

| International Conference on Smart Systems and Wireless Communication (SSWC-2024) Organized by Dept. of Information Technology Venue: JIS College of Engineering, Kalyani, West Bengal, India | |
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| Program Schedule | |
| 29 th November, 2024 [Friday] | |
| 09:30 - 10:00 | Registration and High Tea |
| INAUGURAL SESSION: [DR. B.C.ROY AUDITORIUM] | |
| 10:00 - 10:10 | Lighting of Lamp and Saraswati Vandana |
| 10:10 – 10:20 | Welcome Address by Prof. (Dr.) Partha Sarkar –Principal, JIS College of Engineering |
| 10:20 – 10:30 | Address by Sardar Taranjit Singh , Managing Director, JIS Group |
| 10:30 – 10:40 | Address by Mr. Simarpreet Singh , Director, JIS Group |
| 10:40 – 10:50 | A brief about the Conference-Thematic Address: Prof. Rituparna Chaki , University of Calcutta, General Chair-SSWC 2024 |
| 10:50 – 11:00 | Address by Prof. Agostino CORTESI , Ca' Foscari University of Venice, Italy, General Chair-SSWC 2024 |
| 11:00 – 11:10 | Address by 'Padma Shri' Prof. Ajay Kumar Ray , Guest of Honour, SSWC2024 |
| 11.10 – 11.15 | Vote of Thanks by Dr. Soumyabrata Saha , Convener SSWC2024 |
| KEYNOTE ADDRESS | |
| 11:15 – 12.00 | Keynote Address-I Prof. Nabendu Chaki , University of Calcutta |
| 12.00 – 12.45 | Keynote Address-II Prof. Ewa Lukasik , Poznan University of Technology, Poznan, Poland |
| 12.45 - 13.30 | Keynote Address-III 'Padma Shri' Prof. Ajay Kumar Ray , Director, JISIASR |
| 13.30 – 14.15 | Lunch |
| 14.15 – 15.00 | Keynote Address-IV Prof Viraj Kumar , IISC Bangalore |
| 15.00 - 15.45 | Keynote Address-V Dr. Debabrata Nayak , Director Cyber Security, PwC |
| TECHNICAL SESSION | |
| Technical Session-IA: Algorithms (Seminar Room- I) | |
| 16:00 – 17:45 | Person Independent Hand Gesture Recognition using Media-Pipe and Multi-Layer Perceptron [SSWC:17] |
| | A Holistic Approach to the Prediction of Football Matches using Machine Learning [SSWC:103] |
| | Real Time Traffic Monitoring using Roadside Digital Camera [SSWC:231] |

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| | A Gender Classification for Scylla olivacea (Indian Crabs) using Deep Convolution Neural Network [SSWC:233] |
| | Bone Tumor Detection and Classification Using Googlenet Algorithm [SSWC:75] |
| | A Novel channel selection and classification in motor imagery for brain computer interface using Meta heuristic algorithms [SSWC:177] |
| | Ahead of the Curve: Predictive Maintenance Solutions for Modern Automobiles [SSWC:191] |
| Technical Session-IB: Security Solutions (Seminar Room- II) | |
| 16:00 – 17:00 | Hyperledger Fabric Network Deployment Controller [SSWC:44] |
| | Challenges in Security and Mitigation Measures at Different Purdue Model in Industrial Control Systems [SSWC:112] |
| | Graph Based Approaches in Cybersecurity: A Comprehensive Survey [SSWC:122] |
| | An Architecture for Phishing URL Detection using Concatenated Features [SSWC:24] |
| Technical Session-IC: Smart System and Networks (Seminar Room- III) | |
| 16:00 – 17:45 | A Self-Regulating Error Correction Technique for Data Transmission in Wireless Acoustic Sensor Networks [SSWC:207] |
| | Water Quality Prediction in Aquaculture (WQPA) Using Machine Learning and Internet of Things [SSWC:76] |
| | Design of a Smart Road Accident Management Framework using Federated Learning [SSWC:127] |
| | Enhanced Clustering and Channel Allocation in Wireless Mesh Networks [SSWC:32] |
| | Enhancing The Longevity Through Improved Leach Protocol with Fuzzy Logic In Cognitive WSN [SSWC:150] |
| | Enhancement in Loop Prevention Protocols: Dynamic Per-VLAN Multi-Shortest Path Bridging (DV-MPB) [SSWC:176] |
| | Post-Operative Smart Healthcare Kit [SSWC:89] |
| Technical Session-ID: Security Solutions (Seminar Room- II) | |
| 17.15 - 18.30 | Quantum-Resistant Lattice-Based Cryptography for Secure UAV Communications [SSWC:190] |
| | Anomaly-based Detection of Log4j Attack in SDN [SSWC:128] |
| | Machine Learning-Driven Android Malware Detection: Techniques and Performance Analysis [SSWC:155] |
| | Cyber Forensic Investigation-A Hunt for Windows Registry [SSWC:194] |
| | A Proposed the Multi-Modal Approach to Detect Cyberbullying in Multi File Format- An Empirical Study [SSWC:208] |
| 18:30 – 20:30 | Dinner |
| 30th November,2024 [Saturday] | |
| 10:00 – 10.45 | Keynote Address-VI Prof. Agostino CORTESI , Ca' Foscari University of Venice, Italy [General Chair-SSWC 2024] |
| 10.45 – 11.30 | Keynote Address-VII |

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| | Prof. Rajkumar Buyya , University of Melbourne, Australia |
| 11.30 - 12.15 | Keynote Address-VIII Prof. Sudip Misra , IIT Kharagpur |
| Technical Session-IIA: Deep Learning and NLP (Seminar Room - I) | |
| 12:30 – 14:00 | Emotion Recognition System using Indian Music for Therapeutic Cause [SSWC:51] |
| | Exploring The Extractive Method of Text Summarization [SSWC:95] |
| | A Comparative Study of Bitcoin Price Prediction using Various Deep learning models [SSWC:133] |
| | Detection of Brain Tumor using U-Net Model Approach [SSWC:143] |
| | A Survey on Recent Advancements in Neural Machine Translation [SSWC:158] |
| | Image Captioning using VGG-16 and VGG-19: A Mixed model Approach [SSWC:163] |
| Technical Session-IIB: Machine Learning and Applications (Seminar Room - II) | |
| 12:30 – 14:00 | Enabling Independence: Machine Learning-Driven Obstacle Detection for the Visually Impaired [SSWC:25] |
| | Supervised Machine Learning Methods and Its Application on Automated Telecom Fraud Detection [SSWC:29] |
| | Medical Image Noise Reduction Methods Based on Cutting-Edge Hybrid Filtering Design [SSWC:109] |
| | A Intelligent Heart Disease Prediction utilizing Decision Tree optimized through Particle Swarm Optimization [SSWC:135] |
| | Parkinscan: A Web-based Parkinson's Disease Detector based on Machine Learning to detect the presence of Parkinson's Disease in human beings [SSWC:185] |
| | Examining the Accuracy of Machine Learning Classification Models in Stroke Prediction [SSWC:209] |
| 14.00 - 14.45 | Lunch Break |
| Technical Session-IIC: Deep Learning and NLP (Seminar Room - I) | |
| 14.45 – 16.00 | Robust Human Target Detection and Acquisition through Deep Learning [SSWC:204] |
| | Text Based Sentiment Analysis: Experimentation with CNN and Basic Machine Learning Approaches [SSWC:96] |
| | HARQ Soft Combining Using Bidirectional LSTMs [SSWC:33] |
| | Convolutional Block Attention augmented Convolutional Neural Network for Indian Sign Language Recognition System [SSWC:172] |
| | Feature Extraction and Similarity-Based Movie Recommendation Using Bag-of-Words Model [SSWC:196] |
| Technical Session-IID: Machine Learning and Applications (Seminar Room - II) | |
| 14.45 – 16.00 | Psychometric Educational Stress and Anxiety Analysis of Undergraduate Students using Machine Learning Approaches [SSWC:230] |
| | Enhancing Communication with Advanced CNN Models for recognizing American Sign Language [SSWC:210] |

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| | A Homogeneous Federated Learning Approach towards Prediction of Diabetes [SSWC:38] |
| | Breast Cancer Classification using Machine Learning: A Comprehensive Review and Analysis [SSWC:214] |
| | A Comprehensive Study of Boosting Algorithms for Class Imbalance Dataset [SSWC:27] |
| | A Study of Various Machine Learning Models In Public Health Care Sector [SSWC:66] |
| Technical Session-IIIE: Machine Learning and Applications (Seminar Room - III) | |
| 14:45 - 15:30 | Predicting the spread of Covid-19 using Machine as a Service (MaaS) through Modified Apriori Algorithm [SSWC:119] |
| | Course Recommendation System Design using Advanced AI [SSWC:123] |
| | Blockchain-Enabled Transparency in Disaster Relief Supply Chains: A Strategic Framework [SSWC:217] |
| 16.00 - 16.30 | Valedictory Session with Vote of Thanks |