

Somaiya Vidyavihar University

Name: Dr. Jagannath Haridas Nirmal		E-mail: jhnirmal@somaiya.edu	
Contact No: +91-022-66449175/ 9167130111			
Department/Section: Department of Electronics Engineering			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 13-05-2003	Career Experience: 24 Yrs.	Industry Experience: ___ Yrs	Teaching Experience: 24 Yrs.
Present Academic Designation: Professor		Present Administrative Designation: HOD	

Area of research/specialization and Courses Delivered
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> 1. Audio Processing 2. Speech Processing 3. Signal processing 4. Image processing 5. Deep learning & machine learning 6. Pattern Recognition and Machine Learning <p>Courses Delivered</p> <ol style="list-style-type: none"> 1. Artificial Neural Network 2. Pattern Recognition and Classification 3. Multi-rate and Wavelet Transform 4. Speech Processing 5. Statistical Signal Processing 6. Computer Vision 7. Data Mining 8. Machine Learning and Fuzzy System 9. Adaptive Filtering 10. Data Analytics and Big Data

Recognition as a teacher by any University	UG: Yes/No	PG: Yes/No	Ph.D. : Yes/No
<p>Details of Recognitions</p> <ol style="list-style-type: none"> 1. PG Teacher – Vide Letter PG/I.C.D/2013-14/448 dated 15.06.2013 2. Ph.D Teacher – Vide Letter PG/ I.C.D/2015-16/1818 dated 26.11.2015 3. Full Time Professor – Vide Letter TAAS(CT)/ICD/2016-17/26971 dated 21.04.2018 			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Ph.D	SVNIT, Surat	SVNIT, Surat	2015	
PG	M.Tech	VJTI, Mumbai	VJTI, Mumbai	2008	8.95
UG	B.E	SGGSIE&T, Nanded	SGGSIE&T, Nanded	1999	73.46

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	G.h. Rasoni College of Engineering	Lecturer	August 1999	April 2000	0.8
2.	Smt. Indira Gandhi College of Engineering	Lecturer	August 2000	May 2003	2 Years 9 Months

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Research Accomplishments and Projects		
No of students pursuing Ph.D as on date: 03		No of students completed Ph.D as on date: 1
No of students completed PG thesis / Project work as on date: 11		No of students / groups completed UG projects as on date: More than 70
Publications Total: 32	Number of Peer review Journal papers: 14	Number of Conference papers: 17
<p>Details of Publications:</p> <p>International Journals</p> <ol style="list-style-type: none"> 1. Avinash Shrivastava, Shrinivas Deshpande, Girish Gidaye, Jagannath Nirmal, Kadria Ezzine, Mondher Frikha, Kamalakar Desai, Sachin Shinde, Ankit D Oza, Dumitru Doru Burduhos-Nergis, Diana Petronela Burduhos-Nergis “Employing Energy and Statistical Features for Automatic Diagnosis of Voice Disorders” <i>Diagnostics</i> 2022, 12(11), 2758; https://doi.org/10.3390/diagnostics12112758 2. Girish Gidaye, Jagannath Nirmal, Kadria Ezzine, Mondher Frikha “Correction to: Unified wavelet-based framework for evaluation of voice impairment”, <i>International Journal of Speech Technology</i>, Springer US 25, page549 (2022) 3. Girish Gidaye, Jagannath Nirmal, Kadria Ezzine, Mondher Frikha “Unified wavelet-based framework for evaluation of voice impairment” <i>International Journal of Speech Technology</i>, 25, pages527–548 (2022) 4. Girish Gidaye, Jagannath Nirmal, Kadria Ezzine, Avinash Shrivastava, Mondher Frikha,” Application of glottal flow descriptors for pathological voice diagnosis, <i>International Journal of Speech Technology</i>, 205-222, 2020/3 5. Girish Gidaye, Jagannath Nirmal Mondher Frikha, Kadria Ezzine, “Application of Glottal Flow Descriptors for Pathological Voice Diagnosis”, <i>International Journal of Speech Technology</i>, Springer US, vol. , pp., 2019 (SCI listed) 6. Savitha S Upadhya, AN Cheeran, Jagannath Nirmal, “Discriminating Parkinson diseased and healthy people using modified MFCC filter bank approach”, <i>International Journal of Speech Technology</i>, Springer US, vol. 22, pp. 1021-1029, 2019 (SCI listed) 7. Nikunj R Lad, Jagannath Nirmal Kshipra D Naikare, “Total variability factor analysis for dysphonia detection”, <i>International Journal of Speech Technology</i>, Springer Singapore, vol. 11, pp. 67-74, 2019 (SCI listed) 8. Savitha S Upadhya, AN Cheeran, Jagannath Nirmal, “Multitaper perceptual linear prediction features of voice samples to discriminate healthy persons from early stage Parkinson diseased persons”, <i>International Journal of Speech Technology</i>, Springer, vol. 21, pp. 391-399, 2018 (SCI listed) 9. Jagannath Nirmal, Mukesh Zaveri, Suprava Patnaik and Pramod Kachare, “Novel approach of MFCC based alignment and WD-residual modification for voice conversion using RBF”, <i>Neurocomputing</i>, Elsevier Publication, vol. 237, pp. 39-49, 2017 (SCI listed) 10. Jagannath Nirmal, Suprava Patnaik, Mukesh Zaveri, Pramod Kachare “Voice Conversion System Using Salient Sub bands and Radial Basis Function” <i>Neural Computing and Application</i>, Springer, vol. 27, pp. 2615-2628, 2016 (SCI Listed) 11. Jagannath Nirmal, Mukesh Zaveri, Suprava Patnaik and Pramod Kachare, “Voice Conversion Using General Regression Neural Network”, <i>Applied Soft Computing</i>, Elsevier Publication, vol. 24, pp. 1-12, 2014 (SCI listed) 12. Jagannath Nirmal, Suprava Patnaik, Mukesh Zaveri, Pramod Kachare “Voice Conversion System Using Salient Sub bands and Radial Basis Function” <i>Neural Computing and Application</i>, Springer, ISN (0941-0643), pp. 1-14, 2015 (SCI Listed) 13. Jagannath Nirmal, Mukesh Zaveri, Suprava Patnaik and Pramod Kachare, “MFCC Based Speech Alignment and Wavelet Decomposed Residual Conversion using Radial Basis Function”, <i>Neurocomputing Elsevier</i> DOI (http://dx.doi.org/10.1016/j.neucom.2016.07.048) 14. Jagannath Nirmal, Mukesh Zaveri, Suprava Patnaik and Pramod Kachare, “A Novel Voice Conversion Approach Using Admissible Wavelet Packet Decomposition”, <i>EURASIP Journal on Audio, Speech, and Music Processing</i>, Springer, vol. 28 issue 1, pp. 1-10, 2013. (SCI listed) 15. Jagannath Nirmal, Suprava Patnaik, Mukesh Zaveri, and Pramod Kachare “Complex Cepstrum Voice Conversion Using Radial Basis Function”, <i>ISRN: Signal Processing, Hindawi</i>, vol. 2014, pp. 1-13, 2014. 16. J. H. Nirmal, Suparva S. Patnaik, and Mukesh A. Zaveri, “Line Spectral Pairs based Voice Conversion 		

using Radial Basis Function,” International Journal on Signal and Image Processing, IJSIP, vol. 4, no. 2, pp. 26-33, 2013.

17. J.H.Nirmal, SupravaPatnaik, M.A.Zaveri; “Cepstrum Based Transformation Using ANN”, International Conference in Computational Intelligence (ICCI) 2011 Proceedings published in International Journal of Computer Applications (IJCA).vol.2 pp 15-18, 2011.
18. J H Nirmal, Sanjay Gandhe, “Performance of Different Techniques for Text Independent Speaker Identification in Noisy Environment”, International Journal of Computer Network and security, vol. 2, no. 7, 2010

National Journals

1. Savitha S Upadhya, AN Cheeran, Jagannath Nirmal, “Thomson Multitaper MFCC and PLP voice features for early detection of Parkinson disease”, Biomedical Signal Processing and Control, Elsevier Publication, vol. 46, pp. 293-301, 2018 (SCI listed)
2. Girish Gidaye, Jagannath Nirmal, Kadria Ezzine, Mondher Frikha,” Wavelet sub-band features for voice disorder detection and classification, Multimedia Tools and Applications, 28499-28523, 2020/10

Conferences

1. Krithika Padmanabhan, JH Nirmal, Kirti Sawlani “An Overview of Different Spectrophotometric Techniques for Non-Invasive Blood Glucose Measurement” Proceedings of the 3rd International Conference on Advances in Science & Technology (ICAST), 2020/4/8
2. Vandana Khobragade, Jagannath Nirmal, Suprava Patnaik, “Concave Point Extraction: A Novel Method for WBC Segmentation in ALL Images” Machine Intelligence and Signal Processing: Proceedings of International Conference, MISP 2019, 113-124, 2020
3. JagannathNirmal, Nikunj R Lad, Kshipra D Naikare, ”Classification of voice disorders using i-Vector analysis”, Proceedings of International Conference on Communication information and Computing Technology (ICCICT 2018), pp 1-7, IEEE, February 2-3, 2018, Mumbai, India.
4. Jagannath Nirmal, Savitha S Upadhya, AN Cheeran, ”Statistical comparison of jitter and shimmer voice features for healthy and Parkinson affected persons”, Proceedings of Second International Conference on Electrical, Computer and Communication Technologies (ICECCT 2017), pp 1-6 , IEEE, February 16-17, 2017, Coimbatore, Tamil Nadu, India.
5. Jagannath Nirmal, AnkitaChadha, ”A full band adaptive harmonic model based speaker identity transformation using radial basis function”, Proceedings of 11th International Conference on Intelligent Systems and Control (ISCO),pp 217-223, IEEE, January 5- 0036, 2017, Coimbatore, Tamil Nadu, India.
6. Jagannath Nirmal, SuparvaPatnaik and Mukesh Zaveri, ”Voice Transformation using Radial Basis Function”, Proceedings of Third International Conference on Recent Trends in Information, Telecommunication and Computing (ITC 2012), pp 271-276 Springer LNEE, August 03-04, 2012, Bangalore, India.
7. J.H.Nirmal, PramodKachare, S.S.Patnaik, M.A.Zaveri, ”CepstrumLiftering Based VC using ANN and GMM”, Proceedings of Second IEEE International Conference on Communication and signal processing (ICCSP 2013), pp 570-575, April 11-13 2013, Vengamukkapalem, AP, India
8. Nirmal J. H., Suparva Patnaik, Mukesh A. Zaveri and Pramod Kachare, ”Multi-scale Speaker Transformation using Radial Basis Function”, Proceedings of International Conference on Computational Intelligence: Modeling Techniques and Applications (CIMTA 2013), Procedia, Vol 10, pp 311–319 Sep. 27-28, 2013, Kalyani, W.B., India.
9. Ankita N. Chadha, J.H Nirmal and P. Kachare,” A Comparative Performance of Various Speech Analysis-Synthesis Techniques”, Proceeding of Third International Conference on Communication and Information Processing (ICCIP 2014), NUS Singapore , June 24-26, 2014 published in International Journal of Signal Processing Systems vol. 2, No. 1 June 2014.
10. Ankita N. Chadha, Jagannath H. Nirmal, Mukesh A. Zaveri, “A comparison of Multilayer Perceptron and Radial Basis Function Neural Network in the Voice Conversion framework”, IEEE Third International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014), GCET Noida Delhi, September, 24- 27 pp,1045-1052
11. S.A. Khan, A.S. Thosar, J.H. Nirmal, V. S. Pande, “A unique approach in text independent speaker recognition using MFCC feature sets and probabilistic neural network”, IEEE 8thInternational

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Conference on Advances in Pattern Recognition (ICAPR), Indian Statistical Institute Kolkatta during January 4-7, 2015, pp. 1-6, 2015

12. D.V.Thombare, J.H Nirmal, "Human Detection and Tracking using Kalman Filter and background subtraction technique", at 19th IEEE International Conference on Intelligent Agent & Multi-Agent Systems (IAMA 2009) during 22-24 July 2009 organized by the Department of Computer Science & Engineering, AarupadaiVeedu Institute of Technology Chennai.
13. J.H Nirmal, A.N Cheeran, "Radar Target Detection and Tracking" at International Conference on Digital Factory (ICDF 2008) during July 11- 13th Organized by: Coimbatore Institute of Technology, Jointly with Business Innovation Research Center (BIRC), Charlton College of Business, UMassD, USA
14. Pramod Kachare, A. N. Cheeran, Jagannath Nirmal, "Voice conversion: Wavelet based residual selection" IEEE Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI) SCMS, Kochi, Kerala during 13-15 August 2015.
15. Apoorva Kayal, J H Nirmal, "Multilingual Vocal Emotion Recognition and Classification Using Back-propagation Neural Network 2nd International Conference on Communication System (ICCS2015) Organized by Birla Institute of Technology, Pilani.
16. Amit Buyan, J H Nirmal, Comparative Study Of Voice Conversion Framework With Line Spectral Frequency And Mel- Frequency Cepstral Coefficients As Features Using Artificial Neural Networks International Conference on Computers, Communications, and Systems organized by S T Hindu College of Engineering sponsored by IETE.
17. Ashwini Visave Jagannath Nirmal, "Voice Classifier for glottal pathology detection from Glottal to Noise Excitation ratio and pitch IEEE Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI) SCMS, Kochi, Kerala during 13-15 August 2015.
18. J.H Nirmal, A.N Cheeran "Vehicle Navigation Using Kalman Filter" at National Conference on Algorithms Organized by: ShriDattaMeghe College of Engineering, Bandra(w), Mumbai – 400050 during 16-17th May 2007
19. J.H Nirmal, A.N Cheeran "Linear and Non Linear Target tracking by Kalman and Extended Kalman Filter" at National Conference on Algorithms Organized by: Fr. Conceicao Rodrigues College of Engineering, Mumbai, India during 28 and 29 Dec 2007.

Patents/Copy Rights

1. Copy Rights - SOLAR CHARGE CONTROLLER FOR TRANSPORTATION SYSTEM (Reg No. – L-116405/2022)

No of Research / consultancy / projects completed:
Rs:31,000/-

No of Research / consultancy / projects on-going:
Rs:

No of Research / consultancy / projects on applied as on date:
Rs: 03

Details of Research / consultancy / projects:

Completed

1. Motion Tracker
- 2.

On-going

3. --
4. --

Applied

5. --
6. --

IPR/ Copyrights

1. --
2. --

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered

Attended

1. Attended National Level Webinar on "Road Map and Essentials of Data Science "Organized by Department of E.C.E, G.Pulla Reddy Engineering College (Autonomous), Kurnool-518007 in association with IEEE Information theory society, on 10th September 2022
2. Attended IEEE International Conference on Advances in Computing, Communication, and Control

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(ICAC3'21) on 3-4 December 2021 as **Programme Committee Member**

3. Advances in Computing, Communication, and Control (ICAC3'21)
4. Attended First IEEE International Virtual Conference on Computing, Communication and Green Engineering-2021 (CCGE'21) during 23rd - 25th September 2021. organized by JSPM's Rajarshi Shahu College of Engineering, Pune as Technical program committee member.
5. Dr. J H Nirmal, Conference/Program/Session Chair for Committee member at First IEEE International Conference on at JSPM's Rajarshi Shahu College Of Engineering, Tathawade,Pune. August 2021
6. Winter School on Speech and Audio Processing (Wissap'15) at DA-IICT, GandhiNagar during 3rd Jan to 7th Jan 2015.
7. Winter School on Speech and Audio Processing (Wissap'14) at IIIT Hyderabad during 21st to 27th Jan 2014
8. MHRD AICTE STTP on Linear algebra and Wavelet transform for one week during 29 Nov 2010 to 3rd Dec 2010 organized by Department of Mathematics N.I.T Calicut.
9. MHRD AICTE STTP on Advanced Recent Trends in signal and Image Processing 29th Dec 2012 to 13th Jan 2013 organized by Department of Electronics, S.G.G.S Institute of Engineering and Technology, Nanded
10. MHRD AICTE STTP on Embedded System Design for two weeks during 1st Dec 2003 to 13th Dec 2003 organized by Dr.BabasahebAmbedkar Technological University Lonere
11. A DEP on DSP during July 2004 to October 2004 at KReSIT, I.I.T.Bombay
12. MHRD AICTE STTP on Image Processing :Fundamental to Advances for two weeks during 15th Dec 2008 to 28th Dec 2008 organized by Department of Computer Engineering N.I.T Rourkela
13. MHRD AICTE STTP on Advanced Signal Processing and Soft computing tools during 18th to 22nd May 2009 organized by Department of Electronics Engineering S.G.G.S Institute of Engineering and Technology, Nanded
14. MHRD AICTE STTP on Medical Image Processing for early detection of disease during 5th to 11th Jun 2009 organized by I.I.T Kharagpur.
15. Two day workshop on Neural Network organized by the Department of Electronics Engineering S P I T Andheri Mumbai during 27 -28 March 2010.
16. Two days' workshop on System Modeling and simulation organized by Department of Electronics Engineering Fr.C.R.College of Engineering, Bandra, Mumbai during 24th -25th September 2013.
17. Five day workshop on Virtual Instrumentation and Data Acquisition organised by Department of Electronics Engineering, K J Somaiya College of Engineering Mumbai during 24th to 28th August 2015.

Organized

1. Organized Guest lecture on Introduction to Zybook Platform, was conducted by Mr. Ajinkaya Modgi, Mr. Akshay Naik from Wiley Publications, Along with Dr.Makrand Kulkarni and Prof. Pragya Gupta.
1. Organized Guest lecture on Impartus (Lecture Capturing) Platform, was conducted by Ms. Sangeeta Odedra, Mr. Vishal from up-Grade Impartus Solutions , Along With Dr.Makrand Kulkarni.
2. Organized Workshop on Session on Recent Trends in Cloud Computing, was conducted by Prof. Pradeep Tiwari from NMMIS , along with Prof. Bhargavi Kaslikar.
1. Organized Workshop on Session on How to prepare for Placement was conducted by Mr.Paresh Mundale from Capgemini , along with Prof. Nilesh Lakde.
2. Organized Staff Development program was conducted on various technical topics for knowledge enhancement along with Prof. Sandeep Hanumante, Prof. Sushma Kadge, and Prof. Inderjit Singh Dhanjal.
3. Coordinated Online FDP on Sensors, IoT and Machine Learning from June 1-5,2020, Department of Electronics Engineering, KJSCE
4. Coordinated STTP on Industrial Automation: hands-on from June 4-8, 2018, Department of Electronics Engineering, KJSCE,
5. Coordinated ISTE approved Two Weeks Short Term Training Programme on wavelet transform applications: hands at K. J. Somaiya College of Engineering, Mumbai on 19th December to 23th December 2016.
6. Coordinated two day workshop on wavelet transform and applications at K. J. Somaiya College of Engineering, Mumbai on March 18-19, 2016
7. Coordinated an ISTE approved STTP on Speech, Music Processing and Machine Learning:

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Fundamentals, Applications and Trends at K. J. Somaiya College of Engineering, Mumbai on December 29, 2014 to January 3, 2015.

8. Organized a Short term training programme on Broadband Communication at K. J. Somaiya College of Engineering, Mumbai on 13th June to 25th June 2006.
9. Coordinated ISTE approved Two Weeks Short Term Training Programme on Embedded System Design: A unified Hardware and software approach at K. J. Somaiya College of Engineering, Mumbai on 13th June to 25th June 2005
10. Organised orientation program on “Advanced Optimization Techniques” on 6th, 7th , 12th and 13th February 2014 at K J Somaiya College of Engineering Mumbai.
11. Coordinated Virtual Lab Training Program for all faculties of K. J. Somaiya College of Engineering, Mumbai from 21 April to 23 April 2015.
12. Coordinated Virtual Lab Training Program for all UG and PG students (All Braches) of K. J. Somaiya College of Engineering, Mumbai from 31 August to 15 September 2015.

Delivered

1. Delivered Session on “Appications Areas of Data Science” in the ISTE approved STTP on “Data Science and Use of Visualization Tools” arranged from 6 to 11 Dec 2021 by SIESGST
2. Delivered Guest lecture on "Applications areas of data science" by Dr.J.H.Nirmal at SIES Graduate school of technology, Mumbai
3. Delivered lectures as expert session in STTP on “Industry IOT system design from sensing to mitigation, KJSCE Mumbai on June 12, 2019.
4. Delivered lectures as key note speaker for "AICTE-ISTE approved STTP on Linear Algebra, Statics, Mathematical Modeling : Hands on at KJSCE Mumbai on 08th Jan 2019
5. Delivered lectures on “Data Analytics & Machine Learning” at K J Somaiya College of Engineering on 23th March 2017 organized by Department of Computer, KJSCE Mumbai.
6. Delivered two lectures on “Applications of Machine Learning in Biomedical Engineering” in AICTE sponsored one week QIP on "Recent Trends in Biomedical Signal Processing" during 16th -21st Jan 2017 organized by Department of Electronics Engineering, VJTI Mumbai.
7. Delivered two lectures on Pattern Recognition Using ANN and GMM in STTP on Speech and Language Processing organised by Department of Electronics and Telecommunication Engineering on 12th January 2017 at XIE Mumbai.
8. Delivered lecture series on “Pattern Recognition, Univariate and Gaussian Distribution” in TEQIP Short term course on Statistical Methods on 22nd December 2016 organised by Department of Computer Engineering, Sardar Vallabhbhai National Institute of Technology Surat.
9. Delivered lecture series on “Gaussian Mixture Model and applications on 22nd December 2016 organised by Department of Computer Engineering, Sardar Vallabhbhai National Institute of Technology Surat.
10. Delivered lecture sessions on “Neural Network and applications with Demos " organized by Department of Electronics Engineering, K.K Wagh College of Engineering, Nasik, on 09 October 2016.
11. Delivered lecture sessions on “Applications and Case studies of Speech Processing” at SVCE on 30 September 2016 organized by IEEE Bombay Section.
12. Delivered lectures on “1) Research what and why? 2) Applications of Neural Network in Speech Processing” at K J Somaiya College of Engineering on 19th August 2015 organized by our ISTE Chapter KJSCE.
13. Delivered lecture sessions on “Applications of Neural Network in Speech Processing” at R.H. Sapat College of Engineering Nasik on 1 August 2015 organized by IEEE Bombay Section.
14. Delivered lecture sessions on “Applications of Neural Network in Speech Processing” at G.N.Sapkal College of Engineering Nasik on 31 July 2015 organized by IEEE Bombay Section
15. Delivered lecture sessions on “Digital Signal processing and its applications” at Sandeep Institute of Technology and Research Centre Nasik on 31 July 2015 organized by IEEE Bombay Section.
16. Delivered lectures on “Applications of Neural Network in speaker and person recognition and research opportunities” in IET sponsored Short Term Training Program on Research Opportunities in Speech and Image Processing and Neural Network on 17th July 2015 organised by Department of Electronics and Telecomm engineering Mukesh Patel School of Technology Management & Engineering.
17. Delivered lecture sessions on “Digital Signal processing and its applications” organized by M.H. SabooSiddik College of Engineering on 25 March 2015.
18. Delivered lecture sessions on “Artificial Neural Network and Applications" in TEQIP Sponsored

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Faculty Development Programme on Signal Processing and applications organized by V.J.T.I Mumbai, on 25 Feb 2015.

19. Delivered lecture sessions "Application of Signal and Image Processing" in Department of Computer Engineering, K J Somaiya College of Engineering on 18 Feb 2015.
20. Delivered lecture sessions and one lab session on "Application of Neural Network in Speech Processing" in A Five-day short Term training programme on "Audio, Speech and Signal Processing" under (TEQIP II) at S.V. National Institute of Technology, Surat on 7-11 June 2014.
21. Delivered lecture sessions on "Applications of Signal Processing with Demos " organized by Department of Electronics Engineering, K.K Wagh College of Engineering, Nasik, on 2 March 2014
22. Delivered lecture sessions on "Speech Processing: Fundamental to Advances and Applications" in Short Term Training Programme on Recent Trends on Signal Processing organized by VIT, Mumbai on 14 and 15 August 2012.
23. Delivered lecture on "Signal Processing with Demos" in International Conference & Workshop on Emerging Trends in Technology 2012 (ICWET 2012)organized by Thakur College of Engineering, Mumbai on 24th Feb 2012.
24. Delivered lecture sessions on "Signal Processing with Demos" in RESONANCE 2013 organized by Don Bosco Institute of Technology, Kurla, Mumbai on 14 March 2012.
25. Delivered lecture on "Application of Signal Processing with Demos" at Electronics Engineering at SPIT Andheri, Mumbai on 9 thMarch 2013.
26. Delivered lecture sessions and a laboratory session on "MATLAB: Fundamental to Advances with Demos" in Short Term Training Programme on wireless Communication organized by Don Bosco Institute of Technology, Mumbai on 14 March 2013.
27. Delivered lecture sessions and one lab session on "Application of Speech Processing "Organized by Department of Electronics and Telecommunication Engineering ITM universe Vadodara, Gujarat on 6thSeptember 2013.
28. Delivered lecture sessions and one lab session on "Application of Neural Network in Speech Processing" in A Five-day short Term training programme on "Machine Learning" under (TEQIP II) at S.V. National Institute of Technology, Surat on 17-21 June 2013.
29. Lecture Delivered at K. J. Somaiya college of engineering, Mumbai under ISTE KJSCE chapter on "Research: What and why?" on 17thMarch 2012.

Notable Key Scholastic Achievements

1.	Received the "Appreciation Award" given by the R&D cell, K. J. Somaiya College of Engineering, Vidyavihar, for outstanding research publication for the duration 2012-14
2.	Received the "Appreciation Award" by given the R&D cell, K. J. Somaiya College of Engineering, Vidyavihar, for outstanding research publication for the duration 2014-16.
3.	Received the Award given by the ISTE chapter, K. J. Somaiya College of Engineering, Vidyavihar for outstanding research publication for the year 2016
4.	Received the Award given by the ISTE chapter, K. J. Somaiya College of Engineering, Vidyavihar for outstanding research publication for the year 2017.

Notable Positions and Responsibility

1.	Paper Reviewer for Signal and Image Processing, ICCICT-2021 from 25-27 June 2021
2.	Working as Head, Department of Electronics Engineering, K. J. Somaiya College of Engineering, Vidyavihar
3.	Chairman, BOS, Department of Electronics Engineering , K. J. Somaiya College of Engineering, Vidyavihar
4.	In-charge for Criteria 3 NAAC in 2017, K. J. Somaiya College of Engineering, Vidyavihar
5.	Appointed as a Vice Chancellor (University of Mumbai) nominee as a Subject Expert on the University Staff Selection Committee (USSC) for appointment of Assistant Professor / Associate Professor and Professor in the subject of Electronics Engineering.
6.	Appointed as an external examiner / referee for M.E. / M. Tech. dissertations / examinations conducted in other universities such as University of Pune, VJTI Mumbai, SPIT Mumbai Etc.
7.	Handled various responsibilities at the University level, Institute level and Department level as an

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	Examiner (UG and PG), Moderator, Re-valuator, Vigilance squad member, Special committee member (for investigating examination related members), etc.
8.	Session chair for 3rd International conference on Advances in Computing, Communication and Informatics (ICACCI 2014) held in New Delhi in 2014.
9.	Session chair for International Conference & Workshop on Emerging Trends in Technology (ICWET 2012) held in Mumbai in 2012.
10.	Session chair for student paper presentation competition (Abhyantriki 2015) organised by IEEE student chapter K J Somaiya College of Engineering on 29th September 2015.
11.	Member, Board of Studies, Thakur College of Engineering and Technology, Mumbai
12.	Member, Board of Studies, Sardar Patel Institute of Technology, Mumbai
13.	Reviewed papers for IEEE Assess (IEEE Journal), International Journal of Speech Technology (Springer), Neurocomputing (Elsevier), Expert System and Applications (Elsevier). Signal Processing, (Elsevier) Speech Communication, Advances in Signal Processing at (EURASIP).
14.	Worked as a reviewer for ICACCI 2014, ICCIPS 2014, ICWET 2013, IBSS 2015 many more
15.	Coordinator, Virtual Lab, K J Somaiya College of Engineering, Nodal Centre, IIT Bombay [An Initiative of Ministry of Human Resource Development (MHRD), Under the National Mission on Education through ICT]
16.	Providing the academic and intellectual leadership to all faculty and staff functionally and ensure it achieves the highest possible standards of excellence in all its activities
17.	Managing the syllabus framing process, defending and promoting the department, and giving research guidance to colleagues and managing the internal intellectual and infrastructural resources effectively and efficiently
18.	Finding and generating the external intellectual and infrastructural resources through institution – institution / industry – institution / alumni through interaction / talk/MOU / Consultancy / Projects / upcoming trends for the faculty and students
19.	Nature of experience Specialization, if any:
20.	Involved in teaching of post graduate and undergraduate students particularly delivered subjects like, Signal Processing, Neural Network and Fuzzy System, Filter Design, Signal and System, Speech Processing for UG and System modeling and simulation, Advanced DSP and IP, Machine learning for PG
21.	In charge of criteria 5 (NBA), K. J. Somaiya College of Engineering, Vidyavihar
22.	Group Coordinator for Signals and Systems (NBA), K. J. Somaiya College of Engineering, Vidyavihar
23.	Member for UG- CAP admission committee and Departmental Coordinator for Research and Development.
24.	Lab In-charge: Signal Processing and Image Processing Lab., K. J. Somaiya College of Engineering, Vidyavihar
25.	Departmental Library Representative., K. J. Somaiya College of Engineering, Vidyavihar
26.	Initiatives taken for the development of software related to faculty and staff documentation.

Date: 08 /02 / 2023

Signature of Faculty Member