

Name	Mrs. Kajal Pradeep Khalate						
Department	Information Technology						
Designation	Assistant Professor						
Area of Specializations	Deep Learning, Machine Learning, AI						
Date of Joining the Institute	31/08/2024						
Email Id	kajal.khalate@vpkbiet.org						
Qualifications	ME Electronics. Ph D (CSE) Pursuing						
Vidwan Profile							
Total Experience	Teaching	2.2 Years	Industry	1.1 Years	Research		

Brief Profile :

Kajal Pradeep Khalate received her Bachelor's degree in Electronics and Telecommunication Engineering (E&TC) in 2018 and her Master's degree in Electronics (Digital Systems) in 2020. She is currently pursuing her Ph.D. at Symbiosis Centre for Research and Innovation (SCRI) , Pune. She has been working as an Assistant Professor in the Department of Information Technology at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati, since 31st August 2024. She has teaching experience at the undergraduate level and has taught subjects such as Data Structures, Python Programming, Object-Oriented Programming (OOP), C++, Java, Artificial Intelligence, Logic Design, and Computer Organization. Her areas of interest include Artificial Intelligence, Machine Learning, Deep Learning, and Natural Language Processing (NLP).

Research Profile:

1. Google Scholar,
<https://scholar.google.com/citations?user=FnjFpQEAAAAJ&hl=en>
2. Research Gate
3. SCOPUS
4. ORCID Profile
5. Vidwan ID

Patents:0

Professional Memberships: ISTE

Participation in FDP/STTP:

1. One Week FDP on “Next-Gen AI: Innovations in Machine Learning, Deep Learning, and Generative Models” – 6th to 11th January 2025, Department of Computer Engineering, Marathwada Mitra Mandal’s Institute of Technology, Lohgaon, Pune.
2. One Week FDP on “Intelligent Computing: Exploring Data Science and Artificial Intelligence” – 24th to 28th March 2025, Department of Computer Science and Engineering, Nutan College of Engineering and Research (NCER), Pune.
3. Eight Weeks NPTEL FDP on “Data Science for Engineers” – January to March 2025.
4. One Week FDP on “MATLAB Moves: Trends Shaping Multidisciplinary Engineering” – 1st to 5th December 2025, Institute of Engineering and Technology, Baramati.
5. Four Weeks NPTEL FDP on “Python for Data Science” – July to August 2025.
6. One Week FDP on “Data Analytics Using Power BI” – 28th July to 1st August 2025, organized by Atria Institute of Technology (AIT), Bangalore, and Annasaheb Dange College of Engineering and Technology, Ashta, in collaboration with ExcelR Edtech Pvt. Ltd.
7. One Week FDP on “Internet of Things, Machine Learning, Engineering and Technology, and Artificial Intelligence” – 22nd to 26th June 2026, Vidya Pratishthan’s Shirachandra Pawar Center of Excellence in Artificial Intelligence, Baramati.

Paper Published:

1. Research Paper Presentation – “AI in Military Airplane Detection For Safe City” – Presented at ICAISI-2025, organized by Suresh Gyan Vihar University, Jaipur, held from 30th to 31st May 2025.
2. Research Paper Publication – “Deep Learning-Based Prediction of Leaf Diseases” – Published in the *International Journal of Creative Research Thoughts (IJCRT)*, Volume 13, Issue 1, January 2025; Date of Publication: 1st January 2025.
3. Research Paper Publication – “UNMASKING THE FAKES: DEEPFAKE DETECTION USING DEEP LEARNING” – Published in the *International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)*, Volume 07, Issue 02, February 2025. Paper ID: IRJMETS70200062915.
4. Research Paper Publication – “Blackhole AI: Intelligent Query Routing and Cost-Optimized RAG System” – Published in the *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, Volume 14, Issue VI, June 2026. Paper ID: IJRASET83567.

Certifications:

1. NPTEL Certification – “Data Science for Engineers” – January to March 2025 (8-week course), with a consolidated score of 63%.
2. Certification – “CCNA: Introduction to Networks” – Offered by EdCreate Foundation through the Cisco Networking Academy program; completed on 23rd January 2025.

3. Certification – “CCNA: Switching, Routing, and Wireless Essentials” – Offered by EdCreate Foundation through the Cisco Networking Academy program; completed on 23rd January 2025.
4. Certification – “CCNA: Enterprise Networking, Security, and Automation” – Offered by EdCreate Foundation through the Cisco Networking Academy program; completed on 26th January 2025.
5. NPTEL Certification – “Python for Data Science” – July to August 2025 (4-week course), with a consolidated score of 76%.
6. MATLAB Course Completion Certificate – “Control Design Onramp with Simulink” – Successfully completed 100% of the self-paced training course on 10th December 2025.
7. MATLAB Course Completion Certificate – “Deep Learning Onramp” – Successfully completed 100% of the self-paced training course on 10th December 2025.
8. MATLAB Course Completion Certificate – “Machine Learning Onramp” – Successfully completed 100% of the self-paced training course on 9th December 2025.
9. Udemy Course Completion – “Complete Data Science, Machine Learning, DL, NLP Bootcamp” – Successfully completed the 99-hour course by Krish Naik on 20th March 2026.
10. Udemy Course Completion – “Complete Computer Vision Bootcamp with PyTorch & TensorFlow” – Successfully completed the 59.5-hour course by Krish Naik on 20th March 2026.
11. Certificate of Completion – 5-Day Onsite Refresher Teacher Training Program on AI & Robotics, STEMpedia, Vidya Pratishthan, Mumbai | 26 June 2026.

As a resource person in FDP/STTp

FDP/STTP Organized

Internship/Training/Collaboration with Industry

Awards & Recognition

Grants Fetched