Schedule for Paper Presentations (Offline Mode)
International Conference on Advanced Scientific Computing & Machine Learning (ASCML2026)
February 11, 2026
India Standard Time

VENUE: Room No: D102 (D-Wing) Chair Person: Prof. Vaibhav M.	
Name and Title	Time
Name: Niranjan Kumar M Title: Agentic-Augmented Unified Framework for Anomaly Detection and Regression	5:00PM—5:15PM
Name: Dhrubajyoti Dey Title: A New Nonlinear Hyperbolic Time Fractional Derivative Image Denoising Model	5:15PM—5:30PM
Name: A B Keshav Kumar Title: Machine Learning-Based Efficient data sampling for building Reduced Order Models	5:30PM—5:45PM
Name: Sudha Yada, AMBRISH AWASTHI Title: Strength of Cryptographic Quasigroup Primitives and Maurer's Universal Test	5:45PM—6:00PM
Name: Amit Kumar Pal Title: A posteriori error analysis of the weak Galerkin method for parabolic problems with discontinuous coefficients	6:00PM—6:15PM
Name: Mayuri Verma Title: GPU acceleration of modified LU-SGS based implicit kinetic meshfree method for compressible flows	6:15PM—6:30PM
Name: Ridham Patel Title: Capturing High Frequency Features using HF-Boost based Spectrally Adaptive Physics-Informed Neural Networks	6:30PM—6:45PM
Name: Ridham Patel Title: Multi-Diagnostic Ensemble for Physics-Informed Neural Networks	6:45PM—7:00PM

VENUE: Room No: D104 (D-Wing)
Chair Person: Prof. Mukesh Kumar Nagar

Name and Title	Time
Name: Ridham Patel Title: Multi-Stage Physics-Informed Neural Network for Jet Flame Emission Modelling	5:00PM—5:15PM
Name: Shilpa Dey Title: A novel neural network method based on Jacobi wavelets for solving nonlinear ordinary differential equations	5:15PM—5:30PM
Name: Heeraballabh Khanduri Title: ASPINNs: Auxiliary enhanced sparse physics-informed neural networks to solve the integro-delay differential equation with bioscience application	5:30PM—5:45PM
Name: Chirag P Rao Title: Blockchain Based Land Registry	5:45PM—6:00PM
Name: Shreyas B Title: AUTOMATIVE MARINE TRASH COLLECTOR	6:00PM—6:15PM
Name: Nikunj K. Joshi Title: Intelligent Multi-Objective Portfolio Optimization Model for Non-Agricultural Commodity	6:15PM—6:30PM
Name: Soumi Mahato Title: Designing a Robust, Bounded, and Smooth Loss Function for Improved Supervised Learning	6:30PM—6:45PM
Name: Sudhir Srivastava Title: An Efficient Hybrid Approach and Web Tool for Imputation of Missing Values in Proteomics Expression Data	6:45PM—7:00PM

VENUE: Room No: A501 (A-Wing)
Chair Person: Prof. Devika S.

Name and Title	Time
Name: Princekumar D. Patel Title: Multi-class Classification using Fuzzy Twin Support Vector Machine with Centered Kernel Alignment	5:00PM—5:15PM
Name: Harreeshnarain S Title: Efficient DNN Classification of Diabetic Retinopathy with Explainable AI	5:15PM—5:30PM
Name: Subham Patel: Title: Wavelet Neural Operator for Thunderstorm Prediction	5:30PM—5:45PM
Name: Upasnaben Dilubhai Vala Title: Numerical Investigation on Ternary Hybrid Ferrofluid Flow with Velocity Slip and Magnetic Dipole using Cubic B-spline Collocation Approach	5:45PM—6:00PM
Name: Bhatt Vishwa Rajesh Title: Computational Analysis of Optimal Policies for Mitigating Marburg Virus Disease Using a Multi-Pathway Transmission Model	6:00PM—6:15PM
Name: MANOJ KUMAR, TARUN YADAV, SHWETA SINGH, SUDHA YADAV Title: Analysis of Dynamics F-Function: Full round Integral Distinguisher for Lightweight Cipher SLIM-DDL	6:15PM—6:30PM
Name: Dattavi Padhiyar Title: Sustainable Fuzzy Multi-objective Multi-dimensional Travelling Salesman Problem and its Solution by Evolutionary Approaches	6:30PM—6:45PM
Name: Vanapala Nikhil Varma Title: Constraint-Aware SDE Denoising: Uncertainty-Guided Restoration for Multiplicative Noise Removal	6:45PM—7:00PM

VENUE: Room No: A506 (A-Wing)
Chair Person: Prof. Ratikanta Behera

Name and Title	Time
Name: Kanav Singh Rana Title: Transformer-based Koopman Autoencoder for Linearizing Fisher, Äôs Equation	5:00PM—5:15PM
Name: Abhishek Singh Title: Modeling and forecasting health expenditure in India from 1992-2030: an ARIMA approach	5:15PM—5:30PM
Name: N.Satish Title: A Hybrid AI Driven Cryptology and Cybersecurity Model for Future Ready Digital Infrastructure	5:30PM—5:45PM
Name: Aditi Sharma Title: Performance-Driven Design of Physics-Informed Neural Networks for Solution of Fractional Differential Equations	5:45PM—6:00PM
Name: Rohit Raj Sharma Title: Exploring the Design of Ring signature Schemes based on Supersingular Isogeny	6:00PM—6:15PM
Name: Shlok Mehendale Title: A Radon–Nikodým Perspective on Anomaly Detection: Theory and Implications	6:15PM—6:30PM
Name: Rashmi R Title: Multimodal RAG for Unstructured Data: Leveraging Modality-Aware Knowledge Graphs with Hybrid Retrieval	6:30PM—6:45PM
Name: Nikita Chaudhary Title: A study on fractional tumor immune interaction model by semi-analytic and numerical approach	6:45PM—7:00PM

VENUE: Room No: A507 (A-Wing)
Chair Person: Prof. Safique S. Ahmad

Name and Title	Time
Name: Sahil Sadarangani Title: Knowledge Graph and RAG Driven Framework for Structured Knowledge Discovery in Low Temperature Plasma Research toward Green Energy Applications	5:00PM—5:15PM
Name: Libin Varghese Title: Estimation of Energy Distribution Functions in Low Temperature Plasma using Deep Neural Networks	5:15PM—5:30PM
Name: Meghna Desai Title: Towards Accurate Automated Detection of Foot Strike Events from Motion Capture Data in Pathological Gait	5:30PM—5:45PM
Name: T N Mithun Title: TrueMedia AI	5:45PM—6:00PM
Name: Charishma Bollineni Title: An Explainable Multimodal Deep Learning Framework for Pneumonia Detection	6:00PM—6:15PM
Name: Deepak Gupta Title: QPINNs: Quantum Physics-Informed Neural Networks for Solving Partial Differential Equations	6:15PM—6:30PM
Name: Binita Nath Title: Drug release from a compound droplet under the influence of shear	6:30PM—6:45PM
Name: Debangana Sarkar Title: Machine Learning-Based Forecasting of Camera Temperature in Ground-Based Gamma Ray Astronomy: A Comparative Analysis	6:45PM—7:00PM

VENUE: Room No: A602 (A-Wing) **Chair Person: Prof. Danumjaya P.**	
Name and Title	Time
Name: Veydant Katyal Title: Physics-Informed Neural Networks for Volatility Surface Reconstruction under Financial PDE Constraints	5:00PM—5:15PM
Name: Anurag Singh Title: Modeling Moose-Wolf interactions in Isle Royale National Park using sparse identification of nonlinear dynamics	5:15PM—5:30PM
Name: Naveen Chandra Bhagat Title: The Convergence of Newton-Steffensen method under Lipschitz continuous second derivative	5:30PM—5:45PM
Name: Gouranga Mallik Title: A Hybrid High-Order Finite Element Method for a Nonlocal Nonlinear Problem of Kirchhoff Type	5:45PM—6:00PM
Name: Sanjay Kumar Mohanty Title: Hybrid Quantum Classical Encoder Decoder Generative Adversarial Network Model for Stock Price Prediction	6:00PM—6:15PM
Name: Aniruddha Seal Title: C0 interior penalty method for time- fractional Cahn- Hilliard equation	6:15PM—6:30PM
Name: Aishwarya Jaiswal Title: A uniformly convergent numerical method for singularly perturbed 2D parabolic reaction-diffusion problem with interior layers	6:30PM—6:45PM
Name: Anjuman Title: Solution of a nonlinear reaction advection diffusion equation using a Hybrid Adam and L-BFGS based Physics-Informed Neural Network	6:45PM—7:00PM

VENUE: Room No: A604 (A-Wing)
Chair Person: Dr. Sarishti Singh/ Prof. Pravati Swain

Name and Title	Time
Name: Rajat Jaiswal Title: Attention-Enhanced LSTM Forecasting and Mean--CVaR Portfolio Construction: A Hybrid Deep Learning Approach	5:00PM—5:15PM
Name: Shubhrangshu Ghosh Title: An Artificial Intelligence-based framework for protein interaction design with accelerated KAN-based Positive-Unlabeled learning	5:15PM—5:30PM
Name: Aakash Chandhoke Title: Route Optimization for Emergency Vehicles through Traffic Simulation and Algorithmic Planning using SUMO	5:30PM—5:45PM
Name: Armaan Mittal Title: Scalable Multilingual Content Validation: A Dataset-Free Approach to Gibberish Detection	5:45PM—6:00PM
Name: Aryan Tony Johnson Title: An Interactive Reverse Turing Test Framework to Uncover Bias in AI-Powered Recruitment	6:00PM—6:15PM
Name: Sumit Title: Set strongly star-Rothberger and set star-Rothberger spaces	6:15PM—6:30PM
Name: Sydel Wivel Afonso Title: A Framework for Simulating an In-Store Navigation System by Implementing Crowd-Aware Optimized Path-Finding Methods Using A* and Theta* Algorithms	6:30PM—6:45PM
Name: Sonu Kumar Title: An efficient non-convex fractional order total variation model for image restoration using ADMM technique	6:45PM—7:00PM

VENUE: Room No: C402 (C-Wing) Chair Person: Dr. Pradeep B.	
Name and Title	Time
Name: Soumee Bakshi Title: Optimizing Alzheimer's Disease Detection Through integrated Machine Learning Techniques	5:00PM—5:15PM
Name: Rajeshwar Tripathi Title: Quantum Fourier Transform,ÄìBased Denoising: Unitary Filtering for Enhanced Speech Clarity	5:15PM—5:30PM
Name: Ravi Mahla Title: Magnetic field and Chemical reaction effect on Jeffrey fluid flow between rotating discs using artificial neural network	5:30PM—5:45PM
Name: .Srinivasan K Title: Optimization of Fuzzy EOQ Using Triangular Neutrosophic Fuzzy Number with Machine Learning	5:45PM—6:00PM
VENUE: Room No: C403 (C-Wing) Chair Person: Prof. Himadri Mukherjee	
Name: Gagandeep Kaur Title: Over-parameterized and Decentralized Federated Learning over Multiple-Access Channels: Challenges, Design, and Convergence Insights	5:00PM—5:15PM
Name: Anju Title: Adaptive Multi-Scale Uncertainty-PINN (AMSU-PINN)	5:15PM—5:30PM
Name: K T Title: From PINNs to Painlev Analysis: Revealing and Validating Quasi-Integrable Structures in a Nonlinear PDE	5:30PM—5:45PM
Name: Saksham Kiroriwal Bayesian Optimization using Partially Observable Gaussian Process Network	5:45PM—6:00PM

Online Presentations
Chair Person: Prof. J.K. Sahoo & Prof. Pravati Swain
Link: https://meet.google.com/uya-bhwa-xrg

Name and Title	IST Time
Name: Gagandeep Kaur Title: Over-parameterized and Decentralized Federated Learning over Multiple-Access Channels: Challenges, Design, and Convergence Insights	3:45PM—4:00PM
Name: Gajjar Ruchiben Hiteshbhai Title: Meta-heuristic Optimization Using Computational Intelligence for Multi-Objective University Course Scheduling with Faculty Satisfaction	4:00PM—4:15PM
Name: Ajay S Title: ViT-based Triplet Embeddings with Metric Learning and Lightweight Classifiers for Fingerprint Recognition	4:15PM—4:30PM
Name: Dhanya Parameshwar Bhat Title: Entangled Benchmarks: Benchmarking Novel Quantum Dataset for Hamiltonian Prediction	4:30PM—4:45PM
Name: Banashree Ghosh Title: A COMPARATIVE STUDY OF NEURAL ODE AND UNIVERSAL ODE APPROACHES TO SOLVING SIQRDV EPIDEMIOLOGICAL MODEL	4:45PM—4:00PM
Name: Harini Priya S Title: TECHNOLOGICAL CHALLENGES AND FUTURE ANALYSIS OF SUSTAINABLE ELECTRIC MOBILITY SYSTEMS USING DEEP LEARNING ALGORITHMS	5:00PM—5:15PM
Name: Om Bhagat Title: ZTML: A Zero-Knowledge and TEE-Enabled Framework for Cryptographically Verifiable Machine Learning Inference	5:15PM—5:30PM
Name: Anju Title: Causal Gradient-Enhanced Physics Informed Neural Networks with Adaptive Shock Detection	5:30PM—5:45PM
Name: Shruti Agrawal Title: Identification of a Novel miRNA Expression Signature for Lung Adenocarcinoma Using Systematic Machine Learning Optimization	5:45PM—6:00PM
Name: Prisha Gupta Title: Comparing Deep Learning Based Models for Brain Tumor Classification	6:00PM—6:15PM
Name: S.Revathi Title: A Hybrid AI Driven Cryptology and Cybersecurity Model for Future Ready Digital Infrastructure	6:15PM—6:30PM
Name: Rama Krushna Rath Title: Federated Learning for Brain Tumor Classification in Distributed Healthcare Systems	6:30PM—6:45PM
Name: Priya Singh Title: A Light Weight Deep Neural Network Architecture with Feature Fusion Approach for Improved Coronary Artery Disease Classification	6:45PM—7:00PM
Name: Simone Cuconato Title: Data Mining Meets Mathematical Logic: a logical approach for metadata analysis from biomedical articles	7:00PM—7:15PM