

Photo:

Name - Mrs. Jyoti Morbale.

Qualification- M.E. (Electronics), PhD (Pursuing)

Experience - 18 Years

Portfolio at college level:

- 1. Purchase Coordinator**
- 2. Lab in-charge**

Conferences:

1. Jyoti Chougale-Patil, Prof. B.G. Hogade, “Application of Smart Antenna for Wireless Ad-Hoc Network”, New Development in Engineering, technology and Management, 22 March2012,Bhivpuri (Karjat)
2. Jyoti Chougale-Patil, Prof. B.G. Hogade, “Performance improvement in beam forming of Smart Antenna by using LMS algorithm”. National conference on innovative paradigms in Engineering and technology (NCIPET-2012), 28ThJanuary2012, Nagpur.
3. Jyoti Chougale-Patil, Prof. B.G. Hogade, “Improved LMS Adaptive Algorithm for Beam Forming in Smart Antenna”, International conference on Microwave, Antenna Propagation and Remote sensing.(ICMARS-2011) ,7th–10thDecember2011, Jodhpur (Rajasthan)
4. Jyoti Chougale-Patil, Prof. B.G. Hogade, “Improved LMS Algorithm for Smart Antenna”, National conference on Communication, Antenna and Signal processing (CASP-2011)-CYNOSURE,23-24 December2011,Lonere (Raigad).

Publications:

1. Jyoti Chougale-Patil, Prof. B.G. Hogade, “Performance improvement in beam forming of Smart Antenna by using LMS algorithm”, International Journal of Computer Applications(IJCA),ISBN:978-93-80866-86-6,pages 31-35,AprilEdition 2012
2. Jyoti Chougale-Patil, Prof. B.G. Hogade, “Analysis of Improved and Traditional LMS Beam forming Algorithm for Smart Antenna”, International Journal of Engineering Research and Applications,ISSN:2248-9622, Vol.2, Issue 3,pp.1816-1820, June 2012,
3. M.V. Patil, J.S. Morbale “FPGA implementation of image steganography using LSB&DWT”volume4,issue 6-pageno.847 December2015, IJCSN.
4. J.S. Morbale, Anubhuti kumara, Hricha Mishra “GSM based home automation, safety and security system using android mobile Phone” vol. 8, issue 03, pp 28239-28243, March2016.InternationalJournalofCurrent Research. (ISSN:0975-833X)

5. Sumeet Jha,Vikas Kumar,J.S. Morbale, "Wireless powered mobile device module" volume8, issue 04, April 2016, International Journalof Current Research(ISSN:0975-833X)
6. Manya Jain, Pankaj Rawat, J.S. Morbale, "Automatic Floor Cleaner" volume 4 ,issue04, April2017, International Research Journal of Engineering and Technology (IRJET). ISSN:2395 -0056 p-ISSN:2395-0072
7. Medha Mukherjee, Sagar Kumar Paul, Dipali Ashok Shinde, J.S. Morbale," Air QualityMonitoringSystem",JETIRResearchJournal2018 ISSN:2349-5162|IF: 7.97
8. Kshitiz Rathore, Monica Chhabhi, Prakash Raghuwanshi, J.S. Morbale," Smart restaurant food menu system" JETIR May2018, Volume5, Issue5,ISSN: 2349-5162 IF:7.97
9. Mrs. J.S. Morbale, "Smart Antenna Technology for Wireless Communication System" Journal of Emerging Technologies and Innovative Research Vol.6, Issue4, April 2019
10. Mrs.J.S. Morbale "A Novel Energy Aware Routing Protocol in WSN" Journal of Emerging Technologies and Innovative Research Vol.6, Issue5,May2019
11. Akash Kumar Jha, Manish Arora, Nikhil Ahlawat Prof. Jyoti Morbale, "Weather monitoring ystemusing IoT" International Journal of Scientific Research in Engineering and Management (IJSREM), Volume:04Issue:06 ,June -2020 ISSN:2582-3930
12. Neha Sharma, Shubhani Kapoor, Rachit Khandelwal, Mrs. J.S. Morbale,"Atmospheric Water Generator using Peltier effect" International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 05 Issue: 07 , July 2021, 2582-3930
13. Sharda P. Tondare, Jyoti S. Morbale, Anuradha S. Nigade, Sonali K. Pawar, Ambika Bhatia, C. Ashok Kumar ,"Role of Cloud Computing in Commerce-Applications, Future Challenges" Design Engineering, ISSN: 0011-9342 | Year 2021 Issue: 9 | Pages: 3676- 3681
14. P.R. Nargelekar, J.S. Morbale, Md. Atif Khan, Shrishti Singh, Souvik De,"Smart Intrusion Detection System" International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 06 Issue: 06 | June - 2022 Impact Factor: 7.185 ISSN: 2582-3930
15. Mrs. J.S. Morbale , Mrs. P.R. Naregalkar , Anushka Singh, Priyanshu Dwivedi, Raghav Mathur, "Quadcopter Drone with Face Recognition", International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 06 Issue: 06 | June - 2022 Impact Factor: 7.185 ISSN: 2582-3930.
16. Prof. Sharda.P.Tondare, Prof. Sonali.K.Pawar, Prof. Anuradha.S.Nigade, Prof. Jyoti Morbale, Prof. Aparna.S.Patil, Isha Mandawkar,"Covid-19 Face Mask Detection and Social Distancing at Public Places",Paper Id: ICCIASH-2022/834 3rd Online/Offline Mega International Conference on "Continuity, Consistency and Innovation in Applied Sciences and Humanities" on 16th&17th September, 2022 (ICCIASH-22) ,St. Martin's Engineering College. Secunderabad, Telangana. ISBN No: 978-93-91420-14-7. Published in : UGC CARE Group-1, Sr. No.-155 (Sciences) Industrial Engineering Journal, ISSN: 0970-2555 Volume: 52, Issue 1, No.1, 1, January 2023.

17. Prof. Sharda Tondare, Prof. Sonali Pawar, Prof. Anuradha Nigade, Prof. Jyoti Morbale, Prof. Aparna. S. Patil, Sanidhya Singh, Kunal Tyagi, Jyotprakash Shukla, "Design and Build Control Panel for Vertical Axis Wind Turbine At 700 RPM ", Paper Id: ICCIASH-2022/8353rd Online/Offline Mega International Conference on "Continuity, Consistency and Innovation in Applied Sciences and Humanities" on 16th&17th September, 2022 (ICCIASH-22) ,St. Martin's Engineering College. Secunderabad, Telangana. ISBN No: 978-93-91420-14-7.
Published in : UGC CARE Group-1, Sr. No.-155 (Sciences) , Industrial Engineering Journal ISSN: 0970-2555 Volume: 52, Issue 1, No.1, 1 January 2023.
18. Jang Bahadur Saini Dilip Kumar, Pawar Sonali, Tondare Sharda, Nigade, Anuradha Nigade, Morbale, Jyoti, "Improve qos for multi-body sensor analytics in smart healthcare system using machine learning algorithm" Journal of Interdisciplinary Mathematics Article 2023, Volume 26, Issue 3, Pages393 – 405, DOI: 10.47974/JIM-1670
19. Patil Mangal, Morbale Jyoti, Nigade Anuradha, Aggarwal Saloni, Priya Padma, Implementation of Real Time Face Mask Recognition Technique Using Keras , Tensor Flow", Lecture Notes in Networks and Systems (Springer), Conference Paper 2023 , Conference date: 24 January 2023 - 25 January 2023
SBN 978-981990768-7, Volume 645 LNNS, Pages 333 – 343.
DOI: 10.1007/978-981-99-0769-4_30.
20. Patil Mangal, Kulkarni Prajakta, Patil Aparna, Morbale Jyoti, Aggarwal Saloni, Priya Padma "Enhancing Public Health Measures with AI and MobilenetV2 for Face Mask Detection", Proceedings of 2024 IEEE International Conference of Electron Device Society Kolkata Chapter, EDKCON 2024, Conference Paper 2024.Institute of Electrical and Electronics Engineers Inc. 30 November 2024 - 1 December 2024,Pages 258 – 263, ISBN 979-835037464-3
DOI: 10.1109/EDKCON62339.2024.10870862
21. Patil Mangal, Naregalkar Prajakta, Tondare Sharda, Morbale Jyoti, Patil Aparna, "Estimation of breathing signal and the respiratory parameters from the speech recordings using honey badger-based modular neural system", Multimedia Tools and Applications (Springer), Article September 2024, 2024, ISSN 13807501, Volume 83, Issue30, Pages 73957 – 73982. DOI: 10.1007/s11042-024-18353-2
22. Patil Aparna, Patil Mangal, Tondare Sharda, Naregalkar Prajakta, Nigade Anuradha, Morbale Jyoti, "Harnessing the MERN stack for scalable E-commerce website design: A full-stack approach with MongoDB, Node.js, Express.js, and React.js" , Journal of Integrated Science and Technology, Article 2025, 2 April 2025. ISSN 23214635.
Volume 13, Issue 5. Article number 1116,
DOI: 10.62110/sciencein.jist.2025.v13.1116
23. Hole Sh.R, Kute U.T., Upadhye S., Morbale J.S., Tondare S.P.," Design of an iterative model incorporating transformer-based self-attention and proximal policy optimization for solar power systems", Journal of Computational Technologies Article 2025, ISSN 15607534, Volume 30, Issue 3, pages: 78-96 DOI: 10.25743/ICT.2025.30.3.007

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Projects/ Achievements:

- First rank in College (ME: Mumbai University)
- First rank at Center for HSC (Kolhapur Board)
- Second rank at Center for SSC (Kolhapur Board)
- Best Paper at National Level Conference
- Gold Medal and top 1% Elite in NPTEL online certification course: “Cloud Computing” IIT Kharagpur-8 weeks course, February-April 2019.
Gold Medal and top 1% Elite in NPTEL online certification course: “Introduction to Internet of Things”-IIT Kharagpur -12 weeks course, July-October 2019.