







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

28th – 29th December 2023

Organized by

Sharda School of Engineering and Technology, Sharda University, Greater Noida, India

ICAAAIML-2023: Program Schedule

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

Date: 28th December, 2023 Timings: 10:00 AM to 12:30 PM

Time Slots	Detailed Plan of Inauguration
10:00 Hrs - 10:30 Hrs	High Tea
10:30 Hrs - 10:35 Hrs	Lamp Lighting
10:35 Hrs - 10:40 Hrs	Curtain Raiser: Introduction to Theme of ICAAAIML-2023 by Prof. (Dr.) Arun Prakash Agrawal, HoD - CSA, General Co-Chair, ICAAAIML-2023, Sharda University, India
10:40 Hrs - 10:45 Hrs	Welcome Address by Shri Pradeep Kumar Gupta, Chancellor, Sharda University and Chairman, SGI
10:45 Hrs - 10:50 Hrs	Welcome Address by Shri Yatendra Kumar Gupta, Pro-Chancellor, Sharda University and Vice-Chairman, SGI
10:50 Hrs - 10:55 Hrs	Welcome Address by Shri Prashant Gupta, CEO, Sharda University, India
10:55 Hrs - 11:00 Hrs	Address by Prof. (Dr.) Sibaram Khara, Vice Chancellor, Sharda University, India
11:00 Hrs - 11:05 Hrs	Address by Prof. (Dr.) Parma Nand, Pro Vice Chancellor, Sharda University, India
11:05 Hrs - 11:10 Hrs	Welcome Address by Prof. (Dr.) Shankar Ramamoorthy, Dean, SSET & General Chair, ICAAAIML-2023
11:10 Hrs - 11:35 Hrs	TransAI-Transdisciplinary Panel Discussion by Deans (Dean Academics, Dean SAHS, Dean SSBS, Dean SSBSR, Dean SHSS,) on "Advances and Applications of Artificial Intelligence and Machine Learning in various domains"
11:35 Hrs – 11:45 Hrs	Addresses by Chief Guest, Prof. (Dr.) Vinay Thakur, MD, NICSI, Ministry of Electronics and IT, India
11:45 Hrs - 11:55 Hrs	Addresses by Guest of Honour, Ms. Kamiya Khatter, Associate Editor, Springer Nature Pvt. Ltd., India
11:55 Hrs – 12:05 Hrs	Addresses by Guest of Honour, Mr. Lokesh Nigam, Founder, Kognoz& Konverz.AI, India
12:05 Hrs – 12:10 Hrs	Addresses by Guest of Honour, Mr. Mukul Gupta, Consultant, Senior Business Analyst, Sydney, Australia
12:10 Hrs – 12:15 Hrs	Addresses by Guest of Honour, Ms. Shikha Gupta, Business Systems Analyst, Salesforce, Sydney, Australia
12:15 Hrs – 12:20 Hrs	Addresses by Distinguished Guest, Dr. Om Pal, Associate Professor, University of Delhi, India
12:20 Hrs – 12:25 Hrs	Addresses by Distinguished Guest, Dr. Ankur Choudhary, Senior Manager, DS Group, India
12:25 Hrs - 12:30 Hrs	Vote of Thanks by Prof. (Dr.) Sanjeev Kumar Pippal , HoD - CSE, General Co-Chair Sharda University, India,
12:30 Hrs – 13:30 Hrs	Networking Lunch

<u>Track wise Paper Presentation Schedule – Day 1- 28th December 2023</u>

Track Detail	S. No.	Paper ID	Track ID	Session ID	Paper Title
	1.	183	1	1.1	Exploring the Role of Deep Learning and Explainable AI in Android Malware Detection: A Systematic Review Mandeep Kumar, Abhishek Kajal, Kulbir Singh
Track 1.1: AI &ML in Image Processing, Security	2.	220	1	1.1	A Framework for Intrusion Detection System using Deep Learning Gauri Gera, Supriya Raheja
and Data Analytic	3.	230	1	1.1	Hey AI Can You Grade My Essay? Maisha Maliha, Vishal Pramanik
Date: 28th December, 2023 Timings: 02:00 PM to 04:00 PM	4.	234	1	1.1	Audio-Visual Fusion for Deepfake Video Detection: A Deep Learning Framework Vishal Kumar Sharma, Rakesh Garg, Quentin Caudron
Session Chairs 1. Dr. Chandra Prakash	5.	520	1	1.1	Enhanced Radiology Reporting via Synergies between Natural Language Processing Models and Prompt Engineering Manju Dabass, Mohammed M. Jabeer, Anuj Chandalia, Dwarikanath Mahapatra
2. Dr. Vishal Jain 3. Dr. Sudeep Varshney ICAAAIML - Track - I https://us04web.zoom.us/j/771268 59089?pwd=UnBG3HKtzioW6sX1Trv	6.	572	1	1.1	Streamlined Speech Recognition Model for Automated Radiology Reporting Employing Combined Automatic Speech Recognition Model, Large Language Model, and Prompt Engineering Manju Dabass, Mohammed M. Jabeer, Anuj Chandalia, Dwarikanath Mahapatra
	7.	606	1	1.1	Framework for Integrating Intelligent Conversational Chatbots into Learning Management Systems (MOODLE) to Improve Teaching Learning Evaluation Process JohnbeneticGnanaprakasam, Ravi Lourdusamy
	8.	653	1	1.1	Navigating Complex Texts with Semantic Extraction and Condensing Legal Document Summarization R V Rahul Krishna, Boppana Vegesh Sai, Puttamraju Sai Manaswi, Arpita Gupta
Track 2.1: AI &ML in Image Processing, Security and Data Analytic Date: 28th December, 2023 Timings: 02:00 PM to 04:00 PM Session Chairs 1. Dr.Arun Pratap Srivastava 2. Dr.Sandeep Kumar 3. Dr.Megha Chhabra	1.	120	2	2.1	Hey Leveraging Federated Explainable AI with Blockchain for Secure Healthcare Data Analysis: A Promising Approach for Improved Patient Outcomes
	2.	148	2	2.1	Swati Sharma, Vivek Tomar, Sangeeta Arora Understanding the behaviors and detecting the mental health symptoms among students using Machine Learning Algorithms Sangita Pokhrel, Swathi Ganesan, Soonleh Ling, NalindaSomasiri
	3.	184	2	2.1	Enhancing Stock Price Prediction Accuracy Through Deep Learning Techniques: A Case Study on Nepal's Stock Market M Swathi Ganesan, Lakmali Karunarathne, Haroon Muhammed Sihan, Nalinda Somasiri
	4.	314	2	2.1	Determining Construction Objects And Equipment On Site By Analyzing Construction Activities And Using Deep Learning Networks Swati Sah, Shweta Kumawat, Kofi Immanuel Jones
	5.	244	2	2.1	AirTouch: Virtual Mouse System Jay Jain, Shyam Bhuva, Sahil Bhagat, Deepkumar Patel, Kriti Srivastava, Pranit Bari

ICAAAIML- Track 2 https://zoom.us/j/92252046745?p wd=Vmhkb1hNcVJ5VkxEWXZtYy96	6.	263	2	2.1	Using ConvNeXT with Thermal and RGB images for Rice leaf Disease classification and estimation M Gokul Raja, Sarath S
RW5XQT09 Meeting ID: 922 5204 6745 Passcode: icaaaiml23	7.	277	2	2.1	Anemia Disorder Classification: A Comparative Analysis of CNN Model and Pre-trained Models Hemanth. K. S, Nagaraju S, Muralidhara B
Passcoae: tcaaamt25	8.	400	2	2.1	An AI and ML-Enhanced Approach with IoT for Pothole Detection to Ensure Pedestrian Safety During Flooding Pancham Singh, Mrignainy Kansal, Purvika Panwar, Manas Mishra, Kartikeya Patel, Avinash Kumar Sharma
Total 2 LANG MILLAR	1.	431	3	3.1	Analyzing the Potency of Deep Learning Models for Multi-Class Classification for Creating Real-time Food Detection System Umer Farooq, Ruchi Jain Garg, Mridul Dharwal, Pooja Tiwari
Track 3.1: AI & ML in IoT, Blockchain, and Healthcare	2.	500	3	3.1	A Multimodal Deep Learning Approach for Emotion Recognition in a Diverse Indian Cultural Context Ruhina Karani, Vijay Harkare, Krishna Kamath, Khushi Gupta, Om Shukla, Dr. Sharmishta Desai
Date: 28th December, 2023 Timings: 02:00 PM to 04:00 PM	3.	542	3	3.1	Disease Diagnostics in Paddy Fields: A Deep Learning Perspective Sheradha Jauhari, Krishna Kant Agrawal
<u>Session Chairs</u> 1. Dr.Tanupriya Choudhury 2. Dr.SPS Chauhan	4.	594	3	3.1	A Collective Approach of Drone Detection System based on Machine Learning and Deep Learning Satyam Kumar, Anirudh Singh, Deepjyoti Choudhury
3. Dr.Keshav Gupta ICAAAIML - Track 3	5.	625	3	3.1	From Pixels to Predictions: Medical Image Analysis and Prediction of Brain Tumor and Chest Cancer with Vision Transformers Bhagyashree Hambarde., Mohammed Zubair Hussain, Mohammed Saad Hussain, Shrey Gupta, Revanta Tomar, Sanskriti Gupta
https://us06web.zoom.us/j/884207 79393?pwd=aGKk7lvPakwZar9A9jP	6.	628	3	3.1	Endpoint Focused Ideal Attributes of a Cryptocurrency Wallet Mohd Azeem Faizi Noor, Khurram Mustafa
oNbbOZJvWMd.1 Meeting ID: 884 2077 9393 Passcode: icaaaiml23	7.	641	3	3.1	ActivMedica - MRI Brain Image Detection & Captioning with ActivGPT Integration ShanidMalayil, Sudeep Krishna P, RabeenPattupara, Rishil Mohamed P M, Salman Faris, Muhammed Suhair K, Jemsheer Ahmed P
	8.	655	3	3.1	Ensemble Learning of Heart Attack Prediction Using Machine Learning Algorithms Tanmay Aswale, Priya Waghmare, Sushma Yemmewar, Vedant Choudhary, Shubham Khirade
OFFLINE TRACK Track 4.1: AI & ML in IoT, Blockchain, and Healthcare Date: 28th December, 2023 Timings: 02:00 PM to 04:00 PM Session Chairs 1. Dr.Ashish Chakraverti 2. Dr.Swati Sah	1.	301	4	4.1	Genomic Insights into Infertility Using Neural Network Payal Gupta, Garima Bhardwaj, Shivani Dubey, Tarun Tayal, Abhishek Sengupta, Priyanka Narad
	2.	342	4	4.1	Smart Helmet for Road Accident Detection and Aid Using IoT Sudhanshu Kumar, Himanshu Yadav, Ashutosh Kumar, Mandeep Kaur
	3.	391	4	4.1	Peach Leaf Disease Classification using CNN Mrinal Pandey, Mamta Arora, Poonam Biswas, Kanan Arora, Shivam Bhagat, Vishal Baheti

ICAAAIML - Track 4	
Room Number-315(Block	(-1)

<u>Track wise Paper Presentation Schedule – Day 2 - 29th December 2023</u>

Track Detail	S. No.	Paper	Track	Session	Paper Title
Т пск Деши	S. NO.	ID	ID	ID	raper flue
Track 1.2: AI &ML in Image Processing, Security	1.	129	1	1.2	A Comparative study of k-means clustering based Image Segmentation methods Simon Tongbram, Benjamin A Shimray, Loitongbam Surajkumar Singh
and Data Analytic	2.	187	1	1.2	Network Intrusion Detection using LSTM-based Models Aditya Bhushan, Ashutosh Kumar Singh, Vijay Kumar Dwivedi
Date: 29th December, 2023 Timings: 10:00 AM to 12:00 PM	3.	202	1	1.2	Advantages of generative AI in Image Processing Pan Singh Dhoni, Anshul Jain
<u>Session Chairs</u> 1. Dr.Shailesh Tiwari	4.	233	1	1.2	Efficient Iris Recognition System using Supervised Learning Algorithm Vaibhav Panwar, Sanjeev Kumar Pippal, Ashok Kumar Sahoo
 Dr.Rani Astya Dr.Ambuj Agrawal 	5.	320	1	1.2	Advances in Fall Detection Using Artificial Intelligence Tuhina Raj, Pallavi Gupta, Manisha Rajoria
ICAAAIML - Track -1	6.	439	1	1.2	Machine Learning Techniques for Classification and Regression: Vinho Verde Dataset Harsh Zele
https://us04web.zoom.us/j/771268 59089?pwd=UnBG3HKtzioW6sX1Trv YyM1IAA5TGi.1	7.	470	1	1.2	An Advance Model to Predict Water Quality Index of Groundwater Using ANN and Ada-boost Algorithm Mehtab Mehdi, Bharti Sharma, Osman Ali Khan, Mohammad Sayeed Khan, Ali Sirageldeen Ahmed
Meeting ID: 771 2685 9089 Passcode: icaaaiml23	8.	519	1	1.2	Modified PolypSegNet for Polyp-Segmentation of Colonoscopy Images Nilanjan Saha, Mahadev Mondal, Ayush Kumar Bhanja, Aindrila Mandal, Mainak Bandyopadhyay
Track 2.2: AI &ML in Image Processing, Security and Data Analytic Date: 29th December, 2023 Timings: 10:00 AM to 12:00 PM Session Chairs 1. Dr.Parveen Kumar 2. Dr.Kuldeep Chouhan 3. Dr.Mandeep Kaur	1.	156	2	2.2	Convolutional Neural Network based Deep Learning Method for Fruit Classification Mrinal Paliwal, Sunil Kumar Chawla, Punit Soni, Anurag Jain, Tanupriya Choudhury, Ketan Kotecha
	2.	163	2	2.2	Leveraging Differently Layered Convolutional Neural Network for Speech Emotion Recognition Gaddam Prathik Kumar, Anas Iqubal, Muqtada Hasan, Arun Prakash Agrawal
	3.	224	2	2.2	Generative Rebirth: Advancing Image Regeneration through Adversarial Networks Manav Khambhayata, Aman Singh, Sahil Garg, Daljeet Kaur

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ICAAAIML- Track 2	4.	608	2	2.2	Structure From Motion Using Deep Learning Priyanshu Kumar Saw, Nancy, Shivam Gupta, Jyotirmaya Mishra, Harashleen Kour
https://zoom.us/j/92252046745?p wd=Vmhkb1hNcVJ5VkxEWXZtYy96	5.	611	2	2.2	Image Caption Generation Omkar Dadasaheb Ithape, Jitendra Musale, Mohsin Mohammad Rafeek Kokani, Shruti Nitin Bairagi, Pushpa Tulashidas Paranjape
RW5XQT09 Meeting ID: 922 5204 6745 Passcode: icaaaiml23	6.	642	2	2.2	AI-Powered Cyber Sentinel: Advanced Phishing Website Detection for Enhanced Online Security Jaseena C A, Sahla, Muskina K A, Jishna Mol K, Megha O, Jemsheer Ahmed P
	7.	652	2	2.2	Network Session Intrusion Detection by Random Forest and Modified TLBO Yashwant Kumar Kori, Rajesh Kumar Boghey, Ram Kumar Sahu
	8.	664	2	2.2	Edge based Smart Energy Management System Using Object Detection M. Bennish, M. Saravanan
Track 3.2: AI &ML in Image	1.	210	3	3.2	Anticipating customer loyalty to health insurance using PLS-SEM: the role of AI Chatbots, Gamified apps, and Customer engagement Dolly Mangla, Renu Aggarwal
Processing, Security and Data Analytic	2.	310	3	3.2	Security Technologies for Protecting Cyber Systems Syed Ahmeduddin, Gagan Deep Arora, Manish Chhabra, K L Raghavender Reddy, Kuldeep Chouhan
Date: 29th December, 2023 Timings: 10:00 AM to 12:00 PM	3.	319	3	3.2	Novel approach for Medical Image security using Image Encryption & Watermarking S. Aruna Deepthi, K. Deepthi, K. R. Deepthi, C. H. Neetu, Harshith. Y
<u>Session Chairs</u> 1. Dr.Divya Upadhyay	4.	325	3	3.2	Face Emotion Detection from Facial Expression using OpenCV Sangam Patil, Janhavi Sutar
2. Dr.Lalit Kumar 3. Dr.Richa Verma	5.	354	3	3.2	Leveraging NLP and Machine Learning to Detect Cyberbullying on Digital Platforms Prerna Mahajan, Swati Sah
ICAAAIML - Track 3 https://us06web.zoom.us/j/884207	6.	385	3	3.2	An Integrated Machine Learning Enabled Approach for Early Detection and its Severity Assessment of COVID-19 through X-Ray Imaging Rahul Deva, Arvind Dagur, S. P. S. Chauhan
79393?pwd=aGKk7lvPakwZar9A9jP oNbbOZJvWMd.1	7.	436	3	3.2	Unleashing Intelligence: Employing a Hybrid RNN Classifier to Propel Advances in Brain Tumor Classification Nadenlla Rajamohan Reddy, G Muneeswari
Meeting ID: 884 2077 9393 Passcode: icaaaiml23	8.	457	3	3.2	Malicious URL detection, classifier and web security analyzer Sahil Panchasara, Shubham Kathiriya, Chintan Bhatt, Alessandro Bruno, Kaushal Shah, Ajay Shriram Kushwaha
OFFLINE TRACK Track 4.2: AI & ML in IoT,	1.	207	4	4.2	Analysis of CERN's Project Atlas Data for a Possible Relationship Between Subatomic Particles Shailendra Narayan Singh, Farhan Asif, Duranjai Malik, Prajawal Gupta
Blockchain, and Healthcare Date: 29th December, 2023 Timings: 10:00 AM to 12:00 PM <u>Session Chairs</u>	2.	208	4	4.2	Machine Learning Based Approach for Diabetic Retinopathy Detection and Grading Shashank Goyal, Shailendra Narayan Singh, Harsh Jain, Ojasvi Jain, Tanu Bhaskar

 Dr.Rohit Sachan Dr.Sakshi Arora Dr.Ali Imam Abidi 	3.	415	4	4.2	Empowering Health Insurance with Personalization: A Comprehensive Architecture Leveraging Federated Learning and Blockchain Anant Jain, Gauranshi Gupta, Rahul Johari, Deo Prakash Vidyarthi
CAAADII Toola	4.	448	4	4.2	A new Annotated Resume Dataset and Test with RoBERTa model for Entity Extraction Laxmi Chaudhary, Shivam Vasandani, Kushagra Anand Dixit, Ansh Bhargava
ICAAAIML - Track 4 Room Number-315(Block-1)	5.	563	4	4.2	Identification of ASL Hand Gesture Language using Deep Learning Technique Vaishnavi Gupta, Shashank Shekhar, Ritika, Rohini Gaur, Ashish Pandey
	6.	565	4	4.2	A Novel Routing Protocol for UWSN Using Energy Efficient Marine Predator Optimization Technique Anmol Pandey, Anujaya Singh, Anushka Mishra, Ankit Pal, Ashish Pandey
Track 1.3: AI & ML in IoT, Blockchain, and Healthcare	1.	464	1	1.3	IoT Architecture and Machine Learning-Based Model for Network Traffic Classification ivya Kapil, Varsha Mittal, Atika Gupta, Nidhi Mehra
Date: 29th December, 2023 Timings: 01:30 PM to 03:30 PM	2.	494	1	1.3	DeepMDS: Deep Learning Integration for Accurate Detection of Pediatric Myelodysplastic Syndromes using FISH, Cytometry, and Karyotype Panel K. Srilakshmi, D. Venkata Lakshmi
Session Chairs 1. Dr.Shashank Awasthi 2. Dr.Ajay Shriram Kushwaha	3.	583	1	1.3	Wild Animal Detection System on a Farm Using Image Processing Nandini Gulhane, Madhuri Barhate, Swaroop Gudi, Tanvi Gunjal, Ayush Gude, Vedant Gulhane, Prasad Wagde
3. Dr.Sharik Ahmed	4.	670	1	1.3	Diagnosis of Bone Fracture based on Deep Learning Networks K. Jaspin, Mercy Kiruba, Priyadharshini
ICAAAIML - Track -1 https://us04web.zoom.us/j/771268 59089?pwd=UnBG3HKtzioW6sX1Trv	5.	678	1	1.3	A Review on Internet of things (IoT) Environment Using Software-Defined Networking (SDN) based on Different Networks Nidhi Bajpai, Madhavi Dhingra, Nisha Chaurasia
YyM1IAA5TGi.1 Meeting ID: 771 2685 9089 Passcode: icaaaiml23					
Track 2.3 AI & ML in IoT, Blockchain, and Healthcare	1.	192	2	2.3	Decision Level Fusion of Face and Gait cues using fusion of Median Local Binary Pattern (Median-LBP) and Gabor Scale Average (GSA) based PCA→LDA Annbuselvi K, Santhi N, Sivakumar S
Date: 29th December, 2023 Timings: 01:30 PM to 03:30 PM Session Chairs	2.	273	2	2.3	Alcohol Risk drinking Influencing Factors and their Impact on Health: An Epidemiological Data Analysis in Karnataka, India P.G Sunitha Hiremath, Vivek V.Pais, Neha Tarannum Pendari
1. Dr.Nanhay Singh 2. Dr.Rajneesh Kumar 3. Dr.Priyanka Saini	3.	290	2	2.3	A Novel Cyber Intrusion Detection & Notifying System for Network Administration using Machine Learning Approaches E M Priyesh, Nagaraj S, Ramkumar Krishnamoorthy
ICAAAIML- Track 2 https://zoom.us/j/92252046745?p	4.	313	2	2.3	Detection of Motor EEG Signals by Applying Combined Bidirectional LSTM Model with Spatial Features Helen R, Thenmozhi T, Mythili S,Raghavan N, Griharan S
wd=Vmhkb1hNcVJ5VkxEWXZtYy96 RW5XQT09	5.	375	2	2.3	Statistical Feature Based Traffic Classification and Quality of Service Assessment in Software Defined Networks Abhishek Kumar Gaur, Deepak Kumar Sharma, Amarjit Malhotra

Meeting ID: 922 5204 6745 Passcode: icaaaiml23 s					
Track 3.3: AI & ML in IoT, Blockchain, and Healthcare Date: 29th December, 2023	1.	418	3	3.3	A Novel Approach for Performance Evaluation and Effectiveness of Data-Driven Heart Disease Diagnosis Md Aminul Islam, Anindya Nag, Ayontika Das, Jobaer Faruque, Shabbir Ahmed Shuvo, Abdullah Hafez Nur, Md Habibur Rahman
Timings: 01:30 PM to 03:30 PM <u>Session Chairs</u>	2.	430	3	3.3	A Hybrid Recurrent Neural Network with Mini-batch Gradient Descent method for Multiple Sclerosis Disease Prediction E. Kavipriya, S. Sasikala
 Dr.Shailender Kumar Dr.Gaurav Kumar 	3.	561	3	3.3	Path Planning for Autonomous Drones using Proximal Policy Approximating Agent Varshini Devi I, Pravine Mukesh R, Paayas P, Varsha P, Supritha R, PrasannaKumar R
3. Dr.Mohd Tajammul ICAAAIML - Track 3	4.	650	3	3.3	Intelligent Plant Disease Diagnosis using Deep Neural Networks Satishkumar D, Vinoth Kumar K, Satheesh Kumar J, Arun Sekar Rajasekaran, D Yuvaraj
https://us06web.zoom.us/j/884207					
79393?pwd=aGKk7lvPakwZar9A9jP oNbbOZJvWMd.1					
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