

Name of Teaching Staff	:	Dr. Kanchan Dabre		
Designation	:	Assistant Professor		
Department	:	Computer Science and Engineering (Data Science)		
Date of Joining the Institution	:	20.12.2021		
Email ID	:	kanchan.dabre@djsce.ac.in		
Office Contact	:			
Google Scholar Link	:	https://scholar.google.com/citations?hl=en&user=Ja5NAaEAAAAJ		
Researchgate Link:		https://www.researchgate.net/profile/Kanchan-Dabre		
ORCID		https://orcid.org/0000-0003-4246-9395		
Publons Researcher ID	:	https://publons.com/researcher/AAD-4404-2022/		
Qualifications with Class / Grade	:	1. Ph.D (Information Technology), Mumbai University, 2026. 2. M E. (Computer Engineering), Mumbai University, 2014, 74.98% 3. B.E. (Computer Engineering.), Mumbai University, 2009. 74.93%		
Total Experience in Years	:	More than 16 years Teaching: 1. Assistant Professor, D. J. Sanghvi College of Engineering, Mumbai, from 20.12.2021 to till date 2. Assistant Professor, Universal College of Engineering, Mumbai, 17.06.2013 to 18.12.2021 3. Lecturer, Sardar Patel Institute of Technology, Mumbai, 18.08.2011 to 15.11.2012 4. Assistant Professor, St. John College of Engineering, Mumbai, 26. 06.2009 to 16.08. 2011		
Papers Published in Journal:	:	Papers presented in International Journal: 15 1. Jain H., Thakar Y., Jain S., Dabre K., “A Multi-Objective Optimization Framework for Sustainable Fleet Structure Planning Using TOPSIS Integrated Evolutionary Optimization”, Evolutionary Intelligence, Springer Nature, Vol. 19, Article No. 117, Published online: 18 July 2026, 2026. (0 Citations) 2. Dabre K., Varma S. L., Patil P. B., “RAPID-Net: Reduced Architecture for Pneumonia in Infants Detection Using Deep Convolutional Framework Using Chest Radiograph”, Biomedical Signal Processing and Control, Vol. 87, Article 105375, 2024. (11 Citations) 3. Dabre Kanchan, Satishkumar L. Varma, and Pankaj B. Patil, “Deep Architecture for Diagnosis of Pneumonia in Thoracic Images,” International Journal of Applied Engineering and Technology, vol. 5, no. 4, Dec. 2023. 4. Dabre Kanchan, Satishkumar L. Varma, and Pankaj B. Patil, “Consolidation of Squeeze and Excitation with VGG16 for Pneumonia Diagnosis Through Chest X-Ray Images,” Stochastic Modelling and Computational Sciences, vol. 3, no. 2, Dec. 2023. 5. Dabre Kanchan, Satishkumar L. Varma, and Pankaj B. Patil, “Pneumonia Variant Detection from CXR Images using Meta-Learning in Machine		

	Learning,” African Journal of Biological Sciences, June 2024. 6. Kanchan Dabre, “Automatic Detection and Report Generation of CORONA Disease using Chest X-Ray”, International Journal of Creative Research Thoughts (IJCRT), Volume 9, Issue 5, May 2021. 7. Kanchan Dabre, “Emotion Based Music Player” , International Journal of Research and Analytical Reviews (IJRAR), Volume 8, Issue 2, May 2021. 8. Kanchan Dabre, “Fake News Prediction using TF-IDF Vectorizer”,International Journal of Research and Analytical Reviews (IJRAR), Volume 8, Issue 2, May 2021. 9. Kanchan Dabre, “An Indian Sign Language Detection App”, Journal of emerging Technologies and Innovative Research,Volume 8, Issue 6, June 2021. 10. Divesh Koli, Akash Bhimani, Drishti Goda, Kanchan Dabre, “Online Social Grievance Redressal Using Blockchain”,JETIR, 215-219, Volume 7, Issue 3, March 2020. 11. Sainath Chilkuri, Himanshukumar Prajapati, Pankajkumar Purohit, Kanchan Dabre, “Fabric Texture Analysis Using Image Processing Techniques”, JETIR, 393-397, Volume 7, Issue 3, March 2020. 12. Shubham Bhatt, Parth Bhatt, Mann Bajaria, Prof.Kanchan Dabre,“Fake News Detection”, IJRAR ,233-239,, Volume 7, Issue 1, March 2020. 13. Chirag Niyogi, Narsima Chilkuri, Pawan Gupta, Kanchan Dabre, “Predictive Analysis of Mobile Application Success”, IJRAR, Volume 6, Issue 1, March 2019 14. Irfan Shaikh, Anish Singh, Abhishek Singh, Kanchan Dabre, “A Machine Learning Based Novel Approaches for Automated Technical Paper Assessment”, JETIR, Volume 6, Issue 3, March 2019 15. Parvathi Mohandas, Brijesh Shukla, Ankur Pandey, Kanchan Dabre, “Generation of Images from Text Description”, IJRAR, Volume 6, Issue 1,March 2019. 16. Sahil Bhayani, Rahul kokitkar, Rohan Angadi and Kanchan Dabre, “INFRASTRUCTURE DECISION MODELLING” , International Journal of Recent Trends in Engineering & Research (IJTER), 687-692, Volume 04, Issue 03, March-2018. 17. Alok Jha, Shrey Jain, Shirish Jain, “Unique Identification based Railway Ticket Booking and Authentication System, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE), Vol. 6, Issue 04,1-4, April 2018. 18. Mayur Girdhar, Karan Joshi, Triasha Jalui, Kanchan Dabre, “Video Caption Generation using Deep Learning”, IJCRT, Volume 5, Issue 3, 25-28, September 2017.
Papers Presented in Conferences	Papers presented in International Conference: 11 1. Prof. Kanchan Dabre published a research paper titled “Causal Mapping for Region Based Air Quality Index Prediction” in the international conference proceedings of 4th International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2025) indexed by Scopus in

	Nov 2025. 2. Dabre K., Shah D., Bhut P., Suryavanshi V., Kanchi P., “Tulsi Leaf Disease Detection using CNN”, 6th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2026), 2026. (0 Citations) 3. Uskaikar O., Sonavane A., Randive M., Dabre K., “Multi-Modal Deception Detection Using Deep Learning”, 15th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2024), 2024. (4 Citations) 4. Vithlani J., Dabre K., Gala P., Varma S. L., “Pneumonia Diagnosis in Chest X-rays: A Deep Learning Framework Using Mask R-CNN and ResNet”, IEEE 1st International Conference on Advances in Computing, Communication and Networking (ICAC2N 2024), 2024. (0 Citations) 5. Potdar A., Bhanushali J., Singh S., Dabre K., “Yoga Pose Classification and Correction using PoseNet”, IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI 2024), 2024. (7 Citations) 6. Dabre Kanchan, Satishkumar L. Varma, and Pankaj B. Patil, ”Deep Architecture for Diagnosis of Pneumonia in Thoracic Images.”, Conference on Technologies for Future Cities (CTFC) at Pillai College of Engineering, New Panvel, 2023. 7. Dabre Kanchan, Satishkumar L. Varma, and Pankaj B. Patil, ”Deep Architecture for Multiclass Pneumonia Diagnosis from Chest X-Ray Images”, 4th International Conference on. Intelligent Vision and Computing. (ICIVC 2024), National Institute of Technology Agartala, November 23-24, 2024. 8. Dabre Kanchan, Satishkumar L. Varma and Jay Vithlani, ”Pneumonia Diagnosis in Chest X-rays: A Deep Learning Framework Using Mask R-CNN and ResNet”, (ICAC2N-24), I.T.S Engineering College, Greater Noida, Uttar Pradesh, India, Dec 2024 9. Shah D., Kapadia P., Kakwani H., Dabre K., “Multi Criteria Decision Making in Fantasy Sports”, IEEE Pune Section International Conference (PuneCon 2023), 2023. (2 Citations) 10. Dabre K. R., Lopes H. R., Dmonte S. S., “Intelligent Decision Support System for Smart Agriculture”, International Conference on Smart City and Emerging Technology (ICSCET 2018), 2018. (8 Citations) 11. Reddy K. B. S., Loke O., Jani S., Dabre K., “Tracking People in Real Time Video Footage Using Facial Recognition”, International Conference on Smart City and Emerging Technology (ICSCET 2018), 2018. (5 Citations) 12. Kanchan D., Surekha D., “Machine Learning Model for Sign Language Interpretation using Webcam Images”, IEEE Conference on Circuit System Communication and Information Technology Applications (CSCITA-2014), Mumbai, pp.317-321, April 2014. (48 Citations) Papers presented in National Conference: 01 1. Kanchan D., Dhanajay Kalbande,” An Efficient Recommender System using Collaborative Filtering Methods with K-separability Approach”, National
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		Conference on Emerging Trends in Engineering & Technology (,IJERA,-VCET-2012), ISSN:2248-9622, Mumbai-India,May 2012.(13 Citations) Book Chapter: 01 1. Kanani P., Kothari N., Vartak P., ..., Desai N., Padole M., “Insight into the Quantum Internet: A Review”, Research Advances in Network Technologies, Volume 2, 2024. (Book Chapter) (0 Citations) Lecture Notes: 01 1. Kamdar A., Ghosh B., Dabre K., “Optimizing Uncertainty in Placement Prediction Using Bayesian Belief Networks and LLMs”, Lecture Notes in Networks and Systems, Vol. 1295, 2025. (0 Citations)
Area of Specialization		Computer Vision, Natural Language Processing, Artificial Intelligence, Machine Learning, Deep Learning and Statistics for Data Science.
PhD Guide ? Give field & University	:	<u>Field:</u> <u>University:</u>
PhDs / Projects Guided	:	<u>PhDs :</u> <u>Projects at Masters level:</u>
Books Published / IPRs / Patents	:	Books (Editors for conference Proceedings on Springer)
Professional Memberships	:	• ISTE Life Time Membership • Society of Data Science
Grants fetched	:	Minor Research Grant (University of Mumbai)

Interaction with Professional Institutions	: Guest Lectures: Other Achievements and Responsibilities:	WORKSHOPS AND SEMINAR CONDUCTED - Delivered an Invited Expert Session on "Medical Image Processing" at VIVA Institute of Technology, Virar, on 13 January 2026. - Delivered an Invited Hands-on Workshop on "Fundamentals of Neural Networks and Learning Algorithms" at VIVA Institute of Technology, Virar, on 6 April 2026. - Hands on Session on “Google Classroom-ICT Technique” for all faculties in UCOE. - Workshop on “Windows Movie Maker” organized by UCOE-CSI branch at UCOE. - One day Workshop on “Project Building using C#.NET with SQL SERVER” at UCOE. - Assistant Speaker for conference on “RADIATION HAZARDS” in Epsilon 12 organized by Thadomal Sahani Engineering College in collaboration with IETE. - Instructor for Add on “Mathematical Modelling” 4- week Course at UCoE. ACHIEVEMENTS - Runner Up award for Research Proposal Title: Diagnosis of Pneumonia Disease from Chest Radiograph by Vivekanand Education Society’s Institute of Technology, Chembur, 2024. - Received Research Fellowship of ₹1,00,000 and silver medal at State Level 16th Avishkar Research Convention 2024 held by Maharashtra University of Health Sciences (MUHS), Nashik under category of PPG (Medical and Pharmacy – Ph.D.) 2024. - Gold Medal at the Zonal Level by the University of Mumbai, Churchgate, 2023. - Winner at the Intercollegiate Level held at Vivekanand College of Pharmacy, Chembur, 2023. “Best Social Impact project” Award by CSI in Technext 2020. - Research on “IoT based Water Irrigation” got appreciated and implemented at South Africa, 2018. - Regional Finalist at EYIC Idea Championship. 2019. - Technical Paper Reviewer for IEEE international conference at ICCDW 2020 and ICCICT 2021.
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Subjects Taught	<u>UG Level:</u> 1. Computer System Fundamental 2. Deep Learning 3. Statistics for Data Science Laboratories 4. Artificial Intelligence and Soft Computing 5. Machine Learning 6. Operating System 7. C Programming 8. Natural Language Text Processing 9. Image Processing and Computer Vision 10. Object Oriented Programming 11. Database Management System <u>PG Level:</u>			
Projects Guided	:	<u>UG Level:</u> 59 <u>PG Level:</u> 0		
Recommended Students for Higher Education		<table><tr><td><u>Name of the Student</u> 1. Dhruv Salot 2. Dhruvi Shah 3. Dyuti Vartak 4. Rishabh Patil 5. Aryan Bhandare 6. Bhuvi Ghosh 7. Jai Vasi 8. Jinay Jain 9. Jay Vithlani 10. Nidhi Pabari 11. Sowmya Dadheech 12. Jay Mehta 13. Purnay Kachi 14. Sonia Satam 15. Sanket Hemant Magodia 16. Kartik Chaurasiya 17. Shounak Daptardar 18. Drishti Paresh Goda 19. Harsh Nisar</td><td><u>University/Industry</u> 1. UNSW Sydney 2. NYU Tandon School of Engineering 3. University of Washington 4. NYU Tandon School of Engineering 5. Binghamton University 6. Columbia University 7. Stony Brook University 8. University of East London 9. San José State University 10. University of Arizona 11. University of Washington 12. University of California, Riverside 13. New Jersey Institute of Technology 14. University at Buffalo. 15. Binghamton University 16. Northeastern University 17. UNC Charlotte Graduate School 18. Syracuse University 19. Rutgers University</td></tr></table>	<u>Name of the Student</u> 1. Dhruv Salot 2. Dhruvi Shah 3. Dyuti Vartak 4. Rishabh Patil 5. Aryan Bhandare 6. Bhuvi Ghosh 7. Jai Vasi 8. Jinay Jain 9. Jay Vithlani 10. Nidhi Pabari 11. Sowmya Dadheech 12. Jay Mehta 13. Purnay Kachi 14. Sonia Satam 15. Sanket Hemant Magodia 16. Kartik Chaurasiya 17. Shounak Daptardar 18. Drishti Paresh Goda 19. Harsh Nisar	<u>University/Industry</u> 1. UNSW Sydney 2. NYU Tandon School of Engineering 3. University of Washington 4. NYU Tandon School of Engineering 5. Binghamton University 6. Columbia University 7. Stony Brook University 8. University of East London 9. San José State University 10. University of Arizona 11. University of Washington 12. University of California, Riverside 13. New Jersey Institute of Technology 14. University at Buffalo. 15. Binghamton University 16. Northeastern University 17. UNC Charlotte Graduate School 18. Syracuse University 19. Rutgers University
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Institute/Department Responsibility handled:	1. PAC Committee Member 2. Area Chair 3. Class Incharge 4. Library Committee Member 5. Alumni In-Charge 6. Term Test Coordinator 7. Social Media Team 8. IPD In charge 9. Exam Coordinator			
Pedagogy Development				

Reviewer	1. Served as a Judge for the Technical Paper Presentation Competition (Oscillation) organized by Vidyavardhini's College of Engineering, Vasai, on 1 April 2026. 2. Served as a Technical Programme Committee Member and Reviewer for the 4th International Conference on Advancements in Smart Computing & Information Security (ASCIS 2025), organized by Marwadi University, Rajkot, in collaboration with CCIS, GUJCOST, and DST, from 11–13 September 2025. 3. Served as a Reviewer for the International Conference on Communication, Computing and Emerging Technologies (IC3ET 2026) (IEEE Conference Record #64989), held at Vidyavardhini's College of Engineering and Technology (VCET), Vasai, during 9–10 February 2026. 4. Served as a Reviewer for the IEEE International Conference on Multidisciplinary Innovations for Smart & Sustainable Future (MISSF 2026), organized by the IEEE Maharashtra Section, held during 17–18 April 2026. 5. Reviewer for IEEE ICBDS Conference between 17th to 19th October 2024 3. 6. Reviewer for IEEE CVMI 2024 Conference between 19th to 20th October 2024 7. Reviewer for DefenSec 2025, International Conference on AI/ML and Defensive Security at PG Department Computer Science, SNDTWU between 20th to 21st June 2025 8. Reviewer for 4th International Conference on Advancements in Smart Computing and Information Security at Marwadi University, Rajkot-Morbi Road, Gujrat between 11th to 13th September 2024
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