



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल
DEPARTMENT OF INFORMATION TECHNOLOGY

SDGs ADDRESSED BY MINI PROJECTs

Student Mini - Projects Linked to SDGs

AY: 2024-25

Batch Number	Roll Number	Mini Project Title	SDGs Addressed	Name of the Supervisor
1	B22IT001	Chilli Leaf Disease Detection	SDG 9	Smt. D. Jyothi
2	B22IT002	Event Management Web Application	SDG 9	
3	B22IT003	Quiz Application	SDG 9	
4	B22IT004	Fake News Detection Using NLP	SDG 9	
5	B22IT005	Phishing Detection Using Machine Learning	SDG 4	
6	B22IT006	Educational Task Management System	SDG 4	
7	B22IT007	Expense Tracker Application	SDG 9	Dr.B. Kiran Kumar
8	B22IT008	Discussion Board / Forum	SDG 9	
9	B22IT009	Heart Disease Prediction Using Machine Learning	SDG 4	
10	B22IT010	Crop Yield Prediction Using Machine Learning	SDG 4	
11	B22IT011	Employee Tracker	SDG 9	Sri A.Bhaskar
12	B22IT012	Paper Evaluation Using Machine Learning	SDG 4	
13	B22IT013	Habit Tracker	SDG 9	
14	B22IT014	Emotion Recognition from Facial Gestures using ML	SDG 9	Dr.Y.Bhavani
15	B22IT015	Credit Card Fraud Detection Using Machine Learning	SDG 4	
16	B22IT016	Detection of Counterfeit Money Using ML	SDG 9	
17	B22IT017	Habit Tracker Application	SDG 9	Sri S. Sathish Kumar
18	B22IT018	Healthcare Fraud Detection Using Machine Learning	SDG 3	
19	B22IT019	Movie Recommendation System	SDG 9	
20	B22IT020	Fake News Detection Using Logistic Regression	SDG 9	
21	B22IT021	Box Office Bar – Movie Rating System	SDG 9	Sri M.Kishore
22	B22IT022	Privacy Preserving Proofs of Storage in Cloud	SDG 9	
23	B22IT023	Weather Website	SDG 9	
24	B22IT024	Sales Prediction on Video Games Using ML	SDG 9	
25	B22IT025	Malicious URL Detection Using ML	SDG 9	Sri R.Gautam
26	B22IT026	Health Nova – AI Powered Webchat	SDG 3	
27	B22IT027	Mental Health Analysis Through Social Media	SDG 3	
28	B22IT028	Soil Classification and Yield Prediction Using ML	SDG 2	
29	B22IT029	Interior Design Client Management	SDG 9	Dr.K.Praveen Kumar
30	B22IT030	Travel Journal	SDG 9	
31	B22IT031	Plant Disease Identification Using ML	SDG 2	
32	B22IT032	College Enquiry Chatbot	SDG 9	
33	B22IT033	Bookoria – E-Commerce Bookstore	SDG 9	Dr.K.Deepika
34	B22IT034	Air Quality Index Prediction	SDG 13	
35	B22IT035	Dog Breed Prediction Using Deep Learning	SDG 4	
36	B22IT036	Air Canvas Using OpenCV	SDG 13	
37	B22IT037	Educational Task Management	SDG 4	Smt. Sobiya Sabahat
38	B22IT038	Hospital Appointment Booking System	SDG 9	
39	B22IT039	Home Service Booking Platform	SDG 9	
40	B22IT041	Online Price Comparison Application	SDG 9	

41	B22IT042	Online Payment Fraud Detection Using ML	SDG 9	Sri K.Goutham Raju
42	B22IT043	Dynamic Pricing in E-Commerce Using ML	SDG 9	
43	B22IT044	Catering Service Management System	SDG 9	
44	B22IT045	Employee Tracker	SDG 9	
45	B22IT046	Medical Insurance Cost Prediction	SDG 3	Ms.S.Sangeetha
46	B22IT047	Blockchain Framework for Student Performance	SDG 4	
47	B22IT048	Smart Attendance Using Facial Recognition	SDG 9	
48	B22IT049	Intelligent Malware Detection Using Deep Learning	SDG 4	
49	B22IT050	Car Quiz Game Web Application	SDG 9	Smt.Amera Almas
50	B22IT051	Health Tracker Application	SDG 3	
51	B22IT052	Quiz Application	SDG 9	
52	B22IT053	Object Detection	SDG 9	
53	B22IT054	Online Voting System	SDG 9	Dr.N.Rajender
54	B22IT055	Real-Time Gender Detection	SDG 9	
55	B22IT057	Video Transcript Summarizer	SDG 9	
56	B22IT058	Student Performance Prediction	SDG 4	Smt. Sobiya Sabahat
57	B22IT059	Movie Recommendation System	SDG 9	
58	B22IT060	ATM Security Using Biometrics	SDG 9	
59	B22IT061	Movies Recommendation System	SDG 9	
60	B22IT062	Weather Prediction Using ML	SDG 9	Sri N.Srinivas
61	B22IT063	Event Management System	SDG 9	
62	B22IT064	Document Analysis	SDG 9	

AY: 2024-25

B No	Roll Number	Mini Project Title	SDGs	Name of the Supervisor
			Addressed	
1	B22IT065	Prediction of energy consumption in electric vehicles	SDG 7, SDG 13	Dr. P. Kamakshi
2	B22IT067	Transforming Text to Speech Using Speech Synthesis	SDG 4, SDG 10	Dr. P. Kamakshi
3	B22IT069	Detecting Breast Cancer using Machine Learning	SDG 3	Dr. T. Senthil Murugan
4	B22IT070	Diabetes Prediction using Quantum Computing	SDG 3, SDG 9	Dr. T. Senthil Murugan
5	B22IT073	Loan Approval prediction using Machine Learning	SDG 8, SDG 9	Dr. B. Kiran Kumar
6	B22IT074	Helmet and Number Plate Detection Using YOLOv3	SDG 3, SDG 11	Sri. A. Bhaskar
7	B22IT076	Intelligent Spam Email Filter using NLP and AI	SDG 9	Sri. A. Bhaskar
8	B22IT083	AI based Chatbot for song Recommendation	SDG 9	Smt. S. B. Swathi
9	B22IT084	Smart Attendance System	SDG 4, SDG 9	Smt. S. B. Swathi
10	B22IT086	Image Colorization using AI	SDG 9	Sri. M. Kishore
11	B22IT090	Image Colorization	SDG 9	Sri. M. Kishore
12	B22IT092	Job Portal	SDG 8, SDG 9	Sri. R. Goutam
13	B22IT093	Prediction of fake job posting using Machine Learning	SDG 8, SDG 16	Sri. R. Goutam

14	B22IT094	Career Prediction System using Machine Learning	SDG 4, SDG 8	Dr. K. Praveen Kumar
15	B22IT097	IoT Network Anomaly Detection in Smart Homes using ML	SDG 9, SDG 11	Dr. K. Praveen Kumar
16	B22IT098	Credit Card Fraud Detection	SDG 8, SDG 16	Dr. K. Deepika
17	B22IT100	ChatBot in Health Care System	SDG 3, SDG 9	Dr. K. Deepika
18	B22IT101	Medicine Recommendation System	SDG 3	Dr. K. Deepika
19	B22IT102	Online Student Authentication and Proctoring System using Multimodal Biometrics	SDG 4, SDG 16	Smt. Sobiya Sabahat
20	B22IT104	Personal Expense Tracker	SDG 8	Smt. Sobiya Sabahat
21	B22IT106	Automatic Number Plate Detection using Faster R-CNN	SDG 11, SDG 16	Sri. K. Goutam Raju
22	B22IT108	Content Management System	SDG 9	Sri. K. Goutam Raju
23	B22IT109	Blockchain based Framework for Efficient Student Performance Tracking (BloSPer)	SDG 4, SDG 16	Sri. K. Goutam Raju
24	B22IT111	Crop Disease Detection using CNN and ML Algorithm	SDG 2, SDG 9	Ms. S. Sangeetha
25	B22IT114	Fake Currency Detection	SDG 8, SDG 16	Smt. Ameera Almas
26	B22IT116	Chatbot Automation for Student Educational Purpose	SDG 4, SDG 9	Smt. Ameera Almas
27	B22IT118	Image Forgery Detection	SDG 16	Dr. N. Rajender
28	B22IT119	Detection of Deep fake videos using long distance attention	SDG 16, SDG 9	Dr. N. Rajender
29	B22IT121	Skin Product recommendation system using computer vision	SDG 3, SDG 9	Dr. N. Rajender
30	B22IT122	Real-Time Financial Risk Analytics Dashboard	SDG 8, SDG 9	Dr. N. Rajender
31	B22IT123	RoadLane Detection System	SDG 3, SDG 11	Dr. N. Rajender
32	B22IT124	A Vision-Based System for Traffic Accident Detection and Analysis	SDG 3, SDG 11	Smt. K. Sandhya Rani
33	B22IT125	Fake Spam Detection using AI & ML	SDG 9, SDG 16	Smt. K. Sandhya Rani
34	B22IT126	Lightweight and Privacy-Preserving Delegatable Proofs of Storage with Data Dynamics in Cloud Storage	SDG 9, SDG 16	Smt. K. Sandhya Rani
35	B22IT127	Sign Language Translation System	SDG 4, SDG 10	Smt. K. Sandhya Rani
36	B23IT135L	Hospital Management System	SDG 3, SDG 9	Smt. B. Shruthi
37	B23IT136L	Crime Rate Prediction using Machine Learning and Data Mining	SDG 16	Smt. B. Shruthi
38	B23IT137L	Crop Recommendation using ML Algorithm	SDG 2, SDG 9	Smt. B. Sruthi
39	B23IT139L	Block chain-Based Secure IoT for Medical Devices	SDG 3, SDG 9	Smt. B. Shruthi
40	B23IT140L	Suspicious Activity Detection using YOLO11 and XGBoost Classification	SDG 16, SDG 11	Smt. B. Shruthi

AY : 2023-24

Batch Number	Roll Number	Mini Project Title	SDGs Addressed	Name of the Supervisor
1	B21IT090	Critical review on water quality analysis using IoT and machine learning models	SDG 6	Dr. T. Senthil Murugan
	B21IT073			
	B21IT122			
2	B21IT070	Advanced NLP Models for Technical University Information Chatbots: Development and Comparative Analysis	SDG 4	Dr. B. Kiran Kumar
	B21IT085			
	B21IT110			
	B21IT082			
3	B21IT069	Crime Rate Prediction Using Machine Learning and Data Mining	SDG 16	Dr .Y. Bhavani
	B21IT078			
	B22IT141L			
	B21IT093			
4	B21IT071	Virtual voice assistant using python	SDG 9	Dr. K. Praveen Kumar
	B21IT088			
	B21IT114			
	B21IT079			
5	B21IT116	Predicting Video Games Sales Using Machine Learning	SDG 8	Ms. S. Sangeetha
	B21IT104			
	B22IT137L			
	B21IT112			
6	B21IT127	Air Quality Index Forecasting via Genetic Algorithm- Based Improved Extreme Learning Machine	SDG 11	Sri. A. Bhaskar
	B21IT113			
	B21IT117			
	B21IT076			
7	B21IT084	Predicting Agriculture Yields Based on Machine Learning Using Regression And Deep Learning	SDG 2	Mrs. S.B. Swathi
	B21IT123			
	B21IT103			
	B21IT068			
8	B22IT138L			
	B21IT124	Machine learning based approach for fake news detection	SDG16	Sri. M. Kishore
	B21IT080			
	B21IT083			
	B22IT140L			
9	B21IT081	Comparative Analysis of Machine Learning Techniques for Predicting Air Quality in Smart Cities	SDG11	Dr. K. Deepika
	B21IT108			
	B21IT094			
	B21IT102			
10	B21IT072	The Smart Parking Management System	SDG11	Sri. T. Mahesh Kumar
	B21IT095			
	B21IT089			
	B21IT086			
11	B21IT092	Credit card fraud Detection using machine Learning algorithms	SDG 8	Sri. K. Goutham Raju
	B21IT096			

	B21IT106			
	B21IT118			
12	B21IT109	Real time object detection using YOLO algorithm	SDG9	Sri. R. Gautam
	B21IT075			
	B22IT142L			
	B21IT107			
13	B21IT126	Detection and Mitigation of DDOS based attack using machine Learning algorithms	SDG16	Sri. N. Rajender
	B22IT139L			
	B21IT097			
	B21IT100			
14	B21IT091	Driver Drowsiness Detection System	SDG 3	Dr. P. Kamakshi
	B21IT098			
	B21IT128			
	B21IT087			
15	B21IT119	Hand written Digit Recognition of MNIST dataset using Deep Learning state-of- the-art Artificial Neural Network (ANN) and Convolutional Neural Network (CNN)	SDG4	Smt. K. Sandhya Rani
	B21IT129			
	B21IT115			
	B21IT065			
16	B21IT077	Phishing detection system through hybrid machine learning based on URL	SDG16	Sri. N. Srinivas
	B21IT074			
	B21IT067			
	B21IT120			
17	B21IT121	License Plate Recognition Using OpenCV and PyTesseract OCR Engine	SDG11	Sri. M. Kishore
	B21IT101			
	B21IT111			
	B21IT125			

AY : 2022-23

Batch Number	Roll Number	Mini Project Title	SDGs Addressed	Name of the Supervisor
1	B20IT001	Diabetes Prediction Using Machine Learning	SDG 3	Dr.P.Kamakshi
2	B20IT002	Prediction of Chronic Kidney Disease Using Logistic Regression Algorithm	SDG 3	
3	B20IT003	Smart Attendance System Using Face Recognition	SDG 4	
4	B20IT004	House Price Prediction Using Machine Learning	SDG 11	
5	B20IT005	Disease Detection in Plants Using Machine Learning	SDG 2	
6	B20IT006	Correction of Human Forehead Temperature Variation Measured by Non-Contact Infrared Thermometer	SDG 3	R Gautam
7	B20IT007	Brain Tumor Detection	SDG 3	
8	B20IT008	Hand Gesture Recognition	SDG 9	
9	B20IT009	Chatbots in Healthcare	SDG 3	
10	B20IT010	Affinity Card Fraud Detection Using Machine	SDG 16	

		Learning		
11	B20IT011	HARVESTIFY - A Crop and Fertilizer Recommendation Website	SDG 2	Dr.K.Deepika
12	B20IT012	Character Recognition App Using ML Kit	SDG 4	
13	B20IT013	Skin Disease Detection Using Artificial Intelligence	SDG 3	
14	B20IT014	Building an Online Store Using Web Scraping	SDG 8	
15	B20IT015	Digit Recognition Using Perpendicular Distance on a Sweep Line and Chi-Square Statistics	SDG 4	
16	B20IT016	Food Ordering System	SDG 8	Dr. B. Kiran Kumar
17	B20IT017	Traffic Violation Detection Using Artificial Intelligence	SDG 11	
18	B20IT018	Understanding REST Architecture	SDG 9	
19	B20IT019	Titanic Survival Prediction	SDG9	
20	B20IT020	Human Emotion Detection Using Machine Learning Techniques	SDG 3	
21	B20IT021	Book Recommendation System Using Machine Learning	SDG 4	A. Bhaskar
22	B20IT022	Workforce Turnover Prediction	SDG 8	
23	B20IT023	Micro sleep Detection Using Machine Learning	SDG 3	
24	B20IT024	Student Placement Prediction	SDG 4	
25	B20IT025	ATM Card Security Using Biometric Authentication	SDG 16	
26	B20IT026	Movie Recommendation System Using Content-Based Learning	SDG 9	N. Rajender
27	B20IT027	Traffic Speed Radar System Using Image Processing	SDG11	
28	B20IT028	Stock Price Prediction Using Bidirectional LSTM	SDG8	
29	B20IT029	Detection of Fake Profiles Using ANN Algorithm	SDG16	
30	B20IT030	Auto Proctoring System	SDG4	
31	B20IT031	Design and Implementation of a Responsive Web Page Using HTML and CSS Virtual Assistant	SDG9	P Sree Lakshmi
32	B20IT032	Book Recommendation System Using Collaborative Filtering Method	SDG4	
33	B20IT033	Credit Card Fraud Detection Using Isolation Forest	SDG16	
34	B20IT034	Churn Prediction and Customer Segmentation for Telco Business	SDG8	
35	B20IT035	Fake News Detection Using Machine Learning	SDG16	
36	B20IT036	Sign Language Detection Using Deep Learning	SDG10	M.Kishore
37	B20IT037	Mood-Based Food Recommendation System	SDG3	
38	B20IT038	Group Chat Application with Encrypted Messaging and Video Streaming	SDG16	
39	B20IT039	Easy Attendance System Through Android Studio	SDG4	
40	B20IT040	Hate Speech Detection Using Machine Learning	SDG16	
41	B20IT041	Heart Disease Prediction Using Machine Learning	SDG3	R. Gautam
42	B20IT042	Machine Learning-Based Movie Recommendation System	SDG9	
43	B20IT043	Online Courier Service System	SDG8	
44	B20IT044	A Two-Fold Machine Learning Approach to Prevent and Detect IoT Botnet Attacks	SDG16	
45	B20IT045	DDoS Attack Detection Using Machine Learning Algorithms	SDG16	

46	B20IT046	Fake Currency Detection	SDG16	Thota Mahesh Kumar
47	B20IT047	Bug Tracking Smells in Practice	SDG9	
48	B20IT048	PDF to Audio Converter	SDG4	
49	B20IT049	Wine Quality Prediction Using Machine Learning	SDG9	
50	b20IT050	Using Machine Learning Models for Intrusion Detection	SDG16	
51	B20IT051	Improvement of Face and Eye Detection Performance Using Multi-Task Cascaded Convolutional Networks	SDG9	Dr. Praveen Kumar
52	B20IT052	Detection of Tuberculosis using CNN	SDG3	
53	B20IT053	Extractive Text Summarization Using Natural Language Processing	SDG16	
54	B20IT054	Phishing URL Detection Using Machine Learning	SDG3	
55	B20IT055	Emotion-Based Music Player Using Deep Learning	SDG8	
56	B20IT056	Travel and Tourism Management System	SDG2	K.Goutham Raju
57	B20IT057	A CNN-SVM Study Based on Selected Deep Features for Grapevine Leaves Classification	SDG8	
58	B20IT058	Predictive Analysis for Big Mart Sales Using Machine Learning Algorithms	SDG16	
59	B20IT059	Credit Card Fraud Detection Using Machine Learning	SDG10	
60	B20IT060	Arduino-Based Third Eye for Blind People	SDG3	
61	B21IT121L	Hospital Management System	SDG4	S.Sangeetha
62	B21IT122L	Word Memory Application	SDG11	
63	B21IT123L	Multiple and Mixed License Plate Identification	SDG16	
64	B21IT124L	Detecting Fake Images Using Python Libraries	SDG9	N. Srinivas
65	B21IT125L	Time Series prediction using LSTM	SDG16	
66	B21IT126L	Affinity card duplicity discernment using machine learning	SDG16	