



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

కాకతీయ ప్రేక్షాగికి ఈ విజ్ఞాన సంస్థాన, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారత

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Initiatives and Implementation of Sustainable Development Goals (SDGs)

Student Projects Linked to SDGs Provide details of major projects related to SDGs.

Academic Year: CAY, CAY-1, CAY-2

CAY 2024-25(As per NBA)

Si.No.	Roll No.	Major Project Title	SDGs Addressed	Name of the Supervisor
B-1	B21CS009	Early detection of Parkinson's disease using machine learning	SDG-3 (Good Health & Well-Being)	N. Deepika
B-2	B21CS031	Stock Closing Price Prediction using Machine Learning Techniques	SDG-8 (Decent Work & Economic Growth), SDG-9 (Industry, Innovation & Infrastructure)	S. Triveni
B-3	B21CS028	An improved feature extraction algorithms of EEG signals	SDG-3 (Good Health & Well-Being)	V. Gouthami
B-4	B21CS012	Detection of Network Attacks using Machine Learning and Deep Learning	SDG-9 (Industry, Innovation & Infrastructure), SDG-16 (Peace, Justice & Strong Institutions)	R. Radhika
B-5	B21CS014	Sentiment Analysis in Online Product Reviews	SDG-11	G. Ashmitha
B-6	B21CS041	Sign Language Recognition System using Machine Learning	SDG-4 (Quality Education)	Dr. B. Raghuram
B-7	B21CS032	Early detection of cardiac disease using Machine Learning algorithms	SDG-3 (Good Health & Well-Being)	S. Triveni
B-8	B21CS037	Bitcoin Prediction using Machine Learning	SDG-8 (Decent Work & Economic Growth), SDG-9 (Industry, Innovation & Infrastructure)	Syed Abdul Moeed

			Infrastructure)	
B-9	B21CS048	Cost-effective renewable energy migration algorithm for geo-distributed cloud data centers	SDG-3 (Good Health & Well-Being)	Dr. Sloka Shree Padhi
B-10	B21CS005	Efficient statistical based techniques for information processing	SDG-9 (Industry, Innovation & Infrastructure)	T. Ranjith Kumar
B-11	B21CS044	Traffic Flow Prediction in Urban Networks using Machine Learning Techniques	SDG-11 (Sustainable Cities & Communities)	Dr. Tarasvi Lakum
B-12	B21CS007	An end-to-end model for multi-view text recognition	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)	G. Sridhar
B-13	B22CS198L	News Text Summarization based on Multi-Feature and Fuzzy Logic	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)	B. Raju
B-14	B21CS019	Resource-aware Scene Text Recognition using learning features quantization	SDG-8, SDG-9 (Industry, Innovation & Infrastructure)	G. Sridhar
B-15	B21CS035	Detecting social engineering in chat environment	SDG-3 (Good Health & Well-Being)	M. Preethi
B-16	B21CS011	Segmentation of blood vessels using SVD and CNN	SDG-3 (Good Health & Well-Being)	Dr. N. C. Santhosh Kumar
B-17	B21CS004	A novel multi-factor authentication algorithm based on image recognition	SDG-9 (Industry, Innovation & Infrastructure)	M. Preethi
B-1	B21CS116	Classification of motor imagery EEG signals using Deep Autoencoder and CNN	SDG-3 (Good Health & Well-Being), SDG-9 (Industry, Innovation & Infrastructure)	V. Gouthami
B-2	B21CS071	Speech Emotion Recognition with Deep Learning	SDG-3 (Good Health & Well-Being), SDG-4 (Quality Education)	N. Deepika
B-3	B21CS099	Disaster Analysis from Tweets using NLP	SDG-11 (Sustainable Cities & Communities)	T. Ranjith Kumar
B-4	B21CS084	Machine Learning Based Diabetes Classification and Prediction	SDG-3 (Good Health & Well-Being)	P. Sreenivas

B-5	B21CS096	Predicting and Explaining Employee Turnover Intention	SDG-8 (Decent Work & Economic Growth)	Dr. Syed Abdul Moeed
B-6	B21CS103	User-cloud based Ensemble Framework for Type-2 Diabetes Prediction	SDG-3 (Good Health & Well-Being)	P. Sreenivas
B-7	B21CS105	Machine Learning Techniques for Diagnosis of Alzheimer's Disease	SDG-3 (Good Health & Well-Being)	Dr. N. Gayatri
B-8	B21CS092	Predictive Sales System based on Deep Learning	SDG-8 (Decent Work & Economic Growth), SDG-9 (Industry, Innovation & Infrastructure)	M. S. B. Phridviraj
B-9	B21CS118	Predictive Model for Train Delays in Railway System	SDG-9 (Industry, Innovation & Infrastructure), SDG-11 (Sustainable Cities & Communities)	Dr. C. Srinivas
B-10	B21CS091	Efficient Earthquake Prediction Model using CNN	SDG-11 (Sustainable Cities & Communities)	Dr. P. Vijay Kumar
B-11	B21CS119	Evaluating the Quality of Mobile Health Apps using ML	SDG-3 (Good Health & Well-Being)	Dr. Tarasvi Lakum
B-12	B21CS074	Deep CNN for Big Data Medical Image Classification	SDG-3 (Good Health & Well-Being), SDG-9 (Industry, Innovation & Infrastructure)	R. Rajesh
B-13	B21CS094	Arrhythmia Classification from ECG Signals using CNN-LSTM	SDG-3 (Good Health & Well-Being)	Dr. Shaik Munnawar
B-14	B22CS205L	Prediction of Diabetic Kidney Disease using Machine Learning	SDG-3 (Good Health & Well-Being)	Dr. P. Vijay Kumar
B-15	B21CS069	AI Techniques for Prevention and Detection of Cyber Attacks	SDG-9 (Industry, Innovation & Infrastructure), SDG-16 (Peace, Justice & Strong Institutions)	R. Radhika
B-16	B21CS073	Brain Tumor Detection using Deep Learning	SDG-3 (Good Health & Well-Being)	Dr. P. Niranjana
B-1	B21CS151	Deep learning for understanding multilabel imbalanced Chest X-ray datasets	SDG-3 (Good Health & Well-Being)	S. Swapna
B-2	B21CS144	Deep learning-based approach for COVID-19 spread prediction	SDG-3 (Good Health & Well-Being)	Dr. P. Niranjana
B-3	B21CS150	Classification of Intracranial	SDG-3 (Good Health & Well-Being)	Dr. N. Gayatri

		Hemorrhage CT Images using CNN-LSTM	Well-Being)	
B-4	B21CS140	Blockchain based Land Registry System	SDG-11 (Sustainable Cities & Communities)	D. Naveen Kumar
B-5	B21CS181	Healthcare Data Management System using Blockchain	SDG-3 (Good Health & Well-Being), SDG-9 (Industry, Innovation & Infrastructure)	D. Naveen Kumar
B-6	B21CS134	Intelligent Chatbot using LSTM and Attention Mechanism	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)	Dr. B. Raghuram
B-7	B21CS148	Lung Nodule Segmentation using Cat Swarm Optimization	SDG-3 (Good Health & Well-Being)	S. Swapna
B-8	B21CS172	Secure De-duplication and Recovery with Encrypted Keyword Search	SDG-9 (Industry, Innovation & Infrastructure)	Dr. P. Kumara Swamy
B-9	B21CS166	End-to-End Multi-Traffic Violations Detection and Monitoring System	SDG-11 (Sustainable Cities & Communities)	Md. Sharfuddin Waseem
B-10	B21CS187	Context Aware Session Recommendation using RNN	SDG-9 (Industry, Innovation & Infrastructure)	Dr. B. Raghuram
B-11	B21CS149	E-pilots: System to Predict Hard Landing of Commercial Flights	SDG-9 (Industry, Innovation & Infrastructure), SDG-11 (Sustainable Cities & Communities)	B. Vani
B-12	B21CS161	Segmentation of Blood Vessels using PCA and CNN	SDG-3 (Good Health & Well-Being)	Dr. N. C. Santhosh Kumar
B-13	B21CS152	Blockchain based Verification System for Academic Certificates	SDG-4 (Quality Education), SDG-16 (Peace, Justice & Strong Institutions)	Dr. P. Kumara Swamy
B-14	B21CS171	Drug Recommendation System based on Sentiment Analysis using ML	SDG-3 (Good Health & Well-Being)	Dr. C. Srinivas
B-15	B21CS141	Large-Scale Text Classification	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)	B. Raju
B-16	B21CS153	Predicting Air Quality Index using Hybrid Deep Learning	SDG-11 (Sustainable Cities & Communities)	Dr. C. Srinivas
B-17	B21CS177	Media Archive for High Profile Clients	SDG-9 (Industry, Innovation & Well-Being)	E. Manisha

			Infrastructure)	
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CAY-1 2023-24(As per NBA)

Batch No.	Roll No.	Major Project Title	Name of the Supervisor	SDGs Addressed
B1	B20CS053	Air Quality Index Prediction for Warangal City using Ensemble model.	V.Gouthami.	SDG-11 (Sustainable Cities & Communities), SDG-13 (Climate Action)
B2	B20CS058	Medical Social Media text classification integrating Consumer health terminology	B. Raju	SDG-3 (Good Health & Well-Being), SDG-9 (Industry, Innovation & Infrastructure)
B3	B20CS051	A deep learning framework for pancreas segmentation with multi-atlas registration and 3D level set	S. Nagaraju	SDG-3 (Good Health & Well-Being)
B4	B20CS059	Estimation of water potability using IOT and Machine Learning.	T. Parameshwari	SDG-3
B5	B20CS042	News Text Summarization based on Text Rank algorithm.	B. Raju	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)
B6	B20CS003	Detecting Fake news on social media using ML and NLP.	T. Ranjith	SDG-9 (Industry, Innovation & Infrastructure)
B7	B20CS048	Secure remote communication using AES algorithm in Government and Military communication.	Dr. S. Venkatarmulu	SDG-9 (Industry, Innovation & Infrastructure)
B8	B20CS040	Enhancing privacy in personalized social media ranking based recommendations.	Dr.P. Kumaraswamy	SDG-9 (Industry, Innovation & Infrastructure)
B9	B20CS013	Automatic report generation from medical imaging report (chest X-ray)	G. Ashmitha	SDG-3 (Good Health & Well-Being)
B10	B20CS009	Mouth Gesture Interface for VLC Media Player	Shaik Munavar	SDG-10 (Reduced

				Inequalities)
B11	B21CS186L	Medical Image Segmentation using Gaussian Mixture Model of Unsupervised Learning	Dr. M. Sujatha	SDG-3 (Good Health & Well-Being)
B12	B20CS014	Enhancing privacy in personalized social media ranking based recommendations.	Dr. K. Vinay Kumar	SDG-9 (Industry, Innovation & Infrastructure)
B13	B20CS039	Image Encryption and Decryption using Triple DES.	B. Vani.	SDG-9 (Industry, Innovation & Infrastructure)
B14	B20CS046	Malicious URL detection using machine learning MRG: SE & DS	E. Manisha	SDG-9 (Industry, Innovation & Infrastructure)
B15	B20CS049	Development of smart healthcare monitoring system in IOT environment.	Dr.P. Niranjan	SDG-3 (Good Health & Well-Being)
B16	B20CS044	Plant disease detection using Convolution Neural Networks with PyTorch.	M.S.B. Phridvi Raj	SDG-3 (Good Health & Well-Being)

CAY-2 2022-23(As per NBA)

Batch No.	Roll No.	Major Project Title	Name of the Supervisor	SDGs Addressed
B-1	B19CS001	Automatic Text Summarization Using LSTM	B.Raju	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)
B-2	B19CS014	Covid Bot: A Multi Lingual Chat Bot	Dr.V.Chandrashekar Rao	SDG-3 (Good Health & Well-Being), SDG-9 (Industry, Innovation & Infrastructure)
B-3	B19CS035	SQL Injection detection using machine learning	Dr.S.Venkatramulu	SDG-9 (Industry, Innovation & Infrastructure)
B-4	B19CS003	A secure and scalable block chain-based public key infrastructure system for web services	Dr.P.Kumara swamy	SDG-9 (Industry, Innovation & Infrastructure)
B-5	B19CS013	Uber Related Data Analysis and fair Price Prediction using Machine Learning	Dr.K.Vinaykumar	SDG-8 (Decent Work & Economic Growth), SDG-9 (Industry, Innovation & Infrastructure)
B-6	B19CS039	Key Management Using Combination of Diffie-Hellman Key Exchange with AES Encryption	Dr.S.Venkatramulu	SDG-9 (Industry, Innovation & Infrastructure)
B-7	B19CS022	"Detection of usage of mobile phones in using computer vision and deep learning"	N.C.Santosh kumar	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)
B-8	B19CS058	mental Stress Detection in	S.Nagaraju	SDG-3 (Good Health & Well-Being)
B-9	B19CS019	Large-Scale Text Classification Using Scope-Based Convolutional Neural Network: A Deep Learning Approach	B.Raju	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)
B-10	B19CS046	Hybrid Cryptographic Algorithms Performance Analysis between	M.S.B.Phridviraj	SDG-9 (Industry, Innovation & Infrastructure)

		2-Tier & 3-Tier Architecture		Infrastructure)
B-11	B19CS024	IoT Solution to Detect and Alert Drowsy Drivers	G.Ashmitha	SDG-3 (Good Health & Well-Being), SDG-11 (Sustainable Cities & Communities)
B-12	B19CS052	Prediction of Hurricane path and notification system	Dr.P.Vijay kumar	SDG-11
B-13	B19CS030	CNN Based Image-Text Interactions for Image Cap timing	G.Sridhar	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)
B-14	B19CS020	An Investigation of COVID-19 Diagnosis and Severity Detection using Convolutional Neural Networks	Dr.K.Vinay kumar	SDG-3 (Good Health & Well-Being)
B-15	B19CS023	Detection of DOS Attack in Software Defined Networking	Dr.P.Kumara swamy	SDG-9 (Industry, Innovation & Infrastructure)
B-1	B19CS109	Lung Cancer Detection and Classification with 3D Convolutional Neural Network (3D-CNN)	Dr.N.Gayatri	SDG-3 (Good Health & Well-Being)
B-2	B19CS097	Stock price prediction using Machine Learning Algorithms	Dr.P.Vijaykumar	SDG-8 (Decent Work & Economic Growth), SDG-9 (Industry, Innovation & Infrastructure)
B-3	B19CS066	Heart Disease Prediction using Machine Learning Techniques	Dr.C.Srinivas	SDG-3 (Good Health & Well-Being)
B-4	B19CS098	Logistic Regression vs XG Boost: Machine Learning for Counterfeit News Detection	Dr.V.Chandrashekar Rao	SDG-9 (Industry, Innovation & Infrastructure)
B-5	B19CS095	Autocratic Decision Making Using Group Recommendations Based on Intervals of Linguistic Terms and Likelihood-Based Comparison Relations	Dr.B.Raghuram	SDG-9 (Industry, Innovation & Infrastructure), SDG-16 (Peace, Justice & Strong Institutions)
B-6	B19CS108	An early Diagnosis of Diabetes using Machine	P.Srinivas	SDG-3 (Good Health & Well-Being)

		learning Technique		
B-7	B19CS065	Comparative analysis of Image processing of Deep Learning models	S.Nagaraju	SDG-9 (Industry, Innovation & Infrastructure)
B-8	B19CS064	Applications of Explainable Artificial Intelligence in Diagnosis and Surgery	Dr.N.Gayatri	SDG-3 (Good Health & Well-Being), SDG-9 (Industry, Innovation & Infrastructure)
B-9	B19CS074	Comparison of Blood Vessel Segmentation Techniques that are based on PSO, PCA and SVD	N.C.Santhosh kumar	SDG-3 (Good Health & Well-Being)
B-10	B19CS092	Diabetic Retinopathy Detection using Deep Learning	Dr.C.Srinivas	SDG-3 (Good Health & Well-Being)
B-11	B19CS084	A Secure and Verifiable Access Control Scheme for Big Data Storage in Clouds	R.Rajesh	SDG-9 (Industry, Innovation & Infrastructure)
B-12	B19CS061	Alzheimer's Diseases Detection using Machine Learning Techniques in 3D MR Images	K.Johnson	SDG-3 (Good Health & Well-Being)
	B19CS112	Project on Data analytics and visualization Using Tableau utilitarian	Dr. Syed Abdul moeed	SDG-9 (Industry, Innovation & Infrastructure), SDG-8 (Decent Work & Economic Growth)
	B19CS113	Fraud Detection in Automobile Insurance Claims Using Machine Learning Algorithms	B.Sridharmurthy	SDG-8 (Decent Work & Economic Growth)
	B19CS090	Ultra Sound Image Classification of Thyroid Nodules Based on ML	V.Gouthami	SDG-3 (Good Health & Well-Being)
	B19CS091	Detecting Phishing websites using machine learning algorithms Based on URL Features	M.Preethi	SDG-9 (Industry, Innovation & Infrastructure)
B-1	B19CS122	Digital Vehicle – License, Insurance and RC Book Tracing for Police	R.Radhika	SDG-11 (Sustainable Cities & Communities), SDG-16 (Peace, Justice & Strong Institutions)

B-2	B19CS127	Stock-Market-Forecasting using DEEP LEARNING	N.Deepika	SDG-8 (Decent Work & Economic Growth), SDG-9 (Industry, Innovation & Infrastructure)
B-3	B19CS148	Intelligent Interface for Fake Product Review Monitoring and Removal	Dr.P.Niranjan	SDG-11
B-4	B19CS138	Block chain based Land Record Management System	D.Naveen Kumar	SDG-11 (Sustainable Cities & Communities)
B-5	B19CS141	Decentralized Lottery System using Block chain	D.Naveen Kumar	SDG-9 (Industry, Innovation & Infrastructure)
B-6	B19CS139	Cryptographic Algorithms for Security	M.S.B.Phridviraj	SDG-9 (Industry, Innovation & Infrastructure)
B-7	B19CS146	Lung Disease Detection and Classification with Deep Learning Approach	S.Swapna	SDG-3 (Good Health & Well-Being)
B-8	B19CS133	Cryptographically Secure Text Transfer Based on Cloud	L.Taraswi	SDG-9 (Industry, Innovation & Infrastructure)
B-9	B19CS123	Cursive Character Recognition in Natural Scene Images Using a Multilevel Convolutional Neural Network Fusion	G.Sridhar	SDG-4 (Quality Education), SDG-9 (Industry, Innovation & Infrastructure)
B-10	B19CS150	Diagnosis of Chronic Kidney Disease Using Effective Classification	B.Sridharmurthy	SDG-3 (Good Health & Well-Being)
B-11	B19CS126	Secure File Storage On Cloud Using Hybrid Cryptography	L.Taraswi	SDG-9 (Industry, Innovation & Infrastructure)
B-12	B19CS171	Automatic Detection of Genetic Diseases in Pediatric Age Using Pupillometry	Dr.P.Niranjan	SDG-3 (Good Health & Well-Being)
B-13	B19CS128	Fake news detection Using Machine Learning	P.Sreenivas	SDG-11
B-14	B19CS129	Cross Domain Recommendation Using Semantic Similarity and Tensor Decomposition	Dr.B.Raghuram	SDG-9 (Industry, Innovation & Infrastructure)

B-15	B19CS135	Performance Evaluation of network Intrusion Detection system based on machine Learning	G.Rekha	SDG-9 (Industry, Innovation & Infrastructure)
B-16	B19CS165	Iot Based Automatic Saline Monitoring System using Node MCU	G.Ashmitha	SDG-3 (Good Health & Well-Being)