental GTU 100 activity point coordinator, Mentor
Specialization Areas	Data computer and Networking
Subject Taught (UG)	Microprocessor and interfacing Microcontroller and interfacing Advance microprocessors Telecommunication switching systems and Networks Digital logic Design Optical Communication

Qualifications	<p>M.E (Electronics and communication Engineering) (2008) Dharmsinh Desai institute of Technology, DDU, Nadiad</p> <p>B.E. (Electronics and communication Engineering) (2004) A. D. Patel Institute of Technology, Sardar Patel University, Vallabh Vidyanagar</p>
Skills	<p>Good command on programming subjects like C, C++, Microprocessor, Microcontroller, AVR and its programming through Assembly and embedded C, simulation softwares like Matlab, P-spice, Multisim, Proteus, Basics of Arduino microcontroller and its application</p>
Achievements	<p>Nil</p>
Research Project	<p>Nil</p>
Publications	<p>1) “Optimization of TCP congestion control over Wireless link”, National Conference on Advanced Communication Technologies (NCACT-2008) by Siddhartha engineering College, Vijayawada, Andhra Pradesh in February, 2008</p> <p>2) “Throughput Enhancement over Wired as well as wireless links by optimizing TCP congestion control Algorithm”, National Conference on Advance Communication (NCAC2008) by EC Dept., DDU, Nadiad, March, 2008</p>
Activities and honors	<p>☐ Worked as Subject coordinator, laboratory development coordinator, Attendance coordinator, Class coordinator, Batch Counsellor, Institute web portal coordinator, website coordinator.</p> <p>Worked as Training and Placement coordinator for department at VIER.</p> <ul style="list-style-type: none"> • Worked as active member of editorial board of Institute journal at VIER. • Worked as member of organization committee National Conference at VIER. • Attended GUJCOST Sponsored two day seminar on “Recent Trends on Power Electronics & Embedded Systems” on 4th – 5th January, 2019 organized by EC department of BIT • Participated in one day FDP on “Internet on things” at BIT on 25th March, 2018 • Participated in National Seminar on “Smart cities” at BIT on 24th & 25th March 2017 • Participated in five days FDP for Design Engineering at GTU chandkheda on 28th june to 1st july 2017

- Attended three days workshop on “Raspberry Pi” at ITM Universe on 27th to 29th May 2016
- Participated in FDP on “AVR Microcontroller” at GTU chandkheda on 17th July 2015
- Attended two day workshop of “Electronics circuit Simulation using SEQUEL” on 8th & 9th May, 2015 at BIT.
- Participated in spoken tutorial on LATEX organized by BIT-OSTC by IIT Bombay held in Babaria Institute of Technology.
- Participated in National Conference on “ Computer and Communication Reserch (NC3R)” at VIER on 24th -25th January, 2014
- Completed MOOC course on “Probability and Random Variables for Wireless Communication” at Proceedings of the “NPTEL online certification, sponsored by Aricent, October 2015.

Grant Received

Nil