GIDC DEGREE ENGINEERING COLLEGE
FACULTY PROFILE

Name of Teaching Staff	Prof. Hetal M. Patel		
Designation	ASSISTANT PROFESSOR		
Department	Computer Engineering		
Date of Joining	01/09/2014		
Qualifications with Class/Grade	UG	PG	PhD
	First Class	Distinction	--
Total Experience in Years	Teaching	Industry	Research
	17	--	--
Area Of Interest	Database Management, Data Mining, Operating System, Parallel Processing, Artificial Intelligence, Theory of Computation, Digital Electronics, Software Engineering, Mobile Computing & Wireless Communication.		
Papers Published in Journals	National	-	International	09

Detail Of Publication	1. Published a paper with title "Comprehensive Study and Review of Image Mosaicing Methods" International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 9, November- 2012 ISSN: 2278-0181. 2. Published a paper with title "Panoramic Image Mosaicing "International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 5, May – 2013 ISSN: 2278-0181 3. Published a paper with title "Review on FI Mining Algorithms "International Journal of Engineering Research & Technology (IJERT) Vol. 4 Issue 11, November – 2015 ISSN: 2278-0181 4. Published a paper with title "Scrutiny on ARM Techniques "International Journal of Advance Engineering and Research Development Volume 3, Issue 12, December - 2016 5. Published a paper with title "Clustering Algorithm for WSNs" International Journal of Innovative research and Technology (IJIRT) vol 8 Issue 4 ISSN: 2349-6002 September 2021. 6. Published a paper with title "Analysis on Different FP Mining Algorithms" International Journal for Research & Development in Technology ISSN: 2349-3585 7. Published a paper with title "CLOUD SECURITY IN A MULTI-TENANT ENVIRONMENT" in journal Stochastic Modeling and Applications, ISSN: 0972-3641, Vol. 26 No. 3 (January - June, Special Issue 2022) UGC CARE APPROVED JOURNAL 8. Published a paper with title "DATA MINING ALGORITHMS BASED ON THE CLUSTERING TECHNIQUE" in journal Stochastic Modeling and Applications, ISSN: 0972-3641, Vol. 26 No. 3 (January - June, Special Issue 2022) UGC CARE APPROVED JOURNAL 9. Published a paper with title "SMART GRID NETWORK: THREATS, VULNERABILITIES, AND SECURITY" in journal Stochastic Modeling and Applications, ISSN: 0972-3641, Vol. 26 No. 3 (January - June, Special Issue 2022) UGC CARE APPROVED JOURNAL	

Papers Presented in Conferences	National	-	International	--

	STTP/WORKSHOP/ CONFERENCE / SEMINAR Organized or Participated	**STTP/WORKSHOP/CONFERENCE / SEMINAR Participated:**
		1. Induction Training Program On **'Computer Science'** at BBIT, Vidyanagar from 5th May 2003 to 17th May 2003.
		2. Seminar on "WTO - Opportunity or Threat to Technical Education in the context of Excellence & Quality Assurance "Sponsored by ISTE at BBIT on 25th April 2003.
		3. Staff Development Program - **'Improving Academic Process'** sponsored by National Institute of Technical Teachers' Training & Research, Bhopal at BBIT, Vidyanagar from 5th April 2005 to 9th April 2005.
		4. Workshop on " Pollution: Anthropogenic Disaster " Sponsored by AICTE at BBIT on 4th March 2006.
		5. Training Program on **'Web Technology'** sponsored by AICTE-ISTE al at BBIT, Vidyanagar from 12th March 2007 to 17th March 2007.
		6. Seminar on "Environmental Protection, Industrial Hygiene & Safety" sponsored by VIDYOG at Birla Vishvakarma Institute of Technology, Vidyanagar on 9th January 2008.
		7. Seminar on "Alternative sources of Energy" sponsored by VIDYOG at Birla Vishvakarma Institute of Technology, Vidyanagar on 9th January 2008.
		8. Two Day National Seminar on" Natural Language Processing and Data Mining" sponsored by UGC-SAP at Department of Computer Science, VNSGU, Surat on 3rd – 4th March 2012.
		9. Training Program on "Python Programming" at FETR, Bardoli from 20th Dec. 2015 to 24th Dec 2015.
		10. FDP on "Design Engineering" at GIDC Degree Eng. College, Abrama from 18th Oct 2016 to 19th Oct 2016
		11. Workshop on "Ethical Hacking and Information Security" at Sarvajanik College of Eng. And Tech., Surat on 30th Sep 2016 to 2nd Oct 2016.
		12. Workshop on "Introduction to Android Programming" at GIDC Degree egg. College, Abrama from 8th Dec. 2016 to 10th Dec. 2016
		13. STTP on "Recent Trends of Mathematics in Science and Technology" at GIDC Degree Eng. College, Abrama from 2nd Jan. 2017 to 6th Jan. 2017
		14. A two-days FDP on "Introduction to Machine Learning" at Remote Centre at SCET, Surat & conducted by IIT Kharagpur from 16th Dec 2017 to 17 Dec 2017.
		15. Attended GUJCOST sponsored STTP on "Recent Trends of Mathematics in Science and Technology" at GDEC during 2-6 Jan 2017

16. Attended Two-Day Training Programme - Saptahaant Shikshak Prashikshan (SSP) FDP on INTRODUCTION TO MACHINE LEARNING organized by IIT KHARAGPUR 16th December and 17th December, 2017 at Sarvajanik College of Engineering & Technology, Surat (Remote Center)
17. Attended One Day workshop on "Start-Up & Innovation Promotion" at GDEC on 24th November 2017
18. FDP on Pedagogical Effectiveness at GIDC Degree Engg. College, Abrama on 3rd Jan 2018
19. Seminar on "Start-Up & Innovation Protothon" at GIDC Degree Engg. College, Abrama on 24th November 2018
20. Attended GTU Sponsored one week STTP on "Android Programming a hands-on approach" at GDEC from 24-28 December 2018.
21. Webinar on "Internet of Things" by Tata Consultancy Services (TCS iON | Digital Learning Empowering Learning Outcomes on 27th November 2018.
22. Two-Day State Level GUJCOST sponsored a seminar on "Artificial Intelligence and Python Programming" at Department of Computer Engineering, DJMIT, Anand on 21 & 22 February 2019
23. 3-days GUJCOST sponsored workshop on "Python for Data Science" at Department of Computer Engineering, SCET, Surat from 28th June 2019 to 30th June 2019.
24. Short Term Training Programme on "Training of Trainer for Teacher Educator" by National Institute of Technical Teachers Training and Research, Bhopal from 5 Oct 2020 to 9 Oct 2020
25. Completed National Webinar on "Java with IDE" from 16-05-2020 at R. N. G. Patel Institute of Technology – RNGPIT
26. Completed WEBINAR ON "Powerful Multimedia Tools to Make Classroom Teaching Effective" from 28-05-2020 at Applied Science and Humanities Department. of S.S.AGRAWAL, NAVSARI
27. Attended one-week Faculty Development Program (FDP) on "Sustainable Techniques for Rural Development"   on 17-21 May, 2021 organized by RCI SVNIT, Surat in association with NIRD&PR, Hyderabad (UBA 2.0)
28. Attended UBA workshop on shitake mushroom at college on 3-8-2021.
29. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Internet of Things" from 01/02/2021 to 05/02/2021
30. Participated & completed successfully 12 week duration course sponsored by

NPTEL-AICTE FDP on "Problem Solving through Programming in C" with E-certificate.

31. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Quantum Computing" from 21/06/2021 to 25/06/2021

32. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "IoT Applications" from 06/12/2021 to 10/12/2021

33. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Role of IOT in Cyber Security" from 29/11/2021 to 03/12/2021

34. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Cyber Security" from 05/07/2021 to 09/07/2021

35. Attended ISTE approved FDP Programme on "Recent Advances in Machine Learning and its Applications using Python" held during 13.03.2023 to 18.03.2023 organized by Bhilalabhai and Bhikhabhai Institute of Technology,Vallabh Vidyanagar, Gujarat

STTP/WORKSHOP/CONFERENCE / SEMINAR Organized:

1. Organized GUJCOST Sponsored two-days' workshop on "Internet of Things: A Hand-On Approach" on 17th-18th February, 2018 at GDEC. The grant of 25,000/- was sanctioned by GUJCOST as a financial assistance.

2. Organized a state level GUJCOST Sponsored STTP on "Designing Embedded Systems enhanced with IoT using Micro Python" on 8-12 January 2019 at GDEC. The grant of 40,000/- was sanctioned by GUJCOST as a financial assistance. Total 54 students & 4 faculties had participated this STTP.

UBA Activities Organized/Coordinated/Attended:

1. UBA team had organized tree plantation and blood donation camp (2022-23,2023-24)
2. Visited Sub Centre of Primary Health Care Centre, Mandir Village
3. Taking a pledge of ethics under the Plastic Free Campaign on the occasion of "Plastic Free Bag" Day on 03-07-2020
4. Tree Plantation at College as a part of the environment and sustainable development

		On 03-07-2020 at GIDC Degree College
		5. Coordinated for Rangoli competition on "Say No to Plastic" under Unnat Bharat Abhiyan 2.0 on 3rd February 2020
		6. Village visit-(UBA cell committee member) as a part of Induction program of 1st Year students (Vedchha Village)
		7. Representative to attend meeting of UBA Participating Institutes at SVNIT Surat (18-01-2020)
		8. Attended one-week Faculty Development Program (FDP) on "Sustainable Techniques for Rural Development" 17-21 May, 2021 organized by RCI SVNIT, Surat in association with NIRD&PR, Hyderabad (UBA 2.0)
		9. Participate in Meeting for "Discussion on implementation of CSIR Technologies in UBA adopted villages – Development of Rural Entrepreneurship" organized by UBA RCI SVNIT, Surat on 20th March 2021.
		10. Attended a Participating Institutes Video Conference Meeting hosted by RCI SVNIT, Surat on 26th September, 2020
		11. Attended UBA workshop on shitake mashroom at college on 3-8-2021
		12. Attended Webinar on "Participate in Unnat Bharat Abhiyan for Sustainable Development of the Villages" on 17-08-2020 Gujarat Technological University and Organized by Regional Coordinating Institute IIT Gandhinagar and SVNIT, Surat
		13. Attended Webinar on "Technology Demonstration for Rural Entrepreneurship: UBA-CSIR-VIBHA initiative" webinar on 19th March 2021
	Projects Guided	E-Agriculture World Online Automobile Smart Shopping Mall Easy go marketing using geo fencing technology
	Books Published / IPRs/ Patents	--
	Professional Memberships	Life Time Membership of ISTE LM 65231
	Responsibilities	1. Department Project/Internship Co-ordinator since 2014 2. Department PMMS Co-ordinator since 2014

		3. GTU Co-coordinator - Exam Committee Member from 2014 to 2019 4. ISTE Committee member since 1st January 2018 5. JEE/GUJCET Mock Test Coordinator since 2018 6. Unnat Bharat Abhiyan Cell-Co-coordinator since 2019 7. Dewang Mehta IT Award coordinator since 2018 8. Design Lab Co-ordinator from 2017 to 2019 9. Department NBA Coordinator 10. GDEC Alumni Association Co-coordinator 11. Coordinator of Prize Distribution Committee GUNJ-2016 , GUNJ-2017. 12. Co-coordinator of various event of UDAN Tech Fest (Paper Presentation, GD, Poster Presentation, Innovative Idea Presentation) 13. Canteen Committee member in 2015,2016 14. Class Counsellor of 2016 batch, 2023 batch 15. Coordinator in Project Fair on 26th JAN-16 and 15th Aug-16. 16. Invited as Jury in Poster Presentation at Zonal Level Tech. and Research Skill Competition - 2016 at GIDC Degree Engg. College, Abrama 17. Coordinator in Project Fair on 15th Aug-16, 26th Jan-17. 18. Coordinator of various event in Cultural GUNJ. 19. Sports – 18 Carom Girls Coordinator 20. Sports – 2019: Kho Kho Event Coordinator 21. Worked as an organizing committee of STTP on "Android Programming a hands-on approach" in 2018 22. Coordinator of Final year Project Fair 2019 23. Sports – 19 Girls Cricket Coordinator 24. Representative to attend meeting of UBA Participating Institutes at SVNIT Surat (18-01-2020) 25. Science Fair Committee Member 2022.
	Consultancy Activities	--
	Awards	1. Excellence Certificates achieved for the good performance in subject result such as Operating System, Theory of Computation, and Software Engineering for year 2015-16.

	Grants Fetched	1. Received a grant of Rs. 25,000 from GUJCOST, for conducting Two Day National Level workshop on "Internet of Things on Approach" on 17th & 18th February 2018 at GDEC. 2. Worked as a coordinator for receiving a grant of Rs. 40,000 from GUJCOST, for conducting a one week STTP on "Designing embedded systems Enhanced with IoT using Micro python" at GDEC from 8-12 January 2019.
	Interaction with Professional Institutions	**Invited as Jury** in Paper Presentation event in TechFest-2014 at FETR