



GLOBAL AI SUMMIT 2025

International Conference on Artificial Intelligence
and Emerging Technology 2.0

19-21 November 2025 Bennett University, Greater Noida

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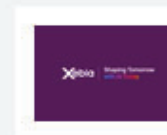
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Message from the Editorial Team

The Global AI Summit 2025 successfully concluded its second edition at Bennett University, India, reaffirming the university's growing prominence as a global hub for Artificial Intelligence research, innovation, and international collaboration. This prestigious event brings together researchers from 25+ countries, showcasing cutting-edge advancements in fields such as Optimization, Artificial Intelligence, Computational Intelligence, Machine Learning, Evolutionary Computation, Cyber Security, Fuzzy Logic, Signal Processing, and various emerging technologies like Blockchain, Cloud Computing, Fog Computing, Internet of Things (IoT), Wireless Sensor Networks, and healthcare applications related to disorders and diseases.

Global AI Summit 2025 aims to inspire collaboration and innovation, particularly in the application of Artificial Intelligence and Computational Intelligence across diverse domains. With participation from global experts, we are confident that the knowledge shared during the conference will enhance everyone's expertise. We extend our heartfelt gratitude to IEEE UP Section for their invaluable technical support and guidance throughout the event. A special thanks to the academicians, authors, delegates, presenters, reviewers, sponsors, visitors, and keynote speakers for their invaluable contributions, which have made Global AI Summit 2025 a remarkable success.

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19-21 NOVEMBER 2025

INAUGURAL SESSION

19th November 2025, 14:00- 16:30 Hrs (IST)

Venue: A-LH-002

14:00 – 14:10 hrs	Invocation and Welcome by Master of Ceremony
14:10 – 14:15 hrs	Welcome Address by Prof. (Dr.) Abhay Bansal , Dean, School of Computer Science Engineering and Technology and Dean, Office of International Affairs, Bennett University, India
14:15 – 14:20 hrs	Address by Prof. (Dr.) Raj Singh , Vice Chancellor, Bennett University, India
14:20 – 14:25 hrs	Address by Mr. Senthil Kumar , Chief Operating Officer, Bennett University
14:25 – 14:35 hrs	Address by Guest of Honour, Prof. Richard Follett , Vice President and Deputy Vice Chancellor (Global) at the University of Exeter, UK
14:35 – 14:45 hrs	Address by Guest of Honour, Prof. Robin Banerjee , Pro-Vice-Chancellor-Global and Civic Engagement, University of Sussex, UK
14:45 – 14:55 hrs	Release of IEEE Abstract Booklet & MoU Signing
14:55 – 15:05 hrs	Address by Guest of Honour, Dr Nachiketa Chakraborty , University of Reading, UK
15:05 – 15:15 hrs	Address by Guest of Honour, Dr Vijay Laxmi , Director of Information Security, Iron Mountain, USA
15:15 – 15:25 hrs	Address by Guest of Honour, Dr. Raghav Vadhera , Principle AI and Cyber Scientist, Raytheon Technologies, USA
15:25 – 15:35 hrs	Address by Guest of Honour, Prof. Mohammad Rihan , Chair Elect, IEEE UP Section, AMU Aligarh
15:35 – 15:45 hrs	Address by Guest of Honour, Dr. Buddha Chandrasekhar , CEO, Anuvadini AI and COO, AICTE, Ministry of Education
15:45 – 15:55 hrs	Address by Guest of Honour, Mr. Amit Chopra , Ex- Principal Technical Program Manager, Microsoft, USA
15:55 -16:05 hrs	Address by Guest of Honour, Dr. Ankit Agrawal , Northwestern University, USA
16:05 -16:15 hrs	Address by Guest of Honour, Ms Eshita Gupta , Lead Program Manager, Apple, USA
16:15 -16:20 hrs	Vote of Thanks by Prof. (Dr.) Shailesh Tiwari , Joint Dean, SCSET, Bennett University

19th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Prof. (Dr.) Yang Xiang, Professor, Swinburne University of Technology, Australia on “Fortifying AI: From Training to the Real World”**

Venue: 126 NCA

External Session Chair: Dr. Nachiketa Chakraborty, University of Reading, UK

Internal Session Chair: Dr. Neeraj Baghel, Bennett University

10:00 Hrs - 11:30 Hrs

Session 1.1

Paper ID	Paper Title & Authors
732	Enhancing Student Mental Health Sentiment Analysis Using BERT and Blockchain for Secure Peer-to-Peer Data Sharing Authors: Jain, Apoorv; Patel, Pray; Tripathi, Dr Arun; Kaur, Dr Mandeep
1039	Comparative Study of Deep Learning Models for Nail Disease Classification Authors: Agnihotri, Diya; Kaur, Bhavpreet; Dhiman, Vinay; Chauhan, Amit; Mohana, Rajni
717	An Empirical Evaluation of LLMs in Identification of Sarcasm from Roman Code-Mixed Social Media Posts Authors: Singh, Rahul; Kumar, Ranjeet; Kumar, Abhinav
183	Air Quality Forecasting Using Machine Learning Techniques Authors: Shrivastava, Rajesh; Singh, Divyanshi; Srivastava, Ananya
980	Deep Transfer Learning for Detecting Plant Diseases: A Comparative Analysis Authors: Anwar, Khalid; Nijhawan, Siddhant; Sharma, Garvit; Aggarwal, Ishan
290	Advancement in Ransomware Detection Using Deep Learning Authors: Batra, Sonali; Kumar, Shobhit; Shukla, Vardaan; Kumar, Sanjay; Shrivastava, Rajesh Kumar

19th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Prof. Ts. Dr. Nur Izura Udzir, Professor, University Putra Malaysia, Malaysia on**
“Anomaly-Based Intrusion Detection Systems in IoT: Leveraging Machine Learning, Deep Learning, and Reinforcement Learning”
Venue: 127 NCA

External Session Chair: Prof. Dinesh Kumar Vishwakarma, Delhi Technological University

Internal Session Chair: Dr. Nitin Shelke, Bennett University
10:00 Hrs - 11:30 Hrs

Session 1.2

Paper ID	Paper Title & Authors
865	FootTrack: Real-Time Player Speed and Possession Analytics in Football Using YOLOv8 Authors: Madan, Parul; Vishnoi, Ankit; Pant, Varun; Ghildiyal, Sumedha; Kumari, Shivani; Arya, Pradeep Kumar
864	EfficientNetB3 for the Early Detection of Alzheimer's Disease Authors: Bisht, Devansh; Madan, Parul; Vishnoi, Ankit; Upadhyay, Ujjaval; Pant, Varun; Kumar Arya, Pradeep
1387	Cloud-Enabled IoT for Smart Dermatology: A Machine Learning Approach Authors: Pattnayak, Parthasarathi; Mohanty, Arpeeta; Patnaik, Sanghamitra; Sahu, Shashwata; Singh, Bhupinder; Chandra, Saurabh
703	Classification of DDoS Attacks and Flash Events Using Machine Learning: Comparative Evaluation on CIC and Simulated Datasets Authors: Nag, Urvashi; Challa, Rama Krishna; Vishwasrao Patil, Nilesh; Bhardwaj, Aditya
227	Decoding User Behavior: Leveraging Deep Learning Techniques for Behavioral Analytics Authors: Sharma, Anupam; Kumar, Dhananjay; Verma, Pooja; Walia, Jagdeep
722	A Modular Machine Learning Framework for Personalized Health Monitoring and Risk Prediction Authors: Nair, Aswathy; Pandit, Sonukumar; Thara, Mohamad Yasin; Singhal, Shilpa; Mohan, Monisha

19th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Prof. Ts Dr. Murali Raman, Asia Pacific University, Malaysia on “VUCA to VUCAD World: India’s Strategic Role”**

Venue: 128 NCA

External Session Chair: Dr. Mantosh Biswas, Delhi University

Internal Session Chair: Dr. Hardeo Kumar Thakur, Bennett University

10:00 Hrs - 11:30 Hrs

Session 1.3

Paper ID	Paper Title
342	Brain Tumor Detection (Brain Check) Authors: Shekhar, Shashank; Bhatt, Prasoon; Das, Meghali
685	SlideBERT-DTI: An Improved Framework Using Deep Learning-Based Approach for Drug-Target Interaction Prediction Authors: Mittal, Ashima; Rani, Poonam; Jain, Ankush
757	A Systematic Review of Deep Learning Methods for Fundus Image-Based Diabetic Retinopathy Classification Authors: Arora, Yojna; Jha, Jai Ranjan
789	Financial Institution Customer Segmentation Using Unsupervised Learning – A Data-Driven Approach to Customer Profiling Authors: Tiwari, Shivam; Vijh, Garima; Kaushika, Nisha; Vijh, Surbhi; Kumar, Sumit; Rastogi, Krati
1673	Adaptive AI-KM Readiness in India’s Defense Ecosystem: A Multidimensional Benchmark and Roadmap Authors: Sharma, Amandeep; Sidharth, Sumati

19th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Prof. (Dr.) Katina Michael, Arizona State University,**
USA on “Intelligence Analysis with AI: Socio-Technical Impacts”

Venue: 216 NCA

External Session Chair: Dr. Simranjit Singh, National Institute of Technology (NIT) Jalandhar

Internal Session Chair: Dr. Umesh Gupta, Bennett University

10:00 Hrs - 11:30 Hrs

Session 1.4

Paper ID	Paper Title
1773	Malaria Detection with Convolutional Neural Networks: An Accurate and Automated Framework Authors: Das, Soumyasis; Nasra, Parul
1785	Early Detection of Cucumber Leaf Diseases with VGG16 for Smart Agricultural Monitoring Authors: Kant, Vishnu
1789	Deep Learning Approach for Accurate Detection of Common Leaf Diseases in Crops Authors: ., Rajkumar; Kant, Vishnu
1790	Thyroid Disease Identification via EfficientNetB2: Leveraging Deep Neural Networks for Early Detection Authors: Verma, Goldy
1792	Efficient Rice Grain Classification Using MobileNetV2 Architecture Authors: Verma, Goldy
107	Application to Estimate & Optimize Travelling Expenses Authors: Jain, Sarika; Singh, Ajay Vikram; Sharma, Harshit

19th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Mr. Huy Nguyen, Founder and CEO, Enfue, Vietnam**
on “AI Impacts to Software Engineering

Venue: 318 NCA

External Session Chair: Prof. (Dr.) Shailendra Kumar, Delhi Technological University

Internal Session Chair: Dr. Vikas Jain, Bennett University

10:00 Hrs - 11:30 Hrs

Session 1.5

Paper ID	Paper Title
1349	Boosting Texture-Guided Deep Network Accuracy for Brain Tumor MRI Classification via EB0-Bor-RF Framework Authors: Golash, Richa; Goyal, Ankush
723	In-Memory Malware Evasion and Analysis: A Comprehensive Survey Authors: M, Manjula; S Halalli, Akash; N Yaligar, Tejas; R Bhagath, Karthik; Mohammed Amaan, Syed
727	Deep Transfer Learning-Based System for Binary Classification of Oral Cancer in Histopathological Images Authors: Chaudhary, Anmol; Pant, Swati; Joshi, Aditya; Diwakar, Manoj; Juyal, Amit; Rana, Samir
228	An Adaptive Queue Partitioning Approach for Load Balancing to Improve QoS in Cloud Computing Systems Authors: Panda, Rabinarayan; Padhy, Sasmita; Suman, Preetam; Dash, Sachikanta; Siddiqui, Masood H; Kumar, Naweem

19th November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: **Keynote Address by Dr. Shuki Idan, Senior Advisor, Dailoqa on “Inside the Mind of Agentic AI: Why Autonomous Agents are Transforming How Work Gets Done”**

Venue: 126 NCA

External Session Chair: Dr. Raghav Vadhera, Boston

Internal Session Chair: Dr. Mukund Pratap Singh, Bennett University

11:30 Hrs- 13:30 Hrs

Session 2.1

Paper ID	Paper Title
184	Design and Implementation of JARVIS: A Personalized AI-Powered Desktop Assistant Authors: Chauhan, Sudhanshu; Alam, Mahfooz; Chatterjee, Soumyajit; Maheshwari, Vasu; Singh, Ranvijay
158	Smart Wellness through Conversational AI: Building FitVore with Gemini for Personalized Health Coaching Authors: Tyagi, Vaidehee; Alam, Mahfooz; Sharma, Vaibhav; Baliyaan, Sonal
579	Urban Digital Twins for Sustainability: Singapore’s Implementation and Applicability in Indian Smart Cities Authors: Chandra, Sneha; Atrey, Aniruddh; Pandey, Pragya; Sharma, Dolly; Mittal, Mamta
654	SegFormerDiffusion: A Transformer–Diffusion Hybrid for High-Resolution Potato-Leaf Lesion Segmentation Authors: Kohli, Chandni; Chug, Anuradha; Singh, Amit Prakash; Kumar, Ravinder; Shanmugam, V
276	Enhanced IoT Edge Security: A Lightweight Multi-Layer Protocol Framework for Resource-Constrained Devices Authors: Kushwaha, Ajay; Nassir El-Anqoudy, Nassir Ali; Chaturvedi, Ravi Prakash; Hakim Adolfo, Mark William
331	A Comprehensive Review of the Convergence of Quantum Computing and Finance Authors: Aggarwal, Arnav; Agarwal, Pranav

19th November 2025
Time: 11:30 Hrs – 13:30 Hrs

**11:30 Hrs- 12:00 Hrs: Keynote Address by Mr. Amit Chopra, Ex- Principal Technical Program Manager,
Microsoft, Seattle, USA, on “When Human Intelligence Meets Artificial Intelligence: Lessons in
Innovation from Microsoft, Google, Meta & Amazon”**

Venue: 127 NCA

External Session Chair: Prof. (Dr.) Nehal Shukla, Columbus State University, USA

Internal Session Chair: Dr. Karnika Dwivedi, Bennett University

11:30 Hrs- 13:30 Hrs

Session 2.2

Paper ID	Paper Title
1418	A Systematic Review of Emerging Techniques in Credit Card Fraud Detection Authors: Mukherjee, Debadrita; Pandey, Nidhi; Rajput, Pushpendra
1423	An Intelligent Machine Learning Framework for Predicting Bank Customer Churn Authors: Meenakshi, KM; Sanket, Kumar
1436	Econometric vs. Deep Learning in Volatility Forecasting: A Comparative Risk-Based Validation Authors: Mishra, Gaurav; Pant, Kamal; Pant, Alka
1519	Cross-Domain Sentimental Analysis in Healthcare Using Explainable AI Authors: Tayal, Shivangi
1575	SmartPlantID: A Multimodal AI System for Plant Species Identification Authors: Kamra, Vikas; Sisodiya, Anwita; Shardul, Ayushi; Khandelwal, Divey

19th November 2025
Time: 11:30 Hrs – 13:30 Hrs

**11:30 Hrs- 12:00 Hrs: Keynote Address by Dr. Vijay Laxmi, Director of Information Security,
Iron Mountain, USA on “Cybersecurity in the Age of AI: Risks, Defense & Responsible
Innovation”**

Venue: 128 NCA

External Session Chair: Dr. Shiraj Khurana, Gautam Budha University

Internal Session Chair: Dr. Dileep Yadav, Bennett University

11:30 Hrs- 13:30 Hrs

Session 2.3

Paper ID	Paper Title
1671	SimuCare: Intelligent Health and Performance Simulation Authors: Kamra, Vikas; Negi, Aryan; Devanshu, Rishabh
1712	Medicinal Plant Identification and Phytochemical Recognition using Dual Channel CNN with Explainable AI Authors: Singh, Yamini; Dubey, Sanjay Kumar
1635	Quantum-Inspired AI for Predictive Financial Modeling: Unlocking the Next Frontier in Algorithmic Trading Authors: Ali, Mohd; Ali, Mohd Shahid; Siddiqui, Taufeeque Ahmad; Rahman, Afzalur; Hayat, Mohsina; Wiquar, Refia
1636	Neuromorphic Computing and AI-Driven Risk Assessment: Toward Ultra-Low Latency Financial Decision Systems Authors: Ali, Mohd; Ali, Mohd Shahid; Atif, Mohd; Siriman, Naveen; Rahman, Afzalur; Siddiqui, Taufeeque Ahmad
1341	Cloud Computing Insider Attack Using Machine Learning Authors: Singh, Rahul; Singh, Kiran; Sinha, Rudra Kumar; Supriya, .; Chaudhary, Shobha
1355	Energy Management System Using AWS IoT Authors: Akhtar, Sohail; Choudhary, Rahul; Gupta, Anjali; Raj, Gaurav

19th November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: **Keynote Address by Ms. Eshita Gupta, Apple, USA on “Trust-First Data Foundations: Modernizing Enterprise Analytics for a Privacy-First Future”**
Venue: 216 NCA

External Session Chair: Dr. Sonika Dahiya, Delhi Technological University

Internal Session Chair: Dr. Madhuri Gupta, Bennett University

11:30 Hrs- 13:30 Hrs

Session 2.4

Paper ID	Paper Title
1400	Evaluating Software Testing Techniques Through Bayesian Data Analysis Authors: Mukherjee, Papiya
1710	PokeClinicX: Enhancing Recruitment Rate in Clinical Trials through Predictive Modeling Authors: Verma, Mukesh; Sharma, Aayush; Yashita, Yashita; Tripathi, Yash; Sharma, Chetna; Sharma, Ankita
1720	A Lightweight CNN-Based Approach for Automated Jellyfish Species Classification Using Image Data Authors: Rani, Ritu
1726	EfficientNetB0-Based Deep Learning Model for Accurate Classification of Wheat Leaf Diseases Authors: Rani, Ritu
1727	Optimizing Mango Disease Detection with EfficientNetB0: A Deep Learning Approach Authors: Sharma, Jatin
1732	Scalable Tea Leaf Disease Detection Using a Fine-Tuned EfficientNetV2B3 Model Authors: Chauhan, Shanvi

19th November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: Keynote Address by Dr. Ankit Agrawal, Northwestern University, USA on
“AI and High-Performance Data Mining for Accelerating Science and Engineering”

Venue: 318 NCA

External Session Chair: Dr. Ankit Agarwal, Northwestern University, USA

Internal Session Chair: Dr. Ishan Budhiraja, Bennett University

11:30 Hrs- 13:30 Hrs

Session 2.5

Paper ID	Paper Title
1038	Children’s Data Protection in Smart Educational Platforms: Addressing Privacy Risks in Intelligent Communication Systems Authors: Mallick, Navonita; Sahu, Shashwata; Nanda, Dr. Hiranmaya; Pattnayak, Parthasarathi; Das, Tulip
1049	Fine-Tuned Xception Model for Automated Classification of Indian Rock Reptiles: A Deep Learning Approach to Python and Russell's Viper Identification Authors: Sharma, Jatin
1053	Smart Diagnosis: Fine-Tuned ResNet-18 for Automated Malaria Detection from Blood Smear Images Authors: Kaur, Arpanpreet
1056	Deep Transfer Learning for Poultry Disease Classification: A Case Study with EfficientNetB3 Authors: Chauhan, Shanvi
1065	A Deep Learning Approach for Binary Classification of Bone Fractures in Multi-Region X-ray Images Authors: ., Bhoomika
1070	Efficient Classification of Fish Diseases from Skin Images Using ResNet50 and Transfer Learning Authors: RANI, RITU

19th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Prof. (Dr.) Jon Dron, Associate Dean, Athabasca University, Canada on “ Reflections on the Human Nature of Blockchain”**

Venue: 126 NCA

External Session Chair: Dr. Vijay Kumar Yadav, Indira Gandhi Delhi Technical University for Women

Internal Session Chair: Dr. Ajay Kumar, Bennett University and Dr. Deval Verma, Bennett University

16:00 Hrs – 18:00 Hrs

Session 3.1

Paper ID	Paper Title
811	A Smart Helmet Solution for Mining Safety Using IoT and Wearable Sensing Technologies Authors: Riti, Ranya; Dhangar, Jatin; Tiwari, Shivam
873	Analysis of Trends and Innovations in Spam Comment Detection Using AI Authors: Sharma, Shilpa; Saraswat, Shipra; Gupta, Subhash Chand
1137	Impact of Artificial Intelligence on Digital Personal Data: An Analysis of Citizen Awareness and Statutory Guidance for AI-Based Data Processing in India Authors: Arjun, Arjun; Ahmad, Dr. Khaleeq
1313	Intelligent Safety Monitoring in Mining: Smart Helmets with Anomaly Detection and Fatigue Assessment Authors: Riti, Ranya; Dhangar, Jatin; Tiwari, Shivam; Rai, Anurag
1144	A Secure Aggregation-Based Comparative Analysis of Federated Learning Algorithms on Human Activity Recognition Data Authors: GUDE, DHANVANTH KUMAR; Raavi, Vamshi Krishna; Bandari, Harshavardan ; Challa, Anjani Kumar Reddy; Kumar, Siddharth
1850	Human Activity Recognition Reimagined: The CGRNHAR Self-Supervised Approach Authors: GUDE, DHANVANTH KUMAR; Challa, Anjani Kumar Reddy; Bandari, Harshavardan; Raavi, Vamshi Krishna; Kumar, Siddharth

19th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: Keynote Address by Prof. (Dr.) Bhuvanesh Unhelkar, University of South Florida, USA on “From Firefighting to Foresight: Cybersecurity and Digital Leadership”
Venue: 127 NCA

External Session Chair: Dr. Avinash Srivastava, International Management Institute, Kolkatta

Internal Session Chair: Dr. Rohit Kaliyar, Bennett University

16:00 Hrs – 18:00 Hrs

Session 3.2

Paper ID	Paper Title
1077	Automated Cardiomegaly Detection Using Deep Learning: A DenseNet121-Based Approach for Chest X-Ray Classification Authors: Nasra, Parul
1089	A DenseNet121-Based Approach for Accurate Multi-Class Satellite Image Classification in Remote Sensing Applications Authors: Tuteja, Gaurav
1094	ResNet50-Powered The Deep Learning Model for Accurate Geospatial Image Interpretation Authors: Tuteja, Gaurav
1095	Automated Malaria Detection Using VGG19: A Deep Learning Approach to Blood Smear Classification Authors: Tuteja, Gaurav
1102	Deep Learning for Coffee Leaf Disease Detection: Convolutional Neural Networks in Agricultural Applications Authors: Kant, Vishnu
1115	Tomato Leaf Disease Detection Using a Hybrid of CNN and Whale Optimization Algorithm Authors: Singh, RajSimar; Singh, Law; Gupta, Vishan Kumar; Kaur, Manjot

19th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Prof. (Dr.) Arun K Somani, Senior Associate
Dean, Iowa State University, USA on “Reliable Early Skin Cancer Detection”**

Venue: 128 NCA

External Session Chair: Dr. Pardeep Singh, Delhi University

Internal Session Chair: Dr. Madhushi Verma, Bennett University

16:00 Hrs – 18:00 Hrs

Session 3.3

Paper ID	Paper Title
821	Early Detection of Diabetes Using Machine Learning Algorithms: A Comparative Study Authors: Raj, Manak; Raj, Aditya; Mishra, Nidhi; Mala, Shuchi; Gupta, Aakanshi
845	A Survey of Arithmetic Optimization Algorithm in Wireless Sensor Networks Authors: Mazumder, Tahira; Reddy, B.V.R; Payal, Ashish
952	CDR-Based Grading of Glaucoma Severity Using Segmentation and Classification on Retinal Fundus Images Authors: Kumar, Sumit; Yadahalli, Chaitra N; K S, Sujatha
1533	Transforming Healthcare Delivery through AR and VR: A Comprehensive Survey Authors: Khan, Reshma; Kaswan, Suresh
1567	Establishing Quantum-Classical Trust: Initialization and Key Exchange Phase Authors: Chanda, Partha; Tonoy, Md Thouhedul Alam; Baveja, Mannu; Abrar, Mohammad Yasir Bin Taleb
1367	Unveiling Sentiment Nuances: Comparative Study on Aspect-Based Sentiment Analysis Approaches Authors: Goyal, Neha; Bansal, Rajiv

19th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Mr. Prakhar Mittal, Principal Analyst, AtriCure,**
USA on “AI Reshaping the Future of Product Development”

Venue: 216 NCA

External Session Chair: Dr. Surendra Nagar, Netaji Subhas University of Technology, Delhi

Internal Session Chair: Dr. Ashish Kumar 2, Bennett University

16:00 Hrs – 18:00 Hrs

Session 3.4

Paper ID	Paper Title
1249	Automated Brain Tumor Detection in MRI Images Using ResNet50 with CBAM and Transfer Learning Authors: Singh, Laxman; Kumar Purwar, Ravindra
1372	IoT-Based Stove Shutoff System Using Arduino Authors: Nadeem, Saad; Mahmood, Umar; Syed, Ashhar Ali; Rastogi, Krati; Vijh, Surbhi
1377	Attributes in a Learning Environment Based on Games: An Overview Authors: Tyagi, Mayank; Agarwal, Reshu; Rai, Amrita
729	Real-Time AI-Driven Monitoring of ICU Patients for Early Detection of Acute Respiratory Distress Syndrome (ARDS) Authors: Vedula, Jagadeesh; Davlatovich, Pirjanov Sarvarbek; Aminqulov, Shakhrijakhon; Gururani, Samriddhi; Babaxanovna, Dilduza Abdullayeva; Masharipova, Gularam
849	An Explainable Federated Learning Framework for Privacy-Preserving Medical Diagnosis on Edge Devices Authors: Deep, Paras; Kumar Verma, Mukesh; Singh, Simarpreet; Upadhaya, Dharmesha; Jass, Ayushi; Mahajan, Shilpa
1701	Advancing Breast Cancer Detection Through ConvNeXt-Tiny and Attention-Based Deep Learning Authors: Mehra, Gunjan; Manchanda, Mahesh; Shuaib, Mohd; Joshi, Aditya; Diwakar, Manoj; Juyal, Amit

19th November 2025
Time: 16:00 Hrs – 18:00 Hrs

**17:30 Hrs- 18:00 Hrs: Keynote Address by Prof. (Dr.) Gautam Srivastava, Brandon University,
Canada on “Federated Learning for Data Privacy”**

Venue: 318 NCA

External Session Chair: Prof. (Dr.) Saumitra Mukherjee, Jawaharlal Nehru University

Internal Session Chair: Dr. Ashutosh Srivastava, Bennett University

16:00 Hrs – 18:00 Hrs

Session 3.5

Paper ID	Paper Title
1466	A Secure and Intelligent Data Transfer System for Cloud Environments using Hybrid Cryptography and Deep Learning-based Intrusion Detection Authors: Patgar, Lohit; Kumar, Ravi; Farhan, Mohammed; J, Pranam
1480	Enhancing Scalable Data Collection for Storage as a Service Platforms: A Case Study on NetApp Keystone Authors: Ahamed, Sameer; H, Pavithra
1500	SpamSentry: Smarter Spam Website Detection via PIO Optimization of Tree-Based Algorithms and Ant Lion Feature Selection Authors: Bhavya, .; Ghazi, Mohd. Rehan; Gangodkar, Ninad; Joshi, Kshitij; Shekhar, Amritanshu; Pratap Singh, Akhand
1531	Enhancing Heart Disease Prediction through Optimized Ensemble Techniques Authors: Khan, Reshma; Kaswan, Suresh
1189	Speech Analysis for Parkinson’s Disease Detection: Exploring Acoustic Features and Machine Learning Approaches Authors: Makkar, Rakshita; N., Deepa; P Arjunan, Sridhar; Singh, Maneesha; Jha, Prashant
1211	Multimodal Image Fusion for Brain Tumor Detection Using Deep Learning Authors: Gupta, Mekhala

20th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:00 Hrs- 09:30 Hrs: **Keynote Address by Dr. Biplob Ray, CQ University, Melbourne**

Venue: 126 NCA

External Session Chair: Dr. Anshika Arora, Delhi Technological University

Internal Session Chair: Dr. Mala Saraswat, Bennett University and Dr. Sudhanshu Gupta,
Bennett University

09:30 Hrs – 11:30 Hrs

Session 4.1

Paper ID	Paper Title
479	Arduino Uno Based LPG Gas Detector and Regulator Control System Authors: Malik, Praveen; Khara, Shelej; Chaudhary, Aarti; Mahajan, Anshul; Chamoli, Sakshi; Ranjith Kumar, Gotte
504	Breast Histopathology Image Classification using ResNet152 for Cancer Detection Authors: Swarnkar, Himanshu; Si, Tapas
442	Symbiotic Intelligence: AI and Machine Learning as the Nervous System of Next-Generation Smart Cities Authors: Kumari, Suman; Pandey, Krishna; Joshi, Rahul
549	Advancing Cricket Strategy With Artificial Intelligence: A Review Of Predictive And Strategic Models For Performance Optimization Authors: Bhavsar, Jenice; Shah, Sanket; Khara, Satvik
572	A Hybrid Discrete Crow Search Approach for Optimal Virtual Machine Placement in Cloud Environments Authors: Kumar Pani, Niroj; Budaraju, Raja Rao; P, Suresh; RH, Aswathy; Dutt Sharma, Harish; Anand, Ketan
427	Fog-Cloud-assisted Genetic Algorithm-optimized LSTM-based Framework for Real-Time Flood Prediction Authors: Dahiya, Tushar; Sikka, Geeta; Sahil, Sahil
108	Secure File Transmission Using Cryptography and Blockchain Authors: Jain, Sarika; Singh, Ajay Vikram; Bachheti, Bhasker

20th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Prof. (Dr.) Anand Nayyar, Scientist, Vice-Chairman (Research), Duy Tan University, Da Nang, Vietnam on “ Google Agentspace - Enterprise AI Platform for Intelligent Search and Autonomous Agents”**

Venue: 127 NCA

External Session Chair: Dr. Sumit Bhardwaj, Concentrix , Delhi

Internal Session Chair: Dr. Gulshan Srivastava

09:30 Hrs – 11:30 Hrs

Session 4.2

Paper ID	Paper Title
1572	Quantum Unbreakable Blockchain-Enhanced Security & Cryptography Authors: Chanda, Partha; Tonoy, Md Thouhedul Alam; Abrar, Mohammad Yasir Bin Taleb; Baveja, Mannu
1589	Enhancing Apple Leaf Disease Classification via VGG-16 with Convolutional Block Attention and Explainable AI Authors: Shuaib, Mohd; Chhabra, Uday; Garg, Vanshika; Sharma, Aditya; Joshi, Aditya; Diwakar, Manoj
1625	Next-Generation Crime Investigation: AI-Driven Smart City Ecosystems for Proactive Law Enforcement Authors: Nayak, Amitanshu
1640	Vision Transformer-Based Framework for Enhanced Lung Cancer Detection in CT Images Authors: S, Sharon Jessika
1684	Intelligent Question Paper Generation System for Academic Assessments Authors: M, Harrish; P, Chinnasamy; T, HarishKumar; S, Hari Sudhan; M, Selva Mathan
397	BotInferAttack: An LSTM-Based Framework for Membership Inference Attack on Bot Dataset Authors: Shah, Akash; Mehrotra, Monica; Kant, Shri

20th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Prof. (Dr.) Amit H Gandomi, University of Technology Sydney, Australia on “ AI Evolution and Impact”**

Venue: 128 NCA

External Session Chair: Dr. Ritu Agarwal, Delhi Technological University

Internal Session Chair: Dr. B Mazumdar, Bennett University

09:30 Hrs – 11:30 Hrs

Session 4.3

Paper ID	Paper Title
852	Gaming for the Planet: Exploring Belief, Motivation, and Behaviour in Climate-Conscious Play Authors: Iwendi, Celestine; Aboutorabi, Negin; Uwah, Salome; Amiri, Farnoud; Hollins, Paul; Sharma, Vandana
887	Predicting Network Congestion in Mobile Networks: A Machine Learning Approach for Traffic Management Authors: Sharma, Sonam; Patial, Deepanshu; Goswami, Anjali
890	Enhanced Parkinson’s Disease Diagnosis: A Machine Learning Approach with RSCV and ADASYN Authors: Agrawal, Rohit; Verma, Isha; Choubey, Chandan Kumar; Singh, Ranjeet Kumar
969	Real-Time Sentiment Analysis of Multimodal Data Streams – A Deep Learning-Based Framework in Social Media Platforms Authors: Chauhan, Akanksha; Kapila, Arti; Makhmudov, Samariddin; Khudoynazarov, Egambergan
970	Point-of-Care Diagnostics for Infectious Diseases: A Novel Approach Using Microfluidics and Machine Learning Authors: Dhami, Jyoti; Garg, Raghav; Semwal, Sunil; Karn, Ankriti
1025	Hand Landmark-Based Sign Language Recognition Using Random Forest and Support Vector Classification Authors: Sangolgi, Vijay; Patil, Mithun; Waghmare, Vishwajeet; Birada, Gaurav

20th November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Dr. Anchit Bijalwan, British University, Vietnam**

Venue: 216 NCA

External Session Chair: Dr. Rahul Johari, USICT, Guru Gobind Singh Indraprastha University

Internal Session Chair: Dr. Ashwani Kumar

09:30 Hrs – 11:30 Hrs

Session 4.4

Paper ID	Paper Title
669	Design and Implementation of Healix AI Smart Medical Chatbot Using NLP and Deep Neural Networks Authors: Khokher, Bhawna; Uma Reddy, N. V.; Palimar, Shreyas G.; Suman, Sarika; R, Surya; Naik, Shashank
688	Real-Time Emotion Recognition in AR-Based HCI Using Deep Learning Authors: Sottarov, Abduvali; Matchanova, Barno; Olimboy, Otajanov; Sharma, Subhash; Khasanova, Surayyo; Gulboyev, Akbar
689	Neural Networks for Smart Augmented Reality Interfaces in Human-Computer Interaction Authors: Toyirov, Akbar; Rakhimberganov, Jurabek; Ismoilova, Asilpashsha; Kumari, Akriti; Umidjon ugli, Jumabayev Ikhlosbek; Jumayev, Ulugbek
692	Deployment of an AI Model for Predicting Acute Kidney Injury in Hospitalized Patients Authors: Kholboyev, Norbek; Matchanova, Barno; Umidjon ugli, Jumabayev Ikhlosbek; Bameta, Pratyush; Niyazova, Nilufar; Ismailova, Shamsia
705	Machine Learning and Graph-Based Models for Citation Network Analysis Authors: Kapoor, Anukul; Deepak, Akshay; Dwivedi, Saumya; Vihari, Anand; Kumari, Sugandha
710	Artificial Intelligence in Social Media: A Comprehensive Review of Models, Applications, and Ethical Issues Authors: Dabbir, Venkata Rupesh Kumar

20th November 2025
Time: 09:30 Hrs – 11:30 Hrs

**09:30 Hrs- 10:00 Hrs: Keynote Address by Dr. Ravi Sekhar, Chief Scientist, CSIR-CRRI
New Delhi on “AI and ML in Transportation Planning and Traffic Management:
Planning for the Future”**

Venue: 318 NCA

External Session Chair: Dr. Vijay Bohat, Netaji Subhas University of Technology

Internal Session Chair: Prof. Mandeep Kaur, Bennett University

09:30 Hrs – 11:30 Hrs

Session 4.5

Paper ID	Paper Title
58	GeoViT-Mamba: A Hybrid Vision Transformer and Transformer Decoder for Semantic Remote Sensing Image Captioning Authors: Rastogi, Inisha; Hemrajani, Prashant; Sharma, Rohit
91	Identification of Biomarkers in Alzheimer Disease using Artificial Intelligence Authors: Rasheedee, Ameen Heshmat Ali; Singh, Amit Kumar; Garg, Vivek Kumar; Kaur, Jappreet
178	Artificial Intelligence and Parkinson Disease Diagnosis: A Review Authors: David, Nuwo; Singh, Amit Kumar; Verma, Shubham; Garg, Vivek Kumar
1851	Enhancing Order Fulfillment Efficiency Using Particle Swarm Optimization Authors: Nair, Abhishek; Furiya, Priyanshi; Munshi, Ami
217	Improving Service Efficiency in Call Centers Using Predictive Analytics Authors: Al-Mashani, Jamila

20th November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: Keynote Address by Dr. Raghav Vadhera, Principal AI and Cyber Scientist, Raytheon Technologies, Boston on “Peace of Mind: Cyber Resilience Using Self-Evolving Optimized Neural Network Architecture”
Venue: 126 NCA

External Session Chair: Dr. Raghav Vadhera, Boston, USA

Internal Session Chair: Dr. Jabir Ali, Bennett University

11:30 Hrs- 13:30 Hrs

Session 5.1

Paper ID	Paper Title
62	Real-Time Autonomous Drone Detection Using YOLOv5 and Tracking in Multi-Modal Sensor Fusion Techniques Authors: Sekar, Pavithra; Agrawal, Parth; Shrivastava, Ayush; Patel, Yug Satishkumar
215	A Forensic Framework for Hyperlink Authenticity Verification: Bridging Cybersecurity Detection and Legal Admissibility Authors: Saha, Rupak; Khan, Ajoy Kumar
282	PEB-Net: Deep Local Patch Enhancement for Low-Light Image Restoration Authors: JAIN, ARTI
351	Personal Companion Robot- Smart Buddy Authors: Ranjith, Tejas; S, Adarsh; Krishna.M, Amal; Nihal.M, Abdulla; P Xavier, Shine; O V, Leeshma
368	A Multi-Objective Game Environment for Evaluating AI Agents Authors: Parupally, Vamshidhar Reddy
371	Evolution of English Literature in the Age of Artificial Intelligence: Challenges and Opportunities with Socio-Cultural Conflicts Authors: Kartikey, Krishna, Gopal; Kumari, Anika; Koli, Sakshi; Kumar, Shravan; Chaudhary, Rashmi; Joshi, Kapil

20th November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: **Keynote Address by Prof. (Dr.) Deepak L. Waiker, Chair, IEEE Education Society, Singapore, on “Artificial Intelligence for Sustainability, Decarbonisation, and Net Zero Vision: Challenges and Opportunities”**

Venue: 127 NCA

External Session Chair: Dr. Nitesh Singh Bhatti, Gautam Budha University

Internal Session Chair: Dr. Rajiv Kumar, Bennett University

11:30 Hrs- 13:30 Hrs

Session 5.2

Paper ID	Paper Title
274	Deep Learning-Driven Smart Rover for Precision Crop Monitoring in Controlled Agricultural Environments Authors: J G, GNANESH KUMAR; G, Vivekanandan; T, Prabahar Godwin James; C, Rajesh; S, Praveen Kumar; J, Pathmanaban
298	BTCS: A Blockchain-Based Text Communication System with Integrated Malicious Content Detection Authors: Padhy, Sasmita; Tambare, Viraj; Sahani, Sahil; Tripathi, Akanksha; Padhy, Dhruv; Sharma, Nishant
315	Non-Invasive Brain Tumor Diagnosis Through EEG Signal Analysis Using Convolutional Neural Networks Authors: Padhy, Sasmita
372	Grammar in the AI Era: How Technology is Shaping Linguistic Accuracy and Fluency Authors: ., Kartikey; Krishna, Gopal; Sood, Rati; Koli, Sakshi; Kaur, Harleen; Chaudhary, Rashmi; Jain, Abhishek
376	The Silent Threat: A Deep Dive into Audio Deepfakes and Detection Techniques Authors: Agrawal, Pratik; Kushwaha, Ravi; Durge, Prathmesh; Lohani, Shivansh; Rakesh, Nitin
387	Explainable AI for Early Diagnosis of Alzheimer’s Disease: A Transparent Deep Learning Approach Authors: Tiwari, Debyanshu; Singh, Dharampreet; Kaur, Gaganjot; Wani, Niyaz; Bedi, Jatin

20th November 2025
Time: 11:30 Hrs – 13:30 Hrs

Venue: 128 NCA

External Session Chair: Dr. Bindu Verma, Delhi Technological University

Internal Session Chair: Dr. Mohit Agarwal, Bennett University

11:30 Hrs- 13:30 Hrs

Session 5.3

Paper ID	Paper Title
432	From Analog to Digital: Charting India's Tech Revolution Authors: VATS, NEERAJ; HAZRA, Soma; Sudan, Sachin; Narang, Megha; ., Karishma; Kumari, Seema
537	Understanding Discrimination in AI Recruitment: A SHAP-Driven CNN Analysis Authors: Nandrajog, Anju B.; Samson, Honoria; Sharma, Palki; Mehta, Shiva; Sachdeva, Rajesh
538	Stock Market Trend Prediction Using Transformer Networks and Sentiment Analysis: A Reinforcement Learning Approach Authors: Singla, Lalit; ., Gitanjali; Gupta, Prateek; Rathi, Punjika; Mehta, Shiva
551	Multimodal AI for Recruitment: Combining Vision and Audio Transformers in Job Interview Evaluation Authors: Jindal, Atul; Kumar, Kapil; Brar, Tejinder Pal Singh; Bansal, Ankit; Bhattacharjee, Abhishek; ., Vishal
575	A Hybrid Feature Selection and Ensemble Learning Framework with Optimized Preprocessing for High-Accuracy Lung Cancer Detection Authors: Tripathi, Sony; Shukla, Abhay; Mishra, Apoorv
580	Enhancing Consumer Experience and Purchase Decisions through AI-Based Chatbot Systems in eCommerce Authors: Jangra, Monika; Jangra, Gaurav; Dhanda, Kamal; Attri, Rishabh; Anguralia, Naresh

20th November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: Keynote Address by Prof. (Dr.) Ravi Shankar Sharma, Zayed University, UAE on “Responsible AI for All - Case study of a clinical assistant for Gestational Diabetes”

Venue: 216 NCA

External Session Chair: Dr. Sudipan Saha, Indian Institute of Technology (IIT) Delhi

Internal Session Chair: Dr. Harsh Bhasin, Bennett University

11:30 Hrs- 13:30 Hrs

Session 5.4

Paper ID	Paper Title
584	Revolutionizing Crop Yield Prediction with Cutting-Edge Machine Learning and Big Data Techniques Authors: Bagla, Piyush; Bhatt, Pooja; Sharma, Ravi; Chhabra, Gunjan; Manchanda, Mahesh; Mishra, Amit Kumar
586	Forward path controller design for a paper roller based paper counting machine Authors: Ganguly, Arijit; Ghosh, Arnab; Pradhan, Buddhadeb; Sen, Sawan; Paul, Subhojit
587	A Novel Machine Learning Framework for Diabetes Prediction Using Ensemble Techniques Authors: Ali, Savir; Bokhari, Mohammad Ubaidullah; Gautam, Savita; Afzal, Shahnwaz; Ali, Syed Kavish
602	Optimizing Recruitment with BERT: A Multi-task Approach for Resume Screening and Candidate Ranking Authors: Nandrajog, Anju B.; Bansal, Shaveta; Khosla, Shelley; Sharma, Ankita; Mehta, Shiva
603	A Decentralized Cattle Monitoring System Using Machine Learning and Blockchain Authors: Srivastava, Smriti
605	Enhancing Workforce Management through Self-Supervised Learning and Reinforcement Learning for Productivity Prediction Authors: Singla, Lalit; Nayyar, Sahil; Sharma, Suprina; Gera, Shailja; Mehta, Shiva

20th November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: **Keynote Address by Dr. Nachiketa Chakraborty, University of Reading , UK on “Causal AI: Possible Paths to Explainability”**

Venue: 318 NCA

External Session Chair: Dr. Pinaki Chakraborty, Netaji Subhas University of Technology

Internal Session Chair:Dr. Sachin Minocha, Bennett University

11:30 Hrs- 13:30 Hrs

Session 5.5

Paper ID	Paper Title
782	Bias-Aware Machine Learning: A Framework for Fairness-Constrained Optimization in Algorithmic Decision-Making Authors: Mishra, Siddharth; Gupta, Anil Kumar; K, Priyanka; Verma, Amit
725	Early Detection and Prediction of Polycystic Ovary Syndrome Using an Explainable Deep Learning Ensemble Authors: T, Thasni; Suresh, Sangeeth
695	Hybrid Book Recommendation System Through Combined Content Based and Collaborative Filtering Using Deep Learning Algorithm Authors: Tripathi, Sameeksha; Dwivedi, Sanjay Kumar; Upadhyay, Pratham
536	Grammar Error Detection and Correction in English Writing Using Sequence Labeling Networks Authors: Kaur, Gurpreem; Dhiman, Poonam; Kaur, Vaneet; Verma, Deeksha; Kumari, Shalini; Roy, Nabanita
730	Optimizing Urban Green Spaces: A Goal Programming Approach to Sustainable City Development Authors: P, Dr. Jyothi
640	Revolutionizing Image Processing with Quantum Algorithms: Encoding, Enhancement and Recognition Authors: Sood, Shivani

20th November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Prof. (Dr.) Hari Mohan Pandey, Professor,
Bournemouth University, United Kingdom**

Venue: 126 NCA

External Session Chair: Dr. Gourav Jain, Indian Institute Of Information Technology (IIIT) Sonapat

Internal Session Chair: Dr. Pooja, Bennett Univeristy

14:00 Hrs – 16:00 Hrs

Session 6.1

Paper ID	Paper Title
1699	An Efficient Solar-Powered Electric Vehicle Charging System Based on Adaptive Perturb and Observe MPPT Using Buck Converter Authors: R, Tamilamuthan
1132	Fuzzy-Based Reliability Analysis of Machine Repairable Systems with Service Imperfections Authors: Kumar, Amit ; Sharma, Diksha
1174	Stock Market Sentiment Analysis Leveraging Transformer-Based Deep Learning Models for Financial News Interpretation Authors: Vandranki, Jatin; Singh, Harsh Bardhan; Reddy, Kasam Vivek; U, Hariharan
1201	Virtual Educational Dashboard for Children with ASD and ID Authors: Ukey, Ekta
1224	Deep Learning Framework for Medicinal Leaf Classification Using Transfer Learning Authors: Saraswat, Deeksha ; Srinivas, K.; Shrivastava, Aatmesh ; Kumari, Dr. A. Charan
1245	AttentiveHybridNet: A CNN–Transformer Architecture with Cross-Attention for Robust Brain Tumor Classification from MRI Scans Authors: Garg, Shubh; Kaler, Priyal ; Bansal, Samiksha ; Jindal, Neeru

20th November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Dr. Harshit Goyal and Mr. Nirmitt Ahuja, AI
And Data Operations, Google on “Google AI Models”**

Venue: 127 NCA

External Session Chair: Dr. Vivek Mehta, Netaji Subhas University of Technology

Internal Session Chair: Dr. Purshottam Kumar, Bennett University

14:00 Hrs – 16:00 Hrs

Session 6.2

Paper ID	Paper Title
806	Leaf disease segmentation using Transfer Learning Authors: Mahakud, Rina
827	Early Detection of Sepsis Using Grid Search-Tuned XGBoost on ICU Clinical Data Authors: Mohit, MOHIT
851	Levelling Up for Nature: Pathways of Engagement with Green Messages in Game Authors: Iwendi, Celestine; Uwah, Salome; Nwibo, Ezekiel Gabriel; Hollins, Paul; Sharma, Vandana; Amiri, Farnoud
955	Detection and Classification of Microbial Quality for Milk Products based on Deep Learning Techniques Authors: Mohapatra, Srikanta Kumar; Sahu, Premananda; Mohanty, Jayashree; Thakur, Diksha; Sharma, Ashwani K; Agrawal, Alok Kumar
1023	XAI-MigNet: An Explainable AI Model for Migraine Prediction Using Feedforward Neural Networks and SHAP Analysis Authors: Tiwari, Debyanshu; Kaur, Gaganjot; Wani, Niyaz; Bedi, Jatin
1031	Privacy-Preserving Federated Learning with Explainable AI for Multi-Institutional Glioma Classification Authors: Chhabra, Deevyansh; Batra, Neera; Chhabra, Saroj; Sharma, Ankita; Sharma, Krati; Sharma, Arun
1450	Analysis and Evaluation of Existing Classifiers to Identify the Main Features Used for Classification of Unbalanced Datasets Authors: Pandey, Shikhar

20th November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Dr. Chico Camargo, University of Exeter, UK**
on “A Crowdsourced Map of YouTube Recommendations”

Venue: 128 NCA

External Session Chair: Dr. Pawan Singh Mehra, Delhi Technological University

Internal Session Chair: Dr.Shallu Sharma, Bennett University

14:00 Hrs – 16:00 Hrs

Session 6.3

Paper ID	Paper Title
1036	Reconfigurable RFID Wearables for Real-Time Child Tracking and Safety in Public Environments Authors: Mallick, Navonita; Sahu, Shashwata; Nanda, Dr. Hiranmaya; Pattnayak, Parthasarathi; Das, Tulip
1048	Intent-Driven Multi-Agent Coordination for Edge Computing under Resource and Communication Constraints Authors: Mittal, Shilpi; Gupta, Dr Kavita
1111	Integrating Efficient Decentralized Adaptation of VLMs via Personalized LoRA Aggregation Authors: Dubey, Parul
1210	Hyperlocal Temperature and Humidity Prediction Using Supervised Machine Learning Authors: Gigov, Lyuboslav; Vajjhala, Narasimha Rao; Stoilov, Anton
1218	EffSwinNet: A Hybrid Convolutional and Transformer for Robust Endoscopic Image Classification Authors: Mohd Saquib, Syeed; Prasanthi, Chandolu; Babu Mutluri, Ramesh; Mohd Ameen, Syeed
1219	AI Meets Quantum Blockchain: A New Era of Tamper-Proof CCTV Data Logging Authors: Dakuru, Meenakshi; Shetty, Punit; Rachamadugu, Sai Krishna; Thota, Sai Krishna; Kande, Ashish

20th November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Dr. Sharu Jose, University of Birmingham, UK**
on “Quantum-Enhanced Machine Learning in the NISQ Era”

Venue: 216 NCA

External Session Chair: Dr. Gaurav Singhal, Netaji Subhas University of Technology

Internal Session Chair: Dr. Ambrish Kumar, Bennett University

14:00 Hrs – 16:00 Hrs

Session 6.4

Paper ID	Paper Title
1246	A Study to Explore the Impact of AR based Online Shopping Experiences on Customer Engagement and Buying Decisions Authors: Singhal, Padma; Pratim Chakraborty, Partha; Mishra, Nandita
1268	Designing Intelligence at the Edge: Smart Laboratory Model for Remote & Safe Power Electronics Education Authors: MUKESH SINGH BHADOURIYA, KHUSHI; SHASHIKANTSINGH RAJPUT, ADITYASINGH; DINESHKUMAR TIWARI, PRASHANT; DHARMESHKUMAR PARMAR, SMIT; P. PATEL, ASHISH; D. MEHTA, NIRAV
1287	PIPO: AI-Based Voice Assistant Authors: Bhagat, Mayank; Kalwar, Himanshu; Singh, Rishi; Maskara, Tanishq; Singh Jamwal, Devansh; Purohit, Shouryaman
1293	Investigating the Transfer Learning Capabilities of U-Net for Cross-Domain Defect Detection involving both RGB and Thermal Images Authors: Dutta, Tamal; Dutta, Rimlee; Bhattacharyya, Rupam
1370	A Computer Vision-based System to Detect Indian Road Signs using Deep Learning in Real-Time Authors: Kothari, Gautam; Kumar, Amit
1371	Enhancing Pothole Detection - A Deep Learning-Based Investigation comparing YOLO Variants with Validation on Multi-Weather Pothole Images Authors: Kothari, Gautam; Kumar, Amit

20th November 2025
Time: 14:00 Hrs – 16:00 Hrs

Venue: 318NCA

External Session Chair: Dr. Versha Sisodia, Delhi Technological University

Internal Session Chair: Dr. Gitika Sharma, Bennett University

14:00 Hrs – 16:00 Hrs

Session 6.5

Paper ID	Paper Title
1397	Evaluating CNN and Transfer Learning Models for Handwritten Odia Character Recognition Authors: Panda, Rabinarayan; DASH, SACHIKANTA; Padhy, Sasmita; Khandakhani, Shazid Wahid; Nayapamu, Ramarao
1437	A Prioritized-Recommendation System with Association Rule Mining and Random Forest for Retailing Authors: Nayak, Debasish Swapnesh Kumar; Nanda, Pragyan; Agasti, Payal; Anjum, Roseleen; Harichandan, Amit; Laha, Suprava
1452	Enhancing Problem-Solving Skills through Modeling-Based AI and Generative Flow Networks (GFN) Authors: Haidar, Dr. Sk Wasim; Chaubey, Sudhakar Kumar; Mishara, Aditya Dev; Akhtar, Md Mobin; Khan, Nayyar Ahmed; Meraj, Mohammed
1453	AQGSM: Efficient Multimodal AVQA via Ensemble Transformer Optimization Authors: Jagannath, Samyuktha; Anitha, G
1523	Bilingual AI Crop Disease Detection System Leveraging Agri-Mamba-YOLO for Sustainable Agriculture Authors: M, Gokul Krishnan; S V, Arjunkarthik; P, Nisha; C, Sabharish; M U, Nihelesh
1759	Carecast: Predictive Modeling For Two Chronic Diseases Using Machine Learning Authors: N, Urmila; N, Srinivasa Harshavardhana; Srividya, M. S.

20th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Mr. Abhishek Jain, Director, HRIS, Dallas, USA, on “Adoption of AI in HCM (Human Capital Management)”**

Venue: 126 NCA

External Session Chair: Dr. Ankit Jaiswal, Jawaharlal Nehru University

Internal Session Chair: Dr. Manoj Kumar, Bennett University

16:00 Hrs – 18:00 Hrs

Session 7.1

Paper ID	Paper Title
1280	An Explainable Neuro-Fuzzy DeBERTa Model for Earthquake Disaster Tweet Classification Authors: Kumar, Vijay; Kumar, Abhinav
1319	Human-Centric SAR Image Colorization for Intuitive Geospatial Decision-Making Authors: Sangolgi, Vijay; Patil, Mithun; Biradar, Gaurav; Margam, Rajrajeshwar; Mule, Manav; Sutar, Viresh
1356	Artificial Intelligence-Based Innovative Waste Management Techniques: A Review Authors: Ghorpade, Umesh
1388	Artificial Intelligence and Machine Learning Approaches for Healthcare Fraud Detection: A Review, Case Study, and Framework Authors: Deep, Paras; Arora, Gitanjali; Mehra, Raghav; Kaswan, Suresh; Upadhaya, Dharmesha; Soni, Kangan
1424	Emerging Technologies for Enhanced Leaf Disease Prediction: A Review Authors: Suryawanshi, Shubhangi

20th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Prof. (Dr.) Madhusudan Singh**
Northwestern University, USA

Venue: 127 NCA

External Session Chair: Dr. Amandeep Kaur, National Institute of Technology (NIT) Delhi

Internal Session Chair: Dr. Abhay Kumar Agrahari, Bennett University

16:00 Hrs – 18:00 Hrs

Session 7.2

Paper ID	Paper Title
60	Enhancing Malware Detection with Malware-BERT: A Hybrid Approach Using Multi-Head Attention Authors: Tyagi, Princy
66	Natural Language Processing for Clinical Text Mining: A Review of Techniques and Challenges Authors: Paliwal, Dr. Gaurav; Asthana, Dr. Nidhi; Gaurtam, Dr. Divya
109	The Economics of Second-Hand Mobility: Estimating Pre-Owned Car Prices through Regression Analysis Authors: Jain, Sarika; Singh, Ajay Vikram; Gupta, Shubham Raj
1771	ExposeAI: A Lightweight, Multimodal, and Explainable Framework for Efficient Deepfake Detection Authors: Patil, Abhijit; FatakdaWala, Zainuddin; Doshi, Harsh; Hundare, Vedant
1853	Cooperative Game-Theoretic Inverse Reinforcement Learning for Smart Grid Scheduling Authors: R, Ganesh Babu; C S, Arthi; A, Nallathambi; Prakash, Vankayala Chethan; K, Santhi; R, Sivakumar
1296	Secure and Reliable Computation of q-Multi-Proxy BSS Using Seven-Qubit Cluster States Authors: Sudhanshu Dubey

20th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Dr. Adithya Padthe, Apple, USA, on**
“Computer vision using AI”

Venue: 128 NCA

External Session Chair: Dr. Rohit Beniwal, Delhi Technological University

Internal Session Chair: Dr. Aditya Bhardwaj, Bennett University

16:00 Hrs – 18:00 Hrs

Session 7.3

Paper ID	Paper Title
335	Advanced Obstacle Detection for Improved Collision Avoidance in Autonomous Vehicles Authors: Dey, Sharmistha; Chouhan, Kuldeep
343	Multi-Class Mental Health Classification from Social Media Text Using BERT-Based Transformer Architectur Authors: Shrivastava, Astha; Agrawal, Rohit; Sabale, Ketan
346	Efficient and Robust Phishing URL Detection Based on Lexical Feature Extraction and Ensemble Learning Authors: Shrivastava, Astha; Agrawal, Rohit; Singh, Ranjeet Kumar; Shastri, Aditya
350	A Scientometric Review of Machine Learning and Deep Learning Applications in Breast Cancer Detection: Trends, Challenges, and Future Directions Authors: Kaur, Baljit; Popli, Renu
388	Enhancing Breast Cancer Diagnosis: Explainable, Multi-Modal, and Lightweight Deep Learning Models Authors: Kaur, Baljit; Popli, Renu
390	Blockchain and Machine Learning-Based Certificate Organization Framework: An Advanced Style to Organizational Credential Authentication Authors: Sahu, Premananda; Tembhurne, Saurabh; Singh, Bhupinder; Anumula, Sathish Krishna; ., Umang; Manon, Aldrin

20th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Prof. (Dr.) Lizy Kurian, University of Texas at Austin, USA on “AI meets Performance Engineering”**

Venue: 216 NCA

External Session Chair: Dr. Pradeep Singh, RLAC, Delhi University

Internal Session Chair: Dr. Pradeep Arya, Bennett University

16:00 Hrs – 18:00 Hrs

Session 7.4

Paper ID	Paper Title
401	Blockchain-Enabled Secure Frameworks for Healthcare: A Holistic Assessment and Innovations in Medical Imaging Storage Authors: Sarkar, Tiyas; Zeenat Zahra, Zeenat; Baweja, Sukhleen Kaur; Mehan, Mandeep; Gagneja, Rakesh; Rouf, Anjum
408	Automated Gear Inspection Using Artificial Intelligence Authors: Ansari, Zulfikar
411	Efficient Potato Disease Detection Using Lightweight CNN: A Comparative Study with Pretrained Models Authors: Tiwari, Mahesh
440	Smart Pill Dispenser for Real Time Elderly Care Through IoT, AI Insights and Emergency Alerts Authors: Shinde, Snehal; Gupta, Satyam; Reddy, Chilla Vivek; Yadav, Harsh; Khandelwal, Siddarth; Pikle, Nileshchandra; Diwan, Tauisf
454	Data-Driven HRM: Using AI to Improve Strategic Workforce Allocation in the Healthcare Industry Authors: Jabeen, Ghousia
456	Harnessing Artificial Intelligence for Data Preprocessing to Improve Malware Detection Accuracy Authors: Singh, Bhagwant

20th November 2025
Time: 16:00 Hrs – 18:00 Hrs

17:30 Hrs- 18:00 Hrs: **Keynote Address by Dr. Samir Shah, Drexel University, US on**
“Prompt Engineering: A new Programmer”

Venue: 318 NCA

External Session Chair: Dr. Deepak Kumar Sharma, Indira Gandhi Delhi Technical University
for Women, Delhi

Internal Session Chair: Dr. Rajnish Kumar Chaturvedi, Bennett University
16:00 Hrs – 18:00 Hrs

Session 7.5

Paper ID	Paper Title
521	An Adaptive and Explainable GAN Framework for Mitigating Biasing and Fairness in Employee Recruitment and Talent Management Authors: Arora, Ruchika
564	A Robust Hybrid Approach for Zero-Watermarking Medical Images Using Discrete Wavelet Transform, ResNet101, and Discrete Cosine Transform Authors: Bhadauria, Abhay; Singh, Vivek
574	Advancements in Sentiment Analysis: A Comparative Study of Feedforward Neural Networks, CNN, LSTM, and Hybrid CNN-LSTM Models Authors: Jobanpreet Singh; Tanwarjot Singh; Bhavna; Bashir, Masroof; Pandey, Shweta
611	Performance Evaluation of Supervised Machine Learning Approaches for Emotion Detection in Social Media Text Authors: Singh, Priya; Alam, Mahfooz; Lavania, Rajesh
653	AI-Augmented Digital Twins for Personalized Patient Monitoring: A Novel Framework for Predictive and Adaptive Healthcare Authors: Sharma, Shubham; Anne, Diya
175	Association of Rare Disease Diagnosis and Its Treatment Using Artificial Intelligence – A Review Authors: Kamboj, Aditya; Singh, Amit; Garg, Vivek Kumar; Kumar, Sunil

21st November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Prof. (Dr.) Biswajit Sarkar, Yonsei University, South Korea**

Venue: 126 NCA

External Session Chair: Dr. Bhawna, Delhi Technological University

Internal Session Chair: Dr. Debjani Ghosh, Bennett University

09:30 Hrs – 11:30 Hrs

Session 8.1

Paper ID	Paper Title
1642	Contextual Embedding Fusion for Quick-Commerce Reviews: Rating, 5-Class Classification, and Sentiment Analysis Across Classical ML, DL, and Transformer Models Authors: RANKA, MOUNICA; MALHOTRA, AMIT; Hada, Bhupendra Singh; Jana, Samiran; MAHESHWARI, ABHISHEK; Basha, Md Shaik Amzad
1664	A Data-Driven Hybrid Model for Reliable Detection of Diabetic Retinopathy Authors: ., Deepika; Singh, Inderpal; Vashisth, Anshu; Singh, Balraj; Kaur, Gagandeep
1682	A Statistically-Grounded Attention Mechanism for Early Detection of Alzheimer’s Disease Using Pattern Recognition on Clinical Data Authors: Mahapatra, Harika; Sriharsha, A. V.
1696	HRLS: Interpretable Temporal Prediction for Clinical Decision Support Authors: Mahapatra, Harika
708	Adaptive Deep Learning Frameworks for Intelligent Fraud Prevention Strategies in Dynamic Digital Ecosystems Authors: Sharma, Shubham; Yadav, Sandeep
711	CyberGuardians: Emerging Applications of Advanced Deep Learning Architectures for Proactive Cybersecurity Authors: Sharma, Shubham; Yadav, Sandeep

21st November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Mr. Sanjit Bhattacharya, Vive President, Xebia**

Venue: 127 NCA

External Session Chair: Dr. Gunjan Rehani, National Institute of Technology (NIT) Delhi

Internal Session Chair: Dr. Vimal Baghel, Bennett University

09:30 Hrs – 11:30 Hrs

Session 8.2

Paper ID	Paper Title
1551	Attentive-GAN: A Dual Attention-Guided Generative Adversarial Network for High-Fidelity Cloud Removal Authors: A I, Bharath; R, Devakrishnan; R, Archana
1553	A VGG19-Based Approach for Cotton Disease Detection and Classification Authors: Negi, Arvind; Rawat, Anchal; Agarwal, Vartika
1560	A Framework for Personalized Treatment and Symptom-Based Diagnosis of Neurological and Cardiovascular Disorders Using Machine Learning Authors: Kumar, Dr. Atul; Sharma, Harsh; Kumar, Mahendra; Verma, Shraddha; Baiswar, Ashish
1563	A Robust Deep Learning Framework for Multi-Class Tomato Disease Recognition Using VGG16 Authors: Rawat, Daksh; Sharma, Vikrant
1581	An Interpretable Hybrid CNN Framework for Severity Classification of Cardiovascular Diseases Using ECG Data Authors: Baboo, Aparna; DASH, SACHIKANTA
1637	Comparative Analysis and the Performance with Transfer Learning Model for Handwritten Marathi Characters Recognition Authors: Khandakhani, Shazid Wahid; DASH, SACHIKANTA; Padhy, Sasmita; Panda, Rabinarayan; Nayapamu, Ramarao

21st November 2025
Time: 09:30 Hrs – 11:30 Hrs

**09:30 Hrs- 10:00 Hrs: Keynote Address by Prof. (Dr.) Sushil Srivastava, Project Director,
Oracle , USA on “ Redefining Value, Revenue, and Business Impact with AI-Artificial
Intelligence”**

Venue: 128 NCA

External Session Chair:Dr. Nonita Sharma, Indira Gandhi Delhi Technical University for
Women

Internal Session Chair: Dr. Deepika Pantola, Bennett University

09:30 Hrs – 11:30 Hrs

Session 8.3

Paper ID	Paper Title
680	Simulated Autonomous Driving: Integrating Deep Learning and Computer Vision for Self-Driving Cars Authors: Mankotia, Aryan; Mehta, Shubham; Gupta, Priyanshu; Sharma, Sugandha; Singh, Rahul Kumar; Negi, Jayvardhan
682	Automated Diagnosis of PCOS: A Deep Learning Approach Using Ultrasound Data Authors: Gupta, Charu; Agarwal, Lakshay; Sharma, Sugandha; Singh, Rahul Kumar; Saini, Agampreet; Negi, Jayvardhan Singh
687	Deep Learning-Powered Gesture and Speech Recognition in Augmented Reality Interfaces Authors: Kosimov, Odilbek; Nurbek, YesMatyakubov; Olimboy, Otajanov; Sharma, Aditya; Jumaniyazova, Feruza; Nurullayev, Farrukh
698	Empirical Analysis of AI Models in STEM Education Using Machine Learning Techniques and Survey Insights Authors: Pai H, Aditya; Pathak, Ganesh; Diwakar, Manoj; S, Chandrappa; Christa, Sharon; Dande, Amol
715	A Decentralized Application for Water Body Preservation Using Modular Smart Contracts Authors: Arora, Anjali; Aggarwal, Mayank
765	Design and Implementation of an IoT-Based Environmental Monitoring System Using WSN, Edge and Cloud Computing Authors: N, Muruganandam; S, Dr. Sudha

21st November 2025
Time: 09:30 Hrs – 11:30 Hrs

09:30 Hrs- 10:00 Hrs: **Keynote Address by Mr. Gourav Sharma, HashiCrop, India on**
“Revolutionizing Infrastructure Management: AI Meets Terraform”

Venue: 216 NCA

External Session Chair: Dr. Prashasti Singh, Delhi University

Internal Session Chair: Dr. Naween Kumar, Bennett University

09:30 Hrs – 11:30 Hrs

Session 8.4

Paper ID	Paper Title
981	State-of-the-Art and Emerging Trends in Deep Learning for Air Quality Forecasting and Health Impact Modeling: A Comprehensive Review Authors: Mishra, Ankita
870	Enhancing Productivity in Software Testing Automation: A Comparative Study of Open-Source Tools for Smart Manufacturing Authors: Gupta, Vishan; Gupta, Avdhesh; Jain, Paras; Sharma, Anupriya; Singh, Simranjit; Singh, Law Kumar
881	Machine Learning-Driven Snowfall Forecasting: Unraveling Spatiotemporal Meteorological Patterns for Enhanced Precision Weather Prediction Authors: Sarkar, Tiyas; Gagneja, Rakesh; Badhan, Ajay Kumar; Agrawal, Pratik K; Maurya, Sudhanshu; Verma, Rohan
975	Artificial Neural Network-Based Prediction of Soil Settlement Authors: Mandal, Rishabh
799	Fully-Functional, Hygienic and Resource Utilizing Animal Home with IoT Authors: Sehaj, . ; Bishnoi, Aaskaran; Parasdeep, .; Upadhaya, Dharmesha
950	AI in Public Procurement: A Case Study of Tender Evaluation Through AI-Assisted Tender Evaluation Framework Authors: Roshan, Ravi; Alam, Mehebab

21st November 2025
Time: 09:30 Hrs – 11:30 Hrs

External Session Chair: Dr. Sahil, National Institute of Technology (NIT) Delhi

Internal Session Chair: Dr. Prashant Gupta, Bennett University

Venue: 318 NCA

09:30 Hrs – 11:30 Hrs

Session 8.5

Paper ID	Paper Title
1139	A Cryptographically Enhanced LLM-Based Chatbot Architecture with Session-Specific Polynomial-Matrix Encryption Authors: BAL, SAUVIK; MISHRRA, SHILLPI; DAS, MOHIT
1014	MFIF using Transformer-Enhanced CNN with Multi-Scale Attention Mechanism Authors: Bhardwaj, Bharat; Jain, Ajit
1035	AI-Driven Waste Segregation and IoT-Enabled Monitoring: A Smart Dustbin for Urban Waste Management Authors: Ramesh, Roopesh; Shwetha, Nelamangala Nagaraju; Badiger, Mayur Rajendra; Santhosh, Shreya; Bellubbi, Tejasvi; Bagi, Aishwarya
1112	Microscopic Image Analysis for Sickle Cell Disease Detection Using Deep Neural Networks Authors: Patra, Sankar; DASH, SACHIKANTA; Baboo, Aparna
1108	A Hybrid Deep Learning Approach for Robust Plant Disease Detection Authors: Mishra, Komal; Juneja, Deepak; Thakur, Divya Jyoti; Saghra, Harpreet Singh; Pal, Subharun; Bansal, Subodh
1114	A Comprehensive Analysis of Boosting Models in Predicting Stroke Risk from Healthcare Data Authors: Kuppuswamy, Prakash; Ramineni, Ms. Vijaya; Anumolu, Ms. Anuradha; Khalidi, Saeed; Vamsi, Mr. Sarella; Kondeti, Harika

21st November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: **Keynote Address by Dr. Sumegh Tharewal, DBS Global University, Dehradun on “ Emerging AI Trends Shaping Human Robot Synergy”**

Venue: 126 NCA

External Session Chair: Dr. Minni Jain, Delhi Technological University

Internal Session Chair: Dr. Kaushal Bhardwaj, Bennett University

11:30 Hrs- 13:30 Hrs

Session 9.1

Paper ID	Paper Title
1709	A Graph Neural Network Based Unified Framework for Financial Fraud Detection Authors: Saha, Sanchari; Mohapatra, Ipshita; Deepak, Prisha; P, Sumeda
1714	A Hybrid Sensor–Image Framework for Smart Farming Using Deep and Ensemble Learning Authors: Ryan, Collin; V, Shashini; Umamageswaran, J
1715	An Intelligent Framework for Evaluating Handwritten Responses: Integrating Bloom’s Taxonomy with Adaptive Assessment Authors: Jose, Sebastian; Hiremath, Manjunatha; Pohrmen, Fabiola
1717	Smart Retail Monitoring: An End-to-End Transformer-Based System for Shelf Intelligence Authors: Ryan, Collin; V, Shashini; G, Anitha; Reddy, Nikhileshwar
1797	Lensless CCTV Surveillance: A Single-Shot Imaging Approach for Privacy-Aware Crowd Monitoring Authors: Sharma, Mansi; Gupta, Arnav; Aggarwal, Radhika
1814	Agentic Artificial Intelligence for Corporate Governance and Workforce Preparedness Authors: Chahar, Suman; Kaswan, Kuldeep Singh; Agarwal, Jyoti; Dhatteval, Jagjit Singh; Panwar, Arvind

21st November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: **Keynote Address by Mr. Manas Sarkar, Deputy Director,
Confederation of Indian Industries**

Venue: 127 NCA

External Session Chair: Dr. Mahima , NITK Surathkal

Internal Session Chair: Dr. Purna Aggarwal, Bennett University

11:30 Hrs- 13:30 Hrs

Session 9.2

Paper ID	Paper Title
1154	Analyzing Political Bias in Indian News Articles using NLP and Deep Learning Authors: K, Chandrasekaran; Divakarla, Usha; Nilesh Desai, Jeet
1173	Quantum Cryptographic Techniques for Secure Genetic Data Sharing: Mutual Information Feature Ranking vs PCA and LASSO Authors: Alam, Sultan; Verma, Daksh; Jain, Arinjay; Singh, Tejeshwar
1182	The Linear Algebra Foundations of Artificial Intelligence: A survey From Theory to Applications Authors: Karandikar, Namrata; Barhate, Tilottama
1188	Critical Evaluation of Blockchain-Based Security Methods in Hybrid Cloud Infrastructure Authors: Jha, Sonu; Yadav, Arun; Khatri, Pallavi
1195	Survey of Task-Offloading Mechanisms in Mobile Edge Computing Environments Authors: Gupta, Sandeep; Tripathi, Kuldeep Narayan
1208	Enhancing intrusion detection system security by metaheuristic-based feature selection and machine learning Authors: Gupta, Kaushal; Ghazi, Mohd. Rehan; Gangodkar, Durgaprasad

21st November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: Keynote Address by Prof. (Dr.) Adrian David Cheok, Nanjing University of Information Science and Technology, China on “Everywhere Eversense Communication”

Venue: 128 NCA

External Session Chair: Dr. Pradeep Tomar, Gautam Budha University

Internal Session Chair:Dr. Saurabh Rana, Bennett University

11:30 Hrs- 13:30 Hrs

Session 9.3

Paper ID	Paper Title
1248	AI-Driven Personalized Learning and Its Impact on Self-Efficacy Among Business Educators: A Machine Learning Approach Authors: Peddi, Sarita; MANOHARAN, GEETHA
1253	Golden Jackal Optimization algorithm-based Energy Optimisation in Cloud Data Centers using Convolutional Neural Network with Long-Short Term Memory Authors: TRIPATHI, AMRENDRA; Pratap Singh, Sandeep
1254	Cloud based bitcoin ransomware payment prediction system using Hybrid Extreme Learning Machine and Support Vector Machine Authors: singh, sandeep pratap; Nath Tripathi, Amrendra
1263	DALA-XGBoost: An AI-ML Framework for Cross-Domain Maternal-Fetal Risk Assessment Authors: Kaur, Seelwant; Kaur, Jashanpreet ; Bansal, Urvashi
1271	Improving Churn Prediction Accuracy through Ensemble Models and Personalized Recommendations in Telecom Authors: Chandarana, Param ; Nair, Aswathy ; R N, Ravikumar; Zinzuvadia, Parth ; Khunti, Jeet ; N, Sivakumar
1272	BCR-TCS: A Bandwidth-CPU Ratio-based Task Classification and Scheduling Algorithm for Big Data Workloads in Cloud Environments Authors: Bhaker, Pawan; Sheikh, Sophiya; Nath, Rintu; Nain, Ajay

21st November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: Keynote Address by Dr. Anand Handa, IIT Kanpur on “From Vulnerabilities to Resilience: Understanding Adversarial ML in Modern AI Systems”

Venue: 216 NCA

External Session Chair: Dr. Ram Shringar Rao, Netaji Subhas University of Technology

Internal Session Chair: Dr. Mayank Jain, Bennett University

11:30 Hrs- 13:30 Hrs

Session 9.4

Paper ID	Paper Title
1286	AIoT for Sentiment-Driven Automation: Leveraging RNNs for Intelligent IoT Device Control Authors: Mondal, Uzzal
1304	Generalized Pseudo-Differential Operator and Gel'fand and Shilov Type Spaces Authors: Kumar, Anuj; Chauhan, Manmohan Singh
1332	Data-Driven Framework for Assessing Land Purchase Viability Using Geospatial Analytics Authors: Sujana, Jessy
1336	A Secure Aadhaar-Integrated Approach to Digital Health Record Management Authors: Sahu, Neeraj; Bhatia, Anupam
1343	Qualitative Insights into ITDA-Led Employability Pathways across India: A Multi-Site Inquiry Authors: Reddy, Gouthami; T, Gouthami; Damerla, Rameshbabu
1353	Enterprise Applications of Text Summarization: Bridging Research Innovations with Market Trends and Future Directions Authors: Srivastava, Chitrabhanu; Pandey, Aamyia; Singh, Law; Gupta, Vishan Kumar; Tyagi, Vikas

21st November 2025
Time: 11:30 Hrs – 13:30 Hrs

11:30 Hrs- 12:00 Hrs: **Keynote Address by**
External Session Chair: Dr. Mohit Sajwan, NSUT

Internal Session Chair: Dr. Anugrah Srivastava, Bennett University

11:30 Hrs- 13:30 Hrs

Session 9.5

Paper ID	Paper Title
1363	The Power of Trust in Recommender Systems: Improving Outcomes and Reducing Noise Authors: Rani, Suman; Rani, Suman; Kumar, Nakul
1378	HARE-Net: Hybrid Attention Residual Ensemble Networks for Robust Plant Disease Detection based on Image-Processing and Machine Learning Authors: Mishra, Komal; Juneja, Deepak; Deepa, D.; Dabas, Megha; Lakshmi, T. V. Hyma; Bansal, Subodh
1396	Machine Learning–Driven Assistive Technologies for Enhancing Academic Assessment of Students with Learning Disabilities in Kerala’s Secondary Schools Authors: C B, Bibi; C B, Bibi; Mrunalini, V.
1461	Shopping Cart Optimization in E-commerce Apps: Recipe Centric Approach using NLP, LIME XAI Authors: Mehta, Minank Singh; Johri, Era; Natu, Tanvi
1486	IoT-Driven Smart Irrigation for Precision Agriculture: Challenges and Prototype Demonstration Authors: Shetty, Shodhan; B V, Kiran; Puthran, Shreyas
1495	Cognitive and Personality Traits in Identifying Learner Profiles for Programming Readiness and Adaptive Instruction Authors: Manchem, Srinivasa Rao; Dash, Sachikanta; Penumathsa, Suresh Varma

21st November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Prof. (Dr.) Omer F. Rana, Cardiff University, UK on “Intent Driven Resource Management in Distributed Systems”**

Venue: 126 NCA

External Session Chair: Dr. Rahul, Delhi Technological University

Internal Session Chair: Dr. Achyut Shankar, Bennett University

14:00 Hrs – 16:00 Hrs

Session 10.1

Paper ID	Paper Title
267	ML-Driven Prediction of Invasive Mechanical Ventilation in Sepsis: Insights from a tertiary care hospital in India Authors: Mendiratta, Shivi; Gandhi Mukkelli, Vinay; Baidya Kayal, Esha; Khanna, Puneet; Mehndiratta, Amit
518	Real-Time Plant Disease Detection Using Vision Transformers and Lightweight Deep Learning Models Authors: Kumar, Sujeet; Kumar, Nitin; ., Madhumita
557	Classification and Detection of Brain Tumor with MRI Scan Using Deep Learning Approach Authors: Singh, Shubham; Chauhan, Kuldeep; Kumari, Beauty; Jha, Ankit Kumar
559	Hybrid Based Deep Learning Technique for Liver Tumor Segmentation Using CT Images Authors: Singh, Shubham; Rai, Anurag; Singh, Rajneesh Kumar
606	Resource Allocation and Power Management in Device-to-Device Underlay Cellular Networks using Deep Reinforcement Learning Authors: Vishnoi, Vineet; Chaudhary, Shikha
953	Integrating Artificial Intelligence with Conventional Yoga for Posture Recognition and Wellness Improvement Authors: Choudhary, Shikha; Kumari, Anita; Shobhit Institute of Engineering and Technology, Deepshikha Tonk; Pathak, Avinav; Vishnoi, Vineet

21st November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: Keynote Address by Prof. (Dr.) Kire Jakimoski Processor, Goce Delcev University, Macedonia on “On-Chain Scalability Impact of Post-Quantum Cryptography”

Venue: 127 NCA

External Session Chair: Prof. Ravindra Kumar Purwar, Guru Gobind Singh Indraprastha University

Internal Session Chair: Prof. Sangeeta Mittal, Bennett University

14:00 Hrs – 16:00 Hrs

Session 10.2

Paper ID	Paper Title
1588	MobileNetV2-Based Fine-Tuned Facial Emotion Recognition with Targeted Class Balancing Authors: Chaudhary, Anubhav; Chandra Poonia, Ramesh; Shanbhog, Manjula
1793	Enhancing Deepfake Video Detection Performance with a Hybrid CNN Deep Learning Model Authors: Kumari, Muskan; Raj, Rahul; Arya, Bhupal; Kumar, Vikash; Kumar, Keshav
1143	A Comprehensive Comparative Analysis of Supervised Machine Learning Models for Network Anomaly Detection Authors: Kuppuswamy, Prakash; Ramineni, Vijaya; Kumar, Arun; Kumar, Purushottam; Gorantla, Suresh; Shaik Meeran, Ahmed Ali
1705	Threat Modeling and Mitigation of Social Engineering Attacks in Information Security Domains Authors: Bhardwaj, Sanjam; Shankar, Achyut; Mala, Shuchi; Mishra, Nidhi; Gupta, Aakash
1163	An Intelligent System for Graduate Admission Prediction Authors: Chaudhuri, Anishaa; Goel, Saisha; Mishra, Nidhi
439	Machine Learning Under Attack: Strategies for Defending AI Systems Against Cyber Threats Authors: Swarnika Singh (Noida International University), Jaswinder Singh (Noida International University)

21st November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Dr. Puneet Kumar, University of Oulu, Finland, on “Decoding the Mind: From AI-Driven Emotion and Cognition Analysis to the Rise of Hybrid Intelligence”**

Venue: 128 NCA

External Session Chair: Prof. (Dr.) Veer Bahadur Singh, Jawaharlal Nehru University

Internal Session Chair: Dr. Anu Rani, Bennett University

14:00 Hrs – 16:00 Hrs

Session 10.3

Paper ID	Paper Title
1022	SSVEP-BASED NEUROFEEDBACK GAME USING REAL-TIME WEB COMMUNICATION FOR ATTENTION TRAINING Authors: Jain, Priyanka; Korla, Harsh; Kushwaha, Saumya; Srivastava, Geetanjali
1042	Analysis-Driven Synthesis: Evaluating Transformer and TimeGAN Models for Generating Realistic Energy Time Series Data Authors: SINGH, RAM; Porwal, Shardha
1120	A Framework for Seamless Transition to Post-Quantum Security in SDN Authors: Kumar, Omesh; Rai, Deepak; Badotra, Sumit
1169	VARIANCE IN VERACITY: COMPARING TWO NEURO-PARADIGMS FOR CNV ANALYSIS APPLIED TO DECEPTION DETECTION Authors: Jain, Priyanka; Das, Abhijit; Srivastava, Geetanjali; Salunke, Arpita
1232	AI-based Periapical Lesion Segmentation in 2D Periapical Radiographs Using Residual U-Net Authors: Deepa, N.; Gupta, Alpa; Singh, Aayush; Mittal, Gul
1463	The Diseases Classification and Prediction in Sugarcane Plant- A Deep Learning Based Approach Authors: Kumar, Rajeev; Singh, Dr. P.K.; Tiwari, Rohit Kumar

21st November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Mr. Sam Cherub, Cognizant, Texas, USA on**
“AI Augmented Redefining Diagnostics and Patient outcomes”

Venue: 216 NCA

External Session Chair: Dr. Geeta Sikka, National Institute of Technology (NIT) Delhi

Internal Session Chair: Dr. Deepika Vatsa, Bennett University

14:00 Hrs – 16:00 Hrs

Session 10.4

Paper ID	Paper Title
250	Predictive scaling using reinforcement learning Authors: Chaturvedi, Rajnish; Srivastava, Swastik; Mangla, Nikhil; Dheeraj, Akshay
742	Enhancing IoT Security Through Deep Learning-Based Authentication Mechanism in Aircraft Maintenance Authors: Singh, Shaktiyavesh Nandan Pratap; Kumar, Ajay; Chaturvedi, Manish; Shringi, Rohitashwa; Kaul, Arshi
790	Adaptive EfficientNetB5 Transfer Learning for Brain Tumor Prediction with Edge Computing Support Authors: Singh, Rajneesh Kumar; Agrawal, Arun Prakash; Singh, Shubham Kumar
814	Human Psoriasis Detection Using Deep Learning with ResNet50 Architecture Authors: Saini, Divesh; Krish, .; Singh, Dhruv; Kumar, Ashwani; Bhattachary, Pronaya
1107	Multi-Modal Fusion of SAR and Optical Data for Crop Classification: Comprehensive Analysis of Methodologies, Barriers, and Future Perspectives Authors: Tiwari, Vikas; Chadha, Dr. Raman; Tiwari, Dr. Rajeev
1135	Higher Education and Research: AI Prescriptive Authors: Mishra, Dr. Aditya Dev; Husain, Arshad; Singh, Youddha Beer; Pandey, Mahima Shanker

21st November 2025
Time: 14:00 Hrs – 16:00 Hrs

14:00 Hrs- 14:30 Hrs: **Keynote Address by Prof. (Dr.) Geeta Sikka, National Institute of Technology, Delhi**

Venue: 318NCA

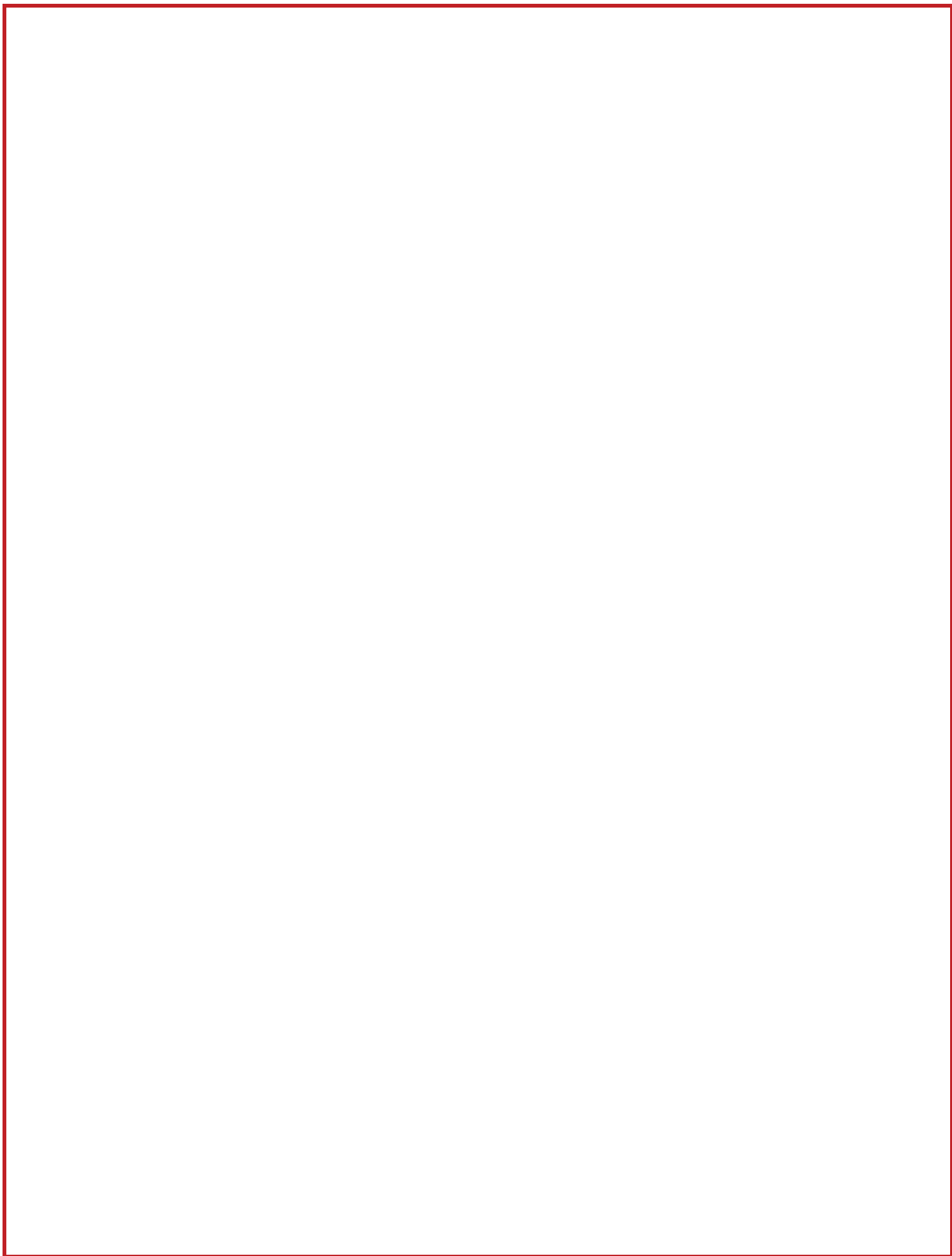
External Session Chair: Dr. Om Prakash Yadav, National Institute of Technology (NIT) Hamirpur

Internal Session Chair: Dr. Kimmi Gupta, Bennett University

14:00 Hrs – 16:00 Hrs

Session 10.5

Paper ID	Paper Title
1837	Enhancing Lung and Colon Cancer Histopathological Image Classification through Gaussian Defense Under Adversarial Perturbations Authors: Sharan, Gaurav; Singh, Shambhavi
1839	Exploring the Relationship between Job Satisfaction and Organizational Commitment in IT Professionals Authors: Sowmya, Muppidi
1862	A Hybrid Deep Learning Framework for Early Detection of Skin Cancer from Dermoscopic Images Authors: E, Shivakumar.
1207	A Hybrid DenseNet121 + Kernel Ridge Regression (KRR) Approach for Leaf Identification Authors: Mishra, Upendra; Chaudhary, Himanshi
1665	Cross-Cultural Training Validation and Deployment of Hybrid CNN-RNN Models with Explainable AI for Robust and Generalizable Personality Prediction Authors: Panwar, Govind Singh
1700	Adaptive Perturb and Observe MPPT with Boost Converter for Efficient Photovoltaic-Based Electric Vehicle Charging Authors: R, Tamilamuthan



21ST November 2025
Time: 14:00- 15:00 Hrs (IST)

**Panel Discussion on “Emerging Trends, Innovation Practices, and
The Evolving Landscape of Artificial Intelligence and Related
Technologies”**

Venue: A-LH-002

14:00 - 14:05 hrs	Invocation and Welcome of Panelists by Master of Ceremony
14:05 - 14:08 hrs	Introduction of the theme by Moderator Dr. Charu Jain, Associate Director, Xebia
14:08 - 14:11 hrs	Few thoughts by Dr. Saurabh Agrawal, Head – Strategy & Growth, Public Sector, Tata Consultancy Services
14:11 - 14:14 hrs	Few thoughts by Mr. Harneet Singh, Country Head & Managing Director, India TechCurators, TC Group of Companies
14:14 - 14:17 hrs	Few thoughts by Mr. Amit Kumar Soni, AI Transformation Leader- Pepsico, Hyderabad
14:17 - 14:20 hrs	Few thoughts by Mr. Piyush Jha, CEO – Hitachi’s GlobalLogic, Noida
14:20 - 14:23 hrs	Few thoughts by Mr. Ashwani Chopra, Global Chief Human Resources Officer - Riverum, Gurugram
14:23 - 14:26 hrs	Few thoughts by Mr. Pallab Chaudhury, Head of Technology - AI, DIC India Noida
14:26 - 14:50 hrs	Panel discussion on points raised by Moderator of the session
14:50 - 14:55 hrs	Q & A
14:55 - 15:00 hrs	Felicitation and Vote of Thanks

WIE Event
MEET and GREET

Date: 20th November, 2010
Time: 1:00 to 3:00 pm

VALIDICTORY SESSION
21ST November 2025, 15:00- 16:40 Hrs (IST)
Venue: A-LH-002

15:00 - 15:05 hrs	Invocation and Welcome by Master of Ceremony
15:05 - 15:10 hrs	Closing Remarks, Valedictory Address and Conference Report by Prof. (Dr.) Abhay Bansal , Dean, School of Computer Science Engineering and Technology and Dean, Office of International Affairs , Bennett University, India
15:10 - 15:15 hrs	Address by Prof. (Dr.) Raj Singh , Vice Chancellor, Bennett University
15:15 - 15:20 hrs	Address by Mr. Senthil Kumar , Chief Operating Officer, Bennett University
15:20 - 15:30 hrs	Address by Guest of Honour, Dr S. N. Singh , Director, Atal Bihari Vajpayee- Indian Institute of Information Technology and Management (ABV-IIITM), Gwalior, India
15:30 - 15:40 hrs	MoU Signing
15:40 - 15:50 hrs	Address by Guest of Honour, Prof. (Dr.) Ajay K Sharma , Director, NIT Delhi
15:50 - 16:00 hrs	Address by Guest of Honour, Dr. B .K. Sharma , Director, NITRA Technical Campus, India
16:00 - 16:10 hrs	Address by Guest of Honour, Dr Sanjeev Panwar , Principal Scientist (ARS), ICAR, New Delhi
16:10 - 16:20 hrs	Address by Guest of Honour, Prof. (Dr.) Asheesh Kumar Singh , Motilal Nehru National Institute of Technology, Allahabad, India
16:20 - 16:30 hrs	Address by Guest of Honour, Dr. Varun Kakkar , Joint Secretary, IEEE UP Section
16:30 – 16:40 hrs	Vote of Thanks by Prof. (Dr.) Tapas Badal , Deputy Dean, School of Computer Science Engineering and Technology, Bennett University



ANNOUNCES

**INTERNATIONAL CONFERENCE ON
ARTIFICIAL INTELLIGENCE & EMERGING TECHNOLOGY 2.0**

19-21 NOVEMBER 2025

KEYNOTE SPEAKERS



International Collaborations

