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KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
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काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत
కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RESEARCH PAPERS

CAY 2024-25(As per NBA)

S.No	Name of the Faculty	Title of the Paper	SDGs Addressed	SCI/Scopus/ Conference
1	Raju, B.Selvapriya, B. Srinivas	Optimized Deep Learning Model for Sentimental Analysis to Improve Consumer Experience in E-Commerce Website	SDG 9	SCOPUS
2	B. Raju, Dr. M. Sriram, Dr. V.Ganesan	Optimized deep learning model for sentimental analysis to improve consumer experience in ecommerce websites	SDG 9	SCOPUS
3	Sridhar Gujjeti , Dr. M Sriram , Dr. V. Ganesan"	Optimized Background Subtraction For High-Performance Video Text Detection	SDG 8	SCOPUS
4	"Dr. T Sunil Kumar Gujjeti Sridhar Dr. D Manju P Subhash Gujjeti Nagaraju"	"Breast Cancer Classification and Predicting Class Labels Using ResNet50"	SDG 3	SCOPUS
5	Naga Mallik Atcha , Jagannadha Rao D B , Vijayakumar Polepally	"Optimized Frequent Subgraph Mining Using Iterative Mapreduce For Enhanced Scalability And Performance"	SDG 9	SCOPUS
6	Naga Mallik Atcha, Jagannadha Rao D B, Vijayakumar Polepally	Efficient Frequent Subgraph Mining for Dynamic Network Graphs Using Golden Dung Graph Hybridization	SDG 8	SCOPUS

7	"B. Raghuram , Bhukya Hanumanthu"	"OPTIMIZED FREQUENT SUBGRAPH MINING USING ITERATIVE MAPREDUCE FOR ENHANCED SCALABILITY AND PERFORMANCE"	SDG 8	SCOPUS
8	Raghuram Bhukya, Shankar Vuppu, A Harshvardhan, Hanumanthu Bukya, Suresh Salendra	Crop Disease Detection by Deep Joint Segmentation and Hybrid Classification Model: A CAD-Based Agriculture Development System	SDG 9	SCOPUS
9	"Sujatha Madugula, Sreenivas Pratapagiri, M.S.B. Phridviraj, V. Chandra Shekhar Rao, Niranjan Polala, P. Kumaraswamy"	Big data for the comprehensive data analysis of IT organizations	SDG 8	SCOPUS
10	"Dr.N.Gayatri, D. Chaithanya, Ch V Raghavendran, Dr. Parvathi Malepati, K. Shyam Sunder Reddy, Dr. M. Kiran Kumar, Dr. P.Naresh"	"Seer: Secured Energy Efficient Routing Algorithms For Attacks In Wireless Sensor Networks"	SDG 9	SCOPUS
11	Syed Abdul Moeed, Salman Ali Syed, Gouse Baig Mohammad, Vempaty Prashanthi & Satyanarayana Nimmala	Efficient Hybrid Mayfly-Harris Hawks Optimization Support Vector Machine (EMHHO-SVM) Based Data Aggregation and Clustering Technique for Wireless Sensor Networks	SDG 9	SCIE
12	Sharafuddin Waseem Mohammed · Brindha Murugan	An effective geometrical feature extraction method for scale and rotational invariant multi-lingual character	SDG 8	SCOPUS

		recognition		
13	Sharafuddin Waseem Mohammed · Brindha Murugan	ORNAIC-TDNSI: optimal RetinaNet with artificial immune classification for text detection on natural scene images	SDG 8	SCOPUS
14	"Jagannadha Rao D.B., Parsi Kalpana , Vijayakumar Polepally , S. Nagendra Prabhu "	HE-Gaston algorithm for frequent subgraph mining with hadoop framework	SDG 9	SCIE
15	Yanamala Harinatha Reddy, D B Jagannadha Rao, Vijayakumar Polepally	Jaya dung beetle optimization-based load balancing and VM Migration for cloud data security in DevOps	SDG 9	SCOPUS
16	Sudhagar D, Swapna Saturi, Mukesh Choudhary, Pranav Senthilkumaran, Eric Howard, Mrutyunjaya S Yalawar, RG Vidhya	Revolutionizing Data Transmission Efficiency in IoT-Enabled Smart Cities: A Novel Optimization-Centric Approach	SDG 12	SCOPUS
17	"Dr. Birru Devender, Dr. C. Srinivas, K Shivaprasad, Dr. K. Praveen Kumar, Dr. Sateesh Nagavarapu, Dr. Nagabotu Vimala6"	"A Machine Learning-Driven Framework For Real-Time Environmental Pollution Monitoring And Prediction Using Iot And Remote Sensing Data"	SDG 8	SCOPUS
18	Dr. C. Srinivas*, Dr. K. Praveen Kumar, Dr. K. Deepik, Dr Srilatha Komakula, Dr. Voore Subrahmanyam, Dr K Madan	Smart Bio-Sense: A Machine Learning and IoT-Based Framework for Real-Time Bioanalytical Monitoring and Predictive Health Diagnostics	SDG 3	SCOPUS

	Mohan, Vedelli Naresh			
19	Dr. P. Niranjan1, Dr. Syed Abdul Moeed2 , Dr. V.Chandra Shekhar Rao3 ,Dr. Shaik Munawar4 Dr.P.Shireesha5	AI-Driven Framework For Smart Farming: Enhancing Crop Productivity Through Climate-Aware Decision Support	SDG 9	SCOPUS
20	B. Raju, Dr. B. Selvapriya & B. Srinivas	Optimized Gaussian Deep Learning Architecture With Sentimental Analysis For The E-Commerce Application	SDG 8	Conference
21	B. Raju, Dr. M. Sriram & Dr. V. Ganesan	Optimized Deep Learning Model for Sentimental Analysis to Improve Consumer Experience in E-Commerce Websites	SDG 8	Conference
22	Sridhar Gujjeti, Sriram M, Ganesan V	OPTIMIZED BACKGROUND SUBTRACTION FOR HIGHPERFORMANCE VIDEO TEXT DETECTION	SDG 9	Conference
23	Dr. T Sunil Kumar, Gujjeti Sridhar, Dr. D Manju, P Subhash, Gujjeti Nagaraju	Breast Cancer Classification and Predicting Class Labels Using ResNet50	SDG 3	Conference
24	D. B. Jagannadha Rao., Naga Mallik Atcha, Vijayakumar Polepally	Optimized Frequent Subgraph Mining Using Iterative MapReduce for Enhanced Scalability and Performance	SDG 8	Conference
25	Naga Mallik Atcha, D. B. Jagannadha Rao, Vijayakumar Polepally	Efficient frequent subgraph mining for dynamic network graphs using golden dung graph hybridization	SDG 8	Conference

CAYm1 2023-24

S.No	Name of the Faculty	Title of the Paper	SDGs Addressed	SCI/Scopus/ Conference
1	**Dr B. Raghu Ram**	Deep **learning based** sarcasm **detection and classification**	SDG 9	SCI

		model		
		A Novel Political Optimizer-Based Feature Selection with an Optimal Machine Learning Model for Financial Crisis Prediction	SDG 8	SCI
		Detection and classification of cardiac arrhythmia using artificial intelligence	SDG 3	SCI
2	Slokashree Padhi	Efficient renewable energy-based geographical load balancing algorithms for green cloud computing	SDG 7	SCI
		Uncertainty Level-based Algorithms by Managing Renewable Energy for Geo-Distributed Datacenters	SDG 13	SCI
3	Dr B.Raghuram Dr C.Srinivas Rao, Dr V.ChandraShekar Rao Dr K.Vinaykumar	Nabgames: Nash Bargaining Game For Improving Coverage In Unmanned Aerial Vehicles (Uav)	SDG 9	Scopus

4	Dr B.Raghuram Dr C.Srinivas Dr V.Chandra Shekar Rao Dr K.Vinaykumar	A New Smart Communication Protocol And Internet Of Things (Iot) For Waste Management System	SDG 12	Scopus
5	Dr V. Chandra Sheka Rao Dr.C.Srinivas B. Vani Dr S. Venkatramulu	An Adaptive Technique for Crime Rate Prediction using Machine Learning Algorithms	SDG 16	Scopus
6	Dr V. Chandra Shekar Rao Dr C. Srinivas	An Adaptive Technique to Predict Heart Disease Using Hybrid Machine Learning Approach	SDG 3	Scopus
7	Dr V. Chandra Shekar Rao Dr S. Venkatramulu	Violation of Traffic Rules and Detection of Sign Boards	SDG 11	Scopus
8	Dr B. Raghuram	Brain tumor image identification and classification on the internet of medical things using deep learning	SDG 3	Scopus
9	R. Rajesh	Region-based Convolutional Neural Network Driven Alzheimer's Severity Prediction	SDG 3	Scopus

10	Dr N. Gayatri	An effective autism spectrum disorder screening method using machine learning classification techniques	SDG 3	Scopus
11	V. Gouthami Dr K. Vinay Kumar	Improving Data Transmission by Efficient Communication Protocol to Control Wearable Sensors with Risk Level Analysis in Smart E-Health	SDG 3	Scopus
12	G. Sridhar	Breast Cancer Classification and Predicting Class Labels Using ResNet50	SDG 3	Scopus
13	M.S.B. Phridviraj Raghuram Bhukya Sujatha Madugula Mohammed Sharfuddin Waseem	A bi-directional Long Short-Term Memory-based Diabetic Retinopathy detection model using retinal fundus images	SDG 3	Scopus
14	Dr. M.Sujatha, P. Srinivas, MSB Prudhviraj, Dr V. Chandrashekar Rao,Dr P.Niranjan, Dr P. Kumaraswamy	Big data for the comprehensive data analysis of IT organizations	SDG 9	Scopus
15	Shaik Munawar	Narrow Band Internet of Things	SDG 9	Conference

		(NB-IoT) for Wireless Communication and Network Optimization		
16	V. Chandra Shekhar Rao M.Sujatha B. Vani	Voice Based Assistance About Surroundings of Blind and Visually Impaired People	SDG 10	Conference

CAYm2 2022-23

S.No	Name of the Faculty	Title of the Paper	SDGs addressed	SCI/Scopus/Conference
CSE	Shaik Munawar	Narrow Band Internet of Things (NB-IoT) for Wireless Communication and Network Optimization	SDG-9	Scopus
CSE	V.Chandra ShekharRao M.Sujatha B.Vani	Voice Based Assistance About Surroundings of Blind and Visually Impaired People	SDG-9	Scopus
CSE	Dr.S. Venkatramulu, Dr.V.Chandra ShekharRao, Dr.C.Srinivas, P. Sreenivas	Ip spoofing controlling with design science research methodology	SDG-9	Scopus
CSE	S.Naga Raju, Dr.Nandam Gayatri	Prediction of Diabetes at early stages using ANN &	SDG-9	Scopus

		Outlier Exposure		
CSE	Dr. V. Chandra Shekar Rao, B.Gnaneshwari Devi, P.Sreenivas Pratapagiri DrC.Srinivas, Dr.S.Venkatramulu,	Prediction of covid-19 using kalman filter algorithm	SDG-9	Scopus
CSE	Dr.K.Vinay Kumar	Code-Level Self-adaptive Approach for Building Reusable Software Components	SDG-9	Scopus
CSE	Dr. N. Gayatri, Naga Raju Sangepu	An Ensembled Intracranial Hemorrhage (ICH) Subtype Detection and Classification Approach Using A Deep Learning Models	SDG-9	Scopus
CSE	M.S.B.Prudviraj	A Generative Model Based Chatbot Using Recurrent Neural Networks	SDG-9	Scopus
CSE	S.Swapna, G.Rekha, K. Vinay Kumar	Deep learning hybrid for X-ray lung disease detection	Industry, Innovation& Infrastructure	Conference
CSE	Dr P.Niranjan Mohammed, Sharfuddin .Waseem.,	Smart Water Resource Management by Analyzing the Soil Structure and Moisture	Industry, Innovation& Infrastructure	Conference

		Using Deep Learning		
CSE	Dr P.Vijay Kumar	An Efficient Way to Predict Stock Price using LSTM-RNN Algorithm	Industry, Innovation& Infrastructure	Conference