

Program Schedule

14th December 2022 (Wednesday)

8 AM-10 AM	Delegate Arrival, Registration					
10 AM-11 :15 AM	Inaugural Event					
11:30 AM-12 :30 PM	Keynote - 1 : Healthcare Cyber-Physical Systems (H-CPS) – Cybersecurity Perspectives					
	Speaker: Prof. Saraju P Mohanty, University of North Texas, Denton, TX 76207, USA					
12:30 PM-1:30 0 PM	Session – 01 (AMD)			Session – 02 (DSC)		
	Session Chair: Rakesh C. Balabantaray, IIT Bhubaneswar			Session Chair: Debasmita Pradhan, SIT Bhubaneswar Tanmoy Maitra, KIIT Bhubaneswar		
	P.ID	Title	Author (P)	P.ID	Title	Author (P)
	246	Radial Basis Neural Networks for Class Discovery	Jasaswi prasad Mohanty	43	IMPACT OF ORGANISATIONAL COMMITMENT AND JOB SATISFACTION ON EMPLOYEE EFFICIENCY IN TRANSFORMATIONAL LEADERSHIP	Pradeep K Mallick
	52	Abnormal ECG Detection using Optimized Boosting Tree Classifier	Mihir N Mohanty	51	Symptoms Prediction of Tuberculosis using Soft Computing Technique	Radhanath Hota
	54	Optimization methods for soybean crop disease classification: A comparative study	Rajashree Krishna	56	Prediction of Unemployment using Machine Learning Approach	Arijit Chatterjee
	61	DETECTION OF LUNG CANCER USING CT-SCAN IMAGE - DEEP LEARNING APPROACH	Jashasmita Pal	128	Maize Plant Disease classification using optimized DenseNet121	Sabita Sahu
	62	Grocery Recommendation using Improved Apriori Algorithm	Munukuntla Phani Tarun	129	An improvised way to Automate logistic payment block process: A case study on R-Payment Block	Sanjib Kumar Mishra
1:30P M-3:00 PM	LUNCH					
3:00P M-5:30 PM	Session – 03 (AMD)			Session – 04 (DSC)		
	Session Chair: Swaroop Roy, Sikkim University Rabindra Kumar Barik, KIIT Bhubaneswar			Session Chair: HK Tripathy, KIIT Bhubaneswar		
	P.ID	Title	Author (P)	P.ID	Title	Author (P)
	103	Sleep Stress Level Classification through Machine Learning Algorithms	Abhyudaya Batabyal	148	An Automation Framework for Supply Chain Inventory Management using Predictive Business Analytics	Siddharth Rautray
65	Autoencoders learning sparse representation	Abhinav Sharma	178	Optimum Pair-Trading Strategies for Stocks Using Cointegration-Based Approach	Jaydip Sen	

70	Analysis on Speech-Emotion Recognition with Effective Feature Combination	Sujoy Datta	200	Performance evaluation of DP-QPSK modulation for underwater optical wireless communication using a green light propagation	Narayan Nayak
76	HybridSSCN: Analysis Of Hierarchical Feature Learning Architecture Using Blended Conv3D And DepthwiseConv2D For Hyperspectral Image Classification	LADI PRADEEP KUMAR	44	DDoS Attack Detection using Random Forest	Zeeshaan Dayam
79	An Adoptive Heart Disease Prediction Model using Machine Learning Approach	M Chaitanya Datta	45	Power Solutions for Wireless Sensor Network	PURUSHOTTAM GOVIND
85	VocabGCN-BERT: A Hybrid Model to Classify Disaster Related Tweets	Nayan Ranjan Paul	136	Device Discovery Approaches in D2D Communication: A Survey	Anusha Vaishnav
86	A Comparative Study Of Abstractiveness In Summarization Evaluation	Praveenkumar K	141	Device Fingerprinting in Wireless Networks using Deep Learning	Asish Kumar Dalai
92	Performance Analysis of Various Cancers Using Genetic Data with Variance Threshold	Anagha Dhumkekar	152	Improved Affinity Propagation Clustering for D2D Communication in 5G	Anusha Vaishnav
108	Effort Estimation of Software products by using UML Sequence models with Regression Analysis	Pulak Sahoo & Dayal Kumar Behera	190	Rabin Cryptosystem Based Biometric Privacy-Preserving User Authentication Scheme for IoT Devices over Cloud	Devishree Naidu
101	Missing Link Identification from Node Embeddings using Graph Auto Encoders and its Variants	Binon Teji	194	AI-based Block Identification and Classification in the Blockchain Integrated IoT	Joy Dutta
102	Alcohol Consumption Rate Prediction using Machine Learning Algorithms	Advait Singh	199	Edge Intelligence Based Mitigation of False Data Injection Attack In IoMT Framework	Sainath Reddy

15th December 2022 (Thursday)

8 AM-9:30 AM	Delegate Arrival, Registration					
9:30 AM-10:30 AM	Keynote Talk - 2: Wearable Technologies Based Smart Healthcare Solutions for Older Adults					
	Speaker: Prof. Himanshu Thapliyal, University of Tennessee, Knoxville, TN, USA					
10:30 AM-11:00 AM	Tea Break					
11:00 PM-1:30 PM	Session – 05 (A) (AMD)			Session – 06 (A) (NIS)		
	Session Chair: Prasanth Yanambaka, Texas Woman's University, USA			Session Chair: Denajjan Das, IIIT Naya Raipur		
	Alok Kumar Jagadev, KIIT Bhubaneswar			Pradeep Mallick, KIIT Bhubaneswar		
	P.ID	Title	Author (P)	P.ID	Title	Author (P)
100	Personalized User Interface System Design for Elderly on Smart Devices for Instant Messaging App	Dr Hamimah Ujir	209	A Study on Performance Comparison of algorithms for detecting the flooding DDoS Attack.	Praful Pardhi	
109	Text Classification Using Machine Learning Techniques: Comparative Analysis	Ankita Sinha	226	Systematic Survey on security issues in Cognitive Wireless Sensor Networks (CWSN)	Roshan Kumar Chatei	

113	eSeiz 2.0: An IoMT Framework for Accurate Low-Latency Seizure Detection using Pulse Exclusion Mechanism	Md Abu Sayeed	227	Coverage of Targets in Mobile Sensor Networks with Limited Mobility	Rajib K Das
115	Text Summarization using Textrank and Lexrank through Latent Semantic analysis	Satya Deo	91	A Novel Optimization Strategy For Computation Offloading in the UAV-assisted Edge Computing	Khatsuria Yash Vijaybhai
118	Hybrid classification method for plant Disease detection using GLCM & SVM	MALLE SIVA VARA PRASAD	39	A SYSTEMATIC LITERATURE SURVEY ON DATA SECURITY TECHNIQUES IN A CLOUD ENVIRONMENT	AVIJIT MONDAL
122	Using of machine learning techniques to detect Credit card frauds	Yogesh Gupta	71	Integrity Constraint Verification of Structured Query Language by Abstract Interpretation	Anwasha Kashyap
131	ELMVDP: extreme learning based virtual data position exploration and incorporation method for escalation of time series forecasting accuracy	Sarat Chandra Nayak			
Session - 5(B) (AMD) Session Chair: Ajay Parida, KIIT Bhubaneswar			Session - 6(B) (PDC) Session Chair: Monideepa Roy, KIIT Bhubaneswar		
133	Malayalam Character Recognition from Palm Leaves Using Deep-Learning	Remya Sivan	123	Cloud GIS Model for Geospatial Bigdata Visualization towards Smart City: A case study of Bhubaneswar, Odisha	Rabindra K Barik
134	Diabetic Retinopathy Detection hybrid DiabRetina-Net Structures	Payel Patra, Dr. Tripty singh	130	Deadline-sensitive Workflow Scheduling with On-demand and Spot Instances in the Cloud	Anurina Tarafdar
137	Towards Exploring Deep Features for Efficient Melanoma Diagnosis in Dermoscopic Images	Himanshu K Gajera	140	Extended Folded Cube with Cross Connection: A New Fault Tolerant Interconnection Network for Parallel Computing	Rasheswari Bhramar Ray
139	Novel Particle Swarm Optimization Based Synthesis of an Optimal Beam Steerable Circular Antenna Array for Wireless Applications	DURBADAL MANDAL	195	Fog-QKD: Towards secure geospatial data sharing mechanism in geospatial fog computing system based on Quantum Key Distribution	Rabindra Kumar Barik and Pratyusa Mukherjee
142	Space and Applications of Artificial Intelligence	Parthasarathi Pattnayak	207	Reverse ETL for Improved Scalability, Observability, and Performance of Modern Operational Analytics - A Comparative Review	Bibhu Dash
143	Detecting Long Non-Coding RNAs Responsible for Cancer Development	G.Mitra Datta	231	Efficient Task-Offloading in IoT-Fog Based Health Monitoring System	ARTI GUPTA
149	SOFTWARE FAULT PREDICTION USING MACHINE LEARNING MODELS	Ayushi Kundu	173	ECG Compression using Decomposed Transform for E-Healthcare	Sudeshna Baliarsingh

1:30P M-3:0 OPM	151	Estimation of Air Quality Index of Brajarajnagar and Talcher Industrial Region of Odisha State: A Higher Order Neural Network Approach	Ch.Sanjeev Kumar Dash			
	LUNCH					
3:00P M-5:3 OPM	Session – 07 (A) (AMD)			Session – 08 (A) (PSI)		
	Session Chair: MN Das, KIIT Bhubaneswar			Session Chair: Anjan Bandyopadhyay, KIIT Bhubaneswar		
	P.ID	Title	Author (P)	P.ID	Title	Author (P)
	161	Comparative Performance Analysis of Genetic Algorithm and Differential Evolution for Optimization of Missile Gliding Trajectory	Shubhashree Sahoo	106	Power Cognizant Optimization Techniques for Green Cloud Systems	Samirit Saha
	163	Comparative Performance Analysis of Particle Swarm Optimization and Artificial Bee Colony Algorithm for Optimization of Missile Gliding Trajectory	Shubhashree Sahoo	110	An IOT Solution for Cattle Health Monitoring and Tracking	Ayushi Subhadarshini
	176	Covid19 Patient Identification through Chest X-ray Images using Deep Learning Classifiers	Silky Goel	117	Adaptive Resource Provisioning for Smart Home using Fog Computing	ashish v chandak
	188	Semi Supervised Approach for Relation Extraction in Agriculture Documents	Veena G	124	Techno-Economic Analysis on Solar and Wind Assisted Standalone Microgrid	Abhilash Asit Kumar Majhi
	191	Optimizing Defect Removal Efficiency by Defect Prediction using Machine Learning	Krishna Chakravarty	127	iHELM:An IoT-Based Smart Helmet for Real-time Motorbike Accident Detection and Emergency Healthcare Services	Debanjan Das
	192	Human Activity Recognition based on Stacked Autoencoder with Complex Background Conditions	Aparajita Das	150	A BRIEF ANALYSIS ON ROUTING MODELS FOR EFFICIENT DATA TRANSMISSION IN SMART GRID	Chadalavada Naga Priyanka
	193	A Transfer Learning Approach for Diagnosis of COVID-19 Cases from Chest Radiography Images	Amiya Kumar Dash	183	Predicting daily household energy usages by using Model Agnostic Language for Exploration and Explanation	PRASANT KUMAR MOHANTY
	Session – 07 (B) (AMD)			Session – 08 (B) (ACVCA)		
Session Chair: Pradumna K.Tripathy, SIT Bhubaneswar Manoj Mishra, KIIT Bhubaneswar			Session Chair: Mainak Bandopadhyay, KIIT Bhubaneswar			
197	Analysis of Multi-Class Weather Classification using deep learning models and machine learning classifiers	Silky Goel	145	Vision-Based Traffic Hand Sign Recognition for Driver Assistance	Jyoti Madake	
198	Artificial Intelligence based Indian Sign Language Recognition with Accelerated	Niranjan Panigrahi	53	Facial expression recognition using DenseNet	Akshita Patwal	

	Performance under HPC Environment				
202	A Framework of Customer Review Analysis Using the Aspect-Based Opinion Mining Approach	Subhasis Dasgupta	82	Controller-free Hand Interaction in Virtual Reality	Gaurish Garg
203	Neural Machine Translation for Kashmiri to English and Hindi using Pre-trained Embeddings	Shailashree K Sheshadri	116	Transformer Based Technique for High Resolution Image Restoration	Sangsaptak Pal
204	Semantic Segmentation using Efficient and Attention UNet Architecture for Retial Images	Utkrisht Singh	126	Comparative analysis of ControlGAN and ControlGAN-GP models based text-to-Image synthesis	Dikshya Surabhi Patra
205	HYBRID REGRESSION TREE	Asit Patra	132	Fast Image Convolution and Pattern Recognition using Vedic Mathematics on Field Programmable Gate Arrays (FPGAs)	Jagadish Nayak
206	Abstractive Summarization of Indian Legal Judgments	Priyanka Prabhakar	144	A YCbCr Model Based Shadow Detection and Removal Approach On Camouflaged Images	Isha Padhy
208	Automate Descriptive Answer Grading using Reference based Models	Mohammed Azam Sayeed			

16th December 2022 (Friday)

8 AM-9. AM	Delegate Arrival, Registration					
9 AM-9: 30 AM	Tea Break					
9:30 AM-12 N	Session – 09 (AMD & DCA)			Session – 10 (ACVCA & BTEA)		
	Session Chair:			Session Chair:		
	Suwendu Rup, NIT Raipur			Sanjoy Panda, NIT Warangal		
	Ajay K. Tripathy, GM University Sambalpur			GB Mund, KIIT Bhubaneswar		
	P.ID	Title	Author (P)	P.ID	Title	Author (P)
	212	Classification of Agriculture Crops using transfer learning	Silky Goel	146	Vision Based Detection of Hospital And Police Station Scene	Jyoti Madake
	213	A distinguished method of Network Intrusion Detection using random initialized Viterbi Algorithm of Hidden Markov Model	Sharmila S P, Pratyush Shukla	147	Visualization of 3D Point Clouds for Vehicle Detection Based on LiDAR and Camera Fusion	Jyoti Madake
	215	A Deep Learning Approach For Emotion Based Music Player	Prachi Vijayeeta	63	Classification model for heart disease prediction using correlation and feature selection techniques	Sibo Prasad Patro
217	Natural Question Generation using Transformers and Reinforcement Learning	Suneel N	5	Deployment Automation For Blockchain Enabled IoMT	Kalyan Srinivas. A	
218	A Hybrid Evolutionary model for Stock Price Prediction Using Grey Wolf Optimizer	Ajay Kumar Jena	67	Adoption of Blockchain-Fog-IoMT Framework in Healthcare 4.0 Digital Revolution	Dr. Soubhagya Ranjan Mallick	

	223	Somali Extractive Text Summarization	Ahmed Seid	93	A Reward-based Framework for Recovery and Utilization of Recyclable Wastes using Blockchain	Yagnyasene Sen Gupta
	224	Distributed Self Intermittent Fault outlier identification technique for WSNs	BHABANI SANKAR GOUDA	112	IncentiveChain: Blockchain Crypto-Incentive for Effective Usage of Power and Water in Smart Farming	Ms. Sukrutha L.T. Vangipuram
	230	Fractal image compression based on Discrete wavelet transform	Pranjali Dwivedi	120	Blockchain base Solution for Trust Management Challenges Internet of Things application	N.Raghavendra Dr sai
	232	A Reinforced Active Learning Sampling for Cybersecurity NER Data Annotation	Smita Srivastava	171	QRBlock: Efficient QR Code Mechanism for Tracking and Tracing in Pharmaceutical Supply Chain	Anand Kumar Bapatla
	234	Novel Framework for Identifying Anomalies in High Volume of Data using Robust Machine Learning Algorithm	Dr. Santosh Kumar Nanda	95	The Blood Boon	Bharath Kumar Nangunuri
	236	A Multi-Linguistic Fake news detector on Hindi, Marathi and Telugu	Chetana Thaokar	26	Compound sentence and pronoun generation in Sanyog: An Iconic Communication System for People with Speech and Motor Impairments	Pinaki Sankar Chatterjee
	Keynote Talk - 3: Humanism Technology					
12N-1P M	Speaker: Prof. Sasmita Samanta, Vice Chancellor, KIIT					
1:30P M-2:30 PM	LUNCH					
	Session – 11					
2:30P M-4:3 0PM	Session Chair: Niranjan Ray, KIIT Bhubaneswar Pinaki Sankar Chatterjee, KIIT Bhubaneswar					
	IEEE Bio inspired computing STC event Expert Talk-1: Amit Kumar Mishra, University of Cape Town Expert Talk-2: Arif Ahmed, Experienced Researcher, Ericsson, Sweden Technical Community summary and Award announcement					
4:30P M-5:0 0PM	Closing Ceremony					