

SNJB's Shri Hiralal Hastimal (Jain Brothers, Jalgaon) Polytechnic, Chandwad

(All AICTE Approved Programs NBA Accredited)

Department: Computer Technology

Faculty Profile

Name of Faculty: Prashant Govindrao Aher



Qualification :	M.Tech (CSE)
Designation :	Sr. lecturer
Date of Joining :	12/07/2007
Experience :	16.5yrs
Teaching/research Areas :	Java Programming / Image Processing
Courses / Subjects Taught :	Java Programming , Web Application development using PHP, Python Programming, Digital Techniques
Staff training/FDP attended in last 3 Years	ISTE approved self-financing FDP on “Emerging Trends in IT” AICTE Training and Learning (ATAL) Academy FDP on “Mastering Cloud Computing: Applications and Development strategies” IIT Bombay’s MOOC on eYantra “eLSI: Basics of Embedded Systems and Robotics” NPTEL-AICTE FDP on Python for Data Science NPTEL-AICTE FDP on Programming in Java NPTEL-AICTE FDP on “Introduction to Machine Learning” NPTEL-AICTE FDP on Effective Engineering Teaching in Practice NPTEL-AICTE FDP on “Accreditation and Outcome Based Learning”
Paper presentation /conferencesattended	1. International Conference on Innovative Techniques in Artificial Intelligence and Communication Technologies (ICITAICT 2K24), “AI-Driven Grape Leaf Disease Detection Using Optimal Image Extraction Local Binary Pattern (LBP)” 2. 5th Springer International conference on Data Engineering and Applications (IEA-2k24) “Enhancing Grape leaf Disease Detection Accuracy through Fusion of Sparrow Search and Slime Mould Algorithms: A Hybrid Machine learning Approach”. 3. 6th International Conference on Communication and Intelligent Systems (ICCIS 2024), “Convolutional Autoencoder and Deep Convolutional Neural Network Hybrid Model for Plant Disease Detection”. 4. 3rd International Conference on - Computational Intelligence and Mathematical Applications CIMA-2025, “Towards Precise Grape Leaf Disease detection: A Hybrid Optimization strategy using Sparrow Search and Slime Mould Algorithms”.
Paper published in journals	1. “Prediction Of Leaf Disease Utilising Internet Of Things”, International Journal of Biology, Pharmacy and Allied Sciences, ISSN: 2277-4998,

	DOI: 10.31032/ijbpas/2021/10.11.1047. 2. “An Iterative Systematic Analytical Review of Advanced Deep Learning Models for Grape Disease Detection”, Advances in Nonlinear Variational Inequalities, ISSN: 1092-910X, DOI: 10.52783/anvi.v28.3506. 3. “Deep learning for grape leaf disease detection: A review”, Multidisciplinary Reviews, ISSN: 25953982, DOI: 10.31893/multirev.2025364. 4. “Optimized Grape Leaf Disease Classification using Hybrid Machine Learning Approach with SSA-SMA”, Journal of Information Systems Engineering and Management, ISSN: 2468-4376, DOI: 10.52783/jisem.v10i24s.3885. 5. “AI-driven grape leaf disease detection using optimal image extraction local binary pattern (LBP)”, AIP Conference Proceedings”, ISSN: 0094-243X, DOI: https://doi.org/10.1063/5.0265224. 6. “Convolutional Autoencoder and Deep Convolutional Neural Network Hybrid Model for Plant Disease Detection”, Lecture Notes in Networks and Systems, ISSN: 2367-3389, DOI: 10.1007/978-981-96-5726-1_7.
Books published with ISSN/ISBN number :	1. Cloud Computing for Data Science, TechKnowledge Publication (Sem. V), ISBN: 978-93-5563-620-1 2. Machine Learning (316316) TechKnowledge Publication (Sem. VI), ISBN: 978-93-5563-785-7
Participation in MSBTE activities (RAC/DC/Theory/PR Exam/Curriculum development)	1. OIC of Digital Evaluation Centre of MSBTE 2. MSBTE Lab Manual for Subject “Data Warehousing and Mining Techniques (316321), sixth semester ‘K’ scheme. 3. Member of MSBTE DEC Copy Case Center
List of Projects guided at diploma level last 3 years	Autonomous Pesticide Spraying Robot, Onion Separation base on Size, IOT Based Onion Spoilage Detection & Protection System, House Price Prediction system, Virtual Try On Fashion, Micro Plastic detection
Role and responsibilities at institute Level	Alumni Committee Coordinator, Research Committee Coordinator, KALAM Committee Member, Discipline Committee Member
Role and responsibilities at department level	Lab In charge, Expert Lecture Coordinator, e-yantra Lab coordinator, Event Coordinator, CTSA Coordinator
Major achievements in last 5 years	1. Design Patent “AI Based Pesticides Spraying Rover” (418460-001) 2. 2nd Best paper prize in International Conference ICITAICT 2K24
Professional membership if any	1. The Indian Society of Technical Education (ISTE) Life Member : LM132983 2. The Institutions of Engineers (India) Associate Member : AM3198173

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