

PCE Faculty publications A.Y 2024-25

Conference publication

1. **Dr. Sachin S. Wani** published the book *Applied Mathematics-I*, including the chapter *Numerical Solutions of Transcendental Equations and System of Linear Equations* (National). Affiliated with PCE, New Panvel.
2. **Dr. Sachin S. Wani** published the book *Applied Mathematics-II*, including the chapter *Numerical Solution of Differential Equations* (National). Affiliated with PCE, New Panvel.
3. **Dr. Kamini Chaudhari** published the book *Applied Mathematics-I*, including the chapter *Partial Differentiation* (National). Affiliated with PCE, New Panvel.
4. **Prof. Payel Thakur** contributed the chapter *Hands Free Mouse Using Facial Expression for Physically Disabled People* to the *Proceedings of the Fourth International Conference on Sentiment Analysis and Deep Learning (ICSADL-2025)* at the *Fourth International Conference on Sentiment Analysis and Deep Learning (ICSADL-2025)* (International). Affiliated with PCE, New Panvel.
5. **Prof. Payel Thakur** contributed the chapter *Chatbot Based Event Planning App* to the *Proceedings of the 5th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications: ICMISC 2024, Volume 1* at the *5th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications (ICMISC 2024)* (International). Affiliated with PCE, New Panvel.
6. **Prof. Krishnendu Nair** contributed the chapter *Geo-Exploration Analysis and Amenities Clustering for Homeseekers and Business* to the *Proceedings of the 3rd International Conference on Science, Technology, Engineering & Mathematics for Sustainable Development* at the *3rd International Conference on Science, Technology, Engineering & Mathematics for Sustainable Development (ICSTEMSD 2025)* (International, February 2025). Affiliated with PCE, New Panvel.
7. **Dr. Prashant Nitnaware** presented *Development of Multistage Machine Learning Classifier Using Decision Trees and Boosting Algorithms* at the *2024 Asian Conference on Intelligent Technologies (ACOIT)* (International, 2024). Affiliated with PCE, New Panvel.
8. **Dr. Prashant Nitnaware** presented *Investigating the Performance of Machine Learning Algorithms Over SMOTE and ADASYN Oversampling Techniques in Darknet Traffic Classifier System* at the *2024 4th Asian Conference on Innovation*

in Technology (ASIANCON) (International, 2024). Affiliated with PCE, New Panvel.

9. **Dr. Prashant Nitnaware** presented *Smart Ways to Reduce Gas Fees for NFT Platforms on the Polygon Blockchain* at the *2024 Asian Conference on Intelligent Technologies (ACOIT)* (International, 2024). Affiliated with PCE, New Panvel.
10. **Dr. Prashant Nitnaware** presented *Maximizing Efficiency in Smart Contract Execution Costs: Techniques for Cost Optimization on Blockchain Networks* at the *2024 International Conference on Integration of Emerging Technologies for the Digital World (ICIETDW)* (International, 2024). Affiliated with PCE, New Panvel.
11. **Dr. Prashant Nitnaware** presented *Smart Retail Solutions through Edge Computing and IoT Automation: Implementing Dynamic Pricing and Real-Time Customer Engagement* at the *2025 IEEE 14th International Conference on Communication Systems and Network Technologies (CSNT)* (International, 2025). Affiliated with PCE, New Panvel.
12. **Dr. Deepa Ekhande** presented *SmartGuard: Support Vector Machine (SVM)-Powered Defensive Mechanism for Phishing Prevention* at the *2nd IEEE Conference on Artificial Intelligence and Quantum Computation-Based Sensor Applications (ICAIQSA-2024)* (International, 2024). Affiliated with PCE, New Panvel.
13. **Prof. Sheetal Gawande** presented *Web Application Security: A Survey* at *ICAHMST-2024* (International, 2024). Affiliated with PCE, New Panvel.
14. **Prof. Sheetal Gawande** presented *Cryptography Techniques to Secure Data in Rest* at *ICETCSE-2025* (International, 2025). Affiliated with PCE, New Panvel.
15. **Prof. Diksha Kale** presented *FinVia – Where Finance Meets Insight* at *ICETES-2025* (International, 2025). Affiliated with PCE, New Panvel.
16. **Prof. Diksha Kale** presented *Explore the Suicidal Notes to Understand the Negation Behavior Behind It Through Multi-Labeled Sentiment Analysis* at *ICETES-2025* (International, 2025). Affiliated with PCE, New Panvel.
17. **Dr. Jinesh Melvin Y. I.** contributed the chapter *Visual Question Answering (VQA) on Radiology Image: A Survey of Methods and Techniques* to the book *Research Advances in Intelligent Computing, Volume 2* (International). Affiliated with PCE, New Panvel.

