

VIDYA RAVINDRA SAGVEKAR

E-mail: vsagvekar@somaiya.edu

CAREER OBJECTIVE

Seeking a challenging environment that encourages continuous learning and creativity, provides exposure to new ideas, and stimulates personal and professional growth in the areas of Teaching.

PROFESSIONAL EXPERIENCE

Working as Assistant Professor in K.J.Somaiya Institute Technology, Sion, Mumbai since May 2008 to till date.

Worked as Lecturer in Xavier Institute of technology for 11 months.

Worked as Shah and Anchor Kuttchi Engineering College for 6 months.

INDUSTRIAL EXPERIENCE

Worked as Technical Consultant in Bhabha Atomic Research Center for ten months.

ACADEMIC QUALIFICATION

Degree	Year of Passing	College/University	Percentage
PhD in Electronics & Telecommunication engineering	Pursuing	Mukesh Patel School of Management and Engineering, NMIMS University.	---
Master of Engineering (Electronics & Telecommunication)	2013	Vidyalankar Institute of Technology, Wadala, Mumbai University	73%
Bachelor of Engineering	2004	D.Y.Patil Institute of Engineering & Technology, Pimpri, Pune University	63.66%
Diploma in Industrial Electronics	2001	Government Polytechnic, Bandra, Mumbai	77%

RESEARCH PUBLICATIONS

PAPER PUBLISHED IN JOURNAL

1. **Vidya Sagvekar**, Manjusha Joshi, Minu Ramakrishnan, Ajay Dudani, "Hybrid hunter-prey ladybug beetle optimization enabled deep learning for diabetic retinopathy classification", Biomedical Signal Processing and Control, Volume 95, Part B, 2024,106346,ISSN 1746-8094, <https://doi.org/10.1016/j.bspc.2024.106346>. (<https://www.sciencedirect.com/science/article/pii/S174680942400404X>)

2. Mr. Yash Damani, Mr. Janak Limbachia, Mr. Shubh Dave, **Prof. Vidya Sagvekar**, "The Making of Moodify: Weaving AI Technologies into a Personalized Mental Health Tapestry", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.11, Issue 2, Page No pp.498-501, April 2024.
3. Netra Shukla, Esha Sanghavi, Fatema Bohri, **Vidya Sagvekar**," Investigating Glaucoma Detection: Evaluating Existing Restrictions and Outlining Innovative Solutions", International Journal of All Research Education & Scientific Methods An ISO Certified Peer-Reviewed Journal,volume.12, Issue 4, April 2024.
4. Siddharth Tanna **Prof.Vidya Sagvekar**, Preksha Shah, Vraj Parekh,"Data Imputation Techniques For Missing Sensor Data In Iiot Environment",International Journal of Creative Research Thoughts(IJCRT), volume 11, issue 10th October 2023.
5. Sakshi Zanjad **Prof. Vidya Sagvekar**,Om Sohani,Smita Prajapati,"Elevating Transportation Efficiency: An Inclusive Review On Iot- Enabled Pothole And Hump Detection System For Road Safety",International Journal of Creative Research Thoughts(IJCRT), Volume:11, issue 10th October 2023
6. **Vidya Sagvekar**, M. Joshi, M., "SEGAN-BASED LESION SEGMENTATION AND OPTIMIZED ResNet FOR DIABETIC RETINOPATHY CLASSIFICATION " Biomedical Engineering: Applications, Basis and Communications Vol. 35, No. 04, 2350008 (2023)
7. **Vidya Sagvekar**, Manjusha Joshi, Mukesh Nandave, "Diabetic Retinopathy Monitoring Using Smartphone: A Review", International Journal of Engineering Science Invention (IJESI) ISSN (Online): 2319-6734, ISSN (Print): 2319-6726 www.ijesi.org ||Volume 9 Issue 3 Series. I || Mar.2020 || PP 67-72
8. Sagvekar Vidya," Enhancement of Back off Algorithms in CSMA/CA", International Journal of Recent Technology and Engineering (IJRTE),Volume 2, Issue 5,page 102-107.
9. Vidya Sagvekar," Evaluation of Simple MAC in NS-2".International Journal of Electronics Communication and Computer Engineering Volume 4, Issue 2, ISSN (Online): 2249–071X, ISSN (Print): 2278–4209.
10. Vidya Sagvekar,"Speaker Identification Using MEL Frequency Cepstral Coefficients and Vector Quantization", International Journal of Electronics Communication and Computer Engineering Volume 3, Issue 4, ISSN (Online) 2249 –071X, ISSN (Print): 2278 – 4209.
11. **Vidya Sagvekar**, M. Limkar, BR Rao,"Isolated digit recognition using MFCC and DTW", International Journal on Advanced Electrical and Electronics Engineering,(IJAE), Volume1,issue 1.

PAPER PRESENTED IN CONFERENCE

1. **Vidya Sagvekar**, M. Joshi, M. Ramakrishnan and A. Dudani, "CDBO_DenseNet: CAViaR Dung Beetle Optimization Enabled Deep Learning for Diabetic Retinopathy Classification," 2024 International Conference on Emerging Smart Computing and Informatics (ESCI), Pune, India, 2024, pp. 1-6, doi: 10.1109/ESCI59607.2024.10497412.

2. J. Limbachia, Y. Damani, S. Dave and **Vidya Sagvekar**, "MOODIFY: Tailored, Personal and Multifaceted AI Assistant for Young Adult Mental Health Issues," *2023 6th International Conference on Advances in Science and Technology (ICAST)*, Mumbai, India, 2023, pp. 106-110, doi: 10.1109/ICAST59062.2023.10455044.
3. **Vidya Sagvekar**, Manjusha Joshi, "Early diagnosis of diabetic retinopathy using Radiomic Features", presented in IEEE conference on Technologies for Future Cities 2021.
4. S. Singh, K. Kunder, V. Jain and **Vidya Sagvekar**, "Inventory Management System for Education Institutions," *2022 5th International Conference on Advances in Science and Technology (ICAST)*, Mumbai, India, 2022, pp. 206-209, doi: 10.1109/ICAST55766.2022.10039520.
5. **Vidya Sagvekar**, Varshil Jain, Kavya Kunder, Ayushi Bardiya, Shreyay Patil," E-Deadstock Management System for Educational Institutes", Proceedings of the 4th International Conference on Advances in Science & Technology (ICAST2021)
6. Rujuta Deo, Aditi Rathi, Tanmay Rathod, Jaykumar Mevada, **Vidya Sagvekar**, "Review of Feature Extraction Techniques", Proceedings of the 3rd International Conference on Advances in Science & Technology (ICAST), 2020.
7. **Vidya Sagvekar**, M Limkar, BR Rao, "Speaker Recognition using VQ and DTW ", International Conference on Advances in Communication and Computing Technologies (ICACACT) 2012 Proceedings published by International Journal of Computer Applications® (IJCA)

RECOGNITIONS

1. Awarded as Best Paper of the Session in 6th International Conference on "Emerging Smart Computing & Informatics", 5-7th March 2024, Technically Co-Sponsored by IEEE, organized by all India Shri Shivaji Memorial Society's INSTITUTE OF INFORMATION TECHNOLOGY, Pune.
2. Certified coach for AI for Youth Program
3. Letter of Appreciation for outstanding efforts in teaching the subject of Operating System during sem IV of the 2023-24 academic year.
4. Letter of Appreciation for outstanding efforts in teaching the subject of Digital Logic and Computer Architecture during sem III of the 2023-24 academic year.
5. Letter of Appreciation of contribution towards the project titled "Stationary Management System" 15th September 2023.
6. Letter of Appreciation of contribution towards the project titled "Inventory Management System" 15th September 2023.
7. Letter of Appreciation for outstanding efforts in teaching the subject of Micro-Electromechanical System (MEMS) during sem VIII of the 2020-21 academic year.

FDPs

1. Successfully Completed ISTE approved Six days Short Term Training Programme (STTP) on “Exploring Generative AI and Explainable AI: Concepts to Applications”, Conducted during 24th June to 29th June 2024, organized by the Department of Artificial Intelligence & Machine Learning & Artificial Intelligence & Data Science.
2. Successfully Completed One Week Online Short Term Course on “Recent Trends in Blockchain Enabled Internet of Things” organized by Department of Information Technology, Dr B R Ambedkar National Institute of Technology Jalandhar from December 04-08,2023.
3. Organizing committee member of National Level Capacity Building Program,”Cybersecurity and Forensics”, at KJSIEIT June 19-23,2023.
4. Successfully Completed One Week FDP on “Quantum Computing” at KJSIEIT by Dept of Computer Engineering December 12-17, 2022.
5. Successfully completed Online Global FDP on Natural Language Processing under Electronics & ICT Academy NIT Patna during 7-Feb-2022 to 18-Feb-2022.
6. Successfully completed Online FDP (ATAL) on Machine Learning Deep learning using Python" from 04/01/2022 to 08/01/2022 at Pune Institute of Computer Technology.
7. Successfully completed Faculty Development Program on “Deep Learning Techniques for Image, Audio , Video Processing”,January 21-23, 2021 and organized by the Department of Electronics Engineering of KJSIEIT, Sion, Mumbai in association with University of Mumbai and Mathworks India.
8. Successfully completed Online FDP on " Machine Learning and Pattern Recognition" from 2021-1-18 to 2021-1-22 at MET's Institute of Engineering.

CERTIFICATIONS

1. Successfully completed 12 weeks NPTEL Online Certification “Introduction to Industry 4.0 and Industrial Internet of Things”, with 72% July-October 2023.
2. Successfully completed 12 weeks NPTEL Online Certification “Computer Architecture and Organization”, July-October 2021.
3. Successfully completed 4 weeks NPTEL Online Certification “Medical Image Analysis”, Jan-April 2020.
4. Successfully completed 4 weeks NPTEL Online Certification “Digital Image Processing”, with 67% July-October 2019.
5. Successfully completed the NPTEL course on-“Teaching and Learning in Engineering”

OTHER RESPONSIBILITIES

1. Departmental Examination & Evaluation Committee (DEEC) member
2. Department Test coordinator
3. Department website coordinator
4. Department Proctor coordinator
5. Handled the responsibility of Mini Project Coordinator
6. Working as a mentor for students and project guide for major and mini projects
7. Organized industrial visit/Expert lecture to enhance the qualities of students and to make them ready for industry

PERSONAL DETAILS:

Name: Vidya Ravindra Sagvekar

Gender: Female

Marital Status: Married

DECLARATION: I hereby confirm that the information given above is true to the best of my knowledge.

Place: Mumbai