

Curriculum Vitae



Name:

Dr. Milind Uttam Nemade

Highest Qualification:

Ph.D. (Specialization in Speech Processing)

Current Position

Head of Artificial Intelligence and Data Science (AI-DS)

Residential Address:

603, 'A' Wing, Yash Residency,
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mnemade@somaiya.edu, munemade@gmail.com

Religion/ Caste:

Hindu/ Leva Patidar

Orcid Id:

<https://orcid.org/0000-0002-3051-3056>

Web of Science Researcher ID:

LWJ-2790-2024

Google Scholar ID:

<https://scholar.google.com/citations?hl=en&user=qI6HPNsAAAAJ>

Academics:

Qualification	Specialization/Title	Board/University	Year of Passing	Percentage (%)	Class
Post-Doctoral Research (Pursuing)	Area: AI Monophonic Music Generation and Analysis	Lincoln University College, Kaula Lumpur, Malaysia	Expected in Dec. 2025	--	--
Ph.D. (Electrical)	"Development simulation and implementation of new strategies based on soft computing for real time speech processing in multimedia applications"	Faculty of Technology and Engineering, M. S. University of Baroda	2014	---	----
ME	Microprocessor Applications	Faculty of Technology and Engineering, M. S. University of Baroda	1999	63.50	First Class
BE	Electronics & Telecommunication	S.S.G.M.C.E Shegaon, Amaravati University	1995	70.74	First Class

Teaching Experience:

Total Teaching Experience: 29 Years (UGC: 27 Years, Adhoc:02 Years)

College Name	Department	Post	University Approval Date	Date of Joining	Date of Leaving
Rajiv Gandhi Institute of Technology, Andheri (W), Versova, Mumbai	Electronics and Telecommunication	Lecturer	University approval No: CONCOL/SA/3811 of 2006 dated 1st Aug. 2006 . Approval considered from 01-01-1998	01 st Jan. 1998	14 th Dec. 2004

K. J. Somaiya Institute of Technology (Formerly known as K. J. Somaiya Institute of Technology, Sion, Mumbai)	Electronics and Telecommunication	Assistant Professor	University approved No: CONCOL/SA/353 of 2012 dated 6th March 2012 and No: CONCOL/ICM/2012-13/2549 dated 3rd May 2013 Approval considered from 15-12-2004	15 th Dec. 2004	28 th Feb. 2011
		Associate Professor		01 st March 2011	05th January 2016
Engineering and Information Technology, Sion, Mumbai)	Electronics	Professor	University Approval No: CONCOL/ICD/2015-16/47335 Date: 09/03/2016 .Approval considered from 06-01-2016	06th January 2016	Till date

Administrative Experience: (21 Years out of 29 Years)

College Name	Post	Date (From, To)		Department
K. J. Somaiya Institute of Technology (Formerly known as K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai)	Incharge of Examination	23 rd Feb 2005	17 th April 2007	Examination Section
	Head of Department	18 th April 2007	14 th Oct. 2008	Electronics Engineering
	Head of Department	15 th Oct. 2008	31 st Oct 2013	Electronics and Telecommunication
	Coordinator for Personal Contact Programme center of Distance Education of University of Mumbai	10 th Dec.2008	30 th June 2010	BSc IT and MCA Course
	In charge of First Year Admission	28 th June 2013	01 st Aug. 2013	-----
	In charge Principal	01 st Nov. 2013	18 th April 2014	-----
	In charge of Admission for college	13 th June 2014	14 th Aug. 2014	-----
	Head of Department	12 th Feb. 2015	03rd January 2016	Electronics and Telecommunication
	Dean of Industry Institute Interaction Cell	12 th Feb. 2015	14 th January 2019	-----
	Head of Department	4 th Jan. 2016	July 2023	Electronics Engineering
	Head of Department	30 th April 2021	Till date	Artificial Intelligence and Data Science
	Member of NEP implementation Cell	7 th July 2023	Till date	

PhD Guidance to Students: (Completed:06, Pursuing:01)

- Prof. Bhagyashree Ingale pursuing PhD from University of Mumbai in KJSIT. She is completed course work and pursuing PhD in Department of Electronics and Telecommunication Engineering.
- Six students completed PhD, worked as Co-guide for interdisciplinary PhD work in Pacific University Udaipur, Rajasthan and Sri Satya Sai University of Technology and Medical Sciences, Sehore (MP).

Sr. No.	Name of thestudent	Topic of research	Date of registration	Date of declaration ofdegree
1	Mr. Nilesh Patil	Content based audio classification and retrieval using segmentation, feature extraction and neural network approach	March 2016	July 30, 2019
2	Mr. RameshShelke	Performance Evaluation of Digital Audio Watermarking Technique	Aug 2016	Sept 24, 2019

3	Mr. Atul Narkhede	Performance Analysis of Isolated Marathi Digit Recognition Using Wavelet Transform and Soft Computing	March 2015	Nov 9, 2019
4	Mr. Atul Gajare	Analysis of Power System Stability at Generator end using Evolutionary Algorithms	Sept. 28, 2015	June 16, 2020
5	Mr. Nilesh Wani	Investigation on Transmission Line Fault Detection Using SoftComputing	Sept. 28, 2015	June 16, 2020
6	Mrs. Tejasree Kolhe	Small Cell selection and bit rate optimization for 5G Multimedia Services	Oct. 20, 2021	May 30, 2025

Patents: Granted: 03, Published: 04

Agency	Granted /Published	Application Number/PatentNo.	Date of publication/granted	Title of Invention	Field of Invention
Companies and Intellectual Property Commission (CIPC), South Africa's official portal for IP Services	Granted	Patent No: 2022/08576	26 th Oct. 2022	A System To Provide Raga Music Therapy For Alleviating Human Ailments and A Method Thereof	Standard Patent Healthcare
Australian GovernmentIP Australia	Granted	Patent No: 2020104349	3 rd March 2021	An Autonomous capsule maker and filler and a method of making capsules therein	Innovation Patent Category
Intellectual Property India, Govt. of India, Wadala, Mumbai	Granted	Patent No:522257/ Application Number: 201921008860	8 th March 2024 (For 20 Years)	Low cost automated Urinal Water flush system for water conservation	Civil
Intellectual Property India, Govt. of India, Wadala, Mumbai	Published	201921008051	15 th March 2019	USB Security:4.0	Computer Science
	Published	201921009034	22 nd March 2019	ELITOP	Computer Science
	Published	201921017154	17 th May 2019	Arduino based Auto Defrost System (AADS)	Mechanical Engineering
	Published	201921037561	11 th Oct 2019	Smart Electric Locomotive Wheelchairfor disabled (SELWD)	Bio-Medical Engineeri

Awards:

- Received the Bharat Education Excellence Award 2025 in the ***Jyestha Acharya Individual Award – For Heads of Departments with 15+ years of academic contribution*** on 25th October 2025 at T-Hub, Hyderabad by BEEA 2025 Panel & Team Brainovision Solutions India Pvt. Ltd.



2.

3. Received “*S4DS Professional Member Volunteer 2024*” award from **Society of Data Science (S4DS)** at the **9th International Conference on Data Management, Analytics, and Innovation (ICDMAI)**, the flagship conference of S4DS on 19TH January 2025.



4. Received “*Best HOD of the Year 2019*” award from **CSI-TechNext India 2019** Education creating a Digital Ecosystem Annual Academic Awards (2019) and Conference on 28th Sept. 2019 at S. P. Mandali’s Principal L.N. Welingkar Institute of Management Development and Research, Mumbai.



Research Projects:

Minor Research Projects of University of Mumbai:

Sr. No	Name of Researcher	Project Title	Project No	Year	Sponsored By	Amount Sanctioned
01	Dr. M. U. Nemade (Principal Investigator)	Machine Learning based performance analysis and classification of effect of Indian raga for alleviating most common ailments of the modern society	1057	2019-20	University of Mumbai	Rs. 35000

02	Mr. M. U. Nemade (Principal Investigator)	GUI Based Quantitative Performance Comparison of Single Channel Speech Enhancement Techniques for personal communication	414	2012-13	University of Mumbai	Rs. 18500
03	Mr. Pankaj Deshmukh (Principal Investigator) Dr. M.U.Nemade (Co-Investigator)	Audio Deblurring and Watermarking using Singular Value Decomposition	409	2017-18	University of Mumbai	Rs. 30000
04	Mrs. Tilottama Dhake (Principal Investigator) and Prof. M. U. Nemade (Co-Investigator)	Performance measures, analysis and comparison of system level simulation-based LTE and WiMAX 4G cellular technologies for Telecommunication systems	315	2014-15	University of Mumbai	Rs. 25000
05	Mrs. Priya Hankare (Principal Investigator) Mr. M.U. Nemade (Co-Investigator)	Fast Detection of Circumscribed Mass in Mammograms Employing Radial Base Function Neural Network (RBFNN)	296	2013-14	University of Mumbai	Rs. 40000
06	Mr. Kiran Rathod (Principal Investigator) and Prof. M. U. Nemade (Co-Investigator)	Design of Microstrip Array Antenna for Bandwidth Enhancement.	300	2013-14	University of Mumbai	Rs. 35000
07	Mrs. Swati Shinde (Principal Investigator) and Prof. M. U. Nemade (Co-Investigator)	Fabric Defect Detection by using Image Analysis.	299	2013-14	University of Mumbai	Rs. 35000
08	Mrs. Shilpa Joshi (Principal Investigator) and Prof. M. U. Nemade (Co-Investigator)	Removal of Impulse noise from monochrome and colour images using different filtering techniques	419	2012-13	University of Mumbai	Rs. 20000
09	Mrs. Pradnya Kamble (Principal Investigator) and Prof. M. U. Nemade (Co-Investigator)	Touch Screen Based Medical Vending Machine for society Welfare	347	2012-13	University of Mumbai	Rs. 23500

Research Publications:

- Conference Publications: 22

Sr. No.	Title of paper	Authors	Name of the Conference	DOI /Accession No./ Other Details	Year	Indexed
1	Assessing Recurrent and Transformer Architectures for Monophonic Music in ABC Notation	Milind Uttam Nemade, Satheesh Babu, Shakir Khan	LGPR Conference 3, SPAST, SGS Engineering & Sciences	VOL. 1 NO .4 (2025) ISSN 3048-5010	16-10-2025	-
2	Exploring the Effectiveness of RNN-LSTM and RNN-GRU in Monophonic Music Generation Using ABC Notation	Milind Uttam Nemade, Satheesh Babu, Shakir Khan	LGPR Conference 2, SPAST, SGS Engineering & Sciences	VOL. 1 NO .2 (2025) ISSN 3048-5010	15-07-2025	-
3	From Tradition to Innovation: A Review of AI Music Generation Models, Datasets, and Evaluation Techniques	Milind Uttam Nemade, Satheesh Babu, Shakir Khan	LGPR Conference 1, SPAST, SGS Engineering & Sciences	VOL. 1 NO .1 (2025) ISSN 3048-5010	07-05-2025	-

4	Towards Mitigating Misinformation: A Structured Dataset of Fact-Checked Claims from News Media	Milind Nemade, Neha Sharma, Mrityunjoy Panday, G.S. Mani, Sejal Shah, Oam Bhanushali, Aditya Mer, Rishikesh Giridhar, Bhavormi Somaitya, Arish Manasia, Shivam Singh	IEEE Region 10 Symposium TENSYMP	DOI:10.1109/TENSYMP561132.2024.10752132, IEEE Digital Library	Oct-2024	Scopus Indexed
5	AI revolution in Agriculture of India	Dr. Milind Nemade, Mr. Shubham Agarwal, Dr. Vaishali Wadhe, Prof. Sejal Shah	2023, 6 th International Conference on Advances in Science and Technology (ICAST-2023)	IEEE Digital Library	Dec. 8-9, 2023	Scopus Indexed
6	The Fusion of AI and Music Generation: A Comprehensive Review	Dr. Milind Nemade, Mr. Mohammad Agwan, Spandon Roy, Mr. Utkarsh Sinha	2023, 6 th International Conference on Advances in Science and Technology (ICAST-2023)	IEEE Digital Library	Dec. 8-9, 2023	Scopus Indexed
7	State of the art in exploring Integration of Machine Learning and Deep Learning Techniques with Medical Parameters for Diabetic Clinical Decision Support	Dr. Milind Nemade, Ms. Rhutuja Vispute, Mr. Tanishk Jain	2023, 6 th International Conference on Advances in Science and Technology (ICAST-2023)	IEEE Digital Library	Dec. 8-9, 2023	Scopus Indexed
8	Exploring the integration of data analytics and Internet of Things IoT for smart decisionmaking in various industries	Dr. Milind Nemade, Mr. Nishant Moghe, Mr. Shubham Agarwal, Mr. Vedanshu Patel, Mr. Abhishek Khandge	2023, 6 th International Conference on Advances in Science and Technology (ICAST-2023)	IEEE Digital Library	Dec. 8-9, 2023	Scopus Indexed
9	Autonomous Capsule Maker and Filler	Dr. Milind Nemade, Mr. Dhananjay Dhutraj, Mr. Mayur Dikonda, Mr. Shlok Gokhale	2022 5th International Conference on Advances in Science and Technology (ICAST) 978-1-6654-9263-8/22/\$31.00 ©2022 IEEE	DOI: 10.1109/ICAST55766.2022.10039604, IEEE Digital Library	Dec. 2 nd -3 rd , 2022	Scopus Indexed
10	SIGN-UNITE ASL Detection using ML for DeafMute People Communication	Dr. Milind Nemade, Ms. Pranali Kale, Mr. Aditya Karia, Ms. Vedshri Majalkar	2022 5th International Conference on Advances in Science and Technology (ICAST) 978-1-6654-9263-	DOI: 10.1109/ICAST55766.2022.10039636	Dec. 2 nd -3 rd , 2022	Scopus Indexed

			8/22/\$31.00 ©2022 IEEE			
11	Performance evaluation of AudioWatermarking algorithms using DWT and LSFR	Mr. Ramesh Shelke, Dr. Milind Nemade	Springer Lecture Notes in Computational Vision and Biomechanics book series, Proceedings of the International Conference on ISMAC in Computational Vision and Bio-Engineering 2018 (ISMAC-CVB) pp 1857–1864	Electronic ISSN: 2212-9413, Print ISSN: 2212-9391	January 2nd, 2019	Scopus Indexed
12	Audio Encryption Algorithm using Modified Elliptical CurveCryptography and Arnold Transform for Audio Watermarking	Milind U. Nemade, Ramesh Shelke	IEEE's3rd International Conference for Convergence in Technology (I2CT) Pune (Conference ID 43278)	DOI: 10.1109/I2CT.2018.8529329, INSPEC Accession Number: 18233123 IEEE Digital Library	April 6-8,2018	Scopus Indexed
13	Efficient Method for Isolated Marathi Digits Recognition using DWT and Soft ComputingTechniques	Milind U. Nemadet, Atul Narkhede	Third International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU- 2018), Birla Institute of Applied Sciences Bhimtal, Nainital, Uttarakhand	Conference record number #42612#, DOI: 10.1109/IoT-SIU.2018.8519893, IEEE Digital Library, INSPEC Accession Number: 18202225	February 23-24, 2018	Scopus Indexed
14	Content-Based Audio Classification using Segmentation, MFCC Feature Extraction and Neural NetworkApproach	Milind U. Nemade, Nilesh M. Patil	Conference on Electrical, Electronics, Computers, Communication, Mechanical & Computing(EECCMC-2018)	https://www.academia.edu/40346313 , Priyadarshini Engineering College, Vellore, Tamil Nadu	January 28-29, 2018	--
15	Audio Signal Deblurring usingSingular Value Decomposition(SVD)	Milind U. Nemade, Nilesh M. Patil	IEEE International Conference On Power,Control, Signals And Instrumentation Engineering (ICPCSI-2017), Saveetha Engineering College, Thandalam, Chennai	DOI: 10.1109/ICPCSI.2017.8391912, INSPEC Accession Number: 17861094, pp 1272-1276	September 21-22, 2017	Scopus Indexed
16	Content Based Audio Classification and Retrieval: ANovel Approach	Milind U. Nemade, Nilesh M. Patil	International Conference on Global Trends in Signal Processing IEEE Conference Publication, Information Computingand Communication (ICGTSPICC),	INSPEC Accession Number: 16980444, DOI:10.1109/ICGTSPICC.2016.7955371, Link: https://ieeexplore.ieee.org/document/7955371/ , Pages 599-606	Dec.22-24, 2016	Scopus Indexed
17	Audio Watermarking Techniques for CopyrightProtection: A Review	Milind U. Nemade, R.D.Shelke	IEEE Conference Publication, International Conference on Global Trends in Signal Processing Information Computing and Communication (ICGTSPIC)	DOI:10.1109/ICGTSPICC.2016.7955379, INSPEC Accession Number: 16980375, Pages 634-640	Dec.22-24, 2016	Scopus Indexed

18	Isolated Digit Recognition Using Wavelet Transform and Soft Computing Technique: A Survey	Milind U. Nemade, Atul D. Narkhede	International Conference on Global Trends in Signal Processing Information Computing and Communication (ICGTSPICC), IEEE Conference Publication	DOI:10.1109/ICGTSPICC.2016.7955269, INSPEC Accession Number: 16980381, Pages 55-63	Dec.22-24, 2016	Scopus Indexed
19	Exploration of Real Time Speech Processing Strategies: A Review of Applications	Milind U. Nemade, Prof. Satish K. Shah	National Conference on Emerging Trends in Electronics and Telecommunication Engineering (ETETE)	Watumull Institute of Electronics Engineering and Computer Technology, Worli, Pages 205-208	Sept. 16-17, 2011	--
20	Indian languages Speech Processing by Rapid Match Technique	M. U. Nemade, Dr. R. D. Kanphade	International Conference and Workshop on Emerging Trends in Technology 2010(ICWET)	ISBN:978-1-60558-812-4, Thakur College of Engineering and Technology, Mumbai	February 26-27, 2010	--
21	Digital Signal Processing based Implementation of Auditory System Parameters	M. U. Nemade, Jaiprakash Rao, Amit Kumar Chouhan, Alisha Sheth	International Society of Science and Technology, Mumbai, National Conference on Emerging Technologies and Applications in Engineering and Science (NCETAES)	Saraswati College of Engineering, Kharghar, Navi Mumbai, Pages 44-49, ISSN: 0974-0678	February 3-4, 2011	--
22	Performance Evaluation In VoIP Network With Acoustic Echo Cancellation and Adaptive Wiener Filter	Milind U. Nemade, Jay Gandhi, Jaskirat Kaur Saini, Vishal Gaur	International Conference on New Development and Challenges in Engineering Technology and Management (ICNDCTM)	SES's Yadavrao Tasaonkar Group of Institutes, Bhivpuri Road, Karjat	March 22, 2012	--

• Journal Publications: 35

Sr. No.	Title of the paper	Authors	Name of the Journal	Indexing	ISSN	Vol.	Issue / No.	Page	Year	Impact factor
1	Validity of the Scale for Psychological Stress (SPS) for University Students: A Psychometric Evaluation	Amresh Shrivastava, Manjistha Datta, Avinash De Sousa, Omkar Nayak, Manushree Gupta, Dinesh Kumar Srivastava, Netra Shukla, Harsh Mange, Janak Limbachia, Sheetal Jagtap, Milind Nemade, Nilesh Shah	Open Journal of Psychiatry, Scientific Research Publishing	PubMed, SCIRP (DOI: 10.4236/ojpsych.2025.154022)	ISSN Online: 2161-7333, ISSN Print: 2161-7325	15	4	272-282	Jul. 28, 2025	--
2	Development and Validation of Novel Mental Health Assessment Scales for Students (MASS) in India	Amresh Shrivastava, Manjistha Datta, Avinash De Sousa, Omkar Nayak, Manushree Gupta, Dinesh Kumar Srivastava, Netra Shukla, Harsh Mange, Janak Limbachia, Sheetal Jagtap, Milind Nemade, Nilesh Shah	Open Journal of Psychiatry, Scientific Research Publishing	PubMed, SCIRP (DOI: 10.4236/ojpsych.2025.154025)	ISSN Online: 2161-7333 ISSN Print: 2161-7325	15	4	313-331	July 2025	--

3	A Study of Clinical Psychopathology of University Students Using Multidimensional, Digitalised Psychometric Tools in Mumbai	Amresh Shrivastava, Manjistha Datta, Avinash De Sousa, Omkar Nayak, Manushree Gupta, Dinesh Kumar Srivastava, Netra Shukla, Harsh Mange, Janak Limbachia, Sheetal Jagtap, Milind Nemade, Nilesh Shah	Open Journal of Psychiatry, Scientific Research Publishing	PubMed, SCIRP (DOI: 10.4236/ojpsych.2025154025)	ISSN Online: 2161-7333 ISSN Print: 2161-7325	15	4	256-271	July 2025	--
4	Student Mental Health Screening: A Multidimensional, Digital Approach for Facilitating Early Intervention	Amresh Shrivastava, Manjistha Datta, Avinash De Sousa, Omkar Nayak, Manushree Gupta, Dinesh Kumar Srivastava, Netra Shukla, Harsh Mange, Janak Limbachia, Sheetal Jagtap, Milind Nemade, Nilesh Shah	Journal of Psychiatry Research & Reports 2025: Research Article	Web of Science (DOI:10.52106/2771-1331.1021	3065-5501	2	2	1-8	2025	--
5	Exploring Resource Allocation Strategies in 5G Networks for Optimal Multimedia Delivery	Mrs. Tejashri Kolhe, 2. Dr. Mukesh Tiwari, 3. Dr. Milind Nemade	Library Progress International Journal	Scopus Elsevier, Double blind Reviewed	Online:23 20 317X	44	03	9060-9069	2024	5.968 (Cosmos)
6	A Novel QoE based SDN-Based Multipath Routing Approach using hybrid optimization algorithm enabled multi-media service in 5G	Mukesh Tiwari, Tejashri Kolhe, Milind Nemade	Journal of Computational Analysis and Applications (JoCAAA)	Elsevier Scopus	1521-1398, 1572-9206	33	07	644-650	2024	0.19
7	Optimizing Live Streaming Quality: A QOE-Aware Approach Using Edge Computing	Mrs. Tejashri Kolhe, Dr. Mukesh Tiwari, Dr. Milind Nemade	Journal of Electrical systems (JES)	Scopus, ISI Thomson Reuters	1112-5209	20	10s	6143-6165	2024	2.4
8	AcciSence-A Real Time Accident Detection and Emergency Response System	Milind Nemade, Yashvi Shah, Ruchira Patil	International Journal of Computer Science and Mobile Computing	UGC Approved, Open Access, ISI Indexed and Peer Reviewed Journal, Directory of Science Score of 9.67 and DRJI Value of 5.93	Online:23 20-088X,D OI Prefix from CrossRef: 1047760/i jesmc	13	Issue: 5	47-53	May 2024	7.056

9	SEMG Approach For Speech Recognition	Milind Nenade, Bhavesh Mhatre, Siddhesh Sisode, Sheetal Jagtap, Jeet Sikligar, Sushil Vishwakarma, Tupe Supriya	International Journal of Advanced Research in Computer Science, Paper ID: 6970	EBSCO HOST Ind ex Peer reviewed Journal, Copernicus, Open J Gate, Electronic Journal Library	E-ISSN: 0976-5697	14	Issue: 3	1-10	May-June 2023	Impact Factor SJIF = 7.146
10	A Pilot Study of Indian Ragas-Based Music Therapy for Enhancement of Chronic Patient Health Condition	Dr. Milind Nemade	Article Publication: Springer Link: Advances in Speech and Music Technology	Scopus Indexed, Springer Proceedings	ISBN: 978-981-33-6881-1	1320	--	pp 325-339	1 st June 2021	--
11	Efficient Field Monitoring Autonomous Drone (FMAD) with Pesticide sprayer and Anomaly detection in Crops	Milind U. Nemade, Saikat Duttaroy, Sushant Devgonde, Vivek Parmar, Deepak Gounder	International Research Journal of Engineering and Technology (IRJET)	UGC care peer reviewed Journal, Google Scholar, ICI, DRJI, CiteFactor	2395-0056	8	Issue:4	pp 2741-2746	April 2021	7.529
12	RPA Based Digital Marketing Robot	Mr. Shashank Karn, Mr. Sumit Chaurasia, Mr. Kedar Davate, Dr. Milind U. Nemade and Dr. Namrata F. Ansari	International Journal of Computer Engineering in Research Trends (IJCERT)	UGC Care listed Journal	2349-7084	6	Issue:4	2349-7084	May 12, 2019	6.569
13	Content Based Audio Classification and Retrieval using Segmentation, Feature Extraction and Neural Network Approach	Milind Nemade, Nilesh Patil	Springer Publication, Bangkok, Thailand of 3 rd International Conference on Computer, Communication and Computational Sciences (IC4S 2018)	Scopus Indexed Book Article publication by Springer Verlag, Singapore	978-981-13-861-5	924	--	pp 263-281	22 May 2019	--
14	Data Extraction Techniques for data on different environment: A Review	Milind Nemade, Bhavna Kamble, Vaishali Wadhe, Robonomics AI Private Limited	International Journal of Innovative Research in Science, Engineering and Technology (IJRSET)	Follow UGC Care norms, Peer-Reviewed, Refereed, Scholarly, Multidisciplinary and Open Access Journal Google Scholar, DRJI, ICI, OAJI, CiteFactor, Crossref etc	2319-8753, DOI: 10.15680/IJRSET.2019.080608	8	Issue:5	pp 7322-7331	May 2019	7.522

15	Digital Audio Watermarking Technique through Fused DWT & LSB Technique	Milind Nemade, Ramesh Shelke, Dilendra Kumar	International Journal of Engineering and Techniques (IJET)	Google Scholar, OAJI, Clarivate Analytics, CiteFactor, DRJI, ICI, ResearchID etc	2395-1303	5	Issue:3	pp 115-119	May-June 2019	3.546
16	DCT Application in Speech Recognition: A Survey	Atul Narkhede, Dr. Naveen Sen, Dr. Milind Nemade	International Journal of Engineering and Techniques	SJIF Journal Rank, Scholarly open access, peer reviewed international journal	2395-1303	5	Issue:4	-	2019	6.008
17	Detection, Classification and Localization of faults of Transmission Lines using Wavelet Transform and Neural Network	Nilesh S. Wani, Dr. R. P. Singh and Dr. Milind Uttam Nemade	International Journal of Applied Engineering Research	Scopus, EBSCO Host peer reviewed journal, Google Scholar, Journal Seek, J- Gate, ICI, Index Copernicus and UGC Approved Journal	0973-4562	Specia l Issue: 13	No.1	pp. 98-106	2018	--
18	Comparative Analysis of DWT & DCT Speech Features for Marathi Digit Recognition	Dr. Milind. U. Nemade, Mr. Atul D. Narkhede	International Research Journal on Advances in Computational Sciences and Technology (ACST), 1 st International Conference on Advances in Science and Technology, (ICAST - 2018)	Research India publication in EBSCOhost, GOOGLE Scholar, JournalSeek, ICI Index Copernicus	0973-6107 Online ISSN 0974-4738	Specia l Issue: 11	No.1	pp. 11-14	April 6-7, 2018	--
19	Smart Pick and Place Robotic Arm using Belt Drive	Dr. Milind U Nemade, Bharatesh Alman, Nikhil Anjane, Suyash Chavan, Pratik Chavan	International Journal of Computational Intelligence Research (IJCIR) in 1 st International Conference Advances in Science & Technology (ICAST-2018)	EBSCOhost, GOOGLE Scholar, JournalSeek, ICI Index Copernicus	0974-1259	Specia l Issue1 4	No.1	pp 76-78	April 6-7, 2018	--

20	Survey on Power Line Communication Modem	Dr. Milind U Nemade, Yashu Ishwar, Harshit Jani, Milind Godham, Rahul Baddi	International Research Publication on Advances in Wireless and Mobile Communications (AWMC) in 1 st International Conference Advances in Science & Technology (ICAST-2018)	Research India publication in Google Scholar, Journal Seek, EBSCO host, ICI, Index Copernicus	0973-6972	Special Issue 1	No.1	pp 14-18	April 6-7, 2018	--
21	Audio Classification using Segmentation, MFCC and PNN Classifier	Dr. Milind Nemade, Nilesh Patil	International Research Publication on Advances in Computational Sciences and Technology in 1 st International Conference Advances in Science & Technology (ICAST-2018)	Research India publication in UGC approved RI publications	0973-6107	11	No.1	pp 125-130	April 6-7, 2018	--
22	Power System Stability Analysis of SMIB with FOPID using Cuckoo Search Optimized Differential Evaluation	Atul M Gajare, Dr. R. P. Singh, Dr. M.U. Nemade	International Journal of Engineering and Technology (IJET)	UGC listed, Google Scholar, CrossRef, Open Journal Systems, Portico	ISSN: 2227-524X	7	2.17	5-12	2018	--
23	Power System Stability Analysis of SMIB using Artificial Bee Colony Optimization	Atul M Gajare, Dr. R. P. Singh, Dr. M.U. Nemade	International Journal of Engineering Research and Application (IJERA)	UGC, EBSCO, Google Scholar, ICI, DOAJ	2248-9622	8	1	17-24	January 2018	4.4
24	Music Genre Classification Using MFCC, K-NN and SVM Classifier	Milind U. Nemade, Nilesh Patil	International Journal of Computer Engineering in Research Trends (IJCERT)	GoogleScholar, OAII, Crossref	ISSN (Online):2349-7084	4	Issue:2	43-47	February-2017	Scientific Journal 6.549
25	Speech Recognition System for Blind People Using Raspberry Pi and Jasper Platform	Pradnya Jawale, Chirag Joshi, Dr. Milind Nemade	International Journal of Engineering Sciences and Research Technology (IJSERT)	UGC Indexed, Crossref, Researcher ID, Thomson Reuters	ISSN: 2277-9655	6	No.:5	598-603	May 25, 2017	4.116
26	A review Paper on Improving Security of ATM System	Milind Nemade, Laukik Karnavat, Prachi Dhuri, Ruchika Desure, Sejal Gandhi	International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)	Scopus, Google Scholar, BASE, Scilit, Dimensions	2321-8169 (Online)	4	Issue:3	33-36	March 2016	1.376

27	Zigbee based Smart Street Lighting System	Faiz A., Saima Khan, Aakash Jaiswar, Pooja Khiste, Milind Nemade	International Journal of Scientific & Engineering Research (IJSER)	Google scholar, open access peer review scholarly journal	2229-5518	7	Issue:2	41-43	Feb.2016	3.8
28	Review of Voice Interface and GPS based Blind Man's Stick for Visually Impaired People	Milind U. Nemade, Shriya Tawarawala, Komal Vageria and Dinkal Solanki	International Journal of Research in Applied Science & Engineering Technology (IJRASET)	UGC Care, AICTE, SCI, WoS, ScopusJournal	2321-9653	2	Issue:10	165-169	October 2014	1.214
29	Wireless Sensor Networks in Security Systems-A Review	Milind U. Nemade, Vishal Singh, Pulkit Tripathi, Shoeb Sayad Ahemad and Harsh Thakker	International Journal of Computer & Electronics Research (IJCER)	Index Copernicus International(ICI)	2320-9348	3	--	256- 261	October 2014	1.757
30	Real Time Speech Recognition Using DSK TMS320C6713	Milind U. Nemade, Prof. Satish K. Shah	International Journal of Advance Research in Computer Science and Software Engineering (IJARCSSE)	ICI, Citefactor, ARI Research Bible, GIF	2277-128X	4	Issue:1	461- 469	January 2014	2.080
31	Speech Enhancement Techniques: Quality vs. Intelligibility	Milind U. Nemade, Prof. Satish K. Shah	International Journal of Future Computer and Communication (IJFCC)	EBSCO, IET Inspec, Crossref, Google Scholar	2010-3751	3	No:3	216-221	2014	2.293
32	Beamforming based Speech Recognition using Genetic Algorithm for Real Time Systems	Milind U. Nemade, Prof. Satish K. Shah	International Journal of Recent Technology and Engineering (IJRTE)	Scilit, Crossref, Google Scholar	2277-3878	2	Issue:2	96-104	May2013	1.131
33	Survey of Soft Computing based Speech Recognition Techniques for Speech Enhancement in Multimedia Applications	Milind U. Nemade, Prof. Satish K. Shah	International Journal of Advance Research in Computer and Communication Engineering (IJARCCE)	Google Scholar, Crossref, Peer Reviewed, DOI: 10.17148/IJARCCE	2278-1021, DOI: 10.17148/IJARCCE	2	Issue:1	2039-2043	April2013	2.080
34	Performance comparison of Single Channel Speech Enhancement Techniques for Personal Communication	Milind U. Nemade, Prof. Satish K. Shah	International Journal of Innovative Research in Computer and Communication (IJIRCCE)	UGC approval, Peer reviewedJournal	2320-9801	1	Issue:1	67-76	March 2013	1.386
35	Improvement in Speech Recognition Performance using Beamforming based Speech Enhancement	Milind U. Nemade, Prof. Satish K. Shah	International Journal of Electronics Communication and Computer Engineering (IJECCCE)	Google Scholar, ICI, DOAJ, Cite Factor	2249-071X	3	Issue:4	745-751	July2012	1.0909

Books / Articles publications:

ISBN/Without ISBN No.	Book Title	Chapter/Textbook	Publisher	Year
ISBN No: 978-3-030-00664-8	Proceedings of International Conference on ISMAC in Computational Vision and Bio Engineering 2018	Chapter on Performance Evaluation of Audio Watermarking Algorithms Using DWT and LFSR	Springer	May16-17,2018
Without ISBN No.	Digital Computer Fundamentals	Textbook	Vipul Prakashan, Girgaon, Mumbai	2005
	Computer Organization and Architecture	Textbook		2003
	Filter Theory	Textbook		1999 (First Edition), 2001(Second Edition), 2003(Third Edition)
	Principles of Computer Engineering	Textbook		1998

Professional Society Membership:

- **Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), Membership No: 100415835.**
- **Fellow Member of Institute of Electronics and Telecommunication Engineers (FIETE), Membership No: F-177694.**
- **Academic Professional Member of Society for Data Science (S4DS), Membership No: S4DS-APM-2022-00083 and S4DS-APM-2022-00083 for the year 2024.**
- **Life Member of Indian Society for Technical Education (LMISTE), India, Membership No: LM 37688.**
- **Associate Member of Institute of Engineers (AMIE), Membership No: AM 092536-8, membership renewed to Fellow membership in the year 2014.**
- **Member of the Institution of Engineering and Technology (MIET), Membership No: 1100331897 (for 2 years 2014-15).**

Participation in HAM (Amateur Radio Operator) radio Event:

- Participated in 5th Lamakaan Annual Radio Convention held on Dec. 10-11, 2022, organized by Lamakaan Amateur Radio Club in association with M.J. College of Engineering and Technology, Hyderabad.
- Passed HAM Restricted grade Amateur License Exam organized by WPC Mumbai.

Executive Committee Member of IETE Mumbai Section:

- IETE Mumbai Centre co-opted as a member of Executive Committee 2024-25 of IETE Mumbai centre, in the 1st EC meeting held on 12th July 2024.

Evaluated PhD Thesis:

- Evaluated PhD thesis of Mr. Anand Pravinbhai Mankodia (Faculty of Engineering and Technology) titled “Development of soft segmentation algorithm for Video Summerization at Ganpat University Ahemdabad in Nov. 2015
- Evaluated PhD thesis of Ms Bijal Talati (Faculty of Technology and Engineering) titled “A Novel Approach for Malignancy Detection using Soft Computing” at C.U.Shah University Wadhwanicity, Gujarat in Sept. 3, 2019.
- Evaluated PhD thesis of Shri Haresh A. Suthar (Faculty of Engineering and Technology) titled “Multiobjective Optimization of 2DOF Controller Using Evolutionary and Swarm Intelligence” at M. S. University of Baroda in Nov.22, 2019.
- Appointed as committee member for evaluation of PhD Research progress work of Ms. Monika Ingale of St. Francis Institute of Technology, Borivali, Mumbai (Title of work: Performance Enhancement of Graphene Based Speaker for Hearing Aids) on January 31, 2022, March 20, 2023.

Session Chair /Track Coordinator for International Conference:

- Invited as session chair for International Conference on Advancement in Communication & Computing in Technology (INOACC-2025) organized by Sai Vidya Institute of Technology, Bengaluru, India during April 4-6, 2025.
- Attended First conference of Lincoln Global Postdoctoral Research January 2025 batch organized by Lincoln University College, Kuala Lumpur, Malaysia.
- Invited as session chair for International Conference on Emerging Technologies (INSET 2021) organized by Jain College of Engineering Belagavi, Bangalore on 22nd May 2021.

- Invited as Track coordinator for International Conference on Advances in Science and Technology (ICAST) for three conferences from 2018 till date in K. J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai.
- Invited as session chair for International Conference on Emerging Trends in Computing and Communication (ICETCC-17) on 12th Jan. 2017.

Board Member/Reviewer/ Technical Consultant:

- Appointed as **Technical Consultant** by **Applied Digital Microsystem Pvt. Ltd.** Mumbai for the year 2013
- Appointed as **Reviewer** for International Journal on Speech Technology (IJST). The International Journal of Speech Technology focuses on speech technology and its applications.
- Appointed as **Reviewer** for International Conference on Global Trends in Signal Processing, Information Computing and Communication (ICSPICC) organized by SSBT College of Engineering and Technology Bambhori Jalgaon during December 22-24, 2016.
- Appointed as **Editorial Board Member** of the **IJAFCR Journal** Approved by governing body of the International Journal of Advance Foundation and Research in Computer (IJAFCR), ISSN: 2348-4853, Member Ship No: IJAFCR -E011.
- Appointed as **Technical Program Committee member** for 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017) on January 27-28, 2017.
- Appointed as **Reviewer** for International Conference on Wireless Communication (ICWiCOM-2019) organized by D. J. Sanghavi College of Engineering, Vile Parle, Mumbai during Oct. 11-12, 2019.
- Appointed as **Reviewer** for International Conference on Innovative Technology for Humanity (IEEE PuneCon 2019) organized by MIT World Peace University Pune on December 18-20, 2019.
- Appointed as **Editorial Manager** for Springer Nature Journal on Multimedia Tools and Applications on 4th Nov.2019.(Email received from Journal)
- Appointed as a **Reviewer** in the second International Conference on Automation, Computing and Communication (ICACC-2022), organized by RAIT, D.Y. Patil Deemed to be University, Navi Mumbai during April 07,2022 to April 08, 2022.
- Appointed as a **Reviewer** in the sixth International Conference on advances in science and technology, organized by K. J. Somaiya Institute of Technology Sion, Mumbai in association with University of Mumbai and technically co-sponsored by IEEE Bombay Section on Dec. 8-9, 2023.
- Appointed as a **Reviewer** in the eighth International Conference on data management, analytics and innovation, organized by Vellore Institute of Technology in association with Society for Data Science during January 19-21, 2024.
- Appointed as a **Technical Reviewer** in IEEE International Conference on Augumented Reality, Intelligent Systems, and Industrial Automation (ARIIA-2024) organized by Manipal Institute of Technology, Manipal, India during December 20-21, 2024.
- Appointed as a **Reviewer** in the First International Conference on sustainable computing and Intelligent Systems (ICSCIS-2025), organized by Research and Development Cell of Poornima University, Jaipur Rajasthan, India during March 21-22, 2025.

Resource Faculty in Orientation Program/Guest Lecture:

- Invited as a *resource faculty for Orientation Program* of Digital Electronics for Semester III Electronics and Telecommunication branch on behalf of University of Mumbai in Auditorium at *K. J. Somaiya Institute of Engineering and Information Technology*, Sion, Mumbai on 9th July 2013.
- Invited as a *resource faculty for Orientation Program* on Microcontrollers and Applications of Semester- V Electronics and Telecommunication branch on behalf of University of Mumbai in *Saraswati College of Engineering, Kharghar*, Navi Mumbai on 10th July 2014.
- Invited as a *resource faculty for Orientation Program* on Digital System Design- of Semester-III Electronics and Telecommunication branch on behalf of University of Mumbai in *K. J. Somaiya Institute of Engineering and Information Technology* Sion, Mumbai on 20th July 2017.
- Invited as a *resource faculty for Orientation Program* on Digital System Design of Semester-IV Electronics branch on behalf of University of Mumbai in *Ramrao Adik Institute of Technology Nerul*, Navi Mumbai on 25th January 2018.

- Invited as a *resource faculty for Guest Lecture* on topic "Introduction to Data Compression" at *St. John College of Engineering and Management, Palghar* on 6th Oct. 2017 from 11PM to 1PM. Total 105 students of TE and BE EXTC were attended it.

LIC Committee Member of UoM:

- Attended LIC visit at Universal College of Engineering for continuation of affiliation from 2020-21 to 2023 as issued letter by UoM on July 1, 2022.
- Attended LIC visit at Vidyalankar Institute of Technology Wadala, Mumbai for reduction of student intake for ME Computer and EXTC programs as issued letter by UoM on May 17, 2024.
- Attended LIC visit at Xavier Institute of Technology Mahim, Mumbai for continuation of affiliation as issued letter by UoM May 5, 2017.

Board of Studies/ Academic Council Member:

- Appointed as **Board of Study** member of *Department of Electronics and Computer Science* Pillai HOC College of Engineering and Technology, Khalapur, Raigad
- Appointed as **Board of Study** member of in *Information Technology and Data Science* in Valia C.L. College of Commerce and Valia L.C College of Arts, Andheri West, Mumbai.
- Appointed as **Board of Study** member of *Electronics Engineering* in *University of Mumbai* in the year 2023.
- Thakur College of Engineering and Technology appointed **Board of Studies member for Electronics and Telecommunication Engineering** Department on April 18, 2019.
- Nomination as a **member on Academic Council** being Head as Department of Artificial Intelligence and Data Science in K.J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai.
- Nomination as a **member on Academic Council** being Head as Department of Electronics Engineering in K.J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai.
- Chairman on **Board of Studies in Electronics Engineering** Department from 30th April 2021 in K.J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai.
- Chairman on **Board of Studies in Artificial Intelligence and Data Science Department** from 30th April 2021 in K.J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai.
- Appointed as **Advisory Council Member** by Applied Digital Microsystem Pvt. Ltd. Mumbai for the year 2015.
- Appointed as **Member of Advisory Committee** for **Justevents4u** technology platform for conference, workshops, exhibition, college fests, researcher's forum and competition organizers and its promotion.

Faculty Development Program/Short Term Training Program:

- Attended 25 FDP/STTP on different topics

LY Engineering Projects Guided:

- Guided more than 30 undergraduate projects (BE) on different topics till date

Personal Information:

Name	Dr. Milind Uttam Nemade
Date of Birth	08 th February 1974
Place of Birth	Jalgaon (Maharashtra)
Marital Status	Married
Languages	Marathi, Hindi, English and Gujarati

References:

Dr. S.G.Bhirud	Designation: Vice Chancellor, COEP Technological University Pune Mobile No: +91-9911117297
Dr. R. N. Awale	Designation: Professor & TEQIP-II Cordinator, Faculty Incharge Finance, VJTI , Mumbai.

Email ID: rnavale@el.vjti.ac.in
Mobile No: +91-9167218583

Prof. S. K. Shah

Designation: Retired Professor, Department of Electrical Engineering.

Organization: Faculty of Technology and Engineering, M. S. University of Baroda, Gujarat

Email ID: satishkshah_2005@yahoo.com

Mobile: +91-265-9974177364



Dr. M. U. Nemade