

Faculty Profile

Name Dr. Jayashree Jagdale
Designation Assistant Professor
Department Information Technology
Email bjagdale@pict.edu
Phone +91-8308800278



Educational Qualifications

| Degree | University/Institution | Year of Passing |
|-------------------------------|------------------------------------|-----------------|
| Ph.D. | PAHER, Pacific University, Udaipur | April 2022 |
| M.E. (Information Technology) | MITCOE, Pune University | March 2010 |
| B.E. (Computer Engineering) | MGMCOE, Navi Mumbai | May 1999 |

Professional Experience

| Sr. No. | Designation & Institute | Duration |
|---------|------------------------------------|------------|
| 1. | Assistant Professor, PICT, Pune | 13.2 years |
| 2. | Lecturer, PICT, Pune | 3.10years |
| 3. | Lecturer, MITCOE, Pune | 6 months |
| 4. | Lecturer, KJSCE, Ghatkopar, Mumbai | 6 years |
| 5. | Lecturer, SPCE, Andheri, Mumbai | 6 months |

Research Publications

| Sr. No. | Title | Publication/Conference |
|---------|---|---|
| 1 | Amalgamate: An Integrated Communication Center for Android | Proceedings of the International Conference on Soft Computing for Problem Solving (SocProS 2011) December 20-22, 2011: Volume 2 |
| 2 | Parallel approach for content based medical image retrieval system | Journal of Computer Science |
| 3 | Hybrid Sentiment Analysis-A Survey of Different Approaches and Techniques | Journal of Applied Science and Computations |
| 4 | Hybrid Corrective Critic Neural Network for Sentiment Classification in Community Media | 3rd International Conference on Electronics and Communication and Aerospace Technology [ICECA 2019]. |

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| 5 | Optimization driven actor-critic neural network for sentiment analysis in social media | VINE Journal of Information and Knowledge Management Systems |
| 6 | Survey on Information Retrieval Accuracy in Biomedical Systems | https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3602529 |
| 7 | Gradient Descent based Support Vector Machine Approach for Sentiment Classification | Test Engineering and Management ISSN: 0193-4120 http://www.testmagzine.biz/index.php/testmagzine/article/view/9411 |
| 8 | Design and Implementation of Grievance Filing Application using Automatic Text Classification | International Journal of Innovative Technology and Exploring Engineering (IJITEE) |
| 9 | Impact of Lightweight Machine Learning Models for Speech Emotion Recognition | Advances in Intelligent Systems and Computing |
| 10 | Sentimental Evaluation of Sensitive Tweets using Hybrid Sentiment Analysis Model | 3rd International Conference on Intelligent Computing, Information and Control Systems ICICCS 2021 |
| 11 | Experimental evaluation of deep learning models for marathi text classification | Proceedings of the 2nd International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications: ICMISC 2021 |
| 12 | Machine learning applied in emotion classification: a survey on dataset, techniques, and trends for text based documents | 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS) |
| 13 | Comparative Study and Performance Analysis of Deep Neural Networks for Sign Language Recognition using Transfer Learning | 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) |
| 14 | Real-time word level sign language recognition using YOLOv4 | 2022 International Conference on Futuristic Technologies (INCOFT) |
| 15 | Indian Sign Language interpretation using convolutional neural networks | 2023 10th International Conference on Signal Processing and Integrated Networks (SPIN) |
| 16 | Real-time indian sign language recognition using skeletal feature maps | 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT) |
| 17 | Voice-Based Smart Assistant System for Vehicles Using RASA | 2023 International Conference on Computational Intelligence, Networks and Security (ICCINS) |
| 18 | Indian Sign Language Recognition using Skin Segmentation and Vision Transformer | 2023 IEEE 20th India Council International Conference (INDICON) |
| 19 | Recent works in Sign Language Recognition using deep learning approach-A Survey | 2023 OITS International Conference on Information Technology (OCIT) |
| 20 | Indian Sign Language Recognition System using GAN and Ensemble based approach | |

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| 21 | Mapreduce framework based sentiment analysis of twitter data using hierarchical attention network with chronological leader algorithm | Social Network Analysis and Mining |
| 22 | Indian Sign Language Recognition in Real Time using YOLO NAS | 2024 3rd International Conference for Advancement in Technology (ICONAT) |
| 23 | Indian Sign Language Recognition Using Video Vision Transformer | 2024 3rd International Conference for Advancement in Technology (ICONAT) |
| 24 | Role of Artificial Intelligence in Crop Health Monitoring for Sustainable Farming-A Comprehensive Survey | Available at SSRN 4838268 |
| 25 | Crop (Cotton) Health Monitoring Using Computer Vision and AI/ML | |
| 26 | Ensemble Of Machine Learning Models For Sentiment Analysis | International Journal of Engineering Research & Technology (IJERT) |
| 27 | Enhancing Cotton Disease Detection: A Deep Learning Approach Using Transfer Learning and Comparative Analysis | International virtual conference on Emerging Era of Applications of Computer |
| 28 | Video Sign Language Recognition - A Survey | GRADIVA REVIEW JOURNAL |
| 29 | Enhancing Accessibility for the Visually Impaired: Image Caption Generation and Speech Conversion Using Deep Learning | Gradiva review journal |
| 30 | Improvement in performance of Porter Stemmer. | Gradiva review journal |
| 31 | Comparative analysis of Stemming Algorithms | National Conference on Information Technology in Multi-Domain Industry, MIT COE, Pune |
| 32 | Architecture & Security Issues in mobile OS. | Emerging Trends in Computer, Communication and Information Technology, KJSCE, Ghatkopar Mumbai |
| 33 | Modern Information Retrieval techniques : A survey | National Conference Interface 2010 , VJTI, Mumbai |
| 34 | Experimental analysis of performance centric parameters in mobile platforms | Emerging Trends in Computer, Communication and Information Technology, KJSCE, Ghatkopar Mumbai |
| 35 | Blockchain Based Goods Authentication System | iPGCon, MITCOE, Kothrud, Pune |
| 36 | Dynamic Indian Sign Language Sentence Captioning System Using Machine Learning | 2024 IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS) |

Books Published (Chapter)

| Sr. No. | Title | Publisher & Year |
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| 1 | Chapter in book series : Advances in Intelligent Systems and Computing | Springer Nature, 2021 |
| 2 | Lecture Notes in Electrical Engineering (LNEE, volume 1295) | Springer Nature, 2025 |
| 3 | Lecture Notes in Networks and Systems (LNNS, volume 237) | Springer Nature, 2022 |
| 4 | Advances in Intelligent Systems and Computing ((AISC,volume 1387)) | Springer Nature, 2021 |
| 5 | Advances in Intelligent Systems and Computing ((AISC,volume 1415)) | Springer Nature, 2021 |
| 6 | Advances in Intelligent and Soft Computing ((AINSC,volume 131)) | Springer Nature, 2011 |

Conferences / Seminars Attended

| Sr. No. | Conference/Seminar | Year |
|---------|--------------------|------|
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Awards & Recognitions

| Sr. No. | Award/Recognition | Year |
|---------|--|------------|
| 1 | Best Paper Award at 3rd International Conference on Electronics and Communication and Aerospace Technology | 2019 |
| 2 | Session chair IEEE conference, PCCOE | 2024 |
| 3 | Reviewer in International Scopus journals and IEEE conferences | since 2019 |
| 4 | Judging in institute level SIH and hackathons | since 2022 |

Areas of Interest

| Sr. No. | Area |
|---------|--|
| 1 | Data structures, Algorithms and Programming. |
| 2 | Language processing |
| 3 | Artificial Intelligence |
| 4 | Data Mining |
| 5 | Machine Learning |