

Anna University- Chennai
Department of Computer Technology, MIT Campus
12th IEEE International Conference on Advanced Computing -ICoAC 2023
Programme Schedule Revised
18-19th August 2023

Time	Friday, 18 th August2023		
09.00am-09.30am	Inauguration-ICoAC2023		
Session 1 Rajam Hall MIT Campus 09.45am-10.30am	Keynote Address Prof. Vijayan Sugumaran Department of Decision and Information Sciences, Oakland University, Rochester, Michigan, USA		
10.30am-10.45am	Tea Break		
Session 2A (Physical mode) Conference Hall CB Block 18/08/2023 10.45am-12.15pm	Oral Paper Presentations on Intelligent Computing/Network Science Session Chairs: Dr. R. Gunasekaran & Dr. S. Neelavathy Pari Session Coordinator: Ms. M Jenila Vincent & Mr. E Selvam		
	S.No.	ID	TITLE
	1	305	Classification of Natural Disasters Using Decision Tree Techniques <i>Senthilnayaki B, Sarawathi N, Sathiyavathi V, M. Shanmuga Priya and L SaiRamesh</i>
	2	90	ComPuDTIK: Computational Prediction of Drug-Target Interactions in Kinases <i>Uma E, Yashwanth A, Pravinbabu B, Surendhar P and Mala T</i>
	3	271	Resource Management in Serverless Computing - Review, Research Challenges, and Prospects <i>Kannan Govindarajan and André De Tienne</i>
	4	294	Detection of pulmonary disorders with CNN model using knowledge distillation technique <i>Keerthana R, Jayaprakash S, Guru Raman C and Monisha Raghu</i>
	5	266	Data Cataloging based SINDy Approach for weather forecasting. <i>J, JohnMathuram,Regis X,Padiyarajan V</i>
	6	197	AI-based Network Flooding Attack Detection in SDN using Multiple Learning Models and Controller <i>Neelavathy Pari S, Ritika E C, Ragul B and Bharath M</i>
	7	246	Computer Vision Based Shopping Assistant <i>Jayashree P, Siddarth M, Jerfin Nishanth and Rishikesh D</i>
Session 2B (Online) Meeting Hall CB Block 18/08/2023 10.45am-12.15pm	Oral Paper Presentations on Social Computing/Intelligent Computing Session Chairs: Dr. P. Kola Sujatha & Dr. M. Nava barathy (Online) Session Coordinator: Ms. Anusha Jayasimhan		
	S.No.	ID	TITLE
	1	43	Predicting Thyroid Dysfunction Using Machine Learning Techniques <i>Thirumala Akash K, Mohammed Usman F, Nitesh Kumar T, Mohammed Riyaz Ahmed and RaveendraGudodagi</i>
	2	67	A Hybrid Approach to Support the Detection of Autism Spectrum Disorder (ASD) through Machine Learning and Deep Learning Techniques <i>Meghna Manoj and Praveen Joe</i>
	3	188	An Effective Automated Framework for Oral Cancer Detection by Enhanced Convolutional Neural Networks <i>santhiya M, Sindhuja M, Jegatha R and Manikandan Jothi</i>
	4	82	PRISM: Predicting Student Performance using Integrated Similarity Modeling with Graph Convolutional Networks <i>Raja lakshmiPillaiyar, Geetha A V, Priyanka D and Mala T</i>
	5	104	Building of Computationally Effective Deep Learning Models using Attention-Guided Knowledge Distillation <i>Ashwath V A, Anish Sai Ayyagari, Deebakkarthi C R and Arumuga Arun R</i>
	6	153	Non-Invasive Parameter-Based Machine Learning Models for Accurate Diagnosis of Congenital Heart Disease <i>Rishika Anand, S.R.N. Reddy and Dinesh Kr. Yadav</i>
	7	176	Detection of epileptic seizure using hybrid machine learning algorithms <i>P Velvizhy, Ria Bas Len, Rajeshwari N and Kanimozhi K</i>
8	74	Ontology as an Open World Assumptions and Its Futuristic View <i>Sujata Pardeshi, Suresh Kumar Billakurthi and SushoptiGawade</i>	
12.15 pm–1.00 pm	LUNCHBREAK		

Conference Hall CB Block 1.00pm–1.45pm	<p style="text-align: center;">Keynote Address Mr. L. R. Prakash Senior Director, CDAC, Chennai</p>		
Session 3A (Physical mode) Conference Hall CB Block 18/08/2023 1.45pm–3.15pm	<p>Oral Paper Presentations on Intelligent Computing Session Chairs: Dr. M. Sumalatha & Dr. S. Chithra Session Coordinator: Ms. R Keerthana & Ms. Mubeena begum</p>		
	S.No.	ID	TITLE
	1	99	Detection of Breast Cancer using Curvelet Transform and Adaptive Particle Swarm Optimization Technique <i>Meena L C, Joeprathap P M and Sankara Narayanan S</i>
	2	241	A Tuned Random Forest Model for Selecting Significant Genes <i>Valliyammai Chinnaiah, Arthi T, Sreeshreya M and Porsiya R</i>
	3	259	Multiclass Classification and Defect Detection of Surfaces using Modified-YOLO <i>Deepti Raj G and Dr Prabadevi B</i>
	4	53	Sports video data classification using Yolov5 model. <i>Rathish Manivannan and Amsaprabhaa M</i>
	5	318	Comparing EMG Signal Classification with Raw and Time Domain Feature Extracted Data <i>Vaishaalee Trishaa B and Sathiesh Kumar V</i>
	6	319	Reconstruction of Temporal Envelope using 1D FLCNN LSTM Speech Enhancement model <i>M R Anitha, B Vijayalakshmi and N S Bhuvanawari</i>
	7	34	An Intelligent prediction of Customer Churn in Telecom Industry using Business Analytics Classification Models <i>Shradhdha Gohil, ManasAmeria and Vergin M</i>
Session 3B (Online) Meeting Hall CB Block 18/08/2023 1.45pm–3.15pm	<p>Oral Paper Presentations on High Performance Computing Session Chairs: Dr. E. Sivasankar (Online) & Dr. P. Varalakshmi Session Coordinator: Mr. R. Praveen</p>		
	S.No.	ID	TITLE
	1	198	Gait Based Human Activity Recognition using Hybrid Neural Networks <i>Rukesh Asokan, Viswanath Pathmanaban, ShenbagaShudhan VRR and AbiramiMurugappan</i>
	2	258	Classification of Agricultural Fruit Imagery using CHAR <i>Keerthana R, Thilaksurya B and Krishna Padmanabhan</i>
	3	206	Breast Cancer Detection Framework Using Evolutionary Search and SVM Classifier <i>Pruthvi Patel, Tina Babu and Rekha Nair</i>
	4	217	Unveiling Emotions through Handwriting: A Data Analysis Approach <i>Muskan Azmi, Shaik Lubna Fathima, and Mohammed Wasid</i>
	5	222	Evaluation of Wavelet Transformed features on detection of Epileptic Seizures using 2D Scalogram Images of EEG Signals <i>S Ranya, M Uma</i>
	6	235	Effective Identification and Diagnosis of Malaria Parasite in Blood Cell Images Through Deep Learning Approach <i>PramitBrata Chanda, Sarthak Chatterjee, Ritoja Sen, Sunidhi chandra ,Abhinaba Das, Subir Kumar Sarkar</i>
	7	292	Time Series Analysis of Urban Expansion Using Land-Use and Land-Cover Change Detection of LANDSAT Imagery for Pune District of Maharashtra <i>Anjali AJagtap;D. K. Shedje;Varsha Degaonkar;Rajesh Chowdhary V</i>
3.15pm-3.30pm	<p style="text-align: center;">TEABREAK</p>		

Session 4A (Physical mode) Conference Hall CB Block 18/08/2023 3.30pm–5.00pm	Oral Paper Presentations on Social Computing/Smart Computing Session Chairs: Dr. S. Uma Maheswari & Dr. R. Kathirol Session Coordinator: Ms. M. Jenila Vincent & Ms. R. Roshina Sarah		
	S.No.	ID	TITLE
	1	199	RESD: Realtime Spam Detection for Social Media Textual Conversation <i>Valliyammai Chinnaiyah, Gagan B, Manikandan Dhayanithi, Bhavani Venkata Karthik K and Saktheeswaran K</i>
	2	62	An Visual Question Answering System using Cross-Attention Network <i>Dhana Lakshmi R and Abirami Murugappan</i>
	3	94	Diffusion MRI preprocessing for Deep Learning Analysis of Brain Structural Connectivity <i>Udayakumar P and Subhashini R</i>
	4	215	Performance Evaluation of a Multi-Class Classification Model for Marine Objects <i>Geomol George, Anusuya S</i>
	5	270	Exploratory Data Analysis of WhatsApp group chat <i>Srishti Gulecha R, Muthu Reshmi K and Dr. Abirami S</i>
	6	277	An Efficient Workflow Scheduling Approach for Enhancing the Performance in Cloud Environment <i>George Mirobi, V Suresh and M Kala Devi</i>
7	324	Convolutional Neural Network and Capsule Network Fusion for Effective Attrition Classification <i>R Praveen, P Pabitha, V Sakthi, S Madhavi and R Vijay Sai</i>	
Session 4B (Online) Meeting Hall CB Block 18/08/2023 3.30pm–5.00pm	Oral Paper Presentations on Smart Computing Session Chairs: Dr. V. Shanmuganeethi (Online) & Dr. B. Lydia Elizabeth Session Coordinator: Ms. K. Blessing Christiana		
	S.No.	ID	TITLE
	1	172	An Effective Approach for Reducing Time and Memory Requirements for Sign Language Detection <i>Pravin Sabari Bala S S, Sriram R and Arumuga Arun R</i>
	2	173	Pixels to Phrases: Bridging the Gap with Computationally Effective Deep Learning models in Image Captioning <i>Serath Chandra K, RoshiniPoda, Ardra Vinod and Arumuga Arun R</i>
	3	306	End-To-End Autonomous Vehicle Navigation Using Imitation Learning <i>Vijayalakshmi M, Suvitha D and Sivaguru P</i>
	4	307	Moving Vehicle Speed and Distance Estimation in Autonomous Vehicles <i>Vijayalakshmi M, Suvitha D and Gowtham Krishna</i>
	5	308	CNN based Deep Learning for Pneumonia Detection <i>SK Mydhili, Amrin Z, Venkatesh C and Jaya Dharani M</i>
	6	313	GPS-based Arrival Time Prediction for Bus Schedules: Enhancing Commuter Experience <i>Shanthi N, Suganthe R C, Manimaran V, ManojKumar P, Kavinhbarathi A and Mythili E</i>
	7	321	Enhanced classification of epileptogenic and non-epileptogenic EEG signals using ANN-FDM <i>Manjunath V Gudur, Parthasarathy P, Shreeshayana R and Pradeep Kumar M</i>
8	322	Talking Fingers – A Cost Effective Hand Gesture to Speech Device for Mute <i>Viji K, Athar Ahmed, Chitra K, GajjalaKousitha, Nageswara Rao, BathineniKowshik</i>	
9	1	A Comparative Study for breast cancer prediction methods using Deep learning Technique <i>Punithavathi K and Yamuna G</i>	

Time	Saturday, 19 th August 2023		
09.00am-09.45am	Keynote Address Prof. C. Chandra Sekhar Department of Computer Science and Engineering, IIT Madras, India		
Session 5A (Physical mode) Conference Hall CB Block 19/08/2023 09.45am-11.15am	Oral Paper Presentations on Social Computing/Intelligent Computing Session Chairs: Dr. B. Thanasekar & Dr. S. Muthuraj Kumar Session Coordinator: Ms. R. Keerthana & Mr. E. Selvam		
	S.No.	ID	TITLE
	1	201	SLatAR - A Sign Language Translating Augmented Reality Application <i>Neelavathy Pari S, Magarika M, Jiavudin Sharafath Ahamed M and Latchiyanthan Kalyanasundaram</i>
	2	66	Community Detection in Diverse Networks to Locate Influential Spreaders based on K-core and Random Walk Algorithms <i>Rajeswari S and Bhavana S U</i>
	3	95	Student Stress Buster: Mobile App Testing and Solutions for Anxiety and Depression <i>Rakshitha V S, Mahadevi M and Durgadevi S</i>
	4	105	A general model for an instructional video-based personalized programming learning environment and its practical implications <i>Sanal Kumar T S and R. Thandeeswaran</i>
	5	114	An Improved Honey Badger Algorithm to Solve Dynamic Economic Dispatch Problems with Valve-Point Loading Effect <i>Arul Rajagopalan, Savitha Arul and Mohamed Abdul Azharuddin A</i>
	6	174	Carbon Footprint Monitoring System Using Machine Learning and Deep Learning Techniques <i>Priya N, Srinidhi K and Kousalya T</i>
7	208	IoT Based Automated Irrigation System for Agricultural Activities <i>Dhinakaran D, M. Keerthana, M. Ananthi, R. Harish, S. M. Udhaya Sankar, M. Sai Sree</i>	
Session 5B (Online) Meeting Hall CB Block 19/08/2023 9.45am-11.15am	Oral Paper Presentations on High Performance Computing/Intelligent Computing Session Chairs: Dr. Usha Devi (Online) & Dr. T. Sudhakar Session Coordinator: Ms. S. Karthika		
	S.No.	ID	TITLE
	1	20	Horticultural Image Clustering with Multispectral Optimization and Gaussian Lion Vector Quantization <i>Divya A and sungeetha D</i>
	2	71	Fake News Detection for Portuguese Language <i>Lucia Tembe and Anand Kumar M</i>
	3	144	A Machine Learning-based Agricultural Yield Forecasting System for Predicting Crop/Plant Yield before Planting the Crops/Plants <i>Arumuga Arun R, Saraswathi T, Meeha D and Sugeerthi G</i>
	4	155	Design of Voice Automated Floor Cleaning Robot <i>Roopa S, Manju H B, Mohammed Shadab, Nikhil J and Nithin N S</i>
	5	161	A Miniaturized Wideband Floret - Monopole Antenna for C band Applications <i>Ramya Vasudevan, Nagaraju V</i>
	6	167	Yolov7-based Brake Light Detection Model for Avoiding Rear-End Collisions <i>Manoj Kushwaha and abirami M.S.</i>
7	171	Parameter Investigation Study on Task Scheduling in Cloud Computing <i>Santhosh Kumar Medishetti and Ganesh Reddy Karri</i>	
8	243	Smart classroom for better pedagogical process and effective energy utilization <i>Jayashree P, Hemanth N, Yogeeshwar S, Sai Soundharya Lakshmi and Vimal Raaj M</i>	
11.15am-11.30am	TEABREAK		

Session 6A (Physical mode) Conference Hall CB Block 19/08/2023 11.30am–1.00pm	Oral Paper Presentations on Intelligent Computing/Cyber Security Session Chairs: Dr. Ponsy R. K. Sathia bama & Dr. G. Rajesh Session Coordinator: Ms. M. Jenila Vincent & Mr. R. Praveen		
	S.No.	ID	TITLE
	1	32	SwinCNN: A Hybrid Deep Learning Architecture for Accurate Cotton Disease Prediction <i>Muthurajkumar S and Kajeeth Kumar G</i>
	2	57	LBA-PAKE: Lattice-Based Anonymous Password Based Authentication Key Exchange Scheme for VANET <i>Jagatheswari S and Arman Ahmad</i>
	3	60	A Survey on Various Kinds of Image Segmentation of Cancer Images Using Fuzzy Image Processing Methods <i>Jagatheswari S and Manivasagan M</i>
	4	81	Performance Analysis of Multi-Level Error Corrected Hierarchical Modulation in Multiple Antenna Systems <i>Abhishek R, Ananth Ram R, Ann Caroline Jenifer R and Madhumitha Jayaram</i>
	5	192	Geometric Structure Based Feature Transformation for Network Anomaly Detection System <i>Aneetha, A.S.</i>
	6	207	Protected Data Sharing using Attribute Based Encryption for Remote Data Checking in Cloud Environment <i>Ram Prasath, Kalpana A V, Nadana Ravisankar, Anand M and Shobana J</i>
7	309	Design and Simulation of Microstrip Patch Antenna for Early Breast Cancer Detection <i>SK Mydhili, Dhevaki V, Jeevika K, Kalaiyarasi N and SethuHarshini V</i>	
Session 6B (Online) Meeting Hall CB Block 19/08/2023 11.30am–1.00pm	Oral Paper Presentations on Cyber Security/Smart Computing Session Chairs: Dr. C. Valliammai, Dr. Chandra Mouli (Online) & Dr. Y. Nancy Jane Session Coordinator: Ms. V. Stella mary		
	S.No.	ID	TITLE
	1	36	Network Security Threat Detection: Leveraging Machine Learning Algorithms for Effective Prediction <i>Nitesh Kumar T, Thirumala Akash K, Mohammed Usman F and Mohammed Riyaz Ahmed</i>
	2	138	Revolutionizing the Dealer Experience with an Intuitive Web Interface for SAP Vehicle Management System (VMS) <i>S. Brindha, T. P. Kamatchi, V.S.Jayani and S.Sushmitha</i>
	3	280	A Hybrid Eagle's Web Swarm Optimization (EWSO) technique for effective cloud resource management <i>Jagadish kumar N, Balasubramanian C, Naresh kumar A, G.Praveenkumar, S.JindhiyaSree</i>
	4	281	CubeSat attitude control by implementation of PID controller using python. <i>Madhana Mohan Kannan, Anitha U and Anbumani K</i>
	5	283	Intelligent Nutrition Assistant Application <i>S RahmathNisha, Aarathi M, V Shyamala, M Pavithra, K Vallipriyadharshini, B Samgiftson Raj</i>
	6	320	A Deep Learning Based Cross Model Text to Image Generation using DC-GAN <i>Gayathiri Kasi, Abirami S and Dhana Lakshmi R</i>
7	33	ERC721M: A Web3 Token Standard for REIT Companies <i>Suganthi K, Krishmansh Singh, Sajal Tayal and Mandeep Singh</i>	
1.00 pm – 2.00 pm	LUNCH BREAK		

Session 7A (Physical mode) Conference Hall CB Block 19/08/2023 2.00pm–3.30pm	Oral Paper Presentations on High Performance Computing/Smart Computing Session Chairs: Dr. V. P. Jayachitra & Dr. K. Kottilingam Session Coordinator: Ms. R. Keerthana & Mr. G. Kajeeth Kumar		
	S.No.	ID	TITLE
	1	286	Intelligent Shiny Dashboard for District-wise Crop Suggestion in Tamil Nadu <i>Dr. Nancy Jane Y., Praveen P, Kavya Swetha J and Shanthosh Kumar E</i>
	2	45	Cover selection for image steganography determined by distinct characteristics. <i>Rupa Jamatia and Prof. B. Bhuyan</i>
	3	58	Image Enhancement of Cardiac MR motion Image for High-Quality Segmentation using combined Fuzzy Pooling Layer in Convolutional Neural Networks <i>Jagatheswari S and Tharun Balasubramaniam</i>
	4	59	A Review of Image Processing Methods and Segmentations for Brain Tumour Analysis <i>Jagatheswari S and Nirmaladevi S</i>
	5	85	Deep Fake Face Detection using Convolutional Neural Networks <i>Prakash P, SasithradeviAnablagan, Kasthuri P, AlbenRichards M J, and Diviya N</i>
	6	190	Uniform And Randomly Distributed Fuzzy Logic Based Clustering in Wireless Sensor Networks <i>Sree Nidhi S, Kishore Kumar, and Sridharan D</i>
7	21	A Comparative Study of Deep Learning Models for ECG Signal-based User Classification <i>Pabitha P, Praveen Ramalingam, Chandana Kamma Cheruvu Jayaraja, Ponlibarnaa S and AparnaA S</i>	
Session 7B (Online) Meeting Hall CB Block 19/08/2023 2.00pm–3.30pm	Oral Paper Presentations on Cyber Security/Network Science/Smart Computing Session Chairs: Dr. B. Surendiran (Online) & Dr. C. Gunavathi (Online) Session Coordinator: Mr. G. Kajeeth Kumar		
	S.No.	ID	TITLE
	1	61	A Survey: An Effective Utilization of Machine Learning Algorithms in IoT Based Intrusion Detection System <i>Maheswaran N, Bose S, Buvanewswari N, Logeswari Govindaraj and Anitha Thangasamy</i>
	2	72	Multi-Camera Multi-Person Tracking in Surveillance System <i>HEDDE, Omprasad V; M, Anand Kumar</i>
	3	92	A New High-Performance Feature Selection Method for Machine Learning-Based IoT Intrusion Detection <i>Maheswaran N, Bose S, Buvanewswari Natarajan, Logeswari Govindaraj and Anitha Thangasamy</i>
	4	106	Identifying illicit transactions in Bitcoin Tumbler services using Supervised Machine Learning Algorithms <i>Ezhilmathi S and Selvakumara Samy</i>
	5	134	An Information-Theoretically Secure Method to Encrypt One-Time Pads Utilizing Cellular Automata <i>Kumaresan G</i>
	6	160	A Case Study Using Top Companies to Examine the Nmap Tool's Applicability for Network Security Assessment <i>Asokan J, KaleelRahuman A, Suganthi B, Fairouz Shaik, Dr.Sundar Prakash Balaji Muthuswamy and VellaippanElamaran</i>
7	269	Transformer based Twitter Trending Topics Sentiment Drift Analysis in Real Time <i>Susi E and Shanthi A P</i>	
8	285	Crime Detection Using Multi-Layer Perceptron in Social Media Platforms <i>Sathya J and Mary Harin Fernandez F</i>	
19/08/2023 Conference Hall CB Block 3.40 pm – 4.30 pm	Keynote Address Shri. Ramesh Radhakrishnan, Scientist G, DDG, National Informatics Centre, Govt of India		
19/08/2023 Conference Hall CB Block 4:30pm – 5:00pm	Valedictory and closing ceremony		