

RESUME



Name: Dr. Milind Uttam Nemade

Highest Qualification: Ph.D. (Specialization in Speech Processing)

Current Position Head and Professor in Electronics Engineering,
Head of Artificial Intelligence and Data Science
Department

Residential Address: 603, 'A' Wing, Yash Residency,
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Religion: Hindu

Academics:

Qualification	Specialization/Title	Board/University	Year of Passing	Percent age (%)	Class
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
HSC	Science	K. Narkhede Vidyalaya, Bhusawal, Pune Board	1991	66.50	First Class
SSC	Science	D.S. High School, Bhusawal, Pune Board	1989	77.85	First Class with Distinction

Teaching Experience:

Total Teaching Experience: 23 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 Engineering and Information 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	05 th January 2016
	Electronics	Professor	University Approval No: CONCOL/ICD/2015-16/47335 Date: 09/03/2016. Approval considered from 06-01-2016	06 th January 2016	Till date

Administrative Experience: 16 Years

College Name	Post	Date		Department
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	03 rd 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	Till date	Electronics Engineering
	Head of Department	30 th April 2021	Till date	Artificial Intelligence and Data Science

PG Recognition:

University	Degree / Course	University Approval Date and No.	Approval Valid from
Mumbai	ME Electronics and Telecommunication Engineering	PG/I.C.D./2012-13/19108 dated 16 th January 2013	19 th Nov. 2012
	ME Electronics Engineering	PG/I.C.D/2013-14/44822 dated 15 th June 2013	27 th May 2013

PhD Guidance to Student: 05

Five students completed PhD under my guidance, *three students* from Pacific University Udaipur, Rajasthan and *two students* from Sri Satya Sai University of Technology and Medical Sciences, Sehore (MP). I worked as PhD co-supervisor for the interdisciplinary topics of engineering.

Sr. No.	Name of the student	Topic of research	University	Date of registration	Date of declaration of degree
1	Mr. Nilesh Patil	Content based audio classification and retrieval using segmentation, feature extraction and neural network approach	Pacific University, Udaipur Rajasthan	March 2016	July 30, 2019
2	Mr. Ramesh Shelke	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	Sri Satya Sai University of Technology and Medical Sciences, Sehore (MP)	Sept. 28, 2015	June 16, 2020
5	Mr. Nilesh Wani	Investigation on Transmission Line Fault Detection Using Soft Computing		Sept. 28, 2015	

PhD Guide Recognition:

- Recognized as a teacher of the **University of Mumbai** for the PhD (Tech.) Degree in **Electronics and Telecommunication** with effect from 25th May 2015. Letter No: PG/I.C.D./2015-16/454, Mumbai 400032 dated 12th June 2015.
- Recognized as a teacher of the **University of Mumbai** for the PhD (Tech.) Degree in **Electronics Engineering** with effect from 16th May 2015. Letter No: PG/I.C.D./2015-16/280, Mumbai 400032 dated 20th May 2015.
- Recognized as PhD Supervisor of **Pacific University Udaipur, Rajasthan**. Letter No: PAHERU/DPGS/2014/3095-3096 dated 16th Oct 2014.

Patents: Granted: 01 Published:05,

Agency	Patent/Application Number	Date of publication	Title of Invention	Field of Invention
Australian Government IP Australia	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	201921008051	15 th March 2019	USB Security:4.0	Computer Science
	201921009034	22 nd March 2019	ELITOP	Computer Science
	201921008860	29 th March 2019	Low cost automated Urinal Water flush system for water conservation	Civil
	201921017154	17 th May 2019	Arduino based Auto Defrost System (AADS)	Mechanical Engineering
	201921037561	11 th Oct 2019	Smart Electric Locomotive Wheelchair for disabled (SELWD)	Bio-Medical Engineeri

PhD Details:

Title: Development Simulation and Implementation of New Strategies based on Soft Computing for Real Time Speech Processing in Multimedia Applications.

University: Maharaja Sayajirao University of Baroda, Gujrat

Year: 2014

Achievements:

a) Awards:

1. 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
2. Received “**Best Researcher Award 2020**” award in 10th International Scientist Awards on Engineering, Science and Medicine, Hyderabad, India on Sept. 26-27, 2020.
3. Received “**Best Teacher Award 2020**” award by InSc Institute of Scholar in recognition of valuable contribution to the academic committee and students.

b) Research Projects:

Sr. No	Name of Researcher	Project Title	Project No	Year	Sponsored By	Amount Sanctioned
01	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
02	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
03	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
04	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
05	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
06	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
07	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

08	Dr. M. U. Nemade (Principal Investigator)	SPS and Ultrasonic Transceiver enabled Wearable Device with Heart Rate Monitor for Sailors in Marine Environment	372	2015-16	University of Mumbai	Rs. 50000
09	Mr. Pankaj Deshmukh (Principal Investigator) Dr. M.U.Nemade (Co Investigator)	Audio Deblurring & Watermarking using Singular Value Decomposition	409	2017-18	University of Mumbai	Rs. 30000
10	Dr. M. U. Nemade (Principal Investigator)	Effect of listening to Indian raga on attention and concentration in healthy college students	1057	2019-20	University of Mumbai	Rs. 35000

c) Appreciation Letter:

- Received appreciation letter from Dr. R. K. Prasad, Principal, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai on 31st Oct. 2008.
- Received appreciation letter from Dr. Jayshri Khanapuri, HOD EXTC, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai in recognition of highest result for subject "Signal and Systems" for academic year 2015-16.
- Received appreciation letter from Dr. S. K. Ukarande, Principal, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai in recognition of highest result for subject "Data Compression and Encryption" for academic year 2016-17.
- Received appreciation letter in recognition of highest result for subject "Digital Communication" for academic year 2017-18.
- Received appreciation letter from Dr. S. K. Ukarande, Principal, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai in recognition for organizing committee member of 1st International Conference on Advances in Science and Technology dated April 6-7, 2018.
- Received letter of appreciation from Dr. S.G. Kirloskar for recognition of hard work and lasting contribution to organizes one week ISTE approved STTP on "Neural Network and Fuzzy Systems" on January 4-8, 2010.
- Received letter of appreciation from Dr. S.G. Kirloskar for recognition of hard work and lasting contribution to organizes one week ISTE approved STTP on "Research Methodology and Related Open Source Tools" on December 17-21, 2012.
- Received letter of appreciation from Dr. S. K. Ukarande for contribution as a Judge for KJSIEIT Campus Hackathon conducted on January 17, 2020.
- Received letter of appreciation from Dr. S. D. Deshmukh HOD EXTC of Rajiv Gandhi Institute of Technology Andheri, Mumbai for conducting External Academic Audit in the Department of Electronics and Telecommunication Engineering on July 19, 2019.
- Received appreciation letter from Dr. S. K. Ukarande, Principal, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai

in recognition for organizing committee member of 1st International Conference on Advances in Science and Technology of work performance for academic year 2018-19 on Oct. 12, 2019.

d) Research Publications (Conferences/ Journals)

Conference Papers: Total 17 nos. (National: 02, International:15)

1. Milind Nemade, Nilesh Patil, "**Content Based Audio Classification and Retrieval using Segmentation, Feature Extraction and Neural Network Approach**", *3rd International Conference on Computer, Communication and Computational Sciences (IC4S 2018)*, Springer Publication, Bangkok, Thailand, ISSN: 21945357, E-ISSN-21945365, October 20-21, 2018. **(Scopus Indexed)**
2. Dr. Milind Nemade, Nilesh Patil, "**Audio Classification using Segmentation, MFCC and PNN Classifier**", *Advances in Computational Sciences and Technology (ACST), 1st International Conference Advances in Science & Technology (ICAST-2018)*, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, Vol. 11, Issue 1 (Special Issue), ISSN: 0973-6107, pp. 125-130. April 6-7, 2018.
3. Dr. Milind U Nemade, Yashu Ishwar, Harshit Jani, Milind Godham, Rahul Baddi, "**Survey on Power Line Communication Modem**", *Advances in Wireless and Mobile Communications (AWMC), 1st International Conference Advances in Science & Technology (ICAST-2018)*, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, Vol 11, Number 1 Special Issue, pp 14-18, April 6-7, 2018.
4. Dr. Milind U Nemade, Bharatesh Alman, Nikhil Anjane, Suyash Chavan, Pratik Chavan, , "**Smart Pick and Place Robotic Arm using Belt Drive**", *International Journal of Computational Intelligence Research (IJCIR), 1st International Conference Advances in Science & Technology (ICAST-2018)*, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, Volume 14, Issue 1 (2018) pp 76-78, April 6-7, 2018.
5. Milind U. Nemade, Ramesh Shelke, "**Performance Evaluation of Audio Watermarking Algorithms using DWT and LFSR**", *International Conference on ISMAC in Computational Vision and Bio Engineering (2018 ISMAC-CVB)*, All registered papers will be published in Springer - Lecture Notes in Computational Vision and Biomechanics. Print ISBN: 978-3-030-00664-8, Electronic ISBN: 978-3-030-00665-5, https://doi.org/10.1007/978-3-030-00665-5_170, May 16-17, 2018. **(Scopus Indexed)**
6. Dr. Milind. U. Nemade, Mr. Atul D. Narkhede, "**Comparative Analysis of DWT & DCT Speech Features for Marathi Digit Recognition**", *Advances in Computational Sciences and Technology (ACST), 1st International Conference on Advances in Science and Technology, (ICAST - 2018)*, K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, Paper ID EEEXTC10, Vol. 11, Issue 1 (Special Issue), ISSN: 0973-6107, pp. 11-14, April 6-7, 2018.
7. Milind U. Nemade, Ramesh Shelke (2018), "**Audio Encryption Algorithm using Modified Elliptical Curve Cryptography and Arnold Transform for Audio Watermarking**", *IEEE's 3rd 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)**
8. Milind U. Nemadet, Atul Narkhede, (2018), "**Efficient Method for Isolated Marathi Digits Recognition using DWT and Soft Computing Techniques**", *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**)
9. Milind U. Nemade, Nilesh M. Patil, (2018), "**Content-Based Audio Classification using Segmentation, MFCC Feature Extraction and Neural Network Approach**", 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.
 10. Nilesh S. Wani, Dr. R. P. Singh and Dr. Milind Uttam Nemade, "**Detection, Classification and Localization of faults of Transmission Lines using Wavelet Transform and Neural Network**", Volume 13, Number 1, ISSN: 0973-4562, pp 98-106, <http://www.ripublication.com> 2018.
 11. Milind U. Nemade, Nilesh M. Patil, (2017), "**Audio Signal Deblurring using Singular Value Decomposition (SVD)**", 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**)
 12. Milind U. Nemade, Nilesh M. Patil, "**Content Based Audio Classification and Retrieval: A Novel Approach**", *International Conference on Global Trends in Signal Processing Information Computing and Communication (ICGTSPICC)*, IEEE Conference Publication, **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**)
 13. Milind U. Nemade, R.D.Shelke, "**Audio Watermarking Techniques for Copyright Protection: A Review**", *International Conference on Global Trends in Signal Processing Information Computing and Communication (ICGTSPICC)*, IEEE Conference Publication, DOI:10.1109/ICGTSPICC.2016.7955379, **INSPEC Accession Number:** 16980375, Pages 634-640, Dec.22-24, 2016. (**Scopus Indexed**)
 14. Milind U. Nemade, Atul D. Narkhede, "**Isolated Digit Recognition Using Wavelet Transform and Soft Computing Technique: A Survey**", *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**)
 15. Milind U. Nemade, Prof. Satish K. Shah, "**Exploration of Real Time Speech Processing Strategies: A Review of Applications**", *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.
 16. M. U. Nemade, Dr. R. D. Kanphade, "**Indian languages Speech Processing by Rapid Match Technique**", *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.
 17. M. U. Nemade, Jaiprakash Rao, Amit Kumar Chouhan, Alisha Sheth, "**Digital Signal Processing based Implementation of Auditory System Parameters**", *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.

1. Milind U. Nemade, “**A Pilot Study of Indian Ragas based Music Therapy for Enhancement of Chronic Patient Health Condition**”, 25th International Symposium on Frontiers of Research in Speech and Music (FRSM 2020), National Institute of Technology Silchar, Assam, India, Springer publication (Paper ID:38) **08-09 October 2020**.
2. Milind U. Nemade, Saikat Duttaroy, Sushant Devgonde, Vivek Parmar, Deepak Gounder “**Efficient Field Monitoring Autonomous Drone (FMAD) with Pesticide sprayer and Anomaly detection in Crops**” International Research Journal of Engineering and Technology (IRJET), UGC Care Journal, e-ISSN-2395-0056, p-2395-0072, Impact factor:7.529, Vol 8, Issue 4, April 2021.
3. Milind Nemade, Ramesh Shelke, Dilendra Kumar, “**Digital Audio Watermarking Technique through Fused DWT & LSB Technique**”, *International Journal of Engineering and Techniques(IJET)*, <http://www.ijetjournal.org/volume5/issue3/IJET-V5I3P17.pdf>, IF: 3.546, ISSN: 2395-1303, Volume 5 Issue 3, pp 115-119, May- June 2019.
4. Milind Nemade, Bhavna Kamble, Vaishali Wadhe, Robonomics AI Private Limited, “**Data Extraction Techniques for data on different environment: A Review**”, *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)*, IF: 7.522, ISSN (Online): 2319-8753, ISSN (Print): 2347-6710, Vol. 8, Issue 5, pp 7322-7331, May 2019.
5. Dr. Milind Nemade, Mr. Shashank Karn, Mr. Sumit Chaurasia, Mr. Kedar Davate, Dr. Namrata Ansari, Robonomics AI India Private Limited, “**RPA Based Digital Marketing Robot**”, *International Journal of Computer Engineering in Research Trends (IJCERT)*, IF: 6.549, Volume-5, Issue-1, 2018 Regular/Special Edition E-ISSN: 2349-7084, 5(1):pp:441-443, May 12, 2019.
6. Dr. Milind U. Nemade, Mr. Nilish.S.Wani, Dr. R. P. Singh, “**Detection, Classification and Localization of Faults of Transmission Lines using Wavelet Transform and Neural Network**”, *International Journal of Applied Engineering Research (IJAER)*, ISSN 0973-4562 Volume 13, Number 1, pp. 98-106, 2018.
7. Dr. M.U. Nemade, Atul M Gajare, Dr. R. P. Singh, "**Power System Stability Analysis of SMIB with FOPID using Cuckoo Search Optimized Differential Evaluation**" *International Journal of Engineering and Technology (IJET)*, Special issue 17-Article, Vol. 7, No. 2.17(2018), pp 5-12, 2018. (Scopus Indexed)
8. Dr. M.U. Nemade, Atul M Gajare, Dr. R. P. Singh, "**Power System Stability Analysis of SMIB using Artificial Bee Colony Optimization**" *International Journal of Engineering Research and Application (IJERA)*, ISSN:2248-9622, Vol.8, Issue 1, pp. 17-24, January 2018. ICI Indexed 2018; 8 (1) : 17-24; DOI: 10.9790/9622-0801031724
9. Milind U. Nemade, Nilesh Patil, “**Music Genre Classification Using MFCC, K-NN and SVM Classifier**”, *International Journal of Computer Engineering in Research Trends (IJCERT)*, Paper ID:40130102-156, Impact Factor:4.029, ISSN(O):2349-7084, Volume 4, Issue 2, Pages.43-47, February-2017.
10. Dr. Milind Nemade, Pradnya Jawale, Chirag Joshi, "**Speech Recognition System for Blind People Using Raspberry Pi and Jasper Platform**", *International Journal of Engineering Sciences and Research Technology (IJESRT)*, Impact Factor 4.116, ISSN: 2277-9655, Research ID Thomson Reuters, Pages 598-603. doi:10.5281/zenodo.165631, May 25, 2017.
11. Milind Nemade, Laukik Karnavat, Prachi Dhuri, Ruchika Desure, Sejal Gandhi, "**A review Paper on Improving Security of ATM System**", *International*

- Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)*, ISSN:2321-8169, Volume: 4, Issue:3, Pages 33-36, March 2016.
12. Milind Nemade, Faiz A., Saima Khan, Aakash Jaiswar, Pooja Khiste, "**Zigbee based Smart Street Lighting System**", *International Journal of Scientific & Engineering Research (IJSER)*, Impact factor:3.8, ISSN 2229-5518, Pages 41-43, Volume 7, Issue 2, February 2016.
 13. Milind U. Nemade, Shriya Tawarawala, Komal Vageria and Dinkal Solanki, "**Review of Voice Interface and GPS based Blind Man's Stick for Visually Impaired People**", *International Journal of Research in Applied Science & Engineering Technology (IJRASET)*, Impact Factor:1.214, Paper Id: 1079, ISSN No. 2321-9653, Pages 165-169, Volume 2, Issue-X, October 2014.
 14. Milind U. Nemade, Vishal Singh, Pulkit Tripathi, Shoeb Sayad Ahemad and Harsh Thakker, "**Wireless Sensor Networks in Security Systems-A Review**", *International Journal of Computer & Electronics Research (IJCER)*, Impact Factor:1.757, e-ISSN:2278-5795, p-ISSN: 2320-9348, Pages 256-261, Volume 3, Issue No.5, October 2014.
 15. Milind U. Nemade, Prof. Satish K. Shah, "**Real Time Speech Recognition Using DSK TMS320C6713**", *International Journal of Advance Research in Computer Science and Software Engineering (IJARCSSE)*, Impact Factor: 2.080, Paper ID: V4I1-0400, ISSN: 2277128X, Volume 4, Issue 1, Pages 461-469, January 2014.
 16. Milind U. Nemade, Prof. Satish K. Shah, "**Speech Enhancement Techniques: Quality vs. Intelligibility**", *Fourth International Conference on Electronics Computer Technology (ICECT)*, Kanyakumari, India, Paper ID: E2121, *International Journal of Future Computer and Communication (IJFCC)*, ISSN: 2010-3751, DOI: 10.7763/IJFCC, International Association of Computer Science and Information Technology Press (IACSIT Press), Pages 216-221, Volume 3, No.3, 2014.
 17. Milind U. Nemade, Prof. Satish K. Shah, "**Beamforming based Speech Recognition using Genetic Algorithm for Real Time Systems**", *International Journal of Recent Technology and Engineering (IJRTE) in Computer and Communication Engineering (IJARCCE)*, Impact Factor: 1.131. Paper ID: B0618052213, ISSN: 2231-2307, Volume 2, Issue 2, Pages 96-104, May 2013.
 18. Milind U. Nemade, Prof. Satish K. Shah, "**Survey of Soft Computing based Speech Recognition Techniques for Speech Enhancement in Multimedia Applications**", *International Journal of Advance Research in Computer and Communication Engineering (IJARCCE)*, Impact Factor: 2.080. Paper ID: V25105, Certificate No:V215C008-1/2, ISSN (online): 2278-1021, ISSN(Print):2319-5940, Volume 2, Issue 5, Pages 2039-2043, April 2013.
 19. Milind U. Nemade, Prof. Satish K. Shah, "**Performance comparison of Single Channel Speech Enhancement Techniques for Personal Communication**", *International Journal of Innovative Research in Computer and Communication (IJIRCCE)*, Impact Factor: 1.386. Paper ID: V1I10C042, ISSN (online): 2320-9801, ISSN(Print):2320-9798, Volume 1, Issue 1, Pages 67-76, March 2013.
 20. Milind U. Nemade, Prof. Satish K. Shah, "**Improvement in Speech Recognition Performance using Beamforming based Speech Enhancement**", *International Journal of Electronics Communication AND Computer Engineering (IJECCCE)*, Impact Factor: 1.0909. Paper ID: 730. ISSN: 2249-071X, Volume 3, Issue 4, Pages 745-751, July 2012.
 21. Milind U. Nemade, Jay Gandhi, Jaskirat Kaur Saini, Vishal Gaur, "**Performance Evaluation In VoIP Network With Acoustic Echo Cancellation and Adaptive Wiener Filter**", *International Conference on New Development and Challenges in Engineering Technology and Management (ICNDCETM)*, SES's Yadavrao Tasgaonkar Group of Institutes, Bhivpuri Road, Karjat, March, 22, 2012.

e) **Board of Studies/ Academic Council Member:**

- Thakur College of Engineering and Technology appointed Board of Studies member for EXTC 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.

f) **Editorial Board Member/Reviewer/ Technical Consultant:**

- Appointed as *Editorial Board Member* of the IJAFRC Journal Approved by governing body of the International Journal of Advance Foundation and Research in Computer (IJAFRC), ISSN: 2348-4853, Member Ship No: IJAFRC –E011.
- 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.
- Appointed as *Advisory Board Member* by Editorial board of TechnoVision research article publishing magazine of K.C. College of Engineering and Management Studies and Research.
- Appointed as *Technical Consultant* by Applied Digital Microsystem Pvt. Ltd. Mumbai for the year 2013
- Appointed as *Advisory Council Member* by Applied Digital Microsystem Pvt. Ltd. Mumbai for the year 2015
- 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 *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.
- g) External Academic Auditor:**
- Appointed as external academic auditor for the academic year 2018-19 on 19th July 2019 by Rajiv Gandhi Institute of Technology Versova, Andheri (W), Mumbai
- h) BE Projects Guided:**
- Guided 28 undergraduate projects (BE) on different topics till date.
- i) 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.
- j) Member of Syllabus Revision Committee of University of Mumbai:**
- Member of Syllabus Revision Committee of University of Mumbai revised syllabus of Digital System Design for Semester-III Electronics and Telecommunication Course, Digital Circuit Design for Semester-III and Digital System Design of Electronics Engineering Course for the Academic Year 2017-18.
- k) Member of Result Moderation Committee Member of University of Mumbai:**
- Member of RMC of University of Mumbai since 2017 till date for moderation of SE and TE results of Electronics and Electronics and Telecommunication Engineering branches of University of Mumbai.
- l) Member of Vigilance Squad of University of Mumbai:**
- Appointed as member of Vigilance Squad to pay surprise visits to the Examination Centers in Zonal Area Thane to Karjat for First Half and Second Half of 2016 Examination.

m) ME Dissertation Assessment:

- Appointed as external Examiner for three students of ME Dissertation Assessment at North Maharashtra University Jalgaon for Nov. 2017 examination.

n) 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 Wadhwancity, Gujrat 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.

J) Session Chair /Track Coordinator for International Conference:

- Invited as session chair for International Conference on Emerging Trends in Computing and Communication (ICETCC-17) on 12th Jan. 2017.
- 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 Technologies (INCET 2021) organized by Jain College of Engineering Belagavi, Bangalore on 22nd May 2021.

K) Adjunct/ Visiting Faculty:

- Appointed as Adjunct faculty in Department of Electronics and Telecommunication Engineering at Saraswati College of Engineering Kharghar from 25th July 2016.
- Visiting faculty for the subjects “Computer Organization and Architecture” and “Digital Communication”, for Electronics and Telecommunication, IT and Computer Engineering in D.J. Sanghvi College of Engineering, Vile Parle, Mumbai for the academic year 2003-2004.

L) Seminar / Conference Attended:

- Attended seven, one day seminar/conference on various topics in different institutes.

M) Short Term Training Program Organized or Attended:

- Organized 05 STTPs in K.J. Somaiya Institute of Engineering and Information Technology Sion, Mumbai.
- Attended 02, two weeks and 10 one week ISTE approved STTPs in different institutes.

N) Books Published:

- Published book on “Principles of Computer Engineering”, Publisher Name: Vipul Prakashan Girgaon, Mumbai in the year 1998.
- Published book on “Filter Theory”, Publisher Name: Vipul Prakashan Girgaon, Mumbai in the year 1999 (First Edition), 2001(Second Edition), 2003(Third Edition).
- Published book on “Computer Organization and Architecture”, Publisher Name: Vipul Prakashan Girgaon, Mumbai in the year 2003.
- Published book on “Digital Computer Fundamentals”, Publisher Name: Vipul Prakashan, Girgaon, Mumbai in the year 2005.

O) Professional Society Membership:

- Life Member of Indian Society for Technical Education (LMISTE), India, Membership No: LM 37688.
- Associate Member of Institute of Electronics and Telecommunication Engineers (AMIETE), Membership No: AM 177694.
- 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).
- Member of the Institute of Electrical and Electronics Engineers (IEEE), Membership No: 80515670.

Other Activities:

- Convener for Anti ragging committee.
- Member of Accreditation Committee.
- Convener of Industrial Visit Committee.
- Convener for the report preparation for continuation of affiliation to the University of Mumbai.
- Member of Research and Development Council.
- Member of KJSIEIT Co-Operative Credit Society.

Personal Information:

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

References:

Dr. S.K.Ukarande	Principal, K.J.Somaiya Institute of Engineering and Information Technology, Sion-E, Mumbai. Email: principal.tech@somaiya.edu Mobile: +91-22-9820555761
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Prof. S.K.Shah

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Dr. M. U. Nemade