7th International Conference on Artificial Intelligence and Speech Technology
AIST 2025

Program Schedule
Inauguration Session

27th November, 2025

Time	Schedule
10:00 AM - 10:15 AM	Networking
10:15 AM – 10:20 AM	Kulgeet of the University and Lighting of Lamp
10:20 AM – 10:25 AM	Welcome of Guests
10:25 AM – 10:30 AM	Inaugural Address by Organizing Chair, AIST 2025
10:30 AM – 10:35 AM	Presidential Keynote Address by General Chair, AIST-2025
10:35 AM – 10:40 AM	Address by Guest of Honor
10:40 AM – 10:45 AM	Address by Chief Guest
10:45 AM – 10:50 AM	Release of Conference Souvenir
10:50 AM – 10:55 AM	Presentation of Mementoes to the Guest
10:55 AM – 11:00 AM	Vote of Thanks by Technical Program Committee Chair
11:00 AM – 12:00 PM	High Tea

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Program Schedule

Day 1: 27th November, 2025	
Online Mode Time: 12:00 PM – 12:30 PM Venue: Seminar Hall	**Keynote Address 1: Prof. Carolyn Penstein Rose, Kavčić-Moura Professor of Language Technologies and Human-Computer Interaction, School of Computer Science, Carnegie Mellon University, Pittsburgh** Recent Advances and Opportunities for Conversational AI in support of Collaborative Learning and Work
Offline Mode Time: 12:30 PM -01:45 PM Venue: Conference Hall	**Technical Paper Presentation 1:** Speech Recognition-signal processing, Acoustic modelling, language modelling
Offline Mode Time: 12:30 PM - 01:45 PM Venue: Seminar Hall	**Technical Paper Presentation 2:** NLP, Computer Vision, Recent Trends in AI, ML and DL
Online Mode Time: 12:30 PM - 01:45 PM Venue: IT-209	**Technical Paper Presentation 3:** Recent Trends in Artificial Intelligence, Machine Learning, and Deep Learning
Offline Mode Time: 02:15 PM – 03:00 PM Venue: Seminar Hall	**Keynote Address 2: Dr Goh Wei Wei, Taylor's University, Malaysia** Enhancing Educators' Empathy and Understanding of Autism Students Through Immersive Simulation.
Offline Mode Time: 03:00 PM – 04:30 PM Venue: Seminar Hall	**Technical Paper Presentation 4:** NLP and AI
Online Mode Time: 03:00 PM – 04:30 PM Venue: Conference Hall	**Technical Paper Presentation 5:** Recent Trends in AI, ML& DL and Speech Recognition-signal processing
Online Mode Time: 03:00 PM – 04:30 PM Venue: IT-209	**Technical Paper Presentation 6:** Computer Vision and Artificial Intelligence
Day 2: 28th November, 2025	
Online Mode Time: 10:00 AM – 10:45 AM Venue: Conference Hall	**Keynote Address 4: Dr. Mani Madhukar, IBM**
Online Mode Time: 10:45 AM - 12:15 PM Venue: Seminar Hall	**Technical Paper Presentation 7:** Computer Vision and Artificial Intelligence
Online Mode Time: 10:45 AM - 12:15 PM Venue: Conference Hall	**Technical Paper Presentation 8:** NLP and AI
Online Mode Time: 10:45 AM - 12:15 PM Venue: IT-209	**Technical Paper Presentation 9:** Recent Trends in Artificial Intelligence, Machine Learning, and Deep Learning
Online Mode Time: 12:15 PM – 01:00 PM Venue: Seminar Hall	**Keynote Address 5: Mr. Chirag Agrawal, Amazon, USA** Designing Agentic Loops that Actually Ship
Online Mode Time: 01:30 PM – 02:15 PM Venue: Seminar Hall	**Keynote Address 6: Dr. Rajesh Kumar, Thapar University**
Online Mode Time: 02:15 PM – 03:00 PM Venue: Conference Hall	**Technical Paper Presentation 10:** NLP and AI
Online Mode Time: 02:15 PM – 03:00 PM Venue: Seminar Hall	**Technical Paper Presentation 11:** Computer Vision and Artificial Intelligence
Online Mode Time: 02:15 PM – 03:00 PM Venue: IT 209	**Technical Paper Presentation 12:** Computer Vision and Artificial Intelligence
Offline Mode Time: 03:30 PM	**Valedictory Session**

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Technical Paper Presentation – Track 1

Date: 27th November, 2025   **Time: 12:30 PM – 01:45 PM**
Mode: Offline   **Venue: Seminar Hall**

Sno	Paper ID	Paper Title	Main Author
1	190	Music Generation from Real-Time Weather Data for an Immersive User Experience	Preeti Anand Paschapuri, Diksha Dilip Nalawade, Rahul Kundaragi, Basavaraj Ishwar Mujagoni, Swati Mavinkattimath
2	256	An ENF Feature-based Machine Learning Framework for Audio Deepfake Detection and Forensic Authentication	Soham Gangopadhyay, Inderpreet Singh, Prateek Pandya, Ashish Mani, Sumit Goswami
3	276	Transparent and Accountable Multimodal Generative AI for Speech Technologies	Reyan Vaghela, Sanket Prajapati, Bhavik Tadvi, Kaushal Baraiya
4	278	A Critical Analysis of End-to-End ASR Models for Air Traffic Control Speech	Utkarsha Singh, Margamitra Bhattacharya, Radhakant Padhi
5	381	An AI-Driven Evaluation and Recommendation Personalized Therapy – Managing Articulation Speech Disorders Audio-to-Text	Azad Singh, Neel Mani, Shastri Nimmagadda
6	417	Streamlining Phonetic Transcription through Parameter-Efficient Fine-Tuning: A Low-Rank Adaptation Method for Converting Text into the International Phonetic Alphabet	Azad Singh, Neel Mani, Shastri Nimmagadda
7	452	Empirical Evaluation of Machine Learning and Deep Learning in Speaker Recognition	Kirti Sharma, Shobha Bhatt
8	708	Sequence-to-Sequence Neural Models with Attention for Automatic Sandhi Segmentation in Sanskrit	Vidushi Talwar, Aparna Kaushik, Amita Dev, Poonam Bansal
9	724	A Systematic Review on Translation of Low Resource Languages Using Machine Translation System with Reference to Quality Estimation	Swikruti Nayak, Nisheeth Joshi

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Technical Paper Presentation – Track 2

Date: 27th November, 2025   Time: 12:30 PM – 01:45 PM

Mode: Offline   Venue: Conference Hall

Sno	Paper ID	Paper Title	Authors
1	27	HTHTA-ViT++: An Explainable and Efficient Vision Transformer with Hierarchical GRU-Guided Token Attention	Simer Khurmi, Naincy Yadav, Prisha Sharma, Vidushi Arora , Aruna Tomar and Kanchan Sharma
2	68	Optimized CNN Architecture for Character Identification in Real-World Google Street View Imagery	Saachi Bansal, Ishita Paul, Himani Agarwal, Shweta Jindal
3	292	Multimodal Fusion Framework for Group Emotion Understanding	Shristi Singh, Tripti Yadav, Rishabh Sharma, Sudhir Singh, Rahul Katarya
4	308	Attention Augmented Feature Transformation for Automated Fundus Image Analysis	Geethanjali Kher, Rahul Katarya, Rajni Bala, Vanshika Singh, Ram Pal Singh
5	385	SSF-3DRTL: Spectral–Spatial Feature Learning via 3D Residual Network Transfer Learning for Hyperspectral Remote Sensing	Ravikant Kumar Nirala, Gautam Kumar, Rishav Singh, Chandra Prakash4
6	451	A Hybrid Deep Learning Model Fusing DenseNet-169 and Vision Transformer for Diabetic Retinopathy Classification	Sripriya Agarwal, Shaivi Goel, Sakshi Sahu, Ruchika Bala, Nidhi Goel
7	975	Smart Parking System Using IoT Sensor for Urban Mobility & Urbanization	Gendlal M Vaidya, Shraddha Vaidya, Anmol Dabare, Ansh Gupta, Harshvardhan A. Moundekar, Sarvesh A. Veginwar, Hrushikesh Thombare, Hrushikesh Thombare
8	1009	Performance Analysis of FedAvg and FedAdam for Privacy-Preserving Federated Image Forensics on IID and Non-IID Data Distributions	Lashika Bhartiya, Charu Gupta, R K Singh
9	1017	Sustainability Assessment of Wheat In Uttar Pradesh Using Water Footprint Approach	Anusha Singh, Himanshi Suman, Ritu Rani, Shiv Narayan Nishad, Shiv Narayan Nishad

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Technical Paper Presentation – Track 3

Date: 27th November, 2025   Time: 12:30 PM – 01:45 PM

Mode: Online   Venue: Auditorium

Sno	Paper ID	Paper Title	Author
1	117	A Dual-Level Carbon Emission Reduction Framework Using Equilibrium Optimizer and Tabular Graph Neural Networks	Nyasa Singh, Jasmine Selvakumari Jeya, Aadya Chauhan, Ayush Kushwah, Avnish Singh, Vansheeka Jain
2	146	QuantumSim: Practical Simulation and Analysis of Discrete-Time Quantum Walks on Line and Cycle Graphs	Karuna Kadian, Sunita Garhwal, Ajay Kumar
3	199	Privacy-Preserving Generative AI (GAI): Exploring GAI Model Variants to Create Synthetic Data Without Compromising Privacy	Shashank Agarwal, Sumeer Basha Peta
4	296	Prediction of Terror Attacks in India using Machine learning Algorithms	Devika Kanyal, Sumeer Basha Peta, Prachi Rawat, Sakshi Mittal, Shweta Jindal
5	304	Formal Verification of Health-Critical Wearables for Reliable Data Monitoring	Muskan Garg, Jhanvi Madan, Soni SharmaAnkita Ghosh, Shweta Jindal
6	416	Enhancing Cyber Threat Detection with SHAP-Explainable Model	Khushi Kankheria, Khushi Kankheria, Jyoti Shokeen
7	494	Predictive Analytics for Retail: An Evaluation of Forecasting Techniques	Hiba Ali, Ashiya Garg, Isha Malhotra, Nirma Peter, Nidhi Goel
8	506	From Patterns to Predictions: A Review of Candlestick Chart based Forecasting through Data-Driven Modeling	Ruchika Saini, Nupur Prakash, Shraddha Arora
9	562	Generative Adversarial Imputation Network based Explainable Model for Diabetes Mellitus Prediction	Rupali Ahuja, Gaurav Indra, Deepak Kumar Sharma

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Technical Paper Presentation – Track 4

Date: 27th November, 2025   Time: 03:00 PM – 04:30 PM

Mode: Online   Venue: Seminar Hall

Sno	Paper ID	Paper Title	Main Author
1	7	Automated Resume Screening System Using NLP and Machine Learning	Faizan Ali Jafari, Rajbala Simon
2	141	Modeling Uncertainty in Ontology Reasoning with Bayesian Graph Neural Networks	Harsh Vardhan, Suresh Kumar
3	142	Improving Fake News Detection with Advanced Pre-Trained Models and Statistical Analysis	Mohini Chakarverti, Anurag Goswami, Rohit Kumar Kaliyar
4	232	Advancing Mental Illness Detection from social media Using Domain-Specific and General-Purpose Transformer Models	Faheem Ahmad Wagay, Jahiruddin
5	290	Evaluating Named Entity Recognition Models on Indian English News Headlines	Arya Tayshete
6	306	Semantic Alignment of Multilingual Knowledge Graphs via Contextualized Vector Projections	Abhishek Kumar
7	366	Performance Analysis of Text Spam Classification Using is Convolutional Neural Network Model	Lipsa Das, Laxmi Ahuja, Adesh Pandey
8	410	Leveraging AI-Driven Bots for Comprehensive Mental Health Support and Predictive Counseling	Nilesh U. Sambhe, Atharva Shewale, Aditya Bandawar, Kartik Narule, Abhinav Rathod, Akshara Gaygaye
9	411	Predictive Analysis and Review of Cardiovascular Diseases in Women Using Artificial Intelligence with Clinical and Ethical Implementation Issues	Pallavi Upadhyaya, Pradeep Tomar

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Technical Paper Presentation – Track 5
Date: 27th November, 2025   **Time: 03:00 PM – 04:30 PM**
Mode: Online   **Venue: Conference Hall**

Sno	Paper ID	Paper Title	Author
1	11	The Intersection of AI and Medicine: Exploring the Future of Drug Repurposing	Namita Joshi, Himanshu Joshi, Rhea Wadhwa, Neha Joshi, Karuna Dhaundhiyal, Jyoti Gwasikoti
2	12	Smart Supply Chains: Blockchain-Driven Traceability for Goods and Transactions	Saurav Singh, Rajbala Simon
3	108	Developing A Multi-Disease Risk Prediction Model Using Machine Learning	Praveen Kumar, Sachin Gupta, Babita Yadav, Bhoomi Gupta
4	138	Generative AI for 3D Molecular Structure Prediction Using Diffusion Models	Raghab Singh
5	188	Forecasting Healthcare Infrastructure Demand via a Hybrid TCN–GNN Attention Deep Learning Framework	Rini Saxena, Ranjna Jain, Nripendra Narayan Das, Rosy Madaan
6	216	Face Track AI: A Modular Attendance and Emotion Monitoring System Using Deep Learning and Blockchain	Devanshi Bahl, Vivek Kumar, Kiranjeet Kaur Sandhu
7	419	Enhancing Hindi Speech Recognition Using Regularization Techniques	Divya Taneja, Shobha Bhatt
8	492	Dynamic Infection Detection in Graphs: An LSTM-Centrality-Kalman Approach	Narjis Fatima, S. A. M. Rizvi
9	596	Efficiency and Precision of clinical Image processing using AI-Powered Machine Learning Models	J.Senthil, Benila M, D.Kanchana, Senthil Murugan M, Riham Alkabbji, Sourabh Kumar

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Technical Paper Presentation – Track 6

Date: 27th November, 2025   Time: 03:00 PM – 04:30 PM

Mode: Online   Venue: Mini Conference Hall

Sno	Paper ID	Paper Title	Main Author
1	107	System For Recognizing Currency Through Image Processing	Sai Srija Mundru, Siva Dhanush Naidu Gandham, Benzimen Koduru, Sreekanth Danda, Rajini Parimala, Divya Kumari Tankala
2	254	Automated Classification of Date Palm Leaf Diseases Using Deep Learning	Puttaswamy M R, Muhammad Nauman Bashir, Jayakumari C, Santhosh John, Santhosh John, Aisha Al Masroori
3	267	Underwater Image Captioning in the Wild: Real-World Constraints, Datasets, and Research Opportunities	Bommisetty Sanjana, Abhinav Ravi, Vadada Samruth Patnaik, A S Venkata Praneel, Rita Roy, T Srinivasa Rao
4	303	Deep Learning-Based Prediction of River Morphological Changes Using Sentinel-2 Imagery	Kavita Kathane, T Srinivasa Rao, T Srinivasa Rao, T Srinivasa Rao, Preyansh Raut
5	310	AI-Powered Nutritional Label Analysis Using Vision Transformer and GNN for Ingredient Standardization and Regulatory Compliance	Kavita A Kathane, Nileshsingh V.Thakur, Sarang Khonde, Priyanshu Marodkar, Himanshu Jadhao
6	349	Automated TB Detection from X-rays: Comparative Performance and Interpretability Analysis of CNN, ViT and Hybrid Deep Learning Models	Vanita Jain, Gouri Dahiya, Aryan Yadav
7	376	Comprehensive Review on IoT Architectures for Maternal and Fetal Health Monitoring in High-Risk Pregnancies	Ganesh Yenurkar, Janhavi Shinde, Tanvi Raut, Vaishnavi Khangar, Rishabh Hudekar, Ronit Thool
8	383	Crop Recommendation System for Precision Agriculture Using Machine Learning	Sravani Nimmadala, Muppalaneni Subhashini, Sarika Savarapu, 4thKatayani Kaligathi, Korra Uttam, Ch. Latha, Renatta Joseph
9	439	Cross-Linguistic Vowel Recognition from Spectrograms: A YOLOv5-based Computer Vision Framework for Forensic Phonetics	Soham Gangopadhyay, Arpit Raj, Sumit Goswami, Inderpreet Singh, Prateek Pandya, Ashish Mani

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Technical Paper Presentation – Track 7

Date: 28th November, 2025   **Time: 10:45 AM - 12:15 PM**

Mode: Online   **Venue: Seminar Hall**

Sno	Paper ID	Paper Title	Main Author
1	40	Deep Learning-Based Automated Identification of Date Fruit Varieties Using CNNs	Raghavendra Sridhar, Raghavendra Sridhar, Rashi Nimesh Kumar Dhenia, Ishva Jitendrakumar Kanani, Premlata Chopra, Premlata Chopra, Deepak Banerjee,
2	43	Apple Leaf Disease Classification Using a Pre-Trained VGG19 Convolutional Neural Network	Rashi Nimesh Kumar Dhenia, Vishnu Kant, Raghavendra Sridhar, Ishva Jitendrakumar Kanani, Gurpreet Singh, Deepak Banerjee
3	46	Automated Tyre Quality Classification Using EfficientNetB0 for Safer Roads and Efficient Maintenance	Raghavendra Sridhar, Vishnu Kant, Rashi Nimesh Kumar Dhenia, Ishva Jitendrakumar Kanani, Gurpreet Singh
4	49	Advancements in Banana Leaf Disease Detection through MobileNetV3	Ishva Jitendrakumar Kanani, Vishnu Kant, Rashi Nimesh Kumar DheniaRaghavendra Sridhar, Lekha Rani Bhambhu, Deepak Banerjee
5	53	A Deep Learning Framework for Crisis-Level Detection of Tan Spot Infection in Wheat Crops	Ishva Jitendrakumar Kanani, Harishchander Anandaram, Raghavendra Sridhar, Rashi Nimesh Kumar Dhenia, Vatsala Anand, Gaurav Sharma, Deepak Banerjee
6	78	Early Detection of Knee Osteoporosis Utilizing a Fine-Tuned VGG19 Model on X-ray Images	Ishva Jitendra Kumar Kanani, Nabanita Roy, Rashi Nimesh Kumar Dhenia, Raghavendra Sridhar, Jhulan Kumar, Gaurav Sharma, Deepak Banerjee
7	79	Deep Learning-Based Automated Identification of Date Fruit Varieties Using CNNs	Ishva Jitendrakumar Kanani, Tanmaya Darisi, Rashi Nimesh Kumar Dhenia, Raghavendra Sridhar, Jhulan Kumar, Gaurav Sharma, Deepak Banerjee
8	164	Comparative Evaluation of Pretrained CNN Models for Alzheimer´s MRI Classification Using XGBoost Classifier	Shalini Tyagi, Monica Mehrotra, Arpita Aggarwal
9	313	Detection of Image Forgery using CNN with Generative Adversarial Network-Based Augmentation and Error Level Analysis	Sony Rajput, Arjun Ajit

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Technical Paper Presentation – Track 8

Date: 28th November, 2025   Time: 10:45 AM - 12:15 PM

Mode: Online   Venue: Conference Hall

Sno	Paper ID	Paper Title	Author
1	264	AI-Enabled MOOC Instructional Design: A PRISMA-Based Systematic Review of Recent Trends and Applications	Tulika Bansal, Anjali Shokeen
2	280	Integrated LLM for Effective Messaging	Sony Rajput, Jeebananda Panda, Kapil Sharma
3	282	Neural Collaborative Filtering for Book Recommendation	Sameeksha Tripathi
4	414	Contextual Understanding in Retrieval-Augmented Generation: A Comparative Evaluation of BLOOM-560M and Pythia-410M on Bhagavad Gita Interpretation	Divyansh, Hardik Yadav, Aryan Rawat
5	472	GMT-Former A Gated Multi-modal Transformer for Indian Sign Language Translation	Chirag Bhardwaj, Ayush Parashar, Sharon Nayak, Anuradha Taluja
6	487	Predictive GIS Modelling for Renewable Energy Site Suitability Using LLM Reasoning Pipelines	Dhruv Dawar, Shivya Khandpur, Sneha Roychowdhury, Arun Sharma
7	542	Sentiment Classification Using FastText Embeddings and Bi-LSTM Networks	Richa Awasthi, Amod Tiwari
8	564	Feasibility-Aware Real-Time Travel Planning with Natural Language Processing and Multimodal Data Retrieval Using Collaborative Synchronization	Viswanthan S S, Abirami M K
9	725	Benefits and Challenges of Applying Navya Nyaya in Natural Language Processing	Swati Vijay, Richa Sharma, Nisheeth Joshi

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Technical Paper Presentation – Track 9

Date: 28th November, 2025   Time: 10:45 AM - 12:15 PM

Mode: Online   Venue: Mini Conference Hall

Sno	Paper ID	Paper Title	Author
1	233	Enhanced Ovarian Cancer Detection Using CA125 Biomarker and Machine Learning Algorithms	Venkata Raghavendra Miriampally, I V Prakash, SravanKumar Pidugu, D Satheesh
2	247	Multi-Agent Systems for Collaborative and Distributed Decision-Making: Design and Applications	Abhinav Dubey, Ritu Gautam, Sandhya Mishra
3	273	Advancing AI-Driven Disease Diagnosis: A Hybrid MDCN and Transfer Learning Framework for Brain Tumor Diagnosis	Neetu Settia, Pawan Kumar Singh, Monica Bhutani
4	287	The Evolution of Chaotic Cryptography A Comparative Study of Fixed Versus ML-Optimized Parameters	Nishil Jain, Samrudhi Patil, Sarvesh S Patil, Preeti Godabole, Divyang Jadav
5	299	AI-Powered Symptom-Based Full-Day Diet Planner	Jiwan N. Dehankar, Mehul Kohad, Ujjwal Bokde, Vaideesh Deshmukh, Aditya Dharpure, Ayush Meshram, Sakshi Dhumane
6	305	Advanced Credit Card Fraud Detection Using Optimized Random Forest and Hybrid ELM with Ensemble Learning	Amit Kumar Yadav, Vandana Khanna
7	495	Real-Time Crowd Density Monitoring System	Suhas Bhise, Vaishali Jabade, Shrivardhan Baviskar, Tejas Beldar, Aakanksha Chitte
8	597	Optimization of Operations in Industry 4.0 Settings with Real-Time Predictive Maintenance Working with Machine Learning	S.B. Prakalya, V. Seethalakshmi, Ramamoorthy R, G Kumaran, Haribabu.k, T.C.Manjunath
9	718	Reinforcement Learning in Decentralized Exchanges: Adaptive Market-Making and Liquidity Management	Mohd Shahid Ali, Monika Mittal, Alam Ahmad, Afzalur Rahman, Mohd Atif

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Technical Paper Presentation – Track 10

Date: 28th November, 2025   Time: 02:15 PM – 03:00 PM

Mode: Online   Venue: Seminar Hall

Sno	Paper ID	Paper Title	Author
1	38	Next-Gen ISP-Based Content Filtering System Using AI and Age-Aware Regulation	Hamdan Zaman Khan, Harsh Yadav, Shivam Verma, Varun Shukla, Himanshu Sachan, Anay Gupta
2	77	LSTM Architecture Based Classification of True and Fake News	Rashi Nimesh Kumar Dhenia, Raghavendra Sridhar, Deepak Banerjee, Ishva Jitendra kumar Kanani, Pummy Dhiman, Gaurav Sharma
3	156	AI Powered Chatbot for Customer Churn Management in Telecom Sector Using RAG and Predictive Analytics	Arathi Mohan, Athul Zacharia Alex, Neha P S, Elvin Kuruvilla
4	257	Deep Pulse: Exploring Bi-LSTM, GNN and GAN Models for Heart Disease Prediction	Sreyas Sunmesh, Nikhil Mohammed, Harshita Srivastava, Gaurav Jain, Aastha Nagar Jasmine Selvakumari Jeya I
5	260	A Hybrid Self-Supervised Framework for Intelligent Data Imputation Using Causal Graphs, Diffusion Models, and Generative World Learning	Shivam Kumar Singh, Paras Kumar Yadav, Pragati Kumar, Abhishek Kumar, Sharik Ahmad, Himani Tyagi
6	448	A Review on Personalize Mental Health Chatbot Using Sentiment and Emotions Analysis	Ganesh Yenurkar, Aditya Meshram, Purushotam J. Assudani
7	488	Turning Research Papers into Captivating Stories with Smart NLP	Arjun TM, Harsha R, Rathna.R, Maria Anu.V
8	722	Identifying Errors in Machine Translation Outputs Using Automatic Evaluation Metrics	Anushka, Anushna Tripathi, Shikha Chaturvedi, Palak Arora, Nisheeth Joshi,
9	775	Federated Multimodal Deep Learning Framework with Adaptive Feature Selection for Early Diagnosis and Personalized Treatment of Cardiac Diseases	G Mahender, Kabita Thaoroijam

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Technical Paper Presentation – Track 11

Date: 28th November, 2025   Time: 02:15 PM – 03:00 PM

Mode: Online   Venue: Conference Hall

Sno	Paper ID	Paper Title	Author
1	31	A Hybrid GRU-DNN Deep Learning Model for Network Intrusion Detection	Raghavendra Sridhar, Deepak Banerjee, Rashi Nimesh Kumar Dhenia, Ishva Jitendrakumar Kanani,Tanishq Soni, Gaurav Sharma
2	37	A Modular Framework for Decentralized Explainable AI using Blockchain	Anay Gupta, Shivam Verma, Varun Shukla, Himanshu Sachan, Harsh Yadav, Hamdan Zaman Khan
3	50	Towards Fair and Scalable DAO Governance: An NLP-Driven Scoring System for Proposal Evaluation	Harsh Yadav, Shivam Verma, Varun Shukla, Hamdan Zaman Khan, Anay Gupta, Himanshu Sachan
4	225	Development of a Hybrid Machine Learning Framework for Real-Time Financial Fraud Prevention	Pradeep Singh Yadav, Mukul Aggarwal, Prateek Srivastava
5	272	Comparative Analysis of Text-to-Speech Synthesis Systems	Abhishek Tandon, Deep Mehta, Dhairya Kukreja, Dr. Shobha Bhatt, Dr. Geetanjali Garg
6	279	Cross-Lingual Transfer Learning for POS Tagging in Low-Resource Indian Languages: A Hindi–Dogri–Punjabi Case Study	Vipul Saluja, Jyotshna Dongardive
7	332	Leveraging AI and Data-Driven Techniques for Solar Power Prediction	Anjali, Himanshi Kataria, Livya Jajoria, Nirma Peter, Isha Malhotra, Nidhi Goel
8	719	Multimodal Bias-Resilient Next-Gen Explainable AI Moderator for Safer Online Communities	D.S. Deepthi, Elango M, S.K. Dharani, L. Srinivasan
9	926	De Novo Drug Molecule Generation Using Fine-Tuned Generative Models on FDA-Approved Drugs	Vinay Prasad Tamta, Sneha Chauhan, Surendra Singh, Kamal Kumar

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Technical Paper Presentation – Track 12

Date: 28th November, 2025   **Time: 02:15 PM – 03:00 PM**

Mode: Online   **Venue: Mini Conference Hall**

Sno	Paper ID	Paper Title	Author
1	327	Implementation of Hybrid model for Enhanced Crop Yield Prediction using Explainable AI for Precision Agriculture	Sheetal Mavi, Neetu Mittal and Pradeepta Kumar Sarangi
2	339	AttentionUNet++: A Deep Learning Approach to Detect Antigen-Independent Single-Cell Circulating Tumour	Bhawna, Priyanka Meel
3	377	Enhancing Plant Disease Classification through Ensemble Transfer Learning Models	Shubhangi M. Choudhari, Pradnya S. Moon, Renuka M. Raut, Sanjay S. Kalamdhad, Sanket A. Joshi, Praveen H. Sen
4	558	Enhancing Mango Crop Health Monitoring with CNN-KNN Based Image Classification System	Ambika Aggarwal, Ritesh Rastogi, Harishchander Anandaram, Santosh Kumar Upinder Kaur, Anzar Ahmad
5	704	DiCo-AF: A Selective-Attention Feature Extraction and Fusion Model for Potato Disease Detection	Neha, Anuradha Chug, Amit Prakash Singh, V. Shanmugam, Ravinder Kumar
6	713	DeepSketch: An AI-Driven Framework for Automated Forensic Facial Sketch Construction and Recognition	Nagesh U B, Nandini R Boragave, Shubham S Vernekar, Shreya S H
7	721	An Efficient Deep Learning Approach for Skin Disease Prediction with On-Device Mobile Integration	Arvind Kumar Chaudhary
8	730	An Analysis of Leukemia and its Types using Deep Learning Techniques	Parvathi R, Akila S
9	782	Multimodal Emotion Recognition Using Acoustic Features and Deep Language Models	Raghav Mehra, Rohan Raghav, Tarveen Kaur, Aarin Chauhan, Aryan Tomar
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