

BIO-DATA



1.	Name	Mrs. Mukta Nivelkar					
2.	Designation	Assistant Professor					
3.	Residential Address	Navi-Mumbai					
4.	Date of birth	21 st July					
5.	Total Experience	17					
i.	Teaching	17					
ii.	Industrial	00					
6.	Qualifications	PhD Pursuing (at VJTI Mumbai)					
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI		
	2012	2010	Mumbai university	ME in IT	76%		
Additional Qualification:							
7.	Employment Record						
	Institution	Year (From To)		Designation			
	FCRIT VASHI	2007-Present		Assistant Professor			
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught						
	Subjects Taught at UG level						
	Sr.No.	Name of Subject			Semester		
	1)	SPA			II		
	2)	DSA			III		
	3)	OS			IV		
	4)	INS			IV		
	5)	MC			VII		
	6)	MS			VIII		
	7)	WN			VII		
9.	Research Experience						
10.	Research Funding / Consultancy Services:						
	Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period
	Research Grants:						
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project	
	Technical Collaboration / Lab Funding with Industries						
	Sr.No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year		
11.	Professional Societies Fellowship / Membership: CSI/ ISTE						
	ISTE Membership No 63620						
12.	Achievements / Awards / Position						
	Late SMT. MOHINI P. CHHABRA AWARD 2006-07 TO STAND FIRST IN B.E.						
13.	Projects guided in UG/PG level						

14. Short Term Training Programmes attended	
Sr. No.	Name of Program attended
1	Short Term Training Program on Integrating GenAI in App, Organised by Fr. C. Rodrigues Institute of Technology, Navi Mumbai dated 8/4/2024 to 13/4/2024
2	Five – Day Faculty Development Programme on Quantum Computing: A New Paradigm of Science & Technology, Organized by Research and Development Cell, St. Thomas’ College of Engineering & Technology, Kolkata with Technical Co-Sponsorship of IEEE Kolkata Section. 13/5/2024 to 17/5/2024
3	Participated in a two-week online Capacity Building Programme on “ Data Science ” organized during 19th May – 01st June, 2023 under a project on “Empowering Girls to Reduce the Gender Gap in IT and ITES Sectors in South Asia Region: Training and E-Content Development Programme”. Organized by PDPM IITDM Jabalpur, India.
4	“Machine Learning Application in Signal Processing and Communication Engineering” organized by Electronics & ICT Academy Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India Indian Institute of Technology Guwahati during 03/01/2022 to 08/01/2022
5	Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Quantum Computing" from 2021-2-22 to 2021-2-26 at Thadomal Shahani Engineering College.
6	Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Quantum Computing" from 2021-1-18 to 2021-1-22 at Thakur College Of Engineering and Technology.
7	Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Quantum Computing" from 2021-1-4 to 2021-1-8 at K.S.Rangasamy College of Technology.
8	Participated in a 40-hours Online Faculty Development Program titled "Data Science for ALL" jointly organized by Electronics and ICT Academics at NIT Warangal, IIITDM Jabalpur, IIT Kanpur, NIT Patna, IIT Guwahati, MNIT Jaipur and IIT Roorkee during 12th - 23rd April 2021.
9	Online workshop on Quantum Computing during 24 - 29 August 2020 jointly organized by Electronics & ICT Academies.
10	Qiskit Global summer school Organised by IBM on Quantum Computing from 20th July 2020-31st July 2021
11	One-week STTP IEEE-GRSS Sponsored on "High Performance Computing" organised by Computer dept at RAIT during 11-16 Nov 2019
12	One-week STTP on "Natural language processing" at FCRIT vashi organized by Computer Engg. Dept during 2-7 January 2020
13	One day Workshop on R' held at SIES Graduate School of Technology, Nerul, Navi Mumbai on 09 November 2019 This training was organised by the Teaching Learning Centre, ICT at IIT Bombay.

	14	Applied exercise and learning development at Qiskit Global Summer School 2020 "Demonstrating applied understanding and comfort with and about Quantum Computing using Qiskit" during July 20th to 31st 2020	
	15	One-week online FDP on "R Programming" organised by Fr. CRIT, Vashi, Navi Mumbai during 18th -23rd May, 2020	
	16	5 Days Online STTP on Internet of Things and Its applications in Industry Jointly organised by Department of Instrumentation Engineering RAIT and B&R AUTOMTION Pune from 8-12 June 2020	
15.	List of Journal Papers Published (list in IEEE format)		
16.	List of Papers Published in National and International Conferences (list in IEEE format)		
	Sr. No.	DETAILS OF PAPERS PUBLISHED	Scopus Index
	1	M. Nivelkar and S. G. Bhirud, "Optimized Machine Learning: Training and Classification Performance Using Quantum Computing," 2021 IEEE 6th International Conference on Computing, Communication and Automation (ICCCA), 2021, pp. 8-13, doi: 0.1109/ICCCA52192.2021.9666429.	Scopus preview - Nivelkar, Mukta - Author details - Scopus
	2	Mukta Nivelkar and S. G. Bhirud. "Modeling of Supervised Machine Learning using Mechanism of Quantum Computing." Journal of Physics: Conference Series, Volume 2161, 1st International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2021) 28-30 October 2021, Manipal, India. Citation 2022 J. Phys.: Conf. Ser. 2161 012023 doi:10.1088/1742-6596/2161/1/012023	Scopus preview - Nivelkar, Mukta - Author details - Scopus
	3	Nivelkar M., Bhirud S.G. (2022) Quantum Computing and Machine Learning: In Future to Dominate Classical Machine Learning Methods with Enhanced Feature Space for Better Accuracy on Results. In: Balas V.E., Semwal V.B., Khandare A. (eds) Intelligent Computing and Networking. Lecture Notes in Networks and Systems, vol 301. Springer, Singapore. https://doi.org/10.1007/978-981-16-4863-2_13	Scopus preview - Nivelkar, Mukta - Author details - Scopus
	4	Nivelkar M., Bhirud S.G. (2022) Supervised Machine Learning Strategies for Investigation of Weird Pattern Formulation from Large Volume Data Using Quantum Computing. In: Bianchini M., Piuri V., Das S., Shaw R.N. (eds) Advanced Computing and Intelligent Technologies. Lecture Notes in Networks and Systems, vol 218. Springer, Singapore. https://doi.org/10.1007/978-981-16-2164-2_45	Advanced Computing and Intelligent Technologies SpringerLink
	5	Mukherjee D., Paulson A., Varghese S., Nivelkar M. (2020) SNAP N' COOK—IoT-Based Recipe Suggestion and Health Care Application. In: Pant M., Kumar Sharma T., Arya R., Sahana B., Zolfagharinia H. (eds) Soft Computing: Theories and Applications. Advances in Intelligent Systems and Computing, vol 1154. Springer, Singapore. https://doi.org/10.1007/978-981-15-4032-5_65	Scopus preview - Nivelkar, Mukta - Author details - Scopus
	6	Jose Ashley, Nefi Nesan, Riyona Lasrado, Mukta Nivelkar, "Hate detection for social media text with user alert system" ICEEE 2022 held in New Delhi, India during January 8–9, 2022	Hate Detection for Social Media Text with User Alert System SpringerLink
	7	Quantum Computing to Study Cloud Turbulence Properties Nivelkar, M., Bhirud, S., Singh, M., Ranjan, R., Kumar, B. <i>IEEE Access</i> 2023, 11, pp. 70679–70690 DOI: 10.1109/ACCESS.2023.3289924	Quantum Computing to Study Cloud Turbulence Properties IEEE Journals & Magazine IEEE Xplore
	8	Investigation and Statistical Analysis of Cloud Droplet Dynamics Using Quantum Computing Nivelkar, M., Bhirud, S., Ranjan, R., Kumar, B.	jcssp.2024.344.356.pdf (thescipub.com)

		<i>Journal of Computer Science</i> , 2024, 20(3), pp. 344–356	
17.	Books/Reports/General articles etc. : Manuscript No: (2023/BP/2484G), entitled: Discussion on: The Utilization of Quantum Computing Methods for the Implementation of Supervised Machine Learning Frameworks.” Book Name: Theory and Application of Engineering Research, DOI: 10.9734/bpi/taer/v2		
18.	Invited Lectures in FDP/ STTP <ul style="list-style-type: none"> • Guest lecture at Terna Engineering College, Nerul, Navi Mumbai 2016-17 • Visiting Professor at Fr. C.R. Institute of Management studies, Vashi 2013-14 • Session conducted at Fr. C. Rodrigues Institute of Technology Vashi during STTP on Advanced data structure on 29th June 2021. 		
19.	International Conference Technical Program Committee Member / Reviewer <ul style="list-style-type: none"> • Registration and Secretarial Assistance Committee Chair-ICNTE2019 FCRIT VASHI • Finance Committee Chair –ICNTE 2017 FCRIT VASHI 		
20.	Patents: Patent Titled on “System and method for analysis of cloud droplet dynamics in high and low vorticity region using direct numeric simulation (DNS) data” Published on March 2023. Granted in September 2023.		