Programme Schedule

4th International Conference on Intelligent Systems & Machine Learning
(ICISML-2024)

Organised by : Department of AI &DS, KPR Institute of Engineering and Technology, Coimbatore, India

Day-1, Friday, 23rd August 2024

Venue: Thanam Hall

Time	Event
9:00-9:45	REGISTRATION
	INAUGURAL CEREMONY
	KPR Anthem
10:00-10:05	Welcoming Guests to the Dias with Flower bouquet
10:05-10:10	Lighting of lamp & Tamil Thai Vazhthu
10:15-10:25	Welcome address by **Dr.S.V.Sudha , Professor and HoD, Dept of AI&DS, KPRIET**
10:25-10:28	Conference Address and declaration of conference to be open by **Dr.Sachi Nandan Mohanty, General Chair, ICISML-2024**
10:28-10:30	Presidential Address by **Dr. D. Saravanan, Principal, KPIET , Coimbatore, India**
10:30-10:32	Releasing the ICISML SOUVENIR by Guest and Chief Guest
10:32-10:37	Felicitation to Chief Guest **Dr.Kumar Rajamani, by Prof. Principal Dr. D. Saravanan**
10:37-10-39	Felicitation to Guest of Honour **Prof. Dr.Balaji Gururajan, Yuan Ze University, Taiwan by Prof. S.N. Mohanty**
	Felicitation to Guest of Honour **Prof. Dr. Anita Philips, Associate Researcher** Department of Computer Science, Kuwait University, Kuwait by **Prof. S.V.Sudha**
10:39-10:40	Felicitation to **Prof.S.N Mohanty**. General Chair, by Principal **Dr. D. Saravanan**
10:40-10:45	Address by Chief Guest Prof. **Dr.Kumar Rajamani, Associate Director, Cropin Technologies, Bangalore**
10:45-10:55	Address by Guest of Honour **Prof. Dr.Balaji Gururajan, Yuan Ze University, Taiwan**
10.55-11.05	Address by Guest of Honour **Dr. Anita Philips, Associate Researcher** **Department of Computer Science, Kuwait University, Kuwait**
11:05-11:20	Felicitation to all the Steering committee, organizing committee, by Chief Guest and Guest of Honour
11:20:11:25	Vote of Thanks by Prof **Dr. Nagarajan B, Professor, AI&DS Department, KPRIET**
11:25-11:30	National Anthem
11:30-11:40	Group Photo
11:40-11:55	Hi-Tea

Time & Venue	Event
	Keynote: #01 , Friday , 23rd August 2024 Faculty Incharge : Mr. G. Selvakumar, Assistant Professor (Sr. G.)
11:55AM - 1:00PM Venue: Thanam Hall	**Dr Kumar Gautam** **Founder and President** Quantum Research and Centre of Excellence, New Delhi, India. **Title: Quantum Gate design based on EM field interaction with Quantum DOTs technology**
	Lunch Break 1:00-2:00PM
	Keynote: #02 Faculty Incharge : Mr. G. Selvakumar, Assistant Professor (Sr. G.)
2:00-3:00PM Venue : Care Studio	**Prof. Fernando Moreira** **Full Professor, REMIT, IJP, Portucalense University, Portugal** **Title: Erudite Illiterates and the Ethics of AI in Education**
	Hi-Tea 3:00-3:15PM
	Keynote: #03
3:15 -4:15PM Venue : Care Studio	**Dr.Kumar Rajamani, Associate Professor, Cropin Technologies, Bangalore** **Title : Geospatial AI for monitoring food security and Climate Resilient Agriculture**
	Session 1(Offline)
	Session Chair 1: Dr.Kumar Goutam, Founder and President, Quantum Research and Centre of Excellence, India (7042831138) **Session Chair 2: Dr.Deepa Jose, KCG College of Technology, Chennai, India(9840929084)** **Session Chair 3: Dr.Princy Randhawa , Manipal University, Jaipur, India (9521099223)** **Faculty coordinator: Dr.N.Saranya, , 88708 00500**
CMT_ID	**Title and Name of the Paper Presenter**
16	Title:Edge-Based Video Recognition: Advancing Deep Learning for Efficient Visual Analysis Presenter Name: Sai Babu Veesam
314	Title: Fake Profile Detection in Social media: Incremental Greedy Ensemble Approach Presenter Name:Dr. Monika Mangla
297	Title:Multi Objective Enhanced Task Scheduling Algorithm for SLA Violation Miti-gation in Cloud Computing Using Deep Reinforcement Le Presenter Name: Mallu Shiva Rama Krishna
9991	Title:Revolutionizing cervical cancer detection: A Symphony of unexplored alliances Presenter Name: Nidhi Agarwal
999	Title: Employing Blockchain for tamperproof Organ Donation Model in Post Supply Chain Presenter Name: Dr. Nonita Sharma
50	Title: Design of an Efficient Model for Fake Profile Detection on Social Media Using Advanced Feature Engineering and Deep Learning Techniques Presenter Name: Bhrugumalla LVS Aditya
20	Title:MITM Attack Detection through PCA-based Feature Extraction and Machine Learning Classifiers Presenter Name: Suneeta Satapathy
286	Title: Custom Deep Learning Models for Accurate Classification of Grapevine Diseases Presenter: Nagaraju
	GALA DINNER @ Hari Bhavan, COIMBATORE

All parallel session starts from 10: 00 AM to 1:00PM

Lunch Break 1:00PM-2:00PM

Session 2(Online)

Session Chair 1: Dr. Revanth Kumar, Malla Reddy University, Hyderabad,India, (9848354299)
Session Chair 2: Dr. Shiva Shankar Reddy, Sagi Ramakrishnam Raju Engineering College, Andhra Pradesh, India (9985230319)
Faculty coordinator: Dr.M.Saravanan, Associate Professor, AI&DS , KPRIET

CMT_ID	Title and Name of the Paper Presenter
240	Title: Enhancing Fruit Farming Efficiency through IoT-Driven Soil Moisture Analysis and Classifier Ensemble Presenter name: Satyaprakash Swain
319	Title: Attack Detection in Smart Home IoT Networks using Machine Learning Presenter name: Amit Lathigara
336	Title: Optimized Ensemble Learning for Early Diagnosis of Coronary Artery Disease Presenter Name: Miriyala Geetha Pratyusha
301	Title: Early-Stage Prediction of Breast Cancer by Applying Deep Learning Techniques on Breast Medical Images Presenter name: NIBEDITA SAHOO
182	Title: Optimized Traffic Forecasting Models for Urban Mobility: A Comparative Analysis of Hybrid and Custom Approaches Presenter Name: Shweta Singh Rajput
115	Title: In-Depth Survey: Leveraging Deep Learning and Image Analysis for Lung Disease Diagnosis Presenter name: Yellepeddi samba siva krishna Assish
225	Title: Network Optimization for Efficient Data Transmission in Decentralized IoT Networks Using Iterative Hybrid Grey Wolf Coot Optimizat Dynamic Physically Unclonable Functions (IH-GWC-DPUF) Presenter name: K Varalakshmi
358	Title: Enhancing Wild Animal Detection in Challenging Weather: A Novel DCNN-BiLSTM Approach for Foggy Conditions Presenter name :johnwesily chappidi
181	Title: Alzheimer's Disease Detection using Hybrid Artificial Intelligence Based Model Presenter name: Tulip Das
229	Title: SAHAANN: A Novel Evolutionary Artificial Neural Net-work for Improved Financial Time Series Forecasting Presenter name: Sudersan Behera
183	Title : A fusion model for stock market prediction using prophet and long short-term memory Neural networks Presenter Name: Parangat Singh
255	Title : Review on An Intelligent system for quality evaluation of dry fruits using hyperspectral imaging. Presenter Name: Shweta Bhelonde

Session 3(Online)

Session Chair 1: Dr.Satyasundar Mohapatro, PSIT, Kanpur, India (9437229391)
Session Chair 2: Dr.Priya Gupta, JNU, India(9582807138)

CMT_ID	Title and Name of the Paper Presenter
356	Title: Applying Deep Convolutional Artificial Neural Network for the Automatic Identification of Uterine Fibroids in Ultrasound Pictures Presenter name: Arpeeta Mohanty
347	Title: Computational Machine Learning Approach for Brain Impairment Presenter name : R.Kishore Kanna
350	Title: A Novel EEG-BCI Based Robotic Arm Control for Persons with Disabilities (PWD's) Presenter name: R.Kishore Kanna
349	Title: NOVEL APPROACH FOR BIOSENSOR INTERFACED CARDIAC DETECTOR USING IOT APPLICATION Presenter name: Kishore Kanna R
132	Title: Towards Seed Selection and Yield Assessment for Agricultural Productivity in India Presenter name:S DURAI
371	Title: Influence of Systemic Health Factors and Genetic Variants on Age-Related Macular Degeneration Risk: A Comprehensive Systematic Review Presenter name: Swaroop Sana
298	Title: A Modified YOLO-based Approach for Weed-Crop Classification and Detection in Sesame Fields Presenter name: Sandip Sonawane
56	Title: A Fusion of Deep CNN And Bi-LSTM For Identification and Classification of Pepper Leaf Diseases. Presenter name: Shaik Salma Asiya Begum
277	Title: Master Slave Unit for Vehicle to Everything Communication with Group Key Management for Traffic Congestion Reduction Presenter name : Spandana Mande
353	Title: Brain tumor Classification Using Deep Learning Techniques Presenter name: Dr. Jyotismita Talukdar
8	Title : Energy-Efficient Smart Grids: Wireless Sensor Networks and Fuzzy C-Means for Optimal Energy Management and Sleep Scheduling Presenter name: RAVADA SIMHACHALAM

Session 4(Online)

Session Chair 1: Dr.Shweta Sankhwar, Maitreyi College, University of Delhi (9616566276)
Session Chair 2: Dr.Gouse Baig Mohammad, Vardhaman College of Engineering, Hyderabad, India (9959593404)
Faculty coordinator: Ms. S. P. Kavya, Assistant Professor (Sr. G.), AI&DS

CMT_ID	Title and Name of the Paper Presenter
236	Title: Synapsys – A tool for effective Video Summarization Presenter name: B.V.Chandrahaas
355	Title: Hybrid deep CNN and ML-based optimized Diabetic retinopathy staging medical system with feature engineering Presenter name: Raghav Agarwal
241	Title: Adoption of IoT And Big Data In Shaping And Enhancing Organizational Citizenship Behavior Presenter name: Pooja Kanojia

CMT_ID	Title and Name of the Paper Presenter
351	Title: Design of an Iterative Model Integrating Temporal Convolutional Networks and Transfer Learning for Hydrological Analysis Presenter name: Venkata Lakshmi Munganda
243	Title: Using JIFF for Collaborative Medical Data Analysis with Secure Multiparty Computation Presenter name: Usha Divakarla
303	Title: SDEC: Stacked Deep Ensemble Classifier for Facial Expression Recognition Presenter name:Venkata Rami Reddy Chirra
230	Title: Hybrid firefly and Particle Swarm Optimization algorithm for Design of Non linear Channel Equalizer Presenter name: Dr.Pradyumna Kumar Mohapatra
372	Title: Bitcoin Price Prediction and Trading Strategies Using Deep Learning Techniques Presenter name: Nrusingha Tripathy
63	Title: Design of an efficient QoS aware trust-based security model with bioinspired sidechains for healthcare deployments Presenter name: Smruti P. Patil
254	Title: ChatCare-Enhancing mental health support using NLP Presenter Name: Dr Anila M
768	Title: A Performance Analysis of Suggestion Mining in Mobile App Reviews using Large Language Models Transfer Learning Techniques Presenter: Mali Makarand Lotan

Session Chair 1: Dr.Tanupriya Choudhury, Graphic Era Hill University, Dehradun, India (9910803601)
Session Chair 2: Dr.Pramod Kumar, CMR college of Engineering , Hyderabad , India (9000159660)
Faculty coordinator: Ms. S. P. Kavya, Assistant Professor (Sr. G.), AI&DS

CMT_ID	Title and Name of the Paper Presenter
253	Title: Development of Portable Multi-Functional Tele-Healthcare System Presenter name: Rekha S. Dange (Vairagade)
332	Title: DGCA3QM: Design of a Dual Genetic Algorithm based Autoregression model for Correlative prediction of Air Quality Metrics Presenter name: Harna M. Bodele
290	Title: An Empirical Analysis of Machine Learning Models Used for Dental Image Processing from a Statistical Perspective Presenter name :Mohit K Popat
311	Title: Identifying DDoS Threats in Digital Forensics Using Transfer Learning Techniques Presenter name : Saswati Chatterjee
131	Title: Next-Gen Urban Mobility Management: A Framework for Intelligent Traffic Control Presenter name: T.Sujithra
288	Title: Enhancing Combustion Efficiency and Emission Reduction in Thermal Power Plants Using Streaming Data Analytics and Reinforcemen Presenter name: Sri Ramya Siraparapu
342	Title: Innovative Deep Learning Models for Breast Cancer Detection: YOLOv5 and YOLOv8 Presenter name: Nibedita Sahoo
311	Title: Identifying DDoS Threats in Digital Forensics Using Transfer Learning Techniques Presenter name: Saswati Chatterjee

CMT_ID	Paper title and Name of the Paper Presenter
302	Title: Neethling Virus Detection in Cows and Buffalos using CNN-based Techniques Presenter name: Naveen Sai Tamanampudi
373	Title : Heart Disease Prediction using Machine Learning Techniques Presenter name : S. Aarif Ahamed

Session Chair 1: Dr. **Monika Mangla, Dwaradas J Sanghvi College of Engineering Mumbai, India**
Session Chair 2: Prof. Nidhi Agarwal, Galgotias University, Greater Noida, UP, India (9810552448)
Faculty coordinator: Ms Punidha A, Assistant Professor (Sr. G.), AI&DS

CMT_ID	Paper title and Name of the Paper Presenter
249	Title: Quantifying Cognitive Wellness: An In-Depth Analysis of Brain Health Metrics Across Disease Spectrum Presenter name:Naga Jyothi
354	Title: Deep Learning Approaches for Distinguishing Monkey Pox from Similar Skin Lesions: A Study on the Monkey Pox Image Dataset Presenter name:Hritwik Ghosh
357	Title: Applications of DL for Retinal Image Analysis: A Focus on Diabetic Retinopathy Presenter name:Hritwik Ghosh
343	Title: HDFS: The Backbone of Big Data - A Review of High Availability, Scalability, and Performance Using Quorum Journal Manager and D Federated Metadata Management Presenter name:Santos S
193	Title: Cluster Head Selection for Energy Efficiency in Wireless Sensor Networks: A Grasshopper Optimization Approach Presenter name:Dr.Saroja Kumar Rout
304	Title: Deep Learning Based Umpire Decisions in Live Cricket Match Presenter name:Phani Kumar Turlapati, Aditya Guntupalli, Karthika Thota, Kowshik Eswara ChaitanyaÂ Venigalla
242	Title: Advanced Deep Learning Method for Improved Prostate Cancer Detection Presenter name:Bijaya Kumar Sethi
227	Title: Exploring The Efficiency of Metaheuristics in Optimal Hyperparameter Tuning for Ensemble Models on Varied Data Modalities Presenter name:Vivek BC
365	Title: Independent Navigation System for Visually Impaired people using Deep Learning Technique Presenter name:R.Sriramkumar
231	Title: EchoNotes: Real-Time Lecture Transcription Presenter name:Soyam Prabha Mallick
300	Title: Multi-class:Spectral-Spatial Temporal Pyramid Network and Multi-class Classifier based Cardiovascular disease classification Presenter Name : SK reehana

Session Chair 1: Dr.Sirisha Potluri, KL University, Hyderabad, India (9963349962)
Session Chair 2:Dr.Suneeta Satapathy, SOA University, Bhubaneswar, Odisha , India(7008616162)
Faculty coordinator: Ms Punidha A, Assistant Professor (Sr. G.), AI&DS

CMT_ID	Title and Name of the Paper Presenter

CMT_ID	Title and Name of the Paper Presenter
333	Title: Generative AI in IoT: Transforming Cloud Services with Intelligent Automation Presenter name:Dr. Ashwin Raiyani
259	Title: Design of an efficient model for pediatric myelodysplastic syndrome detection using deep learning Presenter name:K. Srilakshmi
102	Title: Paddy Crop Disease Detection Using Various Machine Learning and Deep Learning Algorithms Presenter name:Dr. Kiran Sree Pokkuluri
248	Title: Evolution of Compilers: Tracing the History from Early Autoprogramming Systems to Modern Optimizations Presenter name:Sai vamsi
5	Title: Prediction of Diabetic Retinopathy Using Machine Learning Presenter name:Vrishikaa Krishna Moorthy
153	Title: Rising Concerns: Cybercrime And Financial Fraud in The Indian Context Presenter name:Arushi Sharma
188	Title: Assessing the Optimal Deep Learning Model for Predicting Financial Insolvency Presenter name:Bikash Chandra Naik
364	Title: Predicting Carbon Dioxide Emissions from Green Waste Composting and Identifying Key Factors Using Machine Learning Algorithms Presenter name:Vaishali Mehta
768	Title: A Fusion Model for Stock Market Prediction Using Prophet and Long Short-Term Memory Neural Networks Presenter name : N Manjunathan
261	Title: Ensemble Machine Learning Algorithms for Precision Breast Cancer Diagnosis: A Multi-Criteria Evaluation Approach Presenter Name: Srinivasa Rao Pallapu

Session 8(Online)

Session Chair 1: Dr.Nihar Ranjan Pradhan, VIT AP University, AP, India(9438694203)
Session Chair 2: Dr.Deepak Gupta, MNNIT, Allahabad, India(9999778726)
Faculty coordinator: Ms.B.Ilakkiya, Assistant Professor, AI&DS

CMT_ID	Title and Name of the Paper Presenter
317	Title: A Water-Quality Assessment and Prediction Model using Machine Learning Classifiers Presenter name: Vaishali Mehta
158	Title: Exploring Consumer Awareness within Electronic Payment Systems Presenter name:Akhand Tiwari
341	Title: Optimized Gold Price Prediction Using Particle Swarm Optimization-Enhanced LSTM Networks Presenter name:Alladi Vennela
289	Title: Convolutional Neural Networks for Automated Pneumonia Diagnosis from Chest X-rays Presenter name:Md. Mintajur Rahman Emon
336	Title: Optimized Ensemble Learning for Early Diagnosis of Coronary Artery Disease Presenter name:MIRIYALA GEETHA PRATYUSHA
327	Title: Real Time Indian Sign Language Recognition Using Deep Learning Techniques Presenter name: KAMATHAM PRANAV KUMAR

321	Title: Machine Learning and Deep Learning with Transfer Learning for Cardiovascular Disease Detection: A Comprehensive Systematic Revie Presenter name: GORAPALLI SRINIVASARAO
316	Title : Enhancing potato crop health: A CNN based system for early detection of early and late Blight. Presenter: Tanuja Shailesh
239	Title: Driven A Custom CNN Technique for Brain Tumor detection in MRI images. Presenter: Yenumala Sankararao
999	Title: Multi document summarization using recursive transformer Networks and multimodal Presenter : K Sunil Kumar

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Session 9(Online)

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Session Chair 1: Dr.Radha Mohan Pattnaik, VIT-AP University, India(9861888744)
Session Chair 2 : Dr.Y Mohamed Sirajudeen, VIT-AP University, India(7200805880)
Session Chair 3: Dr. Nonita Sharma, IGDTUW, New Delhi, India
Student Volunteer: Ms.B.Ilakkiya, Assistant Professor, AI&DS

CMT_ID	Title and Name of the Paper Presenter
311	Title: Identifying DDoS Threats in Digital Forensics Using Transfer Learning Techniques Presenter name : Saswati Chatterjee
214	Title: Combining Classifier Ensembles for Efficient Big Data Analytics in Edge- Cloud Environments Presenter name: Dr.Sirisha Potluri
345	Title: Predictive Modeling of Mental Health Disorders in Child and Adolescent Populations using Machine Learning Presenter name: Dr. Sheetal Pandya
330	Title: Association Rule Mining Technique to Discover Association among Attributes Causing Acute Cystitis and Acute Pyelonephritis Presenter name: Dr. Shwetha Rai
325	Title: Intelligent Systems in Reducing Carbon Emissions: Artificial Intelligence and IoT Presenter name: Monu Bhardwaj
285	Title: A Step towards better Facial Emotion Recognition Models Presenter name: Archana Praveen Kumar
173	Title: Fuzzification for Precision Farming with Minimal Human Intervention Presenter name:Ramit Yadav
366	Title: Comprehensive Review of Security Challenges and issues in Wireless Sensor Networks Integrated with IoT Presenter Name: Lopamudra Prusty
166	Title : Forecasting Demand in Retail Supply Chain Management: A Comparison of Deep Learning and Machine Learning Methodologies Presenter: Sruti Nayak
252	Title: Brain tumour detection based on Deep Learning and performance analysis with multiple optimisers Presenter Name: B Suraj Aravind

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Keynote Speaker #4   Time :2:00PM

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Thanam Hall	**Professor Álvaro Rocha** **Portucalense University, Portugal** **Title: A Health Data Analytics Maturity Model for Hospital Information Systems**

Valedictory Programme Schedule
4ᵗʰ International Conference on Intelligent Systems & Machine Learning (ICISML-2024)
Organised by : Organised by : Department of AI &DS, KPR Institute of Engineering and Technology, Coimbatore, India
Day-2, Saturday, 24ᵗʰ August 2024

Time (PM)	Event
4:10	Welcoming Guests to the Dias
4:15	Welcome address by Dr.S.V. Sudha, Professor and HoD, AI &DS, KPRIET and Conference summary by Dr.Sachi Nandan Mohanty, General Chair, ICISML-2024
4:25	Announcement of Best Paper Award by Dr.Sachi Nandan Mohanty, General Chair, ICISML-2024
4:30	Feedback by delegates
4:35	Volunteer Appreciation
4:45	Vote of Thanks by Dr. M.Saravanan, Dept of AI&DS, KPRIET, India
4:50	National Anthem
4:55	Group Photo
5.00	Hi -Tea