

List of Journals

PRAJNA BHUNIA

(1) Optimization of Effluents Using Artificial Neural Network and Support Vector Regression in Detergent Industrial Wastewater Treatment, Cleaner Chemical Engineering, 3 (2022) 100039
<https://doi.org/10.1016/j.clce.2022.100039> Received 13 April 2022; Received in revised form 11 June 2022; Accepted 15 June 2022

DIPLOMA IN COMPUTER SCIENCE & TECHNOLOGY

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(2) Analyzing of salient features and classification of wine type based on quality through various neural network and support vector machine classifiers, Results in Control and Optimization, 11 (2023) 100219
<https://doi.org/10.1016/j.rico.2023.100219> Received 31 January 2023; Received in revised form 18 February 2023; Accepted 26 February 2023

(3) Patent: IoT based Automated Viscometer for Chemicals Issued on 28th June, 2024

(4) Enhancing Network Security: A Comprehensive Analysis of Firewalls and a Novel Framework for Vulnerability and Threat Management, Accepted 12th June, 2024, International Journal of HIT Transaction on ECCN 10.5281/zenodo.14740182

(5) A comparative analysis of multiple approaches machine learning for predicting and analysing urine pH amount, Accepted 4th December, 2024, International Journal of HIT Transaction on ECCN 10.5281/zenodo.14740344

(6) Smart Movie Review Analysis: A Data-Driven Sentiment Classification System, International Journal of HIT Transaction on ECCN. (Accepted) 10.5281/zenodo.14740314

(7) AI-Driven Pneumonia Prediction: Integrating Deep Learning with Clinical Diagnostics, presented on 3rd International Conference on Engineering Design and Computing on 5th February, 2025

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(8) Adaptive Mitigation of Zero-Day Vulnerabilities : The Case of Log4Shell using TF-IDF and Random Forest Classifiers, presented on 3rd International Conference on Engineering Design and Computing on 4th February, 2025

List of Conference

- a. State Level Seminar on "Call Admission Control in Mobile Cellular Network", 15th January, 2009.
- b. State Level Seminar on "Future Trend in Solar Energy Based Systems", 16th January, 2009.
- c. 3rd International Conference on Mathematics and Computing (ICMC2017), at Haldia Institute of Technology, 17-21 January, 2017.
- d. Remark skill Workshop on AI/ML January, 2024 at IIT Kharagpur in association with Kshitij 2024, the techno-management festival at IIT Kharagpur, 20-21 January, 2024.
- e. 4th International Conference on Engineering Mathematics and Computing (ICEMC2024), at Haldia Institute of Technology, 07-09 March, 2024.
- f. One day Seminar on "Awareness of Technology Trends" at Vidyasagar University, 21st June, 2024.
- g. 3rd International Conference on Engineering Design and Computing at Swami Vivekananda University, 04-06 February, 2025

List of Books