M.TECH IN CSE

List of Journals

PRAJNA BHUNIA

(1) OptimizationofEffluentsUsingArtificialNeuralNetwork and Support Vector Regression in Detergent Industrial Wastewater Treatment, Cleaner Chemical Engineering, 3 (2022) 100039 https://doi.org/10.1016/j.clce.2022.100039 Received13April2022;Receivedinrevisedform11June2022; Accepted15June2022

(2) Analyzing of salient features and classification of wine type based on quality through various neural network and support vectormachine classifiers, Results in Control and Optimization, 11 (2023) 100219 https://doi.org/10.1016/j.rico.2023.100219 Received31January2023;Receivedinrevisedform18February 2023; Accepted 26 February 2023

(3) Patent:IOTbasedAutomatedViscometerforChemicals Issuedon28thJune,2024

(4) EnhancingNetworkSecurity:AComprehensiveAnalysis ofFirewalls 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 forpredictingandanalysingurinepHamount,Accepted4th December, 2024, International Journal of HIT Transaction on ECCN 10.5281/zenodo.14740344

(6) SmartMovieReviewAnalysis:AData-DrivenSentimentClassification System, International Journal of HIT Transaction on ECCN. (Accepted) 10.5281/zenodo.14740314

(7) AI-DrivenPneumoniaPrediction:IntegratingDeepLearningwith Clinical Diagnostics, presented on 3rdInternational Conference on Engineering Design and Computing on 5thFebruary, 2025

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

List of Conference

a. StateLevelSeminaron"CallAdmissionControlinMobile Cellular Network", 15th January,2009.

b. StateLevelSeminaron"FutureTrendinSolarEnergy Based Systems", 16th January,2009.

c. 3rd International Conference on Mathematics and Computing (ICMC2017),atHaldiaInstituteofTechnology,17-21January, 2017.

d. RemarkskillWorkshop onAI/MLJanuary,2024atIITKharagpurin associationwithKshitij2024,thetechno-managementfestivalatIIT Kharagpur, 20-21 January, 2024.

e. 4th International Conference on Engineering Mathematics and Computing(ICEMC2024) ,atHaldiaInstituteofTechnology,07-09 March, 2024.

f. OnedaySeminaron"AwarenessofTechnologyTrends"at Vidyasagar University, 21st June, 2024.

g. 3rd InternationalConferenceonEngineeringDesignand Computing at Swami Vivekananda University, 04-06 February, 2025

List of Books