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Springer

International Conference on Advances and Applications of Artificial Intelligence and Machine Learning

ICAAAIML-2025

18th – 19th July, 2025

Organized by

*Sharda School of Computing Science & Engineering,
Sharda University, Greater Noida, India*

Program Schedule

***INAUGURAL SESSION: APJ Abdul Kalam Auditorium, 005- Block 3,
Sharda University, Greater Noida, India***

Date: 18th July, 2025 Timings: 10:30 AM to 12:30 PM

Link to Join the Inaugural Session

[ICAAAIML Inaugural Session](#) | [Meeting-Join](#) | [Microsoft Teams](#)

Inaugural Session

<i>Time Slots</i>	<i>Detailed Plan of Inauguration</i>
<i>10:00 Hrs - 10:30 Hrs</i>	<i>High Tea</i>
<i>10:30 Hrs - 10:35 Hrs</i>	<i>Lamp Lighting</i>
<i>10:35 Hrs - 10:40 Hrs</i>	<i>Curtain Raiser: Introduction to Theme of ICAAAIML-2025 by Prof. (Dr.) Sudeep Varshney, HoD - CSE, General Co-Chair, ICAAAIML-2025 , Sharda University, India</i>
<i>10:40 Hrs - 10:45 Hrs</i>	<i>Welcome Address by Prof. (Dr.) Geetha Ganeshan, Dean, SSCSE & Co- General Chair, ICAAAIML-2025</i>
<i>10:45 Hrs - 10:50 Hrs</i>	<i>Address by Prof. (Dr.) Parma Nand, Pro Vice Chancellor, Sharda University, India</i>
<i>10:50 Hrs - 10:55 Hrs</i>	<i>Address by Prof. (Dr.) Sibaram Khara, Vice Chancellor, Sharda University, India</i>
<i>10:55 Hrs - 11:00 Hrs</i>	<i>Welcome Address by Shri Prashant Gupta, CEO, Sharda University, India</i>
<i>11:00 Hrs - 11:05 Hrs</i>	<i>Welcome Address by Shri Y. K. Gupta, Pro-Chancellor, Sharda University, India</i>
<i>11:05 Hrs - 11:10 Hrs</i>	<i>Welcome Address by Shri P. K. Gupta, Chancellor, Sharda University, India</i>
<i>11:10 Hrs - 11:20 Hrs</i>	<i>Addresses by Guest of Honour - Ms. Kamiya Khatter, Senior Editor - Applied Sciences & Engineering, Springer Nature India Pvt Ltd., New Delhi, India</i>
<i>11:20 Hrs – 11:30 Hrs</i>	<i>Addresses by Guest of Honour- Mr. Abhishek Kumar, Founder & CEO at Dievas Technologies Private Limited, Noida</i>
<i>11:30 Hrs - 11:40 Hrs</i>	<i>Addresses by Guest of Honour- Shri Surendra Singh, Scientist – ‘E’, MeitY – HRD, New Delhi</i>
<i>11:40 Hrs – 11:55 Hrs</i>	<i>Addresses by Chief Guest – Shri Sanjay Kumar Gurudin, IPS, IG- ITBP, New Delhi</i>
<i>11:55 Hrs – 12:10 Hrs</i>	<i>Felicitation of Distinguished Guest</i>
<i>12:10 Hrs – 12:25 Hrs</i>	<i>Addresses by Guest of Honour and Keynote Speaker - Mr. Akash Takyar, Founder and CEO, LeewayHertz, India</i>
<i>12:25 Hrs – 12:30 Hrs</i>	<i>Vote of Thanks by Dr. Rajneesh Kumar Singh, HoD - CSA, General Co-Chair, ICAAAIML-2025, Sharda University, India</i>
<i>12:30 Hrs – 13:30 Hrs</i>	<i>Networking Lunch</i>

Track wise Paper Presentation Schedule – Day 1- 18th July, 2025

<i>Track</i>	Date	Time	Paper IDs
<i>Track 1.1</i>	18th July, 2025	2:00 PM to 4:00 PM	273, 676, 898, 1185, 1387, 1699, 1837
<i>Track 2.1</i>			20, 460, 1111, 1363, 1585, 1786, 1873
<i>Track 3.1</i>			120, 882, 1133, 1370, 1586, 1819, 1875
<i>Track 4.1</i>			189, 600, 698, 1191, 1427, 1746, 1839
<i>Track 5.1</i>			277, 515, 836, 890, 908, 917, 1166, 1375, 1541, 1785, 1825

Track wise Paper Presentation Schedule – Day 2- 19th July, 2025

<i>Track 1.2</i>	19th July, 2025	10:00 AM to 4:00 PM	124, 525, 886, 891, 1181, 1371, 1608, 1901
<i>Track 2.2</i>			286, 801, 941, 1247, 1457, 1766, 1857
<i>Track 3.2</i>			739, 1205, 1377, 1451, 1754, 1838, 1842
<i>Track 4.2</i>			143, 599, 1167, 1627, 1692, 1831, 1909
<i>Track 1.3</i>	19th July, 2025	2:00 PM to 4:00 PM	457, 833, 994, 1347, 1832, 1867, 1911
<i>Track 2.3</i>			345, 817, 971, 1344, 1487, 1777, 1862

Keynote Session Schedule - 18th & 19th July, 2025

Track	Date	Time	Paper IDs
Keynote Session 1	18th July, 2025	12:05 PM to 12:25 PM	Mr. Akash Takyar, Founder and CEO LeewayHertz, India Link: ICAAAIML Inaugural Keynote Meeting-Join Microsoft Teams
Keynote Session 2	18th July, 2025	2:00 PM to 4:00 PM	Prof. (Dr.) Bhuvan Unhelkar Professor University of South Florida Sarasota- Manatee, USA Link: ICAAAIML- Keynote Session Meeting-Join Microsoft Teams
Keynote Session 3	19th July, 2025	2:00 PM to 4:00 PM	Dr. Bhumika Shah, Data Solution Engineer, Chubb, USA Link: ICAAAIML- Keynote Session Meeting-Join Microsoft Teams

SNO	Track	Link
1	Track 1.1	ICAAAIML Session Track 1.1 Meeting-Join Microsoft Teams
2	Track 2.1	ICAAAIML 2025 Session Track 2.1 Meeting-Join Microsoft Teams
3	Track 3.1	ICAAAIML Session Track ID 3.1 ICAAIML 2025 Meeting-Join Microsoft Teams
4	Track 4.1	ICAAAIML Session Track 4.1 Meeting-Join Microsoft Teams
5	Track 5.1	ICAAAIML Session 5.1 Meeting-Join Microsoft Teams
6	Track 1.2	ICAAAIML track 1.2 Meeting-Join Microsoft Teams
7	Track 2.2	ICAAAIML 2025 Session Track 2.2 Meeting-Join Microsoft Teams
8	Track 3.2	ICAAAIML Session Track 3.2 2025 Meeting-Join Microsoft Teams
9	Track 4.2	ICAAAIML Session Track 4.2 Meeting-Join Microsoft Teams
10	Track 1.3	ICAAAIML Session Track 1.3 Meeting-Join Microsoft Teams
11	Track 2.3	ICAAAIML Session Track 2.3 Meeting-Join Microsoft Teams

Track wise Detailed Paper Presentation Schedule – Day 1- 18th July, 2025

Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 1.1: Date: 18th July, 2025 Timings: 02:00 PM to 04:00 PM	1.	273	Evaluating Modern Approaches in Coverless Steganography: A Review of Techniques and Trends	Soumili Chakraborty , Twisha Talukder, Subhadeep Chakraborty and Pabak Indu
	2.	676	Secure and encrypted data sync model between two networks and databases	Madhurendra Kumar, Sourish Behera, Kumar Bhasker
	3.	898	Malware Detection Approach using Autoencoder-Based Anomaly Detection in Deep Learning	Nimish Kushwaha, Sandesh Varma, Suthir Sriram, Nivethitha V
	4.	1185	AI-Powered Food Detection and Calorie Estimation Using YOLOv8	Gorantla Gayathri, M. Vijayalakshmi, Kalp Agarwal
	5.	1387	TravelSphere: An Intelligent Trip Planning System using AI and Real-Time-Data	Nishita Singhal, Gargi Mittal, Richa Kumari, Durgesh Kumar
	6.	1699	Developing Scalable Facial Recognition Solutions in Robotics using Azure Machine Learning	Anurag Kumar Srivastava, Ashish Sharma, Saurabh Singhal, Sanjay Pratap Singh Chauhan, Sanjay Pachouri, Lalit Mohan Gupta
	7.	1837	TouchSI-Net: A Swarm-Intelligent Deep Learning Model for Unimodal Smartphone Authentication	Anjani Gupta, Arunima Jaiswal. Gaurav Indra
Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 2.1: Date: 18th July, 2025 Timings: 02:00 PM to 04:00 PM	1.	20	AI Algorithms for Predicting Adverse Drug Reactions	Gauri Tamhankar, Mandeep Kaur, Shamla Mantri, Gaganjot Kaur, Nelson Nishant Kumar Lyngdoh, Gaurav Raj
	2.	460	TerraFlyNet: Adaptive Edge-AI Swarms for Smart Agricultural Operations	Mohammad Shahnawaz Shaikh, Ashwini Kumar Jha , Aparajita Biswal, Niraj K. Nagrale, Vishakha N. Nagrale, Bikram Sarkar
	3.	1111	Predictive Modeling of Drivers' Positions in Formula 1 Racing Using Machine Learning Techniques	Shilpa Mahajan, Ragni Sharma
	4.	1363	XRP Cryptocurrency Return Prediction Using Machine Learning Algorithms	Sai Loukya Namineni, Ravi Pranavi, Bonam Hitesh Phaneendra, Ramanathan Lakshmanan
	5.	1585	AI model for Feature Extraction from Drone orthophotos	E Kishore, K Magesh, R Prithiv Raj, R Anuradha
	6.	1786	Analyzing and Forecasting CO2 Emissions using Machine Learning Techniques ,	Vaibhavi Kolhe , Piyusha Bhadange , Sujal Kamble , Harsha Bhute
	7.	1873	Fault tree sensitivity analysis with KNeighbors regressor model for simple issuance of the movement authority dataset from the computer-aided dispatch system to train	Vasudev Karredla, Sujan Yenuganti, Paul Hacker

Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 3.1: Date: 18 th July, 2025 Timings: 02:00 PM to 04:00 PM	1.	120	Cloud Computing-Based Financial Fraud Detection Using Artificial Intelligence based Decision Support Neural Network method	Ravi Kumar Ravi
	2.	882	Empirical Study of Machine Learning Techniques for Depression Detection on Social Media Textual Data	Shruty Ahuja , Arunima Jaiswal , Kanchan Sharma
	3.	1133	Comprehensive Review and application of Machine Learning YOLO variant in Smart Cities	Pankaj Kumar Gautam, Sanjeev Kumar
	4.	1370	Comparative Analysis of Random Forest and SVM Algorithms for Enhanced Liver Transplant Matching	Anjali Sharma, Pushpendra Singh, Harish Sharma
	5.	1586	A Review on Smart Contract Vulnerability Detection using Deep Learning	Anita Thakur, Virender Ranga, Ritu Agarwal
	6.	1819	RealTime Livestock Tracking and Continuous Data Monitoring System	P. Ramesh kumar, Aslesha Parisa, Sheeba Sultana Shaik
	7.	1875	A Deep Learning Framework for Image Forgery Detection Using Contrast Enhancement and Context-Aware Reconstruction with DenseNet201	Ashutosh Pandey, Niranjan Lal, Ashish Kumar Chakraverti
Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 4.1: Date: 18 th July, 2025 Timings: 02:00 PM to 04:00 PM	1.	189	Analysis of Machine Learning Approaches for Earthquake Magnitude Prediction in India	Ravinder Kumar, Nandini, Tanvi Sharma
	2.	600	Adaptive Image Enhancement using Particle Swarm Optimization: A Lightweight Alternative to Deep Learning Models	Priyanshu Bagasi, Kajal Singh, Rizak Singh, Rishabh Yadav, Sanjiv Kumar Tomar, Ram Paul Singh
	3.	698	Enhancing YOLOv8 for Real-Time Object Detection	Puja Rani , Riya Raj, Shubham, Nidhi Sharma
	4.	1191	Intelligent Traffic Light Control Using Real-Time Vehicle Detection and Edge Computing	Mayuri Gawade, Chinmay Rane, Karan Rajput, Punyesh Kapre, Narayani Rajebhosale, Nidhi Randive, Amber Rathi
	5.	1427	Towards Open-World Learning: An AI-Driven Framework for Real-Time SQL Injection Detection Using LSTM	Siddharth Singh, Jitendra Parmar
	6.	1746	A Comprehensive Review of Emerging Non-Invasive Diagnostic Techniques for Endometriosis	Anika Bisht, Ajita Pathak, Arun Prakash Agrawal
	7.	1839	Sustainable Farming with AI: Real-Time Plant Disease Monitoring	T Meena, Rayalavarapu V B Nithish, Chavva Mariya Rajiv Reddy, and Raavi Venkat Sai

Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 5.1: [OFFLINE Session] Date: 18th July, 2025 Timings: 02:00 PM to 04:00 PM	1.	277	Boosting Ad Engagement: Comparing Machine Learning Algorithms for Predicting Click-Through Rates	Shalini Gambhir, Vishal Kumar, Raunit Arora, Ritwik Arora, Apoorvi Sood
	2.	515	Classification and Analytical Techniques in Diabetic Retinopathy: Current Research and Future Directions	Komal Sharma, Riya Sapra, Sarita, Manzoor Ansari
	3.	836	Automated Detection of Pulmonary Tuberculosis Using Machine Learning A Web-Based X-Ray Image Analysis System	Vaneeta Ahlawat, Urush, Pooja Gambhir
	4.	890	Challenges in Tumors prediction and drug delivery by Nanomaterials Using Machine Learning and Deep learning	Badal Bhushan
	5.	908	Transfer Learning Based CNN Model for Classification and Prediction of Osteoarthritis in Knee Joint	Shubham Kumar Singh, Kuldeep Chouhan, and Arun Prakash Agrawal
	6.	917	A Systematic Review of Hand Gesture Detection and Recognition Systems	Nripesh Solanki, Avinash Kumar Sharma, and Sonia Setia
	7.	1166	DeepPlasticNet: Deep Learning-Driven Insights into Microplastic Pollution in Marine Environments	Ashish Kumar Thakur, Sunil Kumar Singh
	8.	1375	Adaptive Bio-Inspired Algorithm for Real-Time Human Posture Monitoring and Correction	Garima Panwar, Deepshikha Bhargava, Harsh Khatter
	9.	1541	ICAAAIML-2025 - 1541 - AccAdvanced Resource Optimization in Cloud Environments Using Proximal Policy Optimization: A Comprehensive Study	SharanPreet Kaur
	10.	1785	Collaborative and Content-based Approach for Movie Recommendation System	Rupak Kumar, Nikhil Kumar, Anupam Kumar Saini, Mohammad Arif
	11.	1825	AI-Driven Traffic Management: Utilizing YOLO for Real-Time Detection, Counting, and Regulation of Traffic to Prevent Congestion	Lincoln M Mtapure , Faizanul Haque , Craig T Lali

Track wise Paper Presentation Schedule – Day 2- 19th July, 2025

Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 1.2: Date: 19th July, 2025 Timings: 10:00 AM to 12:00 PM	1.	124	Evaluation of Supervised and Unsupervised Techniques for Fraud Detection in Healthcare Claims	Neha Dahiya, Ansha Khokhar, Shiraz Khurana
	2.	525	Federated Deep Learning Architecture for Energy Optimization in Distributed Anomaly Detection Networks and Systems	Rajesh Sharma R, Ellappan. V, Akey Sungheetha, Shelia Mahapatra Shivaram, K.T, Tamilarasi. S,
	3.	886	Optimized Deep Learning Model for Multi-Disease Recognition in Paddy Crops Using the RFCN Framework	Ambrayya, William Thomas H M
	4.	891	HyGAN-AD: A Hypergraph-based GAN Framework for Cyberattack Detection in Critical Infrastructures	Abinash S, Aishwaryaa H, Shankar Sriram V S, Kannan Krithivasan, Priyanga S
	5.	1181	AI-Driven Dermatological Diagnosis: Enhancing Skin Disease Classification with SRGAN and Vision Transformer	Poonkuzhali S, Linghesh B, Swathi G
	6.	1371	Deep Learning Framework for Colorectal Polyp Segmentation in Endoscopy and Colonoscopy Images: A Comprehensive Review	Shivangi Tayal, Rajni Sehgal
	7.	1608	Transforming Brain Tumor Analysis: A Deep Learning and CNN-Based Segmentation and Detection Framework	Sandeep Bhatia, Prakhar Pandey, Mohd. Naved Raza Khan, Bharat Bhushan Naib, Hardeep Singh Dhillon
	8.	1901	Advances and Applications of Artificial Intelligence and Machine Learning in Resource Optimization	Pawan Kumar
Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 2.2: Date: 19th July, 2025 Timings: 10:00 AM to 12:00 PM	1.	286	Utilizing neural networks for real-time traffic management and urban planning	Dipti Jaiswal, Abha Choubey, Siddhartha Choubey, Manuraj Jaiswal
	2.	801	Enhanced Misinformation Detection using Coefficient-Based Integration of TF-IDF and Sentiment Scores	Preeti Kumari, Avnish Thakur
	3.	941	CHURN PREDICTION APPLICATION FOR THE TELECOM INDUSTRY	Jaspreet Kaur, Manmohan Singh, Ankur Srivastava, Shreya Suman, Vipin Kumar Chaudhary
	4.	1247	E-WasteNet: A CNN-LSTM-Based Deep Learning Framework for Effective E-Waste Classification	Prabhakaran M, M. Vanitha, V. Sathya, A. Gowri
	5.	1457	Analysis Improved BERT Model Effective Prediction of Mortality Rate and Diagnosis of Heart Disease Using Classification-Based Hybrid Machine Learning Tech-nique	Ritu Aggarwal, Suneet kumar, Sourabh Budhiraja, Eshaan Aggarwal
	6.	1766	Prose2Poetry: Generating Rhyming Couplets from Non-Rhyming Prose	Sai Karthik Varma Indukuri
	7.	1857	Intelligent Intrusion Detection in SDNs Using Tuned Deep Learning Algorithms	Ramakant Katiyar, Hari Shankar Punna, Chatrapathy K., Vijay Kumar Verma and S. P. Santhosh kumar

Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 3.2: Date: 19th July, 2025 Timings: 10:00 AM to 12:00 PM	1.	739	Forest Fire-Smoke Detection and Classification	Ram Jee Pal, Saurabh Kumar, Saurabh Kumar Jha, Shivang Gupta and Kaleem Ur Rehman
	2.	1205	Investigation on Different Identification Techniques for Locomotive Disabilities Using Internet of Health Things Data	R Maneendhar, D.Kavitha
	3.	1377	Quantum Computing in Drug Discovery: Innovations in Pharmaceutical Research for publication in the ICAAAIML-2025	Sairamakrishna BuchiReddy Karri, Mohd Tajammul and Srujana Karanam
	4.	1451	Handwritten Digit Recognition and Equation Solving Using Deep Learning on MNIST and a Custom Dataset	Aaditya Singhal, Lakshay Bhardwaj, Sandeep Kumar
	5.	1754	Ameliorating of Soil organic carbon prediction with analysis on LUCAS dataset using LSTM with Contractive Autoencoder	Zeba Anwar, Sarfaraz Masood
	6.	1838	Deep Learning based Abnormal Gait Classification Using Plantar Foot Pressure Data	Abhisek Naik, Chandra Prakash
	7.	1842	Designing Robotic Pharmacy Systems for Automated Prescription Dispensing	Waghmode R. R, Dr Gaganjot Kaur, P. V. Barekar, Dr Mandeep Kaur, Babar A.V
Track Detail	S. No.	Paper ID	Paper Title	Authors
Track 4.2: Date: 19th July, 2025 Timings: 10:00 AM to 12:00 PM	1.	143	Real-Time Dynamic Object Detection Using DNN and GSA	T. Mahalingam ,Dr.A.Vijayaraj , Manoj Kumar S, Mohamed Aadhil M, Nithish S, D Yogeswar Reddy
	2.	599	Development of deep learning model for early detection of mango skin disease	Rinku Sharma and Ashish Sharma
	3.	1167	Defect Detection System Using High-Resolution Cameras for Scratches/Dents	Namrata Paul, Enjula Uchoi
	4.	1627	Proposed Technique for Autism Spectrum Disorder (ASD) Detection using SHAP-based Explainable AI and Machine Learning Algorithms	Savita Rani, Anna Alphy, Devendra Kumar
	5.	1692	Adaptive MPPT Algorithms for Partial Shading Conditions and Power Quality Enhancement in Grid-Connected Photovoltaic Systems	Ajit Kumar , Vineet Kumar Tiwari
	6.	1831	Simplifying Urban Commutes Through Smart Carpooling	Sandeep Bhatia, Harshit Raj, Pradeep kumar Singh, Soniya Verma
	7.	1909	Stock Price Prediction Using Machine Learning and Deep Learning Models	Gaurav Soni, Ganesh Khekare

Track Detail	S. No.	Paper ID	Paper Title	Authors Presenter Name
Track 1.3: Date: 19 th July, 2025 Timings: 02:00 PM to 04:00 PM	1.	457	Out Of Stock Fish: Neural Net-Evaluated Alpha-Beta Chess Engine With Zobrist Caching	Tanishq Pathak, Advik Singh, Bhavya Sharma, Dolly Sharma
	2.	833	Enhancing Breast Cancer Identification: A Comparative Analysis of Three Supervised Learning Frameworks	Y. Murali Mohanbabu
	3.	994	Medical Image Analysis Using Deep Learning	Anurag tyagi, Dilkeswar pandey
	4.	1347	The use of AI for Enhancing online Privacy and Data Protection	Mukul Kumar, Jitendra Singh Jadon
	5.	1832	Content Aware: Image Compression Using Deep Learning and SLIC algorithm	Priya Surana, Amey Jadhav, Yuvraj Khade, Vineet Salve, and Atharva Walzade
	6.	1867	Heuristic Approaches for Load Balancing in Fog Computing: Techniques, Applications, and Future Prospects	Pawanpreet Walia, Ankit Khare, Lokesh Pawar
	7.	1911	A Hybrid Deep Learning Approach for Phishing Detection Using Textual and Structured Feature Analysis	Yuvarani P, Balajisrinath R
Track Detail	S. No.	Paper ID	Paper Title	Authors Presenter Name
Track 2.3: Date: 19 th July, 2025 Timings: 02:00 PM to 04:00 PM	1.	345	Bridging Artificial Intelligence and Neuroprosthetics for Next-Generation Prosthetic Limbs a Technological Innovation in Neuroprosthetics	Gaytri Gupta , Kumud Kundu, Sandhya Sharma, Aarav Verma , Nitya Pal
	2.	817	NeuroBlade: Intelligent Robotics and the Rise of Autonomous Surgery	Mohammad Shahnawaz Shaikh, Neelesh Kumar Jain, Abhirup Sinha, Praveen Kumar Patidar, Yassir Farooqui , Mujtaba Ashraf Qureshi
	3.	971	BlockToken: A Secure Blockchain and NFT Based Marketplace for Real Estate Properties	Shivanant Deo Bhagat, Gulshan Shrivastava, Shiv Naresh Shivhare, and Hoor Fatima
	4.	1344	Modelling the impact of metaverse adoption on purchase intention of consumers in fashion industry	Eshita Gupta, Ruchi Jain Garg
	5.	1487	A Crime Rate Forecasting Model Using Machine Learning Techniques	Chandra Bhushan Kumar Yadav, Amber Raj Saxena, Satvik Shukla
	6.	1777	A Study on Performance Analysis of Popular Linux Distributions	Nidhi Bhatt, Arunima Jaiswal, Ishita Singh, and Nitin Sachdeva
	7.	1862	AI-Driven Framework for Early Detection of Neurodegenerative Diseases Using Multimodal Biomarkers	Kavitha R, Nitin Kumar, Avinash Kumar3

For any query, please contact:

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