

Employee ID : GIST/ICARE/0176



PRAJNA BHUNIA

### INFO

DEPARTMENT : DIPLOMA IN COMPUTER SCIENCE & TECHNOLOGY

DATE OF JOINING : 21ST AUGUST 2023

NUMBER OF BOOK PUBLISH : 0

NUMBER OF JOURNAL PUBLISH : 8

NUMBER OF CONFERENCE : 7

### EXPERIENCE

TEACHING : 0

INDUSTRY : 0

IN GIST 2 YEAR 3 MONTH 23 DAY

### CONTACT



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### EDUCATION

M.TECH IN CSE

#### List of Journals

(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

(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

(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”, 15<sup>th</sup>January,2009.
- b. StateLevelSeminaron“FutureTrendinSolarEnergy Based Systems”, 16<sup>th</sup>January,2009.
- c. 3<sup>rd</sup> International Conference on Mathematics and Computing (ICMC2017),atHaldiaInstituteofTechnology,17-21January, 2017.
- d. RemarkskillWorkshop onAI/MLJanuary,2024atITKharagpurin associationwithKshitij2024,thetechno-managementfestivalatIIT Kharagpur, 20-21 January, 2024.
- e. 4<sup>th</sup>International Conference on Engineering Mathematics and Computing(ICEMC2024) ,atHaldiaInstituteofTechnology,07-09 March, 2024.
- f. OnedaySeminaron“AwarenessofTechnologyTrends”at Vidyasagar University, 21<sup>st</sup>June, 2024.
- g. 3<sup>rd</sup> InternationalConferenceonEngineeringDesignand Computing at Swami Vivekananda University, 04-06 February, 2025

#### List of Books