

Name of Faculty	Dr. Khyati R. Zalawadia
Designation	Associate Professor
Email id	khyatizalawadia.ec@bitseducampus.ac.in
Contact number	9879035838
Total Experience Teaching Industry	16 years and 9 months --
Professional Summary	Working as Associate Professor in EC department since 2011, Recognized P.G. Teacher in since 2011, P.G. Co-ordinator at BIT since 2015,Active participation at SVIT, Vasad the time of NBA accreditation visit at EC dept. In 2007,Institute Nodal Co-ordinator for Virtual Lab activity since 2018 ,Core committee member of national event like Aahvan, Xitij, IETE student chapter co-ordinator since 2018 ,Life time Membership of ISTE and IETE
Current Activities	P.G. Co-ordinator of M.E. (E.C)(C.S.E.) at BIT, Varnama since 2015, IETE student chapter co-ordinator since 2018, Expert committee member for PG dissertation at Gujarat Technological University, Institute Nodal Co-ordinator for Virtual Lab activity since 2018
Specialization Areas	Wireless Communication, IoT, Optical Networks
Subject Taught (UG/PG)	Analog circuit design Wireless and Mobile Communication Optical Networks and communication Internet of Things (IoT)
Qualifications	Ph.D in Electronic Engineering (2017) SVNIT,SURAT M.E (Electronic Communication System) (2005) (First class with distinction) DDIT,Nadiad B.E. (Electronics Communication) (2001) (First class with distinction) North Gujarat University,Patan
Skills	Programing Language: Embedded C, Wireless Communication Systems knowledge: Advance communicating system like 3G, 4G and LTE systems, Near field communication system(NFC), Beam-forming systems for satellite communication ,Cad Tools: Orcad, Cadence, Multisim ,Ultiboard ,Simulation tool : Antenna design software HFSS, PCADD ,MATLAB with Simulink, Optical Communication Systems and design consideration of optical link for WDM concept, Implementation of IoT based application , IoT protocol like mqtt
Achievements	Appointed as a Institute Nodal Co-ordinator for Virtual Lab activity since 2018
Research Project	Nil
Publications	1. Twinkle Doshi, Khyati Zalawadia, “Design ,Simulation And Test Rectangular Microstrip Patch Antenna Array” International; conference ICSSA ,pp 151-155 ,2009 (Published by Universal –Publishers, ISBN-10:1-59942-869-5 & ISBN-13:978-1-59942-869-7) 2. Khyati Zalawadia,Twinkle Doshi ,Upena Dalal, “ Interference Rejection of

Adaptive Beam Forming through LMS Algorithm” International; conference ICSSA ,pp1-4,2011 (ISBN: 978-1-6123-3002-0)

3. Khyati Zalawadia, Twinkle Doshi ,Upena dalal “Adaptive Beam Former Design using RLS Algorithm for Smart antenna system”, CICN,Gwalior ,pp.102-106, 2011. Computational Intelligence and Communication Networks (CICN), 2011 ISBN: 978-0-7695-4587-5/11
4. Khyati Zalawadia, Twinkle Doshi ,Upena dalal “Interference Rejection of Beamformer through Blind Algorithm for W-CDMA System”, ICCIC Kanyakumari Dec-2011.
IEEE Xplore:CFB1120J-ART ISBN:978-1-61284-694-1Print Version:CFB1120J-PT ISBN:978-1-61284-766-5
5. Khyati Zalawadia, Twinkle Doshi ,Upena dalal-“ Study and Design Narrowband Phase shift Beamformer”, ICSSA -2013, V.V.Nagar ISBN:978-81-909376-6-5
6. Twinkle Doshi, Khyati Zalawadia, Upena Dalal, “ Performance Analysis of Rake Receiver through LMS algorithm” International conference ICSSA, pp-5-9, 2011. (ISBN: 978-1-6123-3002-0)
7. Twinkle Doshi, Khyati Zalawadia, Upena Dalal “BER Performance analysis of CDMA Forward Link” CICN, Gwalior, pp.233-237, 2011. (IEEE Publication)
Computational Intelligence and Communication Networks (CICN), 2011
Digital Object Identifier: 10.1109/CICN.2011.46
Publication Year: 2011, Page(s):233 – 237
ISBN: 978-0-7695-4587-5/11
8. Twinkle Doshi, Khyati Zalawadia, Upena Dalal “Performance analysis of CDMA Forward Link”, ICCIC Kanyakumari Dec-2011. (IEEE Xplore :CFB1120J-ART ISBN:978-1-61284-694-1Print Version:CFB1120J-PT ISBN:978-1-61284-766-5)
9. Twinkle Doshi, Khyati Zalawadia “Performance analysis and Comparison of different RAKE receivers for UWB channel, SVNIT Surat ,ET2ECN-2012
10. Khyati R.zalawadia, Neeraj Mishra, Himanshu Shah and Upena dalal “Reconfigurable Stimulus Generator for Receive Beamformer Test-bed”. International Journal of Computer Applications 117(5):4-9, May 2015.
11. Khyati Zalawadia , Pratik Jain , Himanshu Shah , Upena Dalal “ An Efficient Calibration Scheme for Satellite Onboard Receive Digital Beamformer” ,IETE Journal of Research May-2015 (Impact Factor: 0.2)(SCI Index)
12. Khyati Zalawadia, Neeraj Mishra, Himanshu Shah Upena Dalal “All Digital Implementation of Input stimulus generators for onboard Beam Former System” Accepted in process to published in Optik - International Journal for Light and Electron Optics Aug-2015 (Impact Factor :0.75)(SCI Index)
13. Khyati Zalawadia ,Helly Shah, Radhika Shrirangpure “Traffic Detection and Diversion System: Case Study” IJREEIE . Vol. 4, Issue 11, pp. 9525-9255, 2015.
14. Vaishnavi Patel, Khyati Zalawadia “Comparative Study On Non-Linear Artificial Neural Network Equalization Techniques”, International Journal For Science And Advance Research In Technology, Vol 1, 2016

Activities and honours

- Appointed as reviewer for papers submitted at International National Conference at G H Patel College of Engineering & Technology (GCET), Vallabh Vidyanagar, Gujarat, India on **International Conference on Intelligent Systems and Signal Processing (ISSP-2017) during 23-25 March, 2017.**
- Various Project Guided for Post Graduate students at Gujarat Technological University
- Attended 7 international conferences
- Published 14 papers in various journal and International conferences
- Attended 15 refresher courses includes seminars, workshops
- Organize Two day Workshop on ‘Matlab’ under ISTE student chapter year 2007-2008.
- Organize Two day Workshop on “Basic Electronic and Electrical component and simulation and PCB designing software” under ISTE student chapter year 2007-2008.
- Organize One day workshop on “Matlab GUI” Under ISTE Banner in year 2008-2009.
- Organize One day workshop on “IoT ” 2018-19

Grant Received

Nil