

Name of Faculty	Dr. Twinkle Vimal Doshi
Designation	Head of the Department
Email id	twinkledoshi.ec@bitseducampus.ac.in
Contact number	8980011081
Total Experience	17 Years 01 months
Teaching	15 years 07 months
Industry	01 years 06 months
Professional Summary	<p>Working as Head of Electronics and Communication engineering Department of BIT from 1st May 2015. Working as Asst. Prof. at BIT since Feb. 2011, Served as Asst. Prof. at SVIT- Vasad for the duration of Aug 2003 to Feb. 2011. Served as Trainee Engineer in GSFC from June 2000 to Oct. 2001.</p> <p>Served as faculty coordinator for NBA process at SVIT in the year 2007. Served at various positions like PG Coordinator, Project Coordinator, T & P Coordinator–BIT, PG faculty at GTU, Paper setter at GTU, Life time member of ISTE</p>
Current Activities	Head of the Electronics and Communication Engineering Department-BIT
Specialization Areas	Wireless Communication, Robotics
Subject Taught (UG/PG)	<p>UG: Data Communication & Networking, Radar and Navigational AIDS, Antenna Theory, Digital Electronics, Microwave Engineering Integrated Circuit and Application, Project- I, Project -II</p> <p>PG: Information Theory and Coding, Data Communication and Networking, Wireless and Mobile Communicaiton, Advance Communication Network, Dissertation, Seminar</p>
Qualifications	<p>Ph.D in Electronics Engineering (2017) SVNIT- Surat</p> <p>M.E.(Automatic Control and Robotics) (2004) (Distinction) M.S. University-Vadodara</p> <p>B.E. (Electronics and Communication Engg.) (1999) (First class with distinction) S.S. Engg. College, Bhavnagar University-Bhavnagar</p>
Skills	Well versed in simulation softwares like NS-2, Matlab, word processing softwares like LaTeX, Basics of Arduino microcontroller and its application, MATLAB- GUI, C Language
Achievements	<ul style="list-style-type: none"> ➤ On the panel of Examiner for UG and PG at M. S. University and CHARUSAT ➤ Recipient of the scholarship for post-graduation from ABB, Baroda. ➤ Served as TPC (Technical Programme Committee) member of various international conferences. ➤ Invited as a judge of International Workshop on Sensor Network and Wireless

Communication being held at A.D.Patel Institute of Technology, New Vallabh Vidyanagar during 9-11 October 2013.

- Invited as an expert for research project evaluation “Avishkar- 2016”, the 11 th Maharashtra state inter university research convention organized by SRTM Uni. Nanded, Maharashtra.

Research Project Nil

Publications

International Conference Publications:

- 1) Doshi, Twinkle V.; Zalawadia, Khyati R., "Performance analysis and comparison of different Rake receivers for UWB channel," in Emerging Technology Trends in Electronics, Communication and Networking (ET2ECN), 2012 1st International Conference on , vol., no., pp.1-5, 19-21 Dec. 2012 DOI: 10.1109/ET2ECN.2012.6470090
- 2) Twinkle doshi, Khyati zalawadia, Dr. U. D. Dalal, ‘Performance analysis of a Rake receiver with LMS algorithm’ International conference ICSSA,pp-5-9,2011 ISBN: 978-1-6123-3002-0
- 3) Khyati zalawadia, Twinkle doshi, Dr. U. D. Dalal, ‘Interference Rejection performance of Adaptive beamforming with LMS Algorithm’, ICSSA dated 24-25th Jan 2011 ISBN:978-81-909376-6-5
- 4) Doshi, T.V.; Zalawadia, K.R.; Dalal, U.D., "BER Performance Analysis of CDMA Forward Link," in Computational Intelligence and Communication Networks (CICN), 2011 International Conference on , vol., no., pp.233-237, 7-9 Oct. 2011 DOI: 10.1109/CICN.2011.46
- 5) Twinkle Doshi, Khyati Zalawadia, Upena Dalal “Performance analysis of CDMA Forward Link”, ICCIC Kanyakumari Dec-2011
- 6) Mohit Vagadiya, Twinkle Doshi, Vishal Jain, “REVIEW PAPER OF MAGNETRON POWER SUPPLY”, International Conference- Women in science and technology- sustainable Career, Jan 28-30, 2016

International Journal Publication

- 7) Twinkle V Doshi and Upena Dalal. Article: Effect of Multiple Fingers on Receiver Performance in CDMA Forward Link. International Journal of Computer Applications Vol.115, No-14,pp.26-29, April 2015 DOI: 10.5120/20222-2502
- 8) Twinkle Doshi, Upena Dalal, “Novel DS-UWB Partial Rake receiver over different UWB channels”, IETE Journal of Research, Taylor & Francis SN - 0377-2063, 24th July 2015(Impact Factor: 0.2)(SCI Index) DOI:10.1080/03772063.2014.984645
- 9) Twinkle Doshi, Upena Dalal , “Genetic Algorithm Assisted DS-UWB BPSK MMSE receiver”, IJLEO-D-15-00087, accepted in Optik - International Journal for Light and Electron Optics, Elsevier(Impact Factor :0.75)(SCI Index)
- 10) Sandip Mane, Twinkle Doshi, “Implementation of Substation Automation Systems using IEC 61850”, International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X ,Impact factor: 4.295,(Volume 4, Issue 5)
- 11) Rachana Gandhi, Prof. Twinkle Doshi and Mr. Rajesh Deolalikar, “ PCB Based Microwave

Bandpass Passive Filter”, International Journal of Innovative and Emerging Research in Engineering Volume 4, Issue 2, 2017

Activities and honours

- Appointed as institute nodal officer for scheme of assistance for Incubators and Start-ups under Electronics & IT/ITeS Start-up Policy for the State of Gujarat (2016-21) where BITS is short listed Colleges under Para 3.9 of the Startup Policy 2016-21
- Served as Convener for one day Science Project Exhibition for School students “KHOJ-2017” at Babaria Institute of Technology
- Served as convener for final year students Project Exhibition “Exhibit- 2017” dated 8th April 2017
- Arranged an expert talk on “#SUCCESS: Story is yet to be WRITTEN. Your Story!” as a part of 4th anniversary celebration of Yuvalaya for all 3rd sem students on 6th July 2018.
- Served as Coordinator of Design Printing and Banner committee of Aahvan-2019
- Served as Coordinator of Judges invitation and arrangement of Aahvan-2018
- Served as coordinator of Invitaion, Hospitality, Inaugral and Velidictory Committee of XITIJ-2015
- Served as Fine art event coordinator in XITIJ 2014
- Invited As a judge for different events in Prakarsh 08, Prakarsh 09, Prakarsh 10 at SVIT Vasad
- Conducted and deliver an expert talk in two day Workshop on ‘Matlab’ dated 21-22 Feb. 2008 under ISTE student chapter at SVIT- Vasad
- Conducted and deliver an expert talk in two day Workshop on “Basic Electronic and Electrical component and simulation and PCB designing software” dated 22-23 Feb. 2008 under ISTE student chapter at SVIT- Vasad
- Worked as exam coordinator, T & P Coordinator and Cultural event coordinator.

M.Tech Thesis Supervised

- HV Power Supply For Magnetron With Advance Safety Control – Mohit Vagadiya ,2016.
- TO DESIGN PCB BASED 2.45 GHZ MICROWAVE BANDPASS PASSIVE FILTER WITHOUT TUNING ELEMENT-Rachna Gandhi, 2017
- DESIGN AND DEVELOP SUBSTATION AUTOMATION SYSTEM (SAS) USING IEC61850 STANDERD- Mane Sandip, 2018

Grant Received

Rs 30000 received for two days worshop on “Electronic Circuit Simulation Using -SEQUEL” 8th and 9th May 2015 at BIT, from GUJCOST

Rs 50000 received for two day seminar on “ Recent Trends in Power Electronics and Embedded systems” at BIT, 4th-5th January -2019 from GUJCOST