Curriculum Vitae

Dr. Nirav P Mehta

[Assistant Professor & Ph.D. Supervisor, MIS Co-Ordinator]

[Parul University, Vadodara, Gujarat]

B.C.A., M.Sc. (I.T & C.A), L.L.B., Ph.D. [Computer Science]
Uni. Reg. No.: **ACADEMIC/169/2019-20 [BKNMU]**

Contact No.: **09067262552**
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❖ Academic Qualification

Exam Name	Board / Uni.	Year Of Passing	Class Obtained	Percentage
Ph.D.*	Atmiya Uni. Rajkot	Nov - 2024	--	--
LLB.	Saurashtra Uni.	2018	First	61.00%
CCC	NIELIT - DOEACC	2013	A Grade	--
M.Sc. (I.T & C.A)	Saurashtra Uni.	2013	Distinction	81.28%
B.C.A. [Gold Medalists]	Saurashtra Uni.	2011	Distinction	74.35%
H.S.C.	G.H.S.E.B.	2007	Distinction	70.57%
S.S.C.	G.S.E.B.	2005	First	64.00%

❖ Computer Programming Skills

Operating System Knowledge: MS-DOS, Windows, Linux/Unix.			
Programming Languages Skills			
1	Programming In C	11	Programming with MongoDB
2	Programming with Data Structure	12	Programming with Hadoop
3	Object Oriented Programming with CPP	13	Programming with HTML, CSS, JavaScript, Bootstrap
4	RDBMS Using Oracle	14	Programming With C#.Net
5	Programming With Java	15	Programming with Asp.Net
6	Programming With Linux, Unix	16	Statistical Mathematics
7	Java To Enterprise Edition [J2EE]	17	Engineering Maths1
8	Programming With Core Python	18	Engineering Maths2
9	Programming With Advance Python	19	Microprocessor and Assembly Language Programming (MALP)
10	Programming with Data Warehouse	20	Programming with Advance J2EE

1st Work Experience
- o *Institute/ College*   : Shri V. J. Modha College of IT
- o *Duration*   : From 15-06-2015 to Continue
- o *Designation*   : Assistant Professor
- o *Responsibility*   : As Assistant Professor at Shri V J Modha College of IT, I have been actively engaged in teaching undergraduate (UG) and postgraduate (PG) students, delivering comprehensive instruction and fostering a conducive learning environment. Additionally, I have assumed a pivotal role in record management and student management, ensuring efficient organization and maintenance of academic records. Furthermore, I have played a key role in coordinating university examinations, overseeing all examination-related tasks for Bhakta Kavi Narsinh Mehta University, Junagadh. Through these responsibilities, I have demonstrated strong organizational skills, attention to detail, and a commitment to academic excellence
- o *Place*   : Porbandar, Gujarat

2nd Work Experience
- o *Institute/ College*   : NPG Unique Computer [Institute For Computer Coaching]
- o *Duration*   : From 10-06-2015 to Continue
- o *Designation*   : Assistant Professor
- o *Responsibility*   : As an Assistant Professor at NPG Unique Computer since June 10th, 2015, I have had the privilege of instructing a diverse group of students, including those pursuing undergraduate and postgraduate degrees at BKNMU, as well as students enrolled in diploma programs at GTU. My responsibilities encompass delivering comprehensive instruction, fostering critical thinking skills, and providing mentorship to students across various academic levels
- o *Place*   : Porbandar, Gujarat

❖ Review & Research Papers Summary

Sr. No.	Paper Title	Conference / Journal Name	Organizer / Publisher	Publication Details	ISBN / ISSN	Link
1	A Review for Recommender System Based on Filtering Method using Artificial Intelligence	ICETCP-2022	ATMIYA University, Rajkot	Proceedings published on Amazon, 12th Sept 2022	ISBN: 979-8841194613 ASIN: B0B8VRLS4G	Amazon Link
2	Study of Nutrition-Based Recommender System for Diabetes and Cardiovascular Patients	AICTC2022 (Springer Conference) [Scopus Indexed]	Springer Nature Singapore	Published on 18th Dec, 2022	Online ISBN: 978-981-19-9888-1 Print ISBN: 978-981-19-9887-4	Springer Link
3	Data Collection for ML Model to Suggest Gujarati Recipes to Cardiac Patients	ICTIS-2023 (Springer Conference) [Scopus Indexed]	Springer Nature Singapore	Published on 27th April, 2023	Online ISBN: 978-981-99-3982-4 Print ISBN: 978-981-99-4039-4	Springer Link
4	Fuzzy Logic Driven Nutrition-Based Recommendation System for Gujarati Cardiac Patients	Journal of Computer Technology & Applications	STM Journals	Published in April 2024	Online: 2229-6964 Print: 2347-7229	
5	A Comprehensive Review of Digital Transformation in Healthcare: Addressing Privacy, Security, and Usability Challenges in Electronic Health Records	A Journal of Medical Science and Technology	STM Journals	Published in 2024	Online: 2319-3417 Print: 2349-1272	—
6	The Thyroid Gland: Primer on Anatomy, Physiology And Pathology	International Journal of Research and Analytical Reviews	IJRAR Journals	Published in June 2024	Online: 2348-1269 Print: 2349-5138	—
7	Global Robotics Market Dynamics: Trends, Growth and Future Projections	Journal of Advancements in Robotics	STM Journals	Accepted: 23/12/2024 Published: 31/12/2024	ISSN: 2455-1872	STM Link
8	Comprehensive Research on Hybrid Recommender Systems for Cardiac Patients' Dietary Preferences	SEEJPH - Volume XXV, 2024	South Eastern European Journal of Public Health	Published on 24/10/2024 [Scopus Article]	ISSN: 2197-5248	DOI Link
9	FRICE: Enhancing AI Trust through a Robust Accountability System	Journal of Information Systems Engineering and Management	—	Vol. 10(8s), 2025 [Scopus]	ISSN: 2468-4376	JISEM Link

❖ Patents Summary

Sr. No	Patent Title	Application No. / Design No.	Type	Applicant(s)	Filed / Registered	Field	Publication On Date / Issue
1	Advanced ML Algorithm Recommending Nutritious Gujarati Foods to Cardiovascular Patients	202421054839	Ordinary Patent Application	1. Atmiya University 2. Nirav Pareshkumar Mehta 3. Dr. Hetal Thaker	Filed: 18/07/2024	Bio-Medical Engineering	Published: 30/08/2024 (U/S 11A)
2	IoT-Enabled Wearable Device for Fire Management	428204-001	Design Patent	1. Dr. Zalak T. Thakrar, 2. Nirav Mehta, 3. Dr. Atul M. Gonsai, 4. Dr. Chetan N. Rathod, 5. Dr. Bhumika K. Charanmandir	Registered: 27/11/2023 Issued: 20/11/2024	Fire Management / Wearable IoT	Govt. of India

❖ Review/Research Paper's Specification:

- *International Conference Reviewer Experience:*

1. Reviewed papers for three distinct international conferences, ensuring adherence to quality standards and contributing to the selection process.
2. Demonstrated proficiency in evaluating academic submissions, providing constructive feedback, and upholding the integrity of scholarly discourse.

Sr. No.	Conference Name
1	• International Conference on Deep Learning and Visual Artificial Intelligence (ICDLAI) • This conference will be held in Bikaner, India, from March 16th to 17th, 2024, We had secured approval from Springer to publish the conference proceedings the distinguished Springer book series, "Algorithms for Intelligent Systems" • Link https://www.springer.com/series/16171
2	• International Conference on Deep Learning and Visual Artificial Intelligence (ICDLAI) Hybrid Mode • Link: https://www.icdlai.in/
3	• International Conference on Emerging Trends in Networks and Computer Communications. (ETNCC2024) • Link https://etncc.nust.na/
4	• International Conference on Computational Complexity and Intelligent Algorithms (IC3IA) • Link: https://ic3ia.in/
5	• Dr. Nirav Pareshkumar Mehta received a certificate for serving as a reviewer at the International Conference on Computational Complexity and Intelligent Algorithms (IC3IA), which was held in hybrid mode on March 8–9, 2025. The conference was organized in collaboration with Springer and several academic institutions. • Conference Link – IC3IA 2025
6	• Dr. Nirav Mehta received a certificate for serving as a Session Chair at the International Conference on Computational Complexity and Intelligent Algorithms (IC3IA) held on March 8–9, 2025, in hybrid mode. The conference was organized in collaboration with Springer and various academic institutions. • Conference Link – IC3IA 2025

❖ Extra-curricular / Seminar / Workshop / Conference / FDPs

Category	Details
Online Courses	• Research Methodology: Successfully completed from Alison.com. • Hadoop Intermediate: Completed from Alison.com.
Workshops	• Copyright, Patent Filing & Journal Indexing: One-week workshop organized by REST Society for Research International. Certificate No.: ACK047
Faculty Training Programs	• AI & ML Toolkit in Research Application: Two-day program conducted by Chandigarh Engineering College in collaboration with Eureka Electro Soft Solutions Pvt. Ltd., Punjab. Organized By: IETE Chandigarh, Institution's Innovation Council.
International FDPs	• Data Analytics & Machine Learning: Jointly organized by Mizoram University and North-Eastern Hill University. Certificate No.: 2022030435. • Mathematical Modelling of Biosystems with Epidemiology Focus: Held at Mizoram University.
Seminars	• How to Effectively Use Science Direct: Organized by ELSEVIER and Dr. A.P.J. Abdul Kalam Technical University. • Accelerating Research with Elsevier Tools: Enhancing research planning using Scopus, led by Vishal Gupta. Date: 17 June 2021.
Research Methodology Programs	• TAPAS-02 Residential Course: Five days at Saurashtra University.
NEP Orientation Program	• Two-Week Program on NEP Orientation & Sensitisation: Conducted by Malaviya Mission Teacher Training Centre, Central University of Punjab, Bathinda. Date: 18–27 December 2023. Organized By: UGC, Ministry of Education, India.

❖ **Achievements**

Gold Medal Award	• Honored with a Gold Medal by Shri Joshipura Sir, Vice Chancellor of Saurashtra University, for securing 1st position in the Bachelor of Computer Application in Porbandar District.
Published Books	1. *Programming In C* (ISBN: 9-789353-966034) 2. *Data Structure & File Structure Using C* (ISBN: 9-789354- 063695) 3. *Foundation of Mathematics & Statistics* (ISBN: 9-789354- 067365) 4. *C++ & Object-Oriented Programming* (ISBN: 9-789354- 073625) 5. *Operating Systems Concepts with Unix/Linux* (ISBN: 9- 789354-076251). • Published by Raja Rammohun Roy National Agency for ISBN.
International Paper Publications	• I published 3 international papers during my Ph.D. work.
Reviewer for International Conferences	• Served as a reviewer for 4 international Springer conferences indexed in Scopus.
Reviewer Certificate	• I received a certificate for outstanding performance as a reviewer for international conferences.
Committee Member	• Appointed as a technical committee member for the Springer conference AICTC 2024.
Scholarship under SSIT Scheme	• Awarded a scholarship under the SSIT Scheme for patent publication, applicable to researchers under 35 years. My patent has been published.
Examination Duties	• Performed various examination duties (e.g., paper distribution, squad duty, and paper assessment) for Bhakta Kavi Narsinh Mehta University and Saurashtra University in Porbandar & Devbhumi Dwarka District for over 7 years.
Paper Setter for BKNMU	• Appointed as a Paper Setter for Bhakta Kavi Narsinh Mehta University (BKNMU), Junagadh, for B.C.A. and B.Sc. IT streams. Received official orders to prepare and structure examination papers.
Sports Achievements	• Cricket Team Coach: Guided Shri V J Modha College cricket team to win the BKNMU inter-college tournament championship three times.- Represented as Head Coach for the BKNMU season cricket team at the Inter-University Tournament in Jalgaon, Maharashtra, 2023

❖ Personal Details

Name	Dr. Nirav Mehta
Father Name	Paresh Mehta
Date of Birth	07/09/1989
Email _ ID	mr.niravmehta1@gmail.com
Address	Plot No 68, Dr. Society, Paresh Nagar, Porbandar. 360575.
Contact	09067262552
Marital Status	Married
Work Experience	As Assistant Professor Since 15th June, 2015.
Institute Name	Shri V J Modha College Of IT Porbandar

❖ Lectures & Programming Skills Programming Lectures:

- Programming In C, Data Structure, Object Oriented Programming with CPP (Since 2015)
- RDBMS Using Oracle, Programming with Java, Programming With Linux, Unix, Java To Enterprise Edition (J2EE) (Since 2016)
- Programming With Core Python, Programming With Advance Python, Programming with Data Warehouse, Programming with MongoDB, Programming with Hadoop (Since 2018)

❖ Programming Skills:

- *Languages:* C, C++, Java, Python, HTML, Data Structure
- *Operating Systems:* Linux, Unix, Windows
- *Database:* Oracle, MongoDB
- *Frameworks & Tools:* J2EE, Advance J2EE, Data Warehouse, Hadoop

❖ References:

Sr. No.	Name	Designation & Working Location
1	**Dr. Hetal Thaker**	Assistant Professor, NFSU Gandhinagar *E-Mail: hetal.thaker@nfsu.sc.in*
2	**Dr. Zalak T Thakrar**	Assistant Professor, NFSU Gandhinagar *Mobile: 9033314909 E-Mail: zalak.t.thakrar@gmail.com*
3	**Darshan Sheth**	Assistant Registrar, Darshan University, Rajkot. *Mobile: 9033912400*
4	**Dr. Ashish Kothari**	Director of Research. Atmiya University, Rajkot.
5	**Dr. Vishal Gaur**	Assistant Professor, Bikaner Technical University, Bikaner *Mobile: 9414629056*