



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
4 Programs Accredited by **NBA**
(CSE, ISE, ECE, MECH)

Faculty Name	Dr. Vandana Bhat	
Academic Designation	Associate Professor	
Educational Qualification	MCA, M.Tech, Ph.D.	
Experience in Teaching & Industry	24	
Date of Joining	05-10-2026	
Official Email ID	vandana-mca@dsatm.edu.in	
Employee ID	180973	

Educational Details

MCA, M.Tech, Ph.D.

Professional Experience

Teaching Experience : 24 years.
Research Experience 10 years.

Publications

- Research Papers in International Journal : 36
- Research Papers in Scopus indexed journals: 13
- Research Paper in UGC Care Journals: 01
- Research Papers in SCIE/ Q1/Q2/Q3 indexed journals: 05
- Papers presented at national/international conferences : 03/15

Details: Details of Publications

1. Vandana S. Bhat, Dr. J. D. Pujari, Techniques for Face Detection & Recognition System-a Comprehensive Review, Journal of Computer Engineering, Nov-Dec 2013, Vol. 15, Issue 5, pp. 01-12.
2. Vandana S. Bhat, Dr. J.D. Pujari, A Hybrid Skin Color Model for Face Detection, International Journal of Engineering Research and General Science Vol. 2, Issue 2, Feb-Mar 2014, pp. 68- 75.
3. Vandana S. Bhat, Dr. Jagadeesh D. Pujari, Geethaanjali, Face Detection for Skin Tone Images Using Color Space Model and Edge Information, International Journal of Scientific Research in Computer Science Applications and Management Studies, July 2013, Vol. 2, Issue 4, pp.120-129.
4. Vandana S. Bhat , Dr. Jagadeesh D. Pujari, Face Recognition using holistic based approach, International Journal of Emerging Technology and Advanced Engineering, Vol. 4, Issue 7, July 2014, pp.134-141.
5. Vandana S. Bhat. Jagadeesh D. Pujari, Human Face Recognition using combined approaches PCA

and ICA, CiiT International Journal of Digital Image Processing, December 2015, Volume7, Issue 10, pp. 301-307.

6. Vandana S. Bhat, Jagadeesh D. Pujari, Neuro-Fuzzy Fusion for Face Recognition using PCA, ICA and SIFT, International Journal of Computer Vision and Robotics.(IJCVR), Vol.6, No 4, pg. 414-434, September 2016.(Scopus Index)
7. Pawan, Dr. Vandana S. Bhat ‘ Robust Utility verification of data using differential Private publishing scheme, International Journal of Engineering Research & Technology (IJERT), ISSN:2278-0181, NCESC-2018, Volume6, Issue 13, Pg.1-4, Special Issue 2018.
8. Kirti B Hubballi, Vandana S.Bhat, Attendance System for face Recognition using GSM Module, International Journal Of Computer Sciences and Engineering, Volume 6, Issue 7, Page No, 1180-1184, July 2018.
9. Priya Nandihal , Dr. Vandana S. Bhat, Dr. Jagadeesh Pujari “Markov Random Field Based Model In Spatial Domain for Denoising od Microarray Images”, International Journal of Computer Sciences And Engineering, ISSN 2347-2693, Vol. 6, Issue 9 , pp. 324-328, sep, 2018..
10. Priya Nandihal , Dr. Vandana S. Bhat, Dr. Jagadeesh Pujari “Adaptive Min Max Thresholds Algorithm of Micrarray Image Denoising Based on Nonsubsampled Counterlet Transform”, International Conference on Recent Trends in Technology ICRTT, SDMIT UJIRE, ISSN 2278-0181, ICRTT18131, May, 2018.
11. Priya Nandihal , Dr. Vandana S. Bhat, Dr. Jagadeesh Pujari “Image Noise Type Identification in Microarray Images Using CNN-INC”, International Journal of Advanced Trends in Computer Science And Engineering, ISSN 2278-3091, Vol. 9, Issue 4 , pp. 6279-6288, August, 2020.(Scopus Indexed)
12. Priyanandihal, Dr. Vandana S. Bhat, Dr. Jagadeesh D. Pujari, “Application of FFDNET for Image Denoising on Microarray Images:, in the International Journal of Recent Technology and Engineering (IJRTE) during September 2019 , ISSN : 2277-3878, Volume-8, Issue-3, September 2019, **Scopus Indexed.**
13. Dr.Vandana S. Bhat , Komal M, Appita Durga S, K.M.Manushree, Shradha V L , “Review on Literature Survey of Human Recognition with Face Mask , International Journal of Engineering Research& Technology(IJERT), ISSN:2278-0181, Vol.10 Issue01, January-2021, Pg- 697-701
14. Paper accepted for oral presentation as Advances in Intelligent Systems and Computing on Sept.23rd – 24th Priyanka Gavade, Dr. Vandana S. Bhat, Dr. Jagadeesh D. Pujari, titled “ Face Expression Recognition in Video using Hybrid feature extractor and CNN-LSTM has been accepted for an International Conference – 2nd ICMISC-2021 **and publication on the Springer as Lecture Notes in Networks and Systems.**
15. Priyanka A. Gavade, , Dr. Vandana S. Bhat, Dr. Jagadeesh D. Pujari, Performance study of Deep Learning Techniques for Facial Expression Recognition, Internal Journal – PENSEE, VOLUME 51, 1053- 1060, ISSUE 3 2021.

16. Dr. Vandana S. Bhat, Poornima Shetagar, Sehraantaj Sadarbhai, Vaibhavi Kulkarni, Vijayalaxmi patil published a paper titled “ Implementation of Efficient Image Retrieval system using cloud Computing in the International Journal of Scientific Research in Engineering and Management, ISSN- 2582-3930, Volume: 05 Issue: 06 | June – 2021.
17. Dr. Vandana S. Bhat, Arpitha Durga Shambavi, Komal Mainalli, K M Manushree, Shraddha V Lakamapur, IMPLEMENTATION ON HUMAN RECOGNITION WITH FACE MASK, INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT (IJSREM), VOLUME: 05 ISSUE: 06 | JUNE – 2021, pg1-5, ISSN: 2582-3930.
18. Rani Shetty, Vandana S. Bhat, Jagadeesh Pujari, Rashmi Shetty, “Content based COVID-19 image retrieval system using local histogram equalization and deep convolutional neural network,” International Journal of Electrical and Computer Engineering (IJECE), Vol. 14, No. 4, August 2024, pp. 3942~3950. Doi: 10.11591/ijece.v14i4.pp3942-3950 – **SCIE - scopus indexed journal – Q3**
19. Rani Shetty, Vandana S. Bhat, Jagadeesh Pujari, “Content-based medical image retrieval using deep learning-based features and hybrid meta-heuristic optimization,” Biomedical Signal Processing and Control, Vol. 92, June 2024. Doi: 10.1016/j.bspc.2024.106069 – **SCI - scopus indexed journal – Q1**
20. B. Mokashi, V. S. Bhat, J. D. Pujari, S. Roopashree, T. R. Mahesh, and D. S. Alex, “Efficient Hybrid Blind Watermarking in DWT-DCT-SVD with Dual Biometric Features for Images,” Contrast Media Molecular . Imaging, vol. 2022, 2022, doi: 10.1155/2022/2918126.- **SCIE - Scopus Indexed Journal -Q2**
21. Priyanka A. Gavade, Dr. Vandana S. Bhat, Dr. Jagadeesh Pujari, “Hybrid Features and Deep Learning Model for Facial Expression Recognition From Videos”, International Journal of Image and Graphics, 2022 Volume 22, Issue 04 (July 2022)(print): 0219- 4678 (online): 1793-6756, **Q3 ESCI.**
22. Nileema Pathak Purshottam Patil, Vandana Bhat, Priti Mishra Tejal Rachh., “ A review on Vross Validation for Imbalance Time series data Classification”, published in UGC care Journal, Vol 49, Special Issue No.1, February 2026, www.ijteonline.in, February 2026.

National / International Conference

1. Human Face Detection using Localized Feature Extraction at Don Bosco College of Engineering at Bangalore – 2008. National Conference.-Won the IIInd prize as the best paper award.
2. Vandana S. Bhat, Jagadeesh D. Pujari, Combining Skin Color Model and Template Matching for a frontal face detection, Proceedings of IEEE International Conference on Advances in Computer Vision and Information Technology, ACVIT 2009, Dec. 16-19 2009, Aurangabad, India, pp.321-327.
3. Vandana S. Bhat, Jagadeesh D. Pujari, Face detection system using HSV color model and morphing operations, Proceedings of National Conference on Women in Science & Engineering (NCWSE –July-2013), (IJCET), Dharwad, India, 2013, pp. 200-204.
4. Vandana S. Bhat, Dr. J.D.Pujari, Face Recognition using Template Matching, National Conference on

Emerging & Innovative Trends in Computer science, NCEITCS-2012, organized by Vasavi College of Engineering , Hyderabad held on May 1-2, 2012.

5. Presented a paper titled Face Recognition using Template Matching at a Two day National Conference on Emerging & Innovative Trends in Computer Science, NCEITCS- 2012 on May 1-2, 2012 by Vasavi College of Engineering, Ibrahimbagh, Hyderabad – 31.
6. Vandana S. Bhat, Dr. J. D. Pujari, Human Face Detection using Skin Color Model and Hole Filling Operations, Proceedings of First International Conference on Emerging Research in Computing Information Communication and Applications , ERCICA 2013, Elsevier Science and Technology, Aug 02-03, 2013, Bangalore, India, pp. 743-747.
7. Vandana S. Bhat, Dr. J.D. Pujari, An approach for Face Detection using Artificial Intelligence, Proceedings of IEEE International Conference on Contemporary Computing and Informatics (IC3I 2014), Nov- 27-29- 2014, Mysore, India, pp. 1191-1197.
8. Presented a paper title “Presented a paper title “ Dot Com – Its success and failure “, at the 26th National Conference IAMD & IUCBER , Feb. 7th, 8th and 9th 2002.
9. Presented a paper on “ Credit based Grading System”, with Dr. U.P.Kulkarni at SDMCET – Dharwad
10. Presented a paper by Raksha Nadigir , Dr. Vandana S. Bhat ,titled A Novel framework for secure transmission in MANET at an International Conference on Signal Processing , Communication and Computational Research at Vidya Vikas Institute of Engineering and Technology , Mysuru on 18th – 19th May 2016.
11. Presented a paper by Dr. Vandana S. Bhat, Pawan, ‘ Robust Utility Verification of Data Using Differential Private Publishing Scheme at a National Conference on Electronics, Signals and Communication (NCESC- 2017) conducted in association with IETE Mysuru Centre and International Journal of Computer Applications on 29th May 2017.
12. Presented a paper by Priyanka A.Gavade ,Dr. Vandana S. , titled “ A Survey on Facial Expression Recognition using DIP Techniques International Conference on Signal, Image Processing Communication and Automation - ICSIPCA- 2017, Pg 51-58.
13. Presented a paper, by Sujay R. , Dr. Jagadeesh D.Pujari , Dr.VandanaS.Bhat titled “ Timeline Analysis of Twitter User”, International Conference on Computational Intelligence and Data Science (ICCIDS 2018), Elsevier, Procedia Computer Science, Volume 132,7-8 April 2018 Pg 157-166
14. Dr. Vandana S. Bhat, Prof. D.S.Bhat, Published an Article titled “ Impact of COVID – 19 on higher Education – Challenges and Opportunities: was published during December 2020 in the book titled “ Higher Education after COVID -19 – An Indian Perspective .
15. Paper titled Dual Watermarking Technique for Image Authentication using Biometrics, Bhargavi Mokashi,Vandana S.Bhat, Jagadeesh D.Pujari has been accepted for presentation at IEEE International Conference Mysore Sub Section during October 2021.

National Conferences: 03

Conference Attended :

Awards : 02

- Won the best Teacher award during the year 2018 from Institute of Exploring Advances in Engineering (IEAE) in recognition of her valuable contribution to the academic community and the students.
- Awarded certificate of appreciation as recognition as reviewer for Institute for Exploring Advances in Engineering in International Journals during 2018.

Academic Activity :

- Served as Admission Officer at SMVITM – Udupi.
- Article on the topic Artificial Intelligence Published at digital media, Udupi.
- Worked as Deputy Controller of Examinations (Deputy COE) at SDMCET – Dharwad.
- Invited to be an External Examiner for Ph.D Viva-Voce at Sandip University , Nasik.
- 4 students completed Ph.D (Engineering) under my guidance from VTU- Belagavi.
- IQAC Coordinator, NBA Coordinator BOE Coordinator, BOS member at SDMCET – Dharwad
- Served as a member of DUGC for curriculum design and development.
- Coordinator for workshops, faculty development programs (FDPs), and technical student events at the department level.
- Won the best Teacher award during the year 2018 from Institute of Exploring Advances in Engineering (IEAE) in recognition of her valuable contribution to the academic community and the students.
- R& D In-charge – AIML department.
- Coordinator for Mentorship Programme, Dept. of ISE (2012-2015).
- Applied for patent during the year 2026.

Faculty Development Activity/Workshops: 30

Contact Details

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