

Dr. Hitesh Patel [Ph.D.]

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Profile Snapshot

- Ph. D. in Computer/IT Engineering with more than 19 years of experience in Teaching & Curriculum Development in Education sector
- Sound knowledge & interest in programming, AI & Machine Learning, integration & implementation of software applications
- Well versed with Python, Data Structures, Java, C, C++, ASP.NET, PHP etc.
- Excellent communication & interpersonal skills with ability to grasp new concepts quickly and utilize the same in a productive manner

Employment Details

Jan'07 – Present: **B & B Institute of Technology, Vallabh Vidyanagar, Gujarat** **I/C Head**

Key Result Areas

- Coordinating with faculty members for altering the prevailing courses/curriculum/syllabus based on the requirements, while preparing papers; supervising examination
- Fostering healthy learning atmosphere in class & responding to all classroom queries in a spontaneous & empathic manner
- Ensuring discipline by observing students' work, behavior and attendance
- Keeping records and writing reports on students' performance and providing effective leadership to the institute for professional development as well as promoting high standards of student learning
- Implementing operational plans for ensuring smooth running of the institute and providing leadership to teaching and administrative staff for ensuring high quality of teaching

Research Paper Publication

Title: Optimal QoS Distributed Load Balancing Mechanism for Virtual Machine Allocation in Cloud Environment
Publication: Published a research paper on "A Survey on Load Balancing Techniques in Cloud Data Center uses VM Migration" in International Journal of Advanced and Innovative Research (IJAIR), Vol.2 Issue 4 ISSN: 2278-7844, April-2013.

Title: Implementing an Open Source Private Cloud Setup,
Publication: Quest International Multidisciplinary Research Journal, Vol.2 Issue 2 ISSN: 2278-4497, DEC-2013.

Title: Applied Constraints on Sequential Pattern Mining with Prefixspan Algorithm
Publication: International Journal of Computer Trends and Technology (IJCTT), Volume 57 Number 1

Title: Diverse Inpainting Techniques: A review
Publication: International Journal of Engineering and Science Invention, ISSN-2319- 6734

Title: Prediction of type 2 diabetes based on feature augmentation and Morlet wavelet assisted deep learning network with FFT overlap and add convolution
Publication: International Journal of Biomedical Engineering and Technology, Vol.47, Issue 3, ISSN: 1752-6426, March-2025, DOI: <https://doi.org/10.1504/IJBET.2025.144949>

Title: Data Augmentation Approach for Type-2 Diabetes Prediction and Classification
Publication: Indian Journal of Science and Technology, 18(14):1096-1104, April-2025
DOI: <https://doi.org/10.17485/IJST/v18i14.3904>

Title: ARGIA: An Adaptive Risk-Guided Information Acquisition Framework for Efficient Diabetes Prediction Using Publicly Available Health Data
Publication: International Journal of Sciences and Innovation Engineering, Volume 3, Issue 9, Page Number: 130-139, E-ISSN: 3049-0251, September-2026, DOI: <https://doi.org/10.70849/ijsci03092624066>

Book Publications

Published 6 different titled books for Diploma Engineering Students of Gujarat Technological University

1. "Python Programming" First Edition-2022
2. "Web Programming using ASP.NET" First Edition-2015
3. "Internet Technology" First Edition-2014 & Second Edition-2017
4. "Computer Graphics & Multimedia" First Edition-2011
5. "Dynamic Web Development" First Edition-2010
6. "Computer Graphics" First Edition-2010 & Second Edition-2013

Administrative Activities

- Working as GTU Coordinator and In-Charge Student Section, BBIT from July-2025.
- Worked as a Centre Superintendent & Technical Staff for CMAT-2016 at BBIT Centre
- Worked as a GTU Practical Exam Coordinator for Computer/IT branch at Vallabh Vidyanagar Zone in Summer and Winter Examinations during year 2014,2015 & 2016
- Committee member for AICTE and GTU Affiliation process for the year 2016-17
- Worked as GTU Coordinator for BBIT(SFI)-605 during year 2010-2011
- Worked as Committee member in one Week online Short Term Training Program on "Recent Trends in Machine Learning and its applications using Python" sponsored by IE & ISTE during April-2023.
- Worked as Co-coordinator in Faculty Development Program on "Web Development & Web Hosting" approved by DTE-ISTE during May-2010.
- Organizing Committee member for one day seminar organized by CVM in association with ISTE Gujarat Section and GTU Ahmedabad.
- Organizing Committee member for "CREATO" A National level project Competition.
- Organizing Committee member for "Hackathon-2023, 2020, 2019 & 2018" A State level project Competition
- Verifying officer during online admission process for ACPDC- Help Center, BBIT during year 2022, 2014, 2010-11
- Central Committee member during year 2009-10, 2012-13, 2013-14, 2016-17, 2018-19
- Member-coordinator committee for Dr. C. L. Patel Platinum Jubilee Celebration
- Counselor during MQ/NRI admission process for BBIT during year 2010-11

Academic Qualification

- Ph.D. (Computer/IT), Gujarat Technological University from July-2020 to September-2026
- M.E. (Computer Engineering), Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar, Gujarat Technological University from July-2011 to July-2013
- B.E. (Computer Engineering), Laljibhai Chaturbhai Institute of Technology, Mehsana, Hemchandracharya North-Gujarat University from July-2002 to July-2006
- 12th (Science) from Anand High School, Anand, G.S.E.B in March-2002
- 10th from Anand High School, Anand, G.S.E.B in March-2000