

ISO 9001:2015
AICTE-CII: GOLD Category Institute
NAAC-'A' Grade Institute (CGPA:3.21)
NIRF-2021 Rank :197



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.
కాకతీయ ప్రైవేట్ టెక్నాలజీస్ & సైన్స్
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)

website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI&ML)
UG MINI PROJECT TITLE ALLOCATION

Programme: B.Tech.
Semester and Class: 6 CSM-I

Academic Year: 2024-25

SDG- Mapping with Mini Projects

Initiatives and Implementation of Sustainable Development Goals (SDGs)
KITS Warangal

Student Projects Linked to SDGs Provide details of mini-projects related to SDGs.

Academic Year: CAY

CAY 2024-25(As per NBA)

Batch No.	Roll No.	Mini Project Title	SDGs Addressed	Name of the Supervisor
1.	B22AI001	Automatic number plate detection using faster RCNN	SDG 11 – Sustainable Cities & Communities	Dr. Soora Narasimha Reddy
2.	B22AI002	Real estate mgt application	SDG 9 – Industry, Innovation & Infrastructure	Dr. Soora Narasimha Reddy
3.	B22AI003	Customer segmentation model using K-means Clustering on E-commerce	SDG 8 – Decent Work & Economic Growth	Dr. Soora Narasimha Reddy
4.	B22AI004	Classification of Rice varieties using DL	SDG 13 – Climate Action	Dr. Soora Narasimha Reddy
5.	B22AI005	AI powered weapon detection system	SDG 11 – Sustainable Cities & Communities	S. Naga Raju
6.	B22AI006	Employee tracker application	SDG 8 – Decent Work & Economic Growth	S. Naga Raju
7.	B22AI007	Agentic reasoning :reasoning LLMs with tools for deep research	SDG 9 – Industry, Innovation & Infrastructure	S. Naga Raju
8.	B22AI008	Predicting human brain states using transformer	SDG 3 – Good Health & Well-being	S. Naga Raju

		model		
9.	B22AI009	Data driven ML approaches for lithium-ion batteries rule prediction	SDG 9 - Industry, Innovation & Infrastructure	Dr. A. Jothi Prabha
10.	B22AI010	Habit tracker application	SDG 3 - Good Health & Well-being	Dr. A. Jothi Prabha
11.	B22AI011	Educational blog application	SDG 4 - Quality Education	Dr. A. Jothi Prabha
12.	B22AI012	Educational blog application	SDG 4 - Quality Education	Dr. A. Jothi Prabha
13.	B22AI013	ReUnite AI: Harnessing Face detection and age progression for missing person identification	SDG 11 - Sustainable Cities & Communities	Dr. K. Vinay Kumar
14.	B22AI014	Habit tracker	SDG 3 - Good Health & Well-being	Dr. K. Vinay Kumar
15.	B22AI015	Realtime drowsiness diagnostic system	SDG 11 - Sustainable Cities & Communities	Dr. K. Vinay Kumar
16.	B22AI016	Suspicious activity detection using YOLOV11 and XGBoost	SDG 11 - Sustainable Cities & Communities	Dr. K. Vinay Kumar
17.	B22AI017	Get fir fast with AI Personnel trainers using YOLOV11 post detection	SDG 3 - Good Health & Well-being	Dr. B. Hanumanthu
18.	B22AI018	AI based personalised learning application	SDG 4 - Quality Education	Dr. B. Hanumanthu
19.	B22AI019	ML applications in WINE quality prediction	SDG 9 - Industry, Innovation & Infrastructure	Dr. B. Hanumanthu
20.	B22AI020	Earthquake magnitude prediction using ML techniques	SDG 11 - Sustainable Cities & Communities	Dr. B. Hanumanthu
21.	B22AI021	Credit card fraud detection using ensemble learning techniques	SDG 9 - Industry, Innovation & Infrastructure	I. Sai Rama Krishna
22.	B22AI022	Detection and localization of melanoma skin cancer in histopathological whole slide images	SDG 3 - Good Health & Well-being	I. Sai Rama Krishna
23.	B22AI023	A novel transformer model with multiple instance learning for diabetic retinography	SDG 3 - Good Health & Well-being	I. Sai Rama Krishna
24.	B22AI024	Blood viscosity and hydration prediction using wearable devices data	SDG 3 - Good Health & Well-being	I. Sai Rama Krishna

25.	B22AI025	Movie rating and Review system	SDG 8 - Decent Work & Economic Growth	Dr. M. Sujatha
26.	B22AI026	Prodif: progressive fast fusion model for high quality text to speech	SDG 9 - Industry, Innovation & Infrastructure	Dr. M. Sujatha
27.	B22AI027	Computer vision based intelligent traffic mgt system	SDG 11 - Sustainable Cities & Communities	Dr. M. Sujatha
28.	B22AI028	Travel Journal	SDG 8 - Decent Work & Economic Growth	Dr. M. Sujatha
29.	B22AI029	Indian sign language revcognition using ML	SDG 4 - Quality Education, SDG 11	R. Swetha
30.	B22AI030	Developing AI Application on top of LLM's using GITHUB API and Lanchin	SDG 9 - Industry, Innovation & Infrastructure	R. Swetha
31.	B22AI031	AI generated image detection: classification of synthetic vs PL images	SDG 9 - Industry, Innovation & Infrastructure	R. Swetha
32.	B22AI032	Trip agency and hotel mgt system	SDG 8 - Decent Work & Economic Growth	R. Swetha
33.	B22AI033	Silent script: gesture recognitiojn system for seamless communication	SDG 11 - Sustainable Cities & Communities	E. Rajitha
34.	B22AI034	Eye blink detection and completeness assessment using long term recurrent convolutional networks	SDG 3 - Good Health & Well-being	E. Rajitha
35.	B22AI035	AI powered object detection for autonomous vehicles	SDG 11 - Sustainable Cities & Communities	E. Rajitha
36.	B22AI036	CNN based on hand gesture recognition model	SDG 9 - Industry, Innovation & Infrastructure	M.Hithasri
37.	B22AI037	Online bookstore E-commerce	SDG 8 - Decent Work & Economic Growth	M.Hithasri
38.	B22AI038	Educational task mgt	SDG 4 - Quality Education	M.Hithasri
39.	B22AI039	Sentiment Analysis using NLP and ML	SDG 9 - Industry, Innovation & Infrastructure	D. Haritha
40.	B22AI040	Detection of fake bank currency using ML	SDG 9 - Industry, Innovation & Infrastructure	D. Haritha
41.	B22AI041	A full stack travel journal web application	SDG 8 - Decent Work & Economic Growth	D. Haritha
42.	B22AI042	AI based personal assistant system	SDG 9 - Industry, Innovation & Infrastructure	V. Prashanthi

43.	B22AI043	JOB portal	SDG 8 - Decent Work & Economic Growth	V. Prashanthi
44.	B22AI044	Catering service mgt system	SDG 8 - Decent Work & Economic Growth	V. Prashanthi
45.	B22AI045	Forum or Discussion Board	SDG 4 - Quality Education	Dr. S. Raghu
46.	B22AI046	Movie rating sytem	SDG 8 - Decent Work & Economic Growth	Dr. S. Raghu
47.	B22AI047	Fake news detection	SDG 9 - Industry, Innovation & Infrastructure	Dr. S. Raghu
48.	B22AI048	Diabetis prediction using ML	SDG 3 - Good Health & Well-being	B. Ramji
49.	B22AI049	Email based Spam Detection	SDG 9 - Industry, Innovation & Infrastructure	B. Ramji
50.	B22AI050	Stock price prediction using LSTM	SDG 8 - Decent Work & Economic Growth	B. Ramji
51.	B22AI051	Leveraging ML for early detection of diabetics	SDG 3 - Good Health & Well-being	Dr. M. Rajesh
52.	B22AI052	Voice control Personal Assistant using Python	SDG 9 - Industry, Innovation & Infrastructure	Dr. M. Rajesh
53.	B22AI053	Poverty prediction by using DL and Satelite images	SDG 13 - Climate Action	Dr. M. Rajesh
54.	B22AI054	Phishing website web-app using ML	SDG 9 - Industry, Innovation & Infrastructure	K. Shiva Kumar
55.	B22AI055	AI driven personal finance mgt : Revolutonalizing budgeting and financial planning	SDG 8 - Decent Work & Economic Growth	K. Shiva Kumar
56.	B22AI056	Style transfer for personalized artistic creation	SDG 4 - Quality Education	K. Shiva Kumar
57.	B22AI057	WALL-E your AI friend -an emotion based interactive system	SDG 3 - Good Health & Well-being	V. Ramu
58.	B22AI058	Hostel mgt and billing tracker	SDG 9 - Industry, Innovation & Infrastructure	V. Ramu
59.	B22AI059	Developing AI based resume filtering system	SDG 8 - Decent Work & Economic Growth	V. Ramu
60.	B22AI060	Large language model based vision assistant using multi model chatbot	SDG 9 - Industry, Innovation & Infrastructure	B. Kalyan

61.	B22AI061	Sudoku solver using image processing techniques	SDG 4 - Quality Education	B. Kalyan
62.	B22AI062	Automated resume screening and candidate ranking system	SDG 8 - Decent Work & Economic Growth	B. Kalyan
63.	B22AI063	Image caption generator using AI	SDG 4 - Quality Education	A. Ramya Kumari
64.	B22AI064	Image forgery detection using DL	SDG 9 - Industry, Innovation & Infrastructure	A. Ramya Kumari
65.	B23AI129L	AI based fraud detection in banking transaction	SDG 9 - Industry, Innovation & Infrastructure	A. Ramya Kumari
66.	B23AI130L	AI driven employee retention Model	SDG 8 - Decent Work & Economic Growth	T. Rajitha
67.	B23AI132L	Deep fake videos detection system using Deep neural networks	SDG 9 - Industry, Innovation & Infrastructure	T. Rajitha
68.	B23AI133L	Criminal identification systems using face recognition	SDG 11 - Sustainable Cities & Communities	K. Venkateshwara Rao
69.	B23AI134L	Emotion recognition using speech processing	SDG 3 - Good Health & Well-being	K. Venkateshwara Rao
70.	B23AI135L	Stock price prediction using DL models	SDG 8 - Decent Work & Economic Growth	K. Venkateshwara Rao

Semester and Class: 6 CSM-II

Batch No.	Roll No.	Mini Project Title	SDGs Addressed	Name of the Supervisor
71.	B22AI065	Pneumonia Detection Using Deep Learning	SDG 3 – Good Health & Well-being	Dr. Soora Narasimha Reddy
72.	B22AI066	AI Powered Resume Screening	SDG 8 – Decent Work & Economic Growth	Dr. Soora Narasimha Reddy
73.	B22AI067	Education Task Management	SDG 4 – Quality Education	Dr. Soora Narasimha Reddy
74.	B22AI068	Real Estate Management Application	SDG 9 – Industry, Innovation & Infrastructure	Dr. Soora Narasimha Reddy
75.	B22AI069	AI Powered College Chatbot for Automated Information Retrieval and Query Resolution	SDG 4 – Quality Education, SDG 9	S. Naga Raju
76.	B22AI070	Image Forgery Detection using Deep Learning	SDG 9 – Industry, Innovation & Infrastructure	S. Naga Raju
77.	B22AI071	Heart Disease Prediction using Ensemble Learning	SDG 3 – Good Health & Well-being	S. Naga Raju
78.	B22AI072	Document Text Summarization using Machine Learning and Natural Language Processing	SDG 4 – Quality Education	S. Naga Raju
79.	B22AI073	Habit Tracker Application	SDG 3 – Good Health & Well-being	Dr. A. Jothi Prabha
80.	B22AI074	Expense Tracker Management System	SDG 8 – Decent Work & Economic Growth	Dr. A. Jothi Prabha
81.	B22AI075	License Plate Recognition For Detecting Stolen Vehicles	SDG 11 – Sustainable Cities & Communities	Dr. A. Jothi Prabha
82.	B22AI076	Health Tracker Application	SDG 3 – Good Health & Well-being	Dr. A. Jothi Prabha
83.	B22AI077	Job Portal Application	SDG 8 – Decent Work & Economic Growth	Dr. K. Vinay Kumar
84.	B22AI078	Quiz App	SDG 4 – Quality Education	Dr. K. Vinay Kumar
85.	B22AI080	Hostel Management And Billing Tracker	SDG 9 – Industry, Innovation & Infrastructure	Dr. K. Vinay Kumar
86.	B22AI081	Employee Tracker	SDG 8 – Decent Work & Economic Growth	Dr. B. Hanumanthu

87.	B22AI082	Machine Learning-Based Disease Prediction System	SDG 3 – Good Health & Well-being	Dr. B. Hanumanthu
88.	B22AI083	An Approach to Skin Cancer Detection	SDG 3 – Good Health & Well-being	Dr. B. Hanumanthu
89.	B22AI084	Crop and Fertilizer Recommendation System	SDG 13 – Climate Action	Dr. B. Hanumanthu
90.	B22AI085	Mental Health Analysis Through Social Media Using Machine Learning and Deep Learning Application	SDG 3 – Good Health & Well-being	I. Sai Rama Krishna
91.	B22AI086	Event Management	SDG 9 – Industry, Innovation & Infrastructure	I. Sai Rama Krishna
92.	B22AI087	Trip Agency & Hotel Management System	SDG 8 – Decent Work & Economic Growth	I. Sai Rama Krishna
93.	B22AI088	Text Extraction from Images	SDG 9 – Industry, Innovation & Infrastructure	I. Sai Rama Krishna
94.	B22AI089	Employee Tracker Application	SDG 8 – Decent Work & Economic Growth	Dr. M. Sujatha
95.	B22AI090	Cyber bullying Detection using Machine Learning	SDG 11 – Sustainable Cities & Communities	Dr. M. Sujatha
96.	B22AI091	Expense Tracker Application	SDG 8 – Decent Work & Economic Growth	Dr. M. Sujatha
97.	B22AI092	Catering Service Management System	SDG 8 – Decent Work & Economic Growth	Dr. M. Sujatha
98.	B22AI093	Exploring Deep Learning And Machine Learning Approaches For Brain Hemorrhage Detection	SDG 3 – Good Health & Well-being	R. Swetha
99.	B22AI094	Efficient Detection of KNEE OSTEOARTHRITIS Stages using and Automated Deep learning Approach	SDG 3 – Good Health & Well-being	R. Swetha
100.	B22AI095	Emotion Recognition Through Facial Analysis with Deep Learning	SDG 3 – Good Health & Well-being	R. Swetha
101.	B22AI096	Restaurant Application	SDG 8 – Decent Work & Economic Growth	E. Rajitha
102.	B22AI097	Prediction of Alzheimer's and Parkinson using EEG Signals	SDG 3 – Good Health & Well-being	E. Rajitha
103.	B22AI098	Employee Tracker Application	SDG 8 – Decent Work & Economic Growth	E. Rajitha

104.	B22AI099	Real-Time News Authentication	SDG 9 – Industry, Innovation & Infrastructure	M.Hithasri
105.	B22AI100	A CNN Based Approach for LUNG Cancer Prediction	SDG 3 – Good Health & Well-being	M.Hithasri
106.	B22AI101	Forum and Discussion Board Platform	SDG 4 – Quality Education	M.Hithasri
107.	B22AI102	Phishing Detection using Machine Learning	SDG 9 – Industry, Innovation & Infrastructure	D. Haritha
108.	B22AI103	Real Estate Management Application	SDG 9 – Industry, Innovation & Infrastructure	D. Haritha
109.	B22AI104	Comprehensive Disease Prediction System using Symptom Analysis	SDG 3 – Good Health & Well-being	D. Haritha
110.	B22AI105	Expense Tracker Application	SDG 8 – Decent Work & Economic Growth	V. Prashanthi
111.	B22AI106	An Ensemble Approach For Prediction Of Diabetes	SDG 3 – Good Health & Well-being	V. Prashanthi
112.	B22AI107	Enhanced Digital Intelligence for Tailored Email and Handling	SDG 9 – Industry, Innovation & Infrastructure	V. Prashanthi
113.	B22AI108	Skin Cancer Classification Using Machine Learning and Deep Learning	SDG 3 – Good Health & Well-being	Dr. S. Raghu
114.	B22AI109	Hybrid Emotion Detection System Using Custom CNN and Pre-trained VGG16 Model	SDG 3 – Good Health & Well-being	Dr. S. Raghu
115.	B22AI110	Advanced Color Detection and Segmentation Techniques for Real-Time Invisible Cloaking	SDG 9 – Industry, Innovation & Infrastructure	Dr. S. Raghu
116.	B22AI111	Automatic Image Caption Generation through Deep Learning Approaches	SDG 4 – Quality Education	B. Ramji
117.	B22AI112	Integrating Deep Learning to Detect Cyber Security Frauds in Digital Banking	SDG 9 – Industry, Innovation & Infrastructure	B. Ramji
118.	B22AI113	A	A	B. Ramji
119.	B22AI114	Vital Compass – An Application for Patient Vitals (Blood Pressure, Heart Rate) Monitoring	SDG 3 – Good Health & Well-being	Dr. M. Rajesh

120.	B22AI115	Answer Evaluation System using Machine Learning	SDG 4 – Quality Education	Dr. M. Rajesh
121.	B22AI116	Sign Language to Text Translation in Real Time using Convolutional Neural Network	SDG 4 – Quality Education, SDG 11	Dr. M. Rajesh
122.	B22AI117	Deforestation Analysis Based on U-NET and LSTM in Optical Satellite remote Sensing Images	SDG 13 – Climate Action	K. Shiva Kumar
123.	B22AI118	Health Tracker Application	SDG 3 – Good Health & Well-being	K. Shiva Kumar
124.	B22AI119	Enhancing Rice Leaf Disease Detection : A CNN-Based Approach	SDG 13 – Climate Action	K. Shiva Kumar
125.	B22AI120	Online Ecommerce Bookstore	SDG 8 – Decent Work & Economic Growth	V. Ramu
126.	B22AI121	Object Detection With Voice For Visually Impaired People Using ML	SDG 11 – Sustainable Cities & Communities	V. Ramu
127.	B22AI122	Detecting Malicious URLs Using Machine Learning	SDG 9 – Industry, Innovation & Infrastructure	V. Ramu
128.	B22AI123	Voice Controlled Home Automation System	SDG 11 – Sustainable Cities & Communities	B. Kalyan
129.	B22AI124	Face Recognition Attendance System for Surveillance using Deep Learning and Computer Vision	SDG 4 – Quality Education	B. Kalyan
130.	B22AI125	Restaurant Application	SDG 8 – Decent Work & Economic Growth	B. Kalyan
131.	B22AI127	Human Action Recognition Using Deep Learning	SDG 9 – Industry, Innovation & Infrastructure	A. Ramya Kumari
132.	B22AI128	Landmine Detection Using Multispectral Images	SDG 11 – Sustainable Cities & Communities	A. Ramya Kumari
133.	B23AI136L	Flight Fare Prediction Using Machine Learning	SDG 8 – Decent Work & Economic Growth	T. Rajitha
134.	B23AI137L	Traffic Sign Detection using Deep Learning	SDG 11 – Sustainable Cities & Communities	T. Rajitha
135.	B23AI138L	Fake Currency Detection using Deep Learning	SDG 9 – Industry, Innovation & Infrastructure	T. Rajitha
136.	B23AI139L	Image Classification on CNN using CIFAR 10	SDG 4 – Quality Education	K. Venkateshwara Rao

		Dataset		
137.	B23AI140L	NLP Driven Speech-To-Subtitle System For Video Playback	SDG 4 - Quality Education	K. Venkateshwara Rao
138.	B23AI141L	Real-Time Drowsy Driver Detection using CNN and LSTM Networks	SDG 11 - Sustainable Cities & Communities	K. Venkateshwara Rao

Justifications for SDG mapping for Each Mini Project Title
Academic Year: CAY: 2024-25

SDG 3 - Good Health & Well-being

Projects under SDG 3 focus on AI-driven healthcare diagnostics, preventive health monitoring, mental wellness, and medical image analysis.

Representative Projects:

- Pneumonia Detection using Deep Learning
- Heart Disease Prediction using Ensemble Learning
- Diabetes Prediction using ML
- Skin Cancer Detection
- Brain Hemorrhage Detection
- Alzheimer's & Parkinson's Prediction (EEG)
- Mental Health Analysis through Social Media
- Patient Vitals Monitoring (Vital Compass)
- Drowsiness Detection Systems
- Habit & Health Tracker Applications

Justification:

These projects:

- Apply ML/DL for early disease detection and diagnosis
- Support preventive healthcare through wearable data analytics
- Promote mental health awareness using NLP
- Improve road safety through fatigue detection
- Enable continuous health monitoring using AI

Thus, they contribute directly to improving healthcare accessibility, diagnostic efficiency, and public well-being.

SDG 4 - Quality Education

Projects mapped to SDG 4 enhance digital learning, academic analytics, accessibility, and AI-based educational tools.

Representative Projects:

- AI-based Personalized Learning Application
- Educational Blog & Task Management Systems
- Quiz App
- Answer Evaluation using ML
- Forum & Discussion Platforms
- Image Caption Generator
- Speech-to-Subtitle Systems
- Sign Language to Text Translation
- College Chatbot for Automated Information

Justification:

These projects:

- Promote Outcome-Based Education (OBE) practices
- Improve digital accessibility for differently-abled learners
- Automate evaluation and feedback mechanisms
- Enable inclusive learning through assistive AI technologies
- Enhance student engagement via interactive AI systems

They strengthen digital education infrastructure aligned with NBA standards.

SDG 8 - Decent Work & Economic Growth

Projects under SDG 8 address employability, digital finance, entrepreneurship, HR analytics, and e-commerce solutions.

Representative Projects:

- AI Powered Resume Screening
- Job Portal Applications
- Employee Retention Prediction
- Credit Card Fraud Detection
- Stock Price Prediction
- Personal Finance Management
- Online E-commerce Systems
- Travel & Hotel Management Systems
- Catering & Restaurant Applications

Justification:

These projects:

- Enhance recruitment automation and workforce analytics
- Support fintech innovation and fraud prevention
- Promote digital entrepreneurship
- Enable economic decision-making through predictive analytics
- Strengthen industry-relevant skill development

They contribute to technology-driven economic growth and employability.

SDG 9 - Industry, Innovation & Infrastructure

Projects under SDG 9 focus on AI innovation, cybersecurity, automation, intelligent systems, and applied research.

Representative Projects:

- Image Forgery Detection
- Deepfake Detection
- Fraud Detection in Banking
- Phishing & Spam Detection
- AI-based Personal Assistants
- Intelligent Email Handling
- LLM-based Vision Assistants
- Text-to-Speech Systems
- Lithium-ion Battery Prediction Models

Justification:

These projects:

- Promote digital security and cyber resilience
- Advance AI research and industrial automation
- Strengthen smart infrastructure through intelligent systems
- Encourage innovation in emerging technologies (LLMs, CV, NLP)
- Align with applied AI research trends

They foster innovation-driven industrial transformation.

SDG 11 - Sustainable Cities & Communities

Projects mapped to SDG 11 address smart mobility, public safety, surveillance, and urban intelligence.

Representative Projects:

- Automatic Number Plate Recognition
- Intelligent Traffic Management
- Drowsy Driver Detection
- Weapon Detection Systems
- Suspicious Activity Detection
- Criminal Identification Systems
- Sign Language Recognition
- Object Detection for Visually Impaired
- Landmine Detection

Justification:

These projects:

- Improve urban safety through AI surveillance
- Enhance smart transportation systems
- Promote accessibility and inclusive communities
- Support public security using computer vision
- Contribute to smart city initiatives

They align with sustainable urban infrastructure development.

SDG 13 - Climate Action

Projects mapped to SDG 13 address environmental sustainability, agriculture intelligence, and remote sensing analytics.

Representative Projects:

- Crop & Fertilizer Recommendation Systems
- Rice Leaf Disease Detection
- Rice Variety Classification
- Deforestation Analysis using U-Net & LSTM
- Poverty Prediction using Satellite Images

Justification:

These projects:

- Use AI for sustainable agriculture practices
- Support climate-aware crop management
- Apply satellite analytics for environmental monitoring
- Enable data-driven ecological assessment

They contribute to climate resilience and sustainable resource management.

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NIRF-2021 Rank : 197



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website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI&ML)

UG MINI PROJECT TITLE ALLOCATION

SDG Mapping with Mini Project

Academic Year: CAY: 2023-24

CAY 2023-24 (As per NBA)

Batch: 6 CSM

Roll Number	Name	Title of the Seminar	SDG Mapping
B21AI001	Nukala Harshini Reddy	Text To Speech Conversion	SDG-4 : Quality Education; SDG-9 : Industry, Innovation & Infrastructure
B21AI002	Hima Shankar	Movie Recommendation System	SDG-9 : Industry, Innovation & Infrastructure
B21AI003	Mamindlapelli Sanjana	Scannable Solutions: Leveraging or Code and Barcode Technology	SDG-9 : Industry, Innovation & Infrastructure; SDG-8 : Decent Work & Economic Growth
B21AI004	J. Srujan	Fake Logo Detection Using Machine Learning	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI005	Divvela Sukruth	Anomaly-Based Intrusion Detection System Using One-Dimensional Convolutional Neural Network	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI006	Chinnala Sai Vignesh	A Deep-Learning Approach to Driver Drowsiness Detection	SDG-3 : Good Health & Well-Being; SDG-11 : Sustainable Cities & Communities
B21AI007	Chaitanya A	Image Caption Generator Using Deep Learning	SDG-9 : Industry, Innovation & Infrastructure; SDG-4 : Quality Education
B21AI008	Koduganti Raghuvier	Tumorquest : AI-Powered Brain Scan	SDG-3 : Good Health & Well-Being; SDG-9 : Industry, Innovation & Infrastructure
B21AI009	T. Haritha	Weather Prediction Using Machine Learning	SDG-13 : Climate Action; SDG-9 : Industry, Innovation & Infrastructure

Roll Number	Name	Title of the Seminar	SDG Mapping
B21AI010	Rahul Peddapally	Density Based One Shot Active Learning for Image Segmentation	SDG-9 : Industry, Innovation & Infrastructure
B21AI011	Shashikant h P	Smart Clustering for Event Photographs	SDG-9 : Industry, Innovation & Infrastructure
B21AI012	P. Komali	An AI-Based Medical Chatbot Model For Infectious Disease Prediction	SDG-3 : Good Health & Well-Being; SDG-9 : Industry, Innovation & Infrastructure
B21AI013	Pappu Venkata Sessa Sai Ram	Tollmate: Intelligence Toll Estimation With Vehicle Recognition	SDG-11 : Sustainable Cities & Communities; SDG-9 : Industry, Innovation & Infrastructure
B21AI015	Srimukhi Pulluri	Crime Type and Occurrence Prediction Using Machine Learning	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI016	R. Rupasri Bhavana	Grammatical Error Corrector	SDG-4 : Quality Education
B21AI017	G. BhanuPrakash	Decentralized Finance Application using Blockchain Technology	SDG-8 : Decent Work & Economic Growth; SDG-9 : Industry, Innovation & Infrastructure
B21AI018	Sohan Sai Kumar Narugula	Twitter Bot Detection Using Supervised Machine Learning	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI019	Nagendra Vadnala	Deep Learning Techniques for Community Detection in Social Networks	SDG-9 : Industry, Innovation & Infrastructure
B21AI020	Katta Lenin Balaji	Quantumchat: Transforming Equity Research with a News Intelligence Chatbot Powered By LLM	SDG-8 : Decent Work & Economic Growth; SDG-9 : Industry, Innovation & Infrastructure
B21AI021	G Kundanika	Text Detection and Extraction Using OpenCV and OCR	SDG-4 : Quality Education; SDG-9 : Industry, Innovation & Infrastructure
B21AI022	Polakonda Sriharini	Parking Space Detection	SDG-11 : Sustainable Cities & Communities; SDG-9 : Industry, Innovation & Infrastructure
B21AI023	K. Srujan Kumar	Pneumoguard: Your AI Health Companion	SDG-3 : Good Health & Well-Being; SDG-9 : Industry, Innovation & Infrastructure
B21AI024	Rakshitha	Steganography -Behind The Images	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI025	Varsha M	Sign Language Detection Using CNN	SDG-10 : Reduced Inequalities; SDG-4 : Quality Education
B21AI026	Tejaswini	Chatbot On Rules And Regulations Of Indian Constitution	SDG-16 : Peace, Justice & Strong Institutions; SDG-4 : Quality Education

Roll Number	Name	Title of the Seminar	SDG Mapping
B21AI027	B. Bilvani	IOT Based Automated Greenhouse Using Machine Learning Approach	SDG-2 : Zero Hunger; SDG-9 : Industry, Innovation & Infrastructure
B21AI028	M. Saimanish	Stress detection using Machine Learning and Image Processing	SDG-3 : Good Health & Well-Being
B21AI029	M. Sharanya	Stock Market Price Prediction Using Deep Learning	SDG-8 : Decent Work & Economic Growth; SDG-9 : Industry, Innovation & Infrastructure
B21AI030	Sathvika Kandimalla	Development Of a Simulator to Determine Personal Financial Strategies Using Machine Learning	SDG-8 : Decent Work & Economic Growth
B21AI031	A. Yashaswi	Trust Matrix: Decrypting the deception using voting classifier	SDG-16 : Peace, Justice & Strong Institutions
B21AI032	Akhila	Traffic Sign Detection and Recognition Using Deep Learning	SDG-11 : Sustainable Cities & Communities; SDG-3 : Good Health & Well-Being
B21AI033	V. Srivatsa	Star-Galaxy Classification Using Machine Learning algorithms and Deep learning	SDG-9 : Industry, Innovation & Infrastructure
B21AI034	Rakesh Mamidi	Self Driving Car Using CNN	SDG-11 : Sustainable Cities & Communities; SDG-9 : Industry, Innovation & Infrastructure
B21AI035	N. Jagadiswar a Reddy	Virtual Voice Assistant for Windows Using Python & NLP	SDG-4 : Quality Education; SDG-9 : Industry, Innovation & Infrastructure
B21AI036	G. Pranay Reddy	Automated Real Estate Valuation with Machine Learning Models Using Property Descriptions	SDG-8 : Decent Work & Economic Growth; SDG-9 : Industry, Innovation & Infrastructure
B21AI037	Aashritha Chanda	AI Powered Documentation Assistant	SDG-9 : Industry, Innovation & Infrastructure
B21AI038	Pola Lokesh	Travel Plan Creator Using Generative AI	SDG-8 : Decent Work & Economic Growth; SDG-9 : Industry, Innovation & Infrastructure
B21AI039	B. Sri Chaithra	Text Summarization Using Generative AI	SDG-4 : Quality Education; SDG-9 : Industry, Innovation & Infrastructure
B21AI040	V. Madhuri	Predicting the popularity of the games using ML	SDG-9 : Industry, Innovation & Infrastructure
B21AI041	B Sannihitha	Low Light Image Enhancement	SDG-9 : Industry, Innovation & Infrastructure
B21AI042	Sheshu E	CINESCORE AI: Generating Movie Sound tracks with LSTM and MusicGen	SDG-4 : Quality Education; SDG-9 : Industry, Innovation & Infrastructure
B21AI043	Mrinalini Tailam	Disease prediction based on symptoms using Machine Learning	SDG-3 : Good Health & Well-Being; SDG-9 : Industry, Innovation & Infrastructure

Roll Number	Name	Title of the Seminar	SDG Mapping
B21AI044	Maskani Nithyasri	Deepfake Detection Using Deep Learning	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI045	Khaja Ghayas Uddin	Credit Card Fraud Detection Using Machine learning & Deep Learning	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI046	B. Varun	Air Quality Prediction Using Regression Techniques	SDG-13 : Climate Action; SDG-11 : Sustainable Cities & Communities
B21AI047	Mrindini Tailam	A Benchmark Study of Machine Learning Models for Online Fake News Detection	SDG-16 : Peace, Justice & Strong Institutions; SDG-4 : Quality Education
B21AI048	N. Sadwika	Heart Disease Prediction Using Deep Learning	SDG-3 : Good Health & Well-Being; SDG-9 : Industry, Innovation & Infrastructure
B21AI049	Yasmeen Shahana	Crop Recommendation system using Machine Learning	SDG-2 : Zero Hunger; SDG-9 : Industry, Innovation & Infrastructure
B21AI050	M. Kavyasree	Anemia Detection Using Machine Learning	SDG-3 : Good Health & Well-Being
B21AI051	Mohammed Umair	Real Time Object Detection Using Yolo Algorithm	SDG-9 : Industry, Innovation & Infrastructure
B21AI052	B. Vyshnavi	Helmet And Number Plate Detection Using Deep Learning	SDG-11 : Sustainable Cities & Communities; SDG-3 : Good Health & Well-Being
B21AI053	Simrani	Plant Disease Classification & Detection using Deep Learning	SDG-2 : Zero Hunger; SDG-9 : Industry, Innovation & Infrastructure
B21AI054	G.Rahul	Ocular Disease Identification Using Deep Learning Techniques	SDG-3 : Good Health & Well-Being
B21AI055	Guguloth Nikhitha	Smart Grid Stability Prediction Using Machine Learning For Sustainable Energy Future	SDG-7 : Affordable & Clean Energy; SDG-13 : Climate Action
B21AI056	Bonagiri Srividya	An Effective Twitter Spam Detection Model Using Multiple Hidden Layers Extreme Learning Machine	SDG-16 : Peace, Justice & Strong Institutions
B21AI057	G.V.N.Sreekar	Integrated Stock Price Prediction Using Algorithmic Trading Sentimental Analysis And Time Series Analysis	SDG-8 : Decent Work & Economic Growth; SDG-9 : Industry, Innovation & Infrastructure
B21AI058	G. Shivasai	Water Quality Analysis and prediction using Machine Learning	SDG-6 : Clean Water & Sanitation; SDG-13 : Climate Action
B21AI059	Tanuja Goli	Generative Adversarial Networks In The Realm Of Interior Design	SDG-9 : Industry, Innovation & Infrastructure
B21AI060	R Raghavender Reddy	Pneumonia detection using CNN	SDG-3 : Good Health & Well-Being

Roll Number	Name	Title of the Seminar	SDG Mapping
B21AI061	Jupaka Bhanuprasad	Image Colorization With Ensemble Of Convolutional Neural Networks	SDG-9 : Industry, Innovation & Infrastructure
B21AI062	A. Ruchitha	Design of Blockchain based e-voting system for voting requirements	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure
B21AI063	Kota Divya Sri	Detection of Malicious Social Bots using Learning Automata with URL features in Twitter Network	SDG-16 : Peace, Justice & Strong Institutions
B21AI064	E. Akhila	Prediction Of Diabetes Using Logistic Regression And Ensemble Techniques	SDG-3 : Good Health & Well-Being
B21AI065	B.Rahul	QR code based attendance system	SDG-9 : Industry, Innovation & Infrastructure
B22AI066L	Humera Sultana	Dementia Prediction Using Machine Learning And Deep Learning	SDG-3 : Good Health & Well-Being
B22AI067L	K. Sowmya	Prediction Of Fake Job Posting Using Machine Learning	SDG-16 : Peace, Justice & Strong Institutions
B22AI068L	D. Harika	Supermarket Sales Prediction Using Regression	SDG-8 : Decent Work & Economic Growth
B22AI069L	R.Swetha	Color Detection of RGB Images Using Python And Opencv	SDG-9 : Industry, Innovation & Infrastructure
B22AI070L	Ch.Ganesh	Image Denoising And Noisy Handwritten Characters Recognition Using CNN Autoencoder	SDG-9 : Industry, Innovation & Infrastructure
B22AI071L	E.Ajay	OTP Verification System Using Python	SDG-16 : Peace, Justice & Strong Institutions; SDG-9 : Industry, Innovation & Infrastructure

Title of the Seminar	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
Text To Speech Conversion	–	–	–	3	–	–	–	–	3	–	–	–	–	–	–	–	–
Movie Recommendation System	–	–	–	1	–	–	–	–	3	–	–	–	–	–	–	–	–
Scannable Solutions: Leveraging or Code and Barcode Technology	–	–	–	–	–	–	–	2	3	–	–	–	–	–	–	–	–
Fake Logo Detection Using Machine Learning	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
Anomaly-Based Intrusion Detection System Using One-Dimensional Convolutional Neural Network	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
A Deep-Learning Approach to Driver Drowsiness Detection	–	–	3	–	–	–	–	–	2	–	3	–	–	–	–	–	–
Image Caption Generator Using Deep Learning	–	–	–	2	–	–	–	–	3	–	–	–	–	–	–	–	–
Tumorquest : AI-Powered Brain Scan	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Weather Prediction Using Machine Learning	–	–	–	–	–	–	–	–	2	–	–	–	3	–	–	–	–
Density Based One Shot Active Learning for Image Segmentation	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Smart Clustering for Event Photographs	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
An AI-Based Medical Chatbot Model For Infectious Disease Prediction	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–

Title of the Seminar	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
Tollmate: Intelligence Toll Estimation With Vehicle Recognition	–	–	–	–	–	–	–	–	3	–	3	–	–	–	–	–	–
Crime Type and Occurrence Prediction Using Machine Learning	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
Grammatical Error Corrector	–	–	–	3	–	–	–	–	1	–	–	–	–	–	–	–	–
Decentralized Finance Application using Blockchain Technology	–	–	–	–	–	–	–	3	3	–	–	–	–	–	–	–	–
Twitter Bot Detection Using Supervised Machine Learning	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
Deep Learning Techniques for Community Detection in Social Networks	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Quantumchat: Transforming Equity Research with a News Intelligence Chatbot Powered By LLM	–	–	–	–	–	–	–	3	3	–	–	–	–	–	–	–	–
Text Detection and Extraction Using OpenCV and OCR	–	–	–	3	–	–	–	–	3	–	–	–	–	–	–	–	–
Parking Space Detection	–	–	–	–	–	–	–	–	3	–	3	–	–	–	–	–	–
Pneumoguard: Your AI Health Companion	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Steganography -Behind The Images	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
Sign Language Detection Using CNN	–	–	–	3	–	–	–	–	2	3	–	–	–	–	–	–	–

Title of the Seminar	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
Chatbot On Rules And Regulations Of Indian Constitution	–	–	–	3	–	–	–	–	2	–	–	–	–	–	–	3	–
IOT Based Automated Greenhouse Using Machine Learning Approach	–	3	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Stress detection using Machine Learning and Image Processing	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
Stock Market Price Prediction Using Deep Learning	–	–	–	–	–	–	–	3	3	–	–	–	–	–	–	–	–
Development Of a Simulator to Determine Personal Financial Strategies Using Machine Learning	–	–	–	–	–	–	–	3	2	–	–	–	–	–	–	–	–
Trust Matrix: Decrypting the deception using voting classifier	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
Traffic Sign Detection and Recognition Using Deep Learning	–	–	3	–	–	–	–	–	2	–	3	–	–	–	–	–	–
Star-Galaxy Classification Using Machine Learning algorithms and Deep learning	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Self Driving Car Using CNN	–	–	–	–	–	–	–	–	3	–	3	–	–	–	–	–	–
Virtual Voice Assistant for Windows Using Python & NLP	–	–	–	3	–	–	–	–	3	–	–	–	–	–	–	–	–
Automated Real Estate Valuation with Machine	–	–	–	–	–	–	–	3	3	–	–	–	–	–	–	–	–

Title of the Seminar	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
Learning Models Using Property Descriptions																	
AI Powered Documentation Assistant	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Travel Plan Creator Using Generative AI	–	–	–	–	–	–	–	3	3	–	–	–	–	–	–	–	–
Text Summarization Using Generative AI	–	–	–	3	–	–	–	–	3	–	–	–	–	–	–	–	–
Predicting the popularity of the games using ML	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Low Light Image Enhancement	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
CINESCORE AI: Generating Movie Sound tracks with LSTM and MusicGen	–	–	–	3	–	–	–	–	3	–	–	–	–	–	–	–	–
Disease prediction based on symptoms using Machine Learning	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Deepfake Detection Using Deep Learning	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
Credit Card Fraud Detection Using Machine learning & Deep Learning	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
Air Quality Prediction Using Regression Techniques	–	–	–	–	–	–	–	–	2	–	3	–	3	–	–	–	–
A Benchmark Study of Machine Learning Models for Online Fake News Detection	–	–	–	3	–	–	–	–	2	–	–	–	–	–	–	3	–
Heart Disease Prediction Using Deep Learning	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–

Title of the Seminar	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
Crop Recommendation system using Machine Learning	–	3	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Anemia Detection Using Machine Learning	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
Real Time Object Detection Using Yolo Algorithm	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Helmet And Number Plate Detection Using Deep Learning	–	–	3	–	–	–	–	–	2	–	3	–	–	–	–	–	–
Plant Disease Classification & Detection using Deep Learning	–	3	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Ocular Disease Identification Using Deep Learning Techniques	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
Smart Grid Stability Prediction Using Machine Learning For Sustainable Energy Future	–	–	–	–	–	–	3	–	3	–	–	–	3	–	–	–	–
An Effective Twitter Spam Detection Model Using Multiple Hidden Layers Extreme Learning Machine	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
Integrated Stock Price Prediction Using Algorithmic Trading Sentimental Analysis And Time Series Analysis	–	–	–	–	–	–	–	3	3	–	–	–	–	–	–	–	–
Water Quality Analysis and prediction using Machine Learning	–	–	–	–	–	3	–	–	2	–	–	–	3	–	–	–	–

Title of the Seminar	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
Generative Adversarial Networks In The Realm Of Interior Design	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Pneumonia detection using CNN	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Image Colorization With Ensemble Of Convolutional Neural Networks	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Design of Blockchain based e-voting system for voting requirements	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–
Detection of Malicious Social Bots using Learning Automata with URL features in Twitter Network	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
Prediction Of Diabetes Using Logistic Regression And Ensemble Techniques	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–
QR code based attendance system	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Dementia Prediction Using Machine Learning And Deep Learning	–	–	3	–	–	–	–	–	3	–	–	–	–	–	–	–	–
Prediction Of Fake Job Posting Using Machine Learning	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
Supermarket Sales Prediction Using Regression	–	–	–	–	–	–	–	3	2	–	–	–	–	–	–	–	–
Color Detection of RGB Images Using Python And Opencv	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–

Title of the Seminar	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
Image Denoising And Noisy Handwritten Characters Recognition Using CNN Autoencoder	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
OTP Verification System Using Python	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	3	–

Title of the Seminar	SDG Justification
Text To Speech Conversion	SDG-4: This system helps visually impaired and learning-disabled students access educational content easily and supports inclusive education by converting text into audio form. SDG-9: The project promotes innovation in assistive AI technologies and contributes to the development of intelligent human-computer interaction systems.
Movie Recommendation System	SDG-9: This system uses machine learning algorithms to improve digital service personalization and supports innovation in AI-based content recommendation technologies.
Scannable Solutions: Leveraging QR Code and Barcode Technology	SDG-9: QR and barcode technology improves automation and digital infrastructure in industries. SDG-8: It enhances operational efficiency and productivity which contributes to economic growth and business development.
Fake Logo Detection Using Machine Learning	SDG-16: This system helps reduce fraud and protects intellectual property rights ensuring secure digital transactions. SDG-9: It promotes innovation in computer vision technologies for brand authentication.
Anomaly-Based Intrusion Detection System Using One-Dimensional Convolutional Neural Network	SDG-16: The project strengthens cybersecurity by detecting malicious network activities and protecting sensitive data. SDG-9: It demonstrates technological innovation in AI-based network security systems.
A Deep-Learning Approach to Driver Drowsiness Detection	SDG-3: This system helps prevent accidents caused by driver fatigue and improves public health and safety. SDG-11: It supports safer transportation systems contributing to smart and sustainable cities.
Image Caption Generator Using Deep Learning	SDG-9: The project advances AI innovation in computer vision creates automatic image understanding technologies. SDG-4: It supports visually impaired users and enhances accessible learning tools.
Tumorquest : AI-Powered Brain Scan	SDG-3: The system helps in early detection of brain tumors improving healthcare outcomes. SDG-9: It promotes innovation in medical image processing using deep learning.
Weather Prediction Using Machine Learning	SDG-13: The project supports climate monitoring and disaster preparedness through accurate predictions. SDG-9: It demonstrates innovation in predictive analytics and environmental data modeling.
Density Based One Shot Active Learning for Image Segmentation	SDG-9: This project improves efficiency in machine learning models and promotes innovation in intelligent image segmentation techniques.
Smart Clustering for Event Photographs	SDG-9: The system enhances automation in multimedia data organization using AI clustering methods and supports innovation in digital image processing.
An AI-Based Medical Chatbot Model For Infectious Disease Prediction	SDG-3: The chatbot provides early health guidance and disease prediction support improving healthcare accessibility. SDG-9: It uses AI-based conversational technologies promoting digital health innovation.

Tollmate: Intelligence Toll Estimation With Vehicle Recognition	SDG-11: The project improves traffic management and reduces congestion in urban transport systems. SDG-9: It promotes innovation in intelligent transportation infrastructure.
Crime Type and Occurrence Prediction Using Machine Learning	SDG-16: The system helps law enforcement agencies predict crime patterns and improve public safety. SDG-9: It supports innovation in predictive analytics using machine learning.
Grammatical Error Corrector	SDG-4: This tool enhances language learning and improves writing skills using AI-based grammar correction technologies.
Decentralized Finance Application using Blockchain Technology	SDG-8: The project supports financial inclusion and creates new economic opportunities through decentralized finance. SDG-9: It demonstrates innovation in blockchain-based financial technologies.
Twitter Bot Detection Using Supervised Machine Learning	SDG-16: The system helps prevent misinformation and strengthens trust in social media platforms. SDG-9: It promotes innovation in AI-based social network analysis.
Deep Learning Techniques for Community Detection in Social Networks	SDG-9: This project advances innovation in social network data mining and intelligent community detection technologies.
Quantumchat: Transforming Equity Research with a News Intelligence Chatbot Powered By LLM	SDG-8: It helps investors make informed financial decisions improving economic productivity. SDG-9: It uses AI-driven analytics promoting innovation in financial intelligence systems.
Text Detection and Extraction Using OpenCV and OCR	SDG-4: The system supports digitization of educational materials improving accessibility. SDG-9: It demonstrates innovation in computer vision and text recognition technologies.
Parking Space Detection	SDG-11: The system helps reduce traffic congestion by enabling efficient parking management in urban areas. SDG-9: It promotes innovation in smart city infrastructure using computer vision technologies.
Pneumoguard: Your AI Health Companion	SDG-3: The project supports early detection and monitoring of respiratory diseases improving healthcare outcomes. SDG-9: It demonstrates innovation in AI-based medical decision support systems.
Steganography - Behind The Images	SDG-16: The project strengthens secure communication and protects sensitive information from unauthorized access. SDG-9: It promotes innovation in digital security and data protection technologies.
Sign Language Detection Using CNN	SDG-10: This system helps reduce communication barriers for hearing-impaired individuals promoting social inclusion. SDG-4: It supports accessible education through assistive learning technologies.
Chatbot On Rules And Regulations Of Indian Constitution	SDG-16: The project increases awareness about legal rights and promotes access to justice information. SDG-4: It supports civic education through AI-based knowledge systems.
IOT Based Automated Greenhouse Using Machine Learning Approach	SDG-2: The system improves crop productivity through smart farming technologies supporting food security. SDG-9: It promotes innovation in IoT-based agricultural infrastructure.

Stress detection using Machine Learning and Image Processing	SDG-3: The project helps monitor mental health conditions enabling early stress detection and intervention. It promotes well-being through AI-based health monitoring systems.
Stock Market Price Prediction Using Deep Learning	SDG-8: It supports financial decision-making and improves economic productivity. SDG-9: It demonstrates innovation in AI-based financial forecasting technologies.
Development Of a Simulator to Determine Personal Financial Strategies Using Machine Learning	SDG-8: The system helps individuals plan investments and manage finances effectively supporting economic stability and growth.
Trust Matrix: Decrypting the deception using voting classifier	SDG-16: The project helps identify fraudulent information and strengthens transparency and trust in digital systems.
Traffic Sign Detection and Recognition Using Deep Learning	SDG-11: It supports intelligent transportation systems improving urban road safety. SDG-3: The system helps reduce accidents and protects public health.
Star-Galaxy Classification Using Machine Learning algorithms and Deep learning	SDG-9: The project promotes scientific innovation in space research using AI-based classification techniques.
Self Driving Car Using CNN	SDG-11: The system contributes to safer and smarter transportation in cities. SDG-9: It promotes innovation in autonomous vehicle technologies.
Virtual Voice Assistant for Windows Using Python & NLP	SDG-4: It supports learning assistance and improves accessibility to digital education tools. SDG-9: It promotes innovation in natural language processing technologies.
Automated Real Estate Valuation with Machine Learning Models Using Property Descriptions	SDG-8: The system improves transparency in property markets supporting economic growth. SDG-9: It demonstrates innovation in AI-based real estate analytics.
AI Powered Documentation Assistant	SDG-9: The project improves productivity and promotes innovation in intelligent document processing technologies.
Travel Plan Creator Using Generative AI	SDG-8: It supports tourism sector productivity and economic development. SDG-9: It promotes innovation in AI-based travel planning systems.
Text Summarization Using Generative AI	SDG-4: It helps students quickly understand large educational content improving learning efficiency. SDG-9: It demonstrates innovation in natural language processing technologies.
Predicting the popularity of the games using ML	SDG-9: The project supports innovation in data analytics and predictive modeling for digital entertainment industries.
Low Light Image Enhancement	SDG-9: It promotes innovation in image processing technologies improving visual data quality in AI systems.

CINESCORE AI: Generating Movie Sound tracks with LSTM and MusicGen	SDG-4: The system supports creative learning by helping students understand music generation using AI technologies. SDG-9: It promotes innovation in deep learning applications for digital media and audio processing.
Disease prediction based on symptoms using Machine Learning	SDG-3: The project helps early detection of diseases improving healthcare accessibility and patient outcomes. SDG-9: It promotes innovation in AI-based medical decision support systems.
Deepfake Detection Using Deep Learning	SDG-16: The system helps prevent misinformation and strengthens trust in digital media. SDG-9: It promotes innovation in AI-based image and video authentication technologies.
Credit Card Fraud Detection Using Machine learning & Deep Learning	SDG-16: The project protects financial systems by detecting fraudulent transactions and ensuring digital security. SDG-9: It demonstrates innovation in machine learning-based financial risk detection.
Air Quality Prediction Using Regression Techniques	SDG-13: The system supports climate monitoring by predicting pollution levels and environmental risks. SDG-11: It helps create healthier and more sustainable urban living environments.
A Benchmark Study of Machine Learning Models for Online Fake News Detection	SDG-16: The project helps identify misinformation improving transparency in digital communication. SDG-4: It supports media literacy and awareness among learners.
Heart Disease Prediction Using Deep Learning	SDG-3: The system helps early diagnosis of heart conditions improving healthcare outcomes. SDG-9: It promotes innovation in AI-driven medical prediction technologies.
Crop Recommendation system using Machine Learning	SDG-2: The system helps farmers select suitable crops improving food production and agricultural sustainability. SDG-9: It promotes innovation in smart agriculture technologies.
Anemia Detection Using Machine Learning	SDG-3: The project supports early detection of anemia improving public health monitoring and medical diagnosis.
Real Time Object Detection Using Yolo Algorithm	SDG-9: The system promotes innovation in computer vision technologies for real-time intelligent automation.
Helmet And Number Plate Detection Using Deep Learning	SDG-11: It supports smart traffic monitoring improving urban transportation safety. SDG-3: The system helps reduce road accidents and protects public health.
Plant Disease Classification & Detection using Deep Learning	SDG-2: The project helps farmers detect crop diseases early improving agricultural productivity. SDG-9: It promotes innovation in AI-based agricultural monitoring systems.
Ocular Disease Identification Using Deep Learning Techniques	SDG-3: The system supports early diagnosis of eye diseases improving healthcare accessibility and treatment outcomes.

Smart Grid Stability Prediction Using Machine Learning For Sustainable Energy Future	SDG-7: The project helps improve energy efficiency and supports reliable power distribution systems. SDG-13: It contributes to climate action by promoting sustainable energy management.
An Effective Twitter Spam Detection Model Using Multiple Hidden Layers Extreme Learning Machine	SDG-16: The system helps prevent spam and malicious content improving digital trust and security.
Integrated Stock Price Prediction Using Algorithmic Trading Sentimental Analysis And Time Series Analysis	SDG-8: It supports informed financial decisions improving economic productivity. SDG-9: It promotes innovation in AI-driven financial analytics systems.
Water Quality Analysis and prediction using Machine Learning	SDG-6: The project supports monitoring of water safety improving clean water accessibility. SDG-13: It helps environmental protection through predictive climate and pollution analysis.
Generative Adversarial Networks In The Realm Of Interior Design	SDG-9: The system promotes innovation in creative AI applications for digital design automation.
Pneumonia detection using CNN	SDG-3: The project supports early diagnosis of pneumonia improving healthcare outcomes and reducing mortality risk.
Image Colorization With Ensemble Of Convolutional Neural Networks	SDG-9: It promotes innovation in computer vision technologies for automatic image enhancement.
Design of Blockchain based e-voting system for voting requirements	SDG-16: The system promotes transparent and secure voting processes strengthening democratic institutions. SDG-9: It demonstrates innovation in blockchain technology for secure digital infrastructure.
Detection of Malicious Social Bots using Learning Automata with URL features in Twitter Network	SDG-16: The project helps identify harmful social media bots reducing misinformation and improving online safety.
Prediction Of Diabetes Using Logistic Regression And Ensemble Techniques	SDG-3: The system supports early detection of diabetes improving preventive healthcare and patient management.

QR code based attendance system	SDG-9: The project promotes digital automation and innovation in smart attendance management systems.
Dementia Prediction Using Machine Learning And Deep Learning	SDG-3: The system helps early identification of dementia supporting better healthcare planning and treatment.
Prediction Of Fake Job Posting Using Machine Learning	SDG-16: The project helps prevent employment fraud improving trust and transparency in recruitment systems.
Supermarket Sales Prediction Using Regression	SDG-8: The system helps businesses optimize sales strategies improving productivity and economic growth.
Color Detection of RGB Images Using Python And Opencv	SDG-9: The project promotes innovation in computer vision technologies for automated image analysis.
Image Denoising And Noisy Handwritten Characters Recognition Using CNN Autoencoder	SDG-9: The system improves digital image processing and promotes innovation in AI-based recognition technologies.
OTP Verification System Using Python	SDG-16: The project strengthens digital security and prevents unauthorized access to online systems. SDG-9: It promotes innovation in secure authentication technologies.

ISO 9001:2015

AICTE-CII: GOLD Category Institute

NAAC-'A' Grade Institute (CGPA: 3.21)

NIRF-2021 Rank : 197



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

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

కాకతీయ ప్రైవేట్ టెక్నాలజీ & సైన్స్ సంస్థ, వరంగల్ - 506 015 తెలంగాణ, భారత్

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 506 015 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)

website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI&ML)

UG MINI PROJECT TITLE ALLOCATION

Programme: B.Tech.

Semester and Class: 6 CSM

SDG- Mapping with Mini Projects

Academic Year: CAY: 2022-23

CAY 2022-23 (As per NBA)

Batch: 6 CSM

S.No	R.No	Name	Project Title	SDGs Mapped
1	B20AI001	AKHIL	Product Based Recommendation System on Amazon Data	SDG 9 – Industry, Innovation and Infrastructure SDG 12 – Responsible Consumption and Production
2	B20AI002	B.Manvitha reddy	Clinical Decision Support System Using Machine Learning	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
3	B20AI003	DONTHIREDDY. SAI DINESH REDDY	Traffic Sign Recognition Using CNN Algorithm	SDG 3 – Good Health and Well-being SDG 11 – Sustainable Cities and Communities
4	B20AI004	ULIRAVULA ARADHANA	Detection of Rice Leaf Disease Using CNN	SDG 2 – Zero Hunger SDG 9 – Industry, Innovation and Infrastructure
5	B20AI005	SAI ESHWAR	Movie Recommendation System Using Machine Learning	SDG 9 – Industry, Innovation and Infrastructure

S.No	R.No	Name	Project Title	SDGs Mapped
6	B20AI006	v.sri charan	Water Quality Analysis Using Machine Learning	SDG 6 – Clean Water and Sanitation SDG 3 – Good Health and Well-being
7	B20AI007	RITHVIK ERRABELLI	Heart Predicting System Using Machine Learning	SDG 3 – Good Health and Well-being
8	B20AI008	Hamsini Polakonda	Intrusion Detection in Imbalance Network Traffic	SDG 9 – Industry, Innovation and Infrastructure SDG 16 – Peace, Justice and Strong Institutions
9	B20AI009	Tripura Ramagiri	Ultrasound Nerve Segmentation with Optimized ResU-Net	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
10	B20AI010	SILUVERU SRUTHI	Speech Emotion Recognition Using Machine Learning	SDG 3 – Good Health and Well-being SDG 4 – Quality Education
11	B20AI011	BOINIPALLY SAMHITHA	Exoplanets Finding Using Deep Learning	SDG 9 – Industry, Innovation and Infrastructure
12	B20AI012	CHADA SPANDANA	Brain Tissue Segmentation	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
13	B20AI013	K. Sai Anirudh	Online Course Recommendation System	SDG 4 – Quality Education SDG 9 – Industry, Innovation and Infrastructure
14	B20AI014	Ashritha Vallem	Anomaly Detection in Time Series Using LSTM-based Autoencoders	SDG 9 – Industry, Innovation and Infrastructure
15	B20AI015	KURIMILLA ROHAN	SpaceX Falcon9 Rocket Launch Analysis	SDG 9 – Industry, Innovation and Infrastructure
16	B20AI016	BOPPANI JOTHSNA	Image Captioning Using Deep Learning	SDG 9 – Industry, Innovation and Infrastructure SDG 4 – Quality Education
17	B20AI017	ONI.INDHUSRI	Human Stress Detection in and through Sleep Using Machine	SDG 3 – Good Health and Well-being

S.No	R.No	Name	Project Title	SDGs Mapped
			Learning	
18	B20AI018	SAI NITHIN SANGEKARI	Disease Prediction System Using Machine Learning / Script Recognition	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
19	B20AI019	Donthireddy sathvika	Sentiment Analysis on YouTube Comments	SDG 9 – Industry, Innovation and Infrastructure SDG 16 – Peace, Justice and Strong Institutions
20	B20AI020	KUSUMBA VANI	Object Detection Using CNN	SDG 9 – Industry, Innovation and Infrastructure
21	B20AI021	GAGGULA ESHWARA ARYAN	Forest Fire Alerting System with GPS Coordinates Using IoT	SDG 13 – Climate Action SDG 15 – Life on Land
22	B20AI022	V.USHA SREE	AI Healthcare Chatbot System	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
23	B20AI023	BOMMALA JAGADEESHA	Automated Attendance System Using Face Recognition	SDG 4 – Quality Education SDG 9 – Industry, Innovation and Infrastructure
24	B20AI024	RAMA CHANDANA	AI-Powered Mental Health Chatbot	SDG 3 – Good Health and Well-being
25	B20AI025	K Venkat Sai Teja	Facial Emotion Recognition Using Neural Networks	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
26	B20AI026	Anjali T	Autism Detection Using ML Techniques	SDG 3 – Good Health and Well-being SDG 4 – Quality Education
27	B20AI027	Syeda Ayesha Zainab	Hate Speech Detection Using Machine Learning	SDG 16 – Peace, Justice and Strong Institutions SDG 9 – Industry, Innovation and Infrastructure
28	B20AI028	GANJI SAI TARUN	Fake News Detection Using ML / Density-Based Smart	SDG 16 – Peace, Justice and Strong Institutions SDG 11 – Sustainable Cities and Communities

S.No	R.No	Name	Project Title	SDGs Mapped
			Traffic Control System	
29	B20AI029	T. SAI SWETHA	Deep Neural Networks for Medical Image Segmentation	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
30	B20AI030	ADEPU VARSHITH KUMAR	Healthcare (All-in-One Medical Solution Using ML) / Multi-Disease Detection	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
31	B20AI031	BONALA MANISH	Image Colorization with Deep Convolutional Neural Networks	SDG 9 – Industry, Innovation and Infrastructure
32	B20AI032	S. RISHITHA	Chatbot Application using NLP and AIML	SDG 9 – Industry, Innovation and Infrastructure SDG 4 – Quality Education
33	B20AI033	Jahnavi Suryadevara	Mental Health Prediction Using Machine Learning	SDG 3 – Good Health and Well-being
34	B20AI034	A.Samyuktha	Parking Lot Space Detection Using Image Processing	SDG 11 – Sustainable Cities and Communities SDG 9 – Industry, Innovation and Infrastructure
35	B20AI035	Sriramkiran Devarakonda	Adoption of AI-Based Robots in University Education	SDG 4 – Quality Education SDG 9 – Industry, Innovation and Infrastructure
36	B20AI037	Sreeja Yerroju	Improving Sentiment Analysis in Social Media	SDG 9 – Industry, Innovation and Infrastructure SDG 16 – Peace, Justice and Strong Institutions
37	B20AI038	K.Thrisha	Stellar Classification Using Machine Learning	SDG 9 – Industry, Innovation and Infrastructure
38	B20AI039	Nimra Aiman	Personality Prediction	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
39	B20AI040	RUGWESH REDDY	Image Steganography	SDG 9 – Industry, Innovation and

S.No	R.No	Name	Project Title	SDGs Mapped
				Infrastructure SDG 16 – Peace, Justice and Strong Institutions
40	B20AI041	Hussian pally sai srija	Alzheimer's Disease Prediction Using Machine Learning	SDG 3 – Good Health and Well-being
41	B20AI042	Varine Vamshi Krishna	Fake Currency Detection Using Deep Learning	SDG 16 – Peace, Justice and Strong Institutions SDG 9 – Industry, Innovation and Infrastructure
42	B20AI043	k sai varshith	Video Image Deblurring Using Deep Learning	SDG 9 – Industry, Innovation and Infrastructure
43	B20AI044	Bindhu shri karnabhathula	Next Word Prediction	SDG 9 – Industry, Innovation and Infrastructure SDG 4 – Quality Education
44	B20AI045	G SAI SUMANTH	Grammar Detection and Sentiment Analysis using Viterbi Algorithm	SDG 4 – Quality Education SDG 9 – Industry, Innovation and Infrastructure
45	B20AI046	Adhi Harsha	Early Prediction of Chronic Kidney Disease using ML	SDG 3 – Good Health and Well-being
46	b20AI047	vrushika k	Personality Prediction through CV Analysis	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
47	B20AI048	SAHITHI	Sign Language Recognition	SDG 10 – Reduced Inequalities SDG 4 – Quality Education
48	B20AI049	Akshitha sangi	Emotion-Based Music Recommendation System	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
49	B20AI050	Ritheesh varma	Loan Prediction Using Machine Learning	SDG 8 – Decent Work and Economic Growth SDG 9 – Industry, Innovation and Infrastructure
50	B20AI051	ELUDONDA CHAKRI	FAKEDETECTO R: Fake News Detection with	SDG 16 – Peace, Justice and Strong Institutions SDG 9 – Industry,

S.No	R.No	Name	Project Title	SDGs Mapped
			Deep Diffusive Neural Network	Innovation and Infrastructure
51	B20AI052	D. VENKATA KRISHNA REDDY	Edge Traffic Flow Detection Using Deep Learning	SDG 11 – Sustainable Cities and Communities SDG 9 – Industry, Innovation and Infrastructure
52	B20AI053	Mohammad Sabha	Sentiment Analysis Using Amazon Product Review Data	SDG 9 – Industry, Innovation and Infrastructure SDG 12 – Responsible Consumption and Production
53	b20AI054	prathibha reddy	Image Processing / Wine Quality Prediction	SDG 9 – Industry, Innovation and Infrastructure
54	B20AI055	Bathula Shresta	Real-Time Face Mask Detection Using CNN	SDG 3 – Good Health and Well-being SDG 9 – Industry, Innovation and Infrastructure
55	B20AI056	Mandula Bangaru Babu	Image Denoising and Handwritten Character Recognition Using CNN Autoencoders	SDG 4 – Quality Education SDG 9 – Industry, Innovation and Infrastructure
56	B20AI057	MOHAMMED AYMAN SUHAIL	Data Duplication Removal / Malware Detection Using Machine Learning	SDG 9 – Industry, Innovation and Infrastructure SDG 16 – Peace, Justice and Strong Institutions
57	B20AI058	O. Ananya	Barcode Detection Using Image Processing	SDG 9 – Industry, Innovation and Infrastructure
58	B20AI059	Mohammed Aamir Ahmed	Handwritten Character Recognition Using CNN	SDG 4 – Quality Education SDG 9 – Industry, Innovation and Infrastructure
59	B20AI060	SHYAMALA KUSHAL	Burned Calories Prediction Using Machine Learning	SDG 3 – Good Health and Well-being
60	B21AI061L	Y. Teena	Time Series Prediction Using LSTM	SDG 9 – Industry, Innovation and Infrastructure
61	B21AI062L	Varanasi Nithish Bhavan	Fraud Payment Transactions Detection Using	SDG 16 – Peace, Justice and Strong Institutions SDG 9 – Industry,

S.No	R.No	Name	Project Title	SDGs Mapped
			Machine Learning	Innovation and Infrastructure
62	B21AI063L	VAKKALA SUJATHA	Driver Drowsiness Detection System	SDG 3 – Good Health and Well-being SDG 11 – Sustainable Cities and Communities
63	B21AI064L	Mannoj	Gender and Age Prediction Using Keras	SDG 9 – Industry, Innovation and Infrastructure
64	B21AI065L	Ramya Krishna	Number Plate Detection / Heart Disease Prediction Using ML	SDG 11 – Sustainable Cities and Communities SDG 3 – Good Health and Well-being
65	B21AI066L	G. Sai Siddu	Food Delivery Customer Churn Prediction	SDG 8 – Decent Work and Economic Growth SDG 9 – Industry, Innovation and Infrastructure

	Recognition Using Machine Learning																	
11	Exoplanets Finding Using Deep Learning	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
12	Brain Tissue Segmentation	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
13	Online Course Recommendation System	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
14	Anomaly Detection in Time Series Using LSTM-based Autoencoders	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
15	SpaceX Falcon9 Rocket Launch Analysis	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
16	Image Captioning Using Deep Learning	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-
17	Human Stress Detection in and through Sleep Using Machine Learning	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Disease Prediction System Using Machine Learning / Script Recognition	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
19	Sentiment Analysis on YouTube Comments	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-

20	Object Detection Using CNN	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
21	Forest Fire Alerting System with GPS Coordinates Using IoT	-	-	-	-	-	-	-	-	-	-	-	-	3	-	2	-	-
22	AI Healthcare Chatbot System	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
23	Automated Attendance System Using Face Recognition	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
24	AI-Powered Mental Health Chatbot	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Facial Emotion Recognition Using Neural Networks	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
26	Autism Detection Using ML Techniques	-	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Hate Speech Detection Using Machine Learning	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-
28	Fake News Detection Using ML / Density-Based Smart Traffic Control System	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	3	-
29	Deep Neural Networks for Medical Image Segmentation	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-

	Disease Prediction Using Machine Learning																	
41	Fake Currency Detection Using Deep Learning	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-
42	Video Image Deblurring Using Deep Learning	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
43	Next Word Prediction	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-
44	Grammar Detection and Sentiment Analysis using Viterbi Algorithm	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
45	Early Prediction of Chronic Kidney Disease using ML	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	Personality Prediction through CV Analysis	-	-	2	-	-	-	-	-	3	-	-	-	-	-	-	-	-
47	Sign Language Recognition	-	-	-	2	-	-	-	-	-	3	-	-	-	-	-	-	-
48	Emotion-Based Music Recommendation System	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
49	Loan Prediction Using Machine Learning	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-
50	FAKEDTECTO R: Fake News Detection with	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-

60	Time Series Prediction Using LSTM	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
61	Fraud Payment Transactions Detection Using Machine Learning	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-
62	Driver Drowsiness Detection System	-	-	2	-	-	-	-	-	-	-	3	-	-	-	-	-	-
63	Gender and Age Prediction Using Keras	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
64	Number Plate Detection / Heart Disease Prediction Using ML	-	-	2	-	-	-	-	-	-	-	3	-	-	-	-	-	-
65	Food Delivery Customer Churn Prediction	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-

Justifications for SDG mapping for Each Mini Project Title

Academic Year: CAY-1: 2022-23

Mini Project Title - 1	Product Based Recommendation System on Amazon Data
Justifications	SDG 9: Improves online shopping platforms using intelligent recommendation techniques SDG 12: Helps users choose relevant products and avoid unnecessary purchases.
Mini Project Title - 2	Clinical Decision Support System Using Machine Learning
Justifications	SDG 3: Supports doctors in diagnosis and treatment decisions SDG 9: Uses machine learning to strengthen digital healthcare systems.
Mini Project Title - 3	Traffic Sign Recognition Using CNN Algorithm
Justifications	SDG 3: Improves road safety by reducing traffic accidents SDG 11: Supports smart and safe transportation in cities.
Mini Project Title - 4	Detection of Rice Leaf Disease Using CNN
Justifications	SDG 2: Helps farmers detect crop diseases early and protect food production SDG 9: Applies modern technology to improve agriculture practices.
Mini Project Title - 5	Movie Recommendation System Using Machine Learning
Justifications	SDG 9: Enhances digital entertainment platforms through personalized recommendations.
Mini Project Title - 6	Water Quality Analysis Using Machine Learning
Justifications	SDG 6: Monitors water quality to identify unsafe water sources SDG 3: Helps prevent health problems caused by polluted water.

Mini Project Title - 7	Heart Predicting System Using Machine Learning
Justifications	SDG 3: Supports early prediction of heart diseases and improves healthcare outcomes.
Mini Project Title - 8	Intrusion Detection in Imbalance Network Traffic
Justifications	SDG 9: Strengthens network security using advanced data analysis SDG 16: Protects digital systems and improves trust in institutions.
Mini Project Title - 9	Ultrasound Nerve Segmentation with Optimized ResU-Net
Justifications	SDG 3: Supports accurate medical diagnosis using image analysis SDG 9: Improves healthcare technology through deep learning models.
Mini Project Title - 10	Speech Emotion Recognition Using Machine Learning
Justifications	SDG 3: Helps analyze emotional states for mental health support SDG 4: Improves learning systems through better human–computer interaction.
Mini Project Title - 11	Exoplanets Finding Using Deep Learning
Justifications	SDG 9: Uses deep learning techniques to support advanced scientific research and space technology innovation.
Mini Project Title - 12	Brain Tissue Segmentation
Justifications	SDG 3: Helps in accurate diagnosis of brain-related diseases SDG 9: Applies advanced image processing techniques in medical systems.
Mini Project Title - 13	Online Course Recommendation System
Justifications	SDG 4: Helps learners find suitable courses based on their interests SDG 9: Improves digital education platforms using recommendation technology.
Mini Project Title - 14	Anomaly Detection in Time Series Using LSTM-based Autoencoders

Justifications	SDG 9: Supports intelligent monitoring systems by detecting unusual patterns using advanced machine learning.
Mini Project Title - 15	SpaceX Falcon9 Rocket Launch Analysis
Justifications	SDG 9: Analyzes space launch data to support innovation in aerospace technology.
Mini Project Title - 16	Image Captioning Using Deep Learning
Justifications	SDG 9: Uses deep learning to improve computer vision applications SDG 4: Helps in learning and accessibility by automatically describing images.
Mini Project Title - 17	Human Stress Detection in and through Sleep Using Machine Learning
Justifications	SDG 3: Helps in identifying stress levels to support mental and physical health.
Mini Project Title - 18	Disease Prediction System Using Machine Learning / Script Recognition
Justifications	SDG 3: Supports early disease prediction and healthcare decision-making SDG 9: Uses machine learning to improve medical and recognition systems.
Mini Project Title - 19	Sentiment Analysis on YouTube Comments
Justifications	SDG 9: Applies natural language processing to analyze user opinions SDG 16: Helps identify harmful or misleading content to promote responsible communication.
Mini Project Title - 20	Object Detection Using CNN
Justifications	SDG 9: Improves computer vision systems used in automation and smart technologies.
Mini Project Title - 21	Forest Fire Alerting System with GPS Coordinates Using IoT

Justifications	SDG 13: Helps in early detection of forest fires to reduce climate impact SDG 15: Protects forests and wildlife through timely alerts.
Mini Project Title - 22	AI Healthcare Chatbot System
Justifications	SDG 3: Provides basic medical assistance and health guidance SDG 9: Uses AI to improve digital healthcare services.
Mini Project Title - 23	Automated Attendance System Using Face Recognition
Justifications	SDG 4: Improves attendance management in educational institutions SDG 9: Applies face recognition technology to automate systems.
Mini Project Title - 24	AI-Powered Mental Health Chatbot
Justifications	SDG 3: Supports mental health awareness and emotional well-being through AI interaction.
Mini Project Title - 25	Facial Emotion Recognition Using Neural Networks
Justifications	SDG 3: Helps understand emotional states for mental health support SDG 9: Uses neural networks to improve emotion recognition systems.
Mini Project Title - 26	Autism Detection Using ML Techniques
Justifications	SDG 3: Supports early detection of autism for better care SDG 4: Helps design personalized learning support for children.
Mini Project Title - 27	Hate Speech Detection Using Machine Learning
Justifications	SDG 16: Helps reduce harmful online content and promote peaceful communication SDG 9: Uses machine learning to strengthen digital monitoring systems.
Mini Project Title - 28	Fake News Detection Using ML / Density-Based Smart Traffic Control System

Justifications	SDG 16: Helps identify fake news and improve trust in information systems SDG 11: Supports smart traffic management for safer cities.
Mini Project Title - 29	Deep Neural Networks for Medical Image Segmentation
Justifications	SDG 3: Improves medical diagnosis using accurate image segmentation SDG 9: Applies deep learning to advance healthcare technology.
Mini Project Title - 30	Healthcare (All-in-One Medical Solution Using ML) / Multi-Disease Detection
Justifications	SDG 3: Supports diagnosis and monitoring of multiple diseases SDG 9: Integrates machine learning into comprehensive healthcare systems.
Mini Project Title - 31	Image Colorization with Deep Convolutional Neural Networks
Justifications	SDG 9: Uses deep learning to improve image processing and visual technologies.
Mini Project Title - 32	Chatbot Application using NLP and AIML
Justifications	SDG 9: Applies NLP and AI to build intelligent digital systems SDG 4: Supports learning and information access through chatbots.
Mini Project Title - 33	Mental Health Prediction Using Machine Learning
Justifications	SDG 3: Helps in identifying mental health conditions at an early stage.
Mini Project Title - 34	Parking Lot Space Detection Using Image Processing
Justifications	SDG 11: Supports efficient parking management in urban areas SDG 9: Uses computer vision to improve smart city infrastructure.
Mini Project Title - 35	Adoption of AI-Based Robots in University Education

Justifications	SDG 4: Enhances teaching and learning using AI-based robots SDG 9: Promotes innovation in educational technology.
Mini Project Title - 36	Improving Sentiment Analysis in Social Media
Justifications	SDG 9: Improves NLP techniques for social media analysis SDG 16: Helps understand online behavior and reduce misuse of digital platforms.
Mini Project Title - 37	Stellar Classification Using Machine Learning
Justifications	SDG 9: Supports scientific research and innovation using machine learning.
Mini Project Title - 38	Personality Prediction
Justifications	SDG 3: Helps understand behavioral patterns related to mental well-being SDG 9: Uses data-driven models for intelligent analysis systems.
Mini Project Title - 39	Image Steganography
Justifications	SDG 9: Strengthens data security using advanced image processing SDG 16: Helps protect sensitive information and digital communication.
Mini Project Title - 40	Alzheimer's Disease Prediction Using Machine Learning
Justifications	SDG 3: Supports early detection and management of Alzheimer's disease.
Mini Project Title - 41	Fake Currency Detection Using Deep Learning
Justifications	SDG 16: Helps prevent financial fraud and illegal activities SDG 9: Uses deep learning to improve detection systems.
Mini Project Title - 42	Video Image Deblurring Using Deep Learning
Justifications	SDG 9: Enhances video quality using advanced deep learning techniques.
Mini Project Title - 43	Next Word Prediction
Justifications	SDG 9: Improves language modeling using AI techniques SDG 4: Supports writing and learning tools for education.

Mini Project Title - 44	Grammar Detection and Sentiment Analysis using Viterbi Algorithm
Justifications	SDG 4: Helps improve language skills and learning support SDG 9: Applies advanced algorithms for text analysis.
Mini Project Title - 45	Early Prediction of Chronic Kidney Disease using ML
Justifications	SDG 3: Helps in early diagnosis and better management of kidney disease.
Mini Project Title - 46	Personality Prediction through CV Analysis
Justifications	SDG 3: Supports understanding of behavioral and emotional traits SDG 9: Uses computer vision for intelligent analysis systems.
Mini Project Title - 47	Sign Language Recognition
Justifications	SDG 10: Supports communication for people with hearing disabilities SDG 4: Improves inclusive learning through assistive technology.
Mini Project Title - 48	Emotion-Based Music Recommendation System
Justifications	SDG 3: Supports emotional well-being through music recommendations SDG 9: Uses AI to improve recommendation systems.
Mini Project Title - 49	Loan Prediction Using Machine Learning
Justifications	SDG 8: Supports fair and efficient loan decision-making SDG 9: Applies machine learning to improve financial systems.
Mini Project Title - 50	FAKEDETECTOR: Fake News Detection with Deep Diffusive Neural Network
Justifications	SDG 16: Helps identify false information and improve trust in media SDG 9: Uses advanced neural networks for reliable detection systems.
Mini Project Title - 51	Edge Traffic Flow Detection Using Deep Learning

Justifications	SDG 11: Helps manage traffic efficiently and reduce congestion in cities SDG 9: Uses deep learning to improve intelligent transportation systems.
Mini Project Title - 52	Sentiment Analysis Using Amazon Product Review Data
Justifications	SDG 9: Applies data analytics to improve digital review systems SDG 12: Helps customers make informed purchasing decisions.
Mini Project Title - 53	Image Processing / Wine Quality Prediction
Justifications	SDG 9: Uses machine learning and image processing to improve quality analysis systems.
Mini Project Title - 54	Real-Time Face Mask Detection Using CNN
Justifications	SDG 3: Supports public health by detecting mask compliance SDG 9: Uses CNN models for real-time monitoring systems.
Mini Project Title - 55	Image Denoising and Handwritten Character Recognition Using CNN Autoencoders
Justifications	SDG 4: Improves handwritten text recognition for learning applications SDG 9: Applies advanced deep learning techniques for image processing.
Mini Project Title - 56	Data Duplication Removal / Malware Detection Using Machine Learning
Justifications	SDG 9: Improves data management and system efficiency SDG 16: Helps detect malware and protect digital systems.
Mini Project Title - 57	Barcode Detection Using Image Processing
Justifications	SDG 9: Supports automation and digital identification systems.
Mini Project Title - 58	Handwritten Character Recognition Using CNN

Justifications	SDG 4: Helps in digitizing handwritten educational content SDG 9: Uses CNN models for intelligent text recognition.
Mini Project Title - 59	Burned Calories Prediction Using Machine Learning
Justifications	SDG 3: Supports fitness monitoring and healthy lifestyle management.
Mini Project Title - 60	Time Series Prediction Using LSTM
Justifications	SDG 9: Supports predictive analysis in various industrial and system applications.
Mini Project Title - 61	Fraud Payment Transactions Detection Using Machine Learning
Justifications	SDG 16: Helps prevent financial fraud and ensures secure transactions SDG 9: Uses machine learning to improve financial security systems.
Mini Project Title - 62	Driver Drowsiness Detection System
Justifications	SDG 3: Helps prevent accidents caused by driver fatigue SDG 11: Improves road safety in urban transportation systems.
Mini Project Title - 63	Gender and Age Prediction Using Keras
Justifications	SDG 9: Supports intelligent vision-based analysis systems.
Mini Project Title - 64	Number Plate Detection / Heart Disease Prediction Using ML
Justifications	SDG 11: Supports traffic monitoring and law enforcement systems SDG 3: Helps in early detection of heart disease.
Mini Project Title - 65	Food Delivery Customer Churn Prediction
Justifications	SDG 8: Helps businesses improve customer retention and economic performance SDG 9: Uses machine learning to enhance digital business systems.