



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL - 15
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI & ML)

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)

5CSM-I

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
1.	B22AI001	Machine learning-Driven Technical Insights into High-Impact on Cyber security Breaches and Outages	SDG-9, SDG-16	Dr. Soora Narasimha Reddy
2.	B22AI002	KNN with TF-IDF Based Framework for Text Categorization	SDG-9, SDG-4	Dr. Soora Narasimha Reddy
3.	B22AI003	Exploring The Success and Challenges of Reinforcement Learning	SDG-9	Dr. Soora Narasimha Reddy
4.	B22AI004	Significance of Machine Learning in Healthcare Features, Pillars and Applications	SDG-3	Dr. Soora Narasimha Reddy
5.	B22AI005	Artificial Intelligence in Drones	SDG-9, SDG-11	S. Naga Raju
6.	B22AI006	Portable Assistive Device for Visually Impaired Using Raspberry pi	SDG-10, SDG-3	S. Naga Raju

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
7.	B22AI007	Computer Vision in Smart Agriculture and Precision Farming: Techniques and Applications	SDG-2, SDG-13	S. Naga Raju
8.	B22AI008	The Rise of Cloud Computing	SDG-9	S. Naga Raju
9.	B22AI009	Enhanced Natural Language Interface for web-based Information retrieval	SDG-9, SDG-4	Dr. A. Jothi Prabha
10.	B22AI010	Deep learning and computer vision strategies for automated gene editing with a single-cell electroporation platform	SDG-3	Dr. A. Jothi Prabha
11.	B22AI011	Face Recognition-Based Automatic Attendance System in a Smart Classroom	SDG-4	Dr. A. Jothi Prabha
12.	B22AI012	Leveraging drones for effective Disaster Management	SDG-11, SDG-13	Dr. A. Jothi Prabha
13.	B22AI013	A Systematic Review of Soft Computing Methods Shaping the Future of the Metaverse.	SDG-9	Dr. K. Vinay Kumar
14.	B22AI014	Artificial Intelligence To Deep Learning: Machine Intelligence Approach For Drug Discovery	SDG-3, SDG-9	Dr. K. Vinay Kumar
15.	B22AI015	Beyond Reality: The Pivotal Role of Generative AI in the Metaverse	SDG-9	Dr. K. Vinay Kumar
16.	B22AI016	AI and ML in Supply Chain Management	SDG-8, SDG-9	Dr. K. Vinay Kumar

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
17.	B22AI017		—	Dr. B. Hanumanthu
18.	B22AI018	Introduction to Tiny ML and its role in iot	SDG-9, SDG-11	Dr. B. Hanumanthu
19.	B22AI019	Ethical Hacking and value to Security	SDG-16, SDG-9	Dr. B. Hanumanthu
20.	B22AI020	Deepfake Video Detection: Challenges and opportunities	SDG-9, SDG-16	Dr. B. Hanumanthu
21.	B22AI021	An Introduction to Data Visualization Tools and Techniques in various Domains	SDG-9	I. Sai Rama Krishna
22.	B22AI022	Augmented reality research and applications in education	SDG-4	I. Sai Rama Krishna
23.	B22AI023	Data Science with datamining and Machine Learning	SDG-9	I. Sai Rama Krishna
24.	B22AI024	Google Gemini as a next generation AI educational tool: a review of emerging educational technology	SDG-4	I. Sai Rama Krishna
25.	B22AI025	Identification of Crop disease and Insect Pests based on Deep Learning	SDG-2, SDG-13	Dr. M. Sujatha
26.	B22AI026	Stanley: The Robot that won the Darpa Grand Challenge	SDG-9	Dr. M. Sujatha

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
27.	B22AI027	A Reinforcement Learning Approach for optimal placement of sensors in protected cultivation systems	SDG-2, SDG-13	Dr. M. Sujatha
28.	B22AI028	Artificial intelligence in optical lens design	SDG-9	Dr. M. Sujatha
29.	B22AI029	Autonomous driving in traffic with end-to-end vision-based deep learning	SDG-11, SDG-9	R. Swetha
30.	B22AI030	Orchestration & Deployment using kubernetes	SDG-9	R. Swetha
31.	B22AI031	Improving road safety with ensemble learning: Detecting driver anomalies using vehicle inbuilt cameras	SDG-3, SDG-11	R. Swetha
32.	B22AI032	Role of Artificial Intelligence in Online Education: A Systematic Mapping Study	SDG-4	R. Swetha
33.	B22AI033	Role of AI in health care	SDG-3	E. Rajitha
34.	B22AI034	Blue eyes technology	SDG-9	E. Rajitha
35.	B22AI035	Driving the Future: The Role of IoT in Revolutionizing Electric Vehicles	SDG-7, SDG-11	E. Rajitha
36.	B22AI036	A methodical overview on phishing detection along with an	SDG-16, SDG-9	M.Hithasri

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
		organized way to construct an anti-phising framework		
37.	B22AI037	Design of smart gloves for specially privileged	SDG-10, SDG-3	M.Hithasri
38.	B22AI038	The impact of Machine Learning in Automotive Industry	SDG-9, SDG-11	M.Hithasri
39.	B22AI039	Sentiment Analysis using Natural Language Processing and Machine Learning	SDG-9	D. Haritha
40.	B22AI040	Honeypot Technology	SDG-16	D. Haritha
41.	B22AI041	The Rise and Fall of Cryptocurrencies	SDG-8, SDG-9	D. Haritha
42.	B22AI042	Class attendance system in Education with Deep Learning	SDG-4	V. Prashanthi
43.	B22AI043	Artificial Intelligence in Software Development	SDG-9	V. Prashanthi
44.	B22AI044	A review of application of Machine Learning in water quality evaluation	SDG-6	V. Prashanthi
45.	B22AI045	Review of Machine Learning methods in Soft Robotics	SDG-9	Dr. S. Raghu

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
46.	B22AI046	A systematic review: Deepfake detection	SDG-16, SDG-9	Dr. S. Raghu
47.	B22AI047	Multimodal face recognition	SDG-9, SDG-16	Dr. S. Raghu
48.	B22AI048	Intrusion detection system using AI and Machine Learning Algorithm	SDG-16, SDG-9	B. Ramji
49.	B22AI049		—	B. Ramji
50.	B22AI050	Brain tumor detection and screening using ai techniques	SDG-3	B. Ramji
51.	B22AI051		—	Dr. M. Rajesh
52.	B22AI052	Digital Immortality	SDG-9	Dr. M. Rajesh
53.	B22AI053	Deploying Efficiently Modern Application on cloud	SDG-9	Dr. M. Rajesh
54.	B22AI054	AI in space navigation and mission planning	SDG-9	K. Shiva Kumar
55.	B22AI055	Voice Assistant Using Python and AI	SDG-9, SDG-4	K. Shiva Kumar

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
56.	B22AI056	The Application of AI Technology in Post-Processing of Photography	SDG-9	K. Shiva Kumar
57.	B22AI057	Laser-based safety enhancement for watercraft: integrating detection systems with emergency response teams	SDG-11	V. Ramu
58.	B22AI058	Multimodal Biometric Authentication System	SDG-16, SDG-9	V. Ramu
59.	B22AI059		—	V. Ramu
60.	B22AI060	Laser Based safety enhancement for watercraft: Integrating Detection Systems with Emergency Response Teams	SDG-11	B. Kalyan
61.	B22AI061	Artificial intelligence in construction asset management: a review of present status, challenges and future opportunities	SDG-9, SDG-11	B. Kalyan
62.	B22AI062	An Intent recognition pipeline of conventional AI	SDG-9	B. Kalyan
63.	B22AI063	Credit card fraud detection using ML and Data Science	SDG-16, SDG-8	A. Ramya Kumari
64.	B22AI064	Detecting telecommunication fraud by understanding the content of a call	SDG-16	A. Ramya Kumari

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
65.	B23AI129L	AI Based Fraud Detection In Banking Transactions	SDG-16, SDG-8	A. Ramya Kumari
66.	B23AI130L	Personalized human resource management via hr analytics and artificial intelligence	SDG-8	T. Rajitha
67.	B23AI132L	Deepfake video detection system using deep neural networks	SDG-16, SDG-9	T. Rajitha
68.	B23AI133L	Research on various cryptographic techniques	SDG-16	K. Venkateshwara Rao
69.	B23AI134L	The Impact, Advancements and Applications of Generative AI	SDG-9, SDG-4	K. Venkateshwara Rao
70.	B23AI135L	Personalized human resource management via hr analytics and artificial intelligence	SDG-8	K. Venkateshwara Rao

5CSM-II

Batch No.	Roll Number	Seminar Title	SDGs Addressed	Name of the Supervisor
1.	B22AI065	Deep Reinforcement Learning for Autonomous Driving	SDG-11, SDG-9	Dr. Soora Narasimha Reddy
2.	B22AI066	A Concise Introduction to Reinforcement Learning	SDG-9	Dr. Soora Narasimha Reddy
3.	B22AI067	The Role of Artificial Intelligence in the Development of Digital Era	SDG-9, SDG-8	Dr. Soora Narasimha Reddy
4.	B22AI068	Intrusion Detection System Using AI	SDG-16, SDG-9	Dr. Soora Narasimha Reddy
5.	B22AI069	Intelligent Classification and Personalized Recommendation of E-commerce Products Based on Machine Learning	SDG-8, SDG-9	S. Naga Raju
6.	B22AI070	Brain MRI Analysis for Alzheimer's Disease Diagnosis Using Cnn-Based feature extraction	SDG-3	S. Naga Raju
7.	B22AI071	Machine Learning Algorithms for Improved Product Design User Experience.	SDG-9, SDG-8	S. Naga Raju
8.	B22AI072	WILD ANIMAL DETECTION USING DEEP LEARNING	SDG-15, SDG-13	S. Naga Raju
9.	B22AI073	Automated Detection Of Vehicle Theft And Traffic Signal Violation Using ANPR And OCR	SDG-11, SDG-16	Dr. A. Jothi Prabha
10.	B22AI074	Revolutionizing Agriculture: Machine and deep learning solution for Enhanced Crop Quality and Weed Control	SDG-2, SDG-13	Dr. A. Jothi Prabha

11.	B22AI075	Evaluating the Role of Machine Learning in Defense Applications and Industry	SDG-16, SDG-9	Dr. A. Jothi Prabha
12.	B22AI076	Defense Methodologies Against Advanced Persistent Threats	SDG-16, SDG-9	Dr. A. Jothi Prabha
13.	B22AI077	Metaverse	SDG-9	Dr. K. Vinay Kumar
14.	B22AI078	EFFICIENTNET: RETHINKING MODEL SCALING FOR CONVOLUTIONAL NEURAL NETWORKS	SDG-9	Dr. K. Vinay Kumar
15.	B22AI080	"Photorealistic Text-to-	SDG-9, SDG-4	Dr. K. Vinay Kumar
16.	B22AI081	Image Diffusion Models with Deep Language Understanding (IMAGEN)"	SDG-9	Dr. B. Hanumanthu
17.	B22AI082	Groundwater level predictions using machine learning	SDG-6, SDG-13	Dr. B. Hanumanthu
18.	B22AI083	Machine learning algorithms to enhance IoT system security	SDG-16, SDG-9	Dr. B. Hanumanthu
19.	B22AI084	The Detection of Neovascularization in Fundus Images Using Transfer Learning	SDG-3	Dr. B. Hanumanthu
20.	B22AI085	FACE RECOGNITION-BASED AUTOMATIC ATTENDANCE SYSTEM IN SMART CLASSROOM	SDG-4	I. Sai Rama Krishna
21.	B22AI086	Medicinal Plants Identification Using Federated Deep Learning	SDG-3, SDG-15	I. Sai Rama Krishna

22.	B22AI087	Elon Musk's Neuralink Brain Chip: A Review on Brain-Reading' Device	SDG-3, SDG-9	I. Sai Rama Krishna
23.	B22AI088	Computer vision based deep learning approach for toxic and harmful substances detection in fruits	SDG-3, SDG-2	I. Sai Rama Krishna
24.	B22AI089	Robotic process automation: A scientific and industrial systematic mapping study	SDG-9, SDG-8	Dr. M. Sujatha
25.	B22AI090	Computer-Aided diagnosis system using hybrid CNN-Transformer Architecture	SDG-3	Dr. M. Sujatha
26.	B22AI091	CYBER INTELLIGENCE AND OSINT: DEVELOPING MITIGATION TECHNIQUES AGAINST CYBERCRIME THREATS	SDG-16	Dr. M. Sujatha
27.	B22AI092	EXPENSE TRACKER APPLICATION	SDG-8	Dr. M. Sujatha
28.	B22AI093	IOT-BASED REAL-TIME OBJECT DETECTION SYSTEM FOR CROP PROTECTION AND AGRICULTURE FIELD SECURITY	SDG-2, SDG-13	R. Swetha
29.	B22AI094	Unsupervised Learning-Based Plant Pipeline Leak Detection Using Frequency Spectrum Feature Extraction and Transfer Learning	SDG-9, SDG-6	R. Swetha
30.	B22AI095	Satellite image based animal identification system using deep learning assisted remote sensing strategy	SDG-15	R. Swetha
31.	B22AI096	INNOVATIONS IN STROKE IDENTIFICATION	SDG-3	E. Rajitha
32.	B22AI097	AR and VR Recent Development in Education	SDG-4	E. Rajitha

33.	B22AI098	IOT-BASED SMART LUGGAGE SYSTEM	SDG-9	E. Rajitha
34.	B22AI099	Determining digital vulnerability based on an online prsence	SDG-16	M.Hithasri
35.	B22AI100	Novel Parking Management Sysytem for Smart cities	SDG-11	M.Hithasri
36.	B22AI101	End-to-End Machine learning lifecycle management for Healthcare	SDG-3, SDG-9	M.Hithasri
37.	B22AI102	IoT Based Coal Mine Safety Monitoring and Control Automation	SDG-3, SDG-8	D. Haritha
38.	B22AI103	Sign Language Recognition using Machine Learning	SDG-10, SDG-4	D. Haritha
39.	B22AI104	UPI Fraud Detection using Machine Learning	SDG-16, SDG-8	D. Haritha
40.	B22AI105	Music Recommendation Based On Face Emotion Recognition	SDG-3	V. Prashanthi
41.	B22AI106	IoT Based Health Monitoring System	SDG-3	V. Prashanthi
42.	B22AI107	Ai integrated traffic information system	SDG-11	V. Prashanthi
43.	B22AI108	Artificial Intelligence Gymnasium with AI-Personal Trainer with Wellness and Fitness Guidance	SDG-3	Dr. S. Raghu

44.	B22AI109	Plant disease classification using Machine learning	SDG-2, SDG-13	Dr. S. Raghu
45.	B22AI110	Explainable AI	SDG-9	Dr. S. Raghu
46.	B22AI111	Digital Twin : Enabling Technologies & Challenges	SDG-9	B. Ramji
47.	B22AI112	IOT BASED RAILWAY TRACK FAULTS DETECTION AND LOCALIZATION USING ACOUSTIC ANALYSIS	SDG-9, SDG-11	B. Ramji
48.	B22AI113	IoT based Health care for Diagnosis of Heart diseases	SDG-3	B. Ramji
49.	B22AI114	Prediction of crop using Machine Learning	SDG-2, SDG-13	Dr. M. Rajesh
50.	B22AI115	Advanced Machine Learning and Deep Learning	SDG-9	Dr. M. Rajesh
51.	B22AI116	Techniques for Enhanced Credit Card Fraud Detection	SDG-16, SDG-8	Dr. M. Rajesh
52.	B22AI117	"A Novel Software Engineering Approach Using Machine Learning for Improving the Efficiency of Health Systems"	SDG-3, SDG-9	K. Shiva Kumar
53.	B22AI118	Machine Learning Based Prediction of Covid-19 Diagnosis	SDG-3	K. Shiva Kumar
54.	B22AI119	OPEN-3DSIM: AN OPEN-SOURCE THREE-DIMENSIONAL STRUCTURED ILLUMINATION MICROSCOPY RECONSTRUCTION PLATFORM	SDG-3, SDG-9	K. Shiva Kumar

55.	B22AI120	A decentralized voting system using Blockchain	SDG-16	V. Ramu
56.	B22AI121	Automated DNN Optimizations for 6G	SDG-9	V. Ramu
57.	B22AI122	Machine Intelligence approach for drug discovery	SDG-3, SDG-9	V. Ramu
58.	B22AI123	Text classification using KNN	SDG-9, SDG-4	B. Kalyan
59.	B22AI124	voice controlled home automation system	SDG-11, SDG-9	B. Kalyan
60.	B22AI125	BlueEyes Technology	SDG-9	B. Kalyan
61.	B22AI127	Intelligent Fault Diagnosis System for Automobiles using AI	SDG-9, SDG-11	A. Ramya Kumari
62.	B22AI128	Improving virtual machine migration in cloud computing	SDG-9	A. Ramya Kumari
63.	B23AI136L	ARTIFICIAL INTELLIGENCE IN MILITARY APPLICATIONS- OPPURTUNITIES AND CHALLENGES	SDG-16, SDG-9	T. Rajitha
64.	B23AI137L	Flight fare prediction using machine learning	SDG-8, SDG-9	T. Rajitha
65.	B23AI138L	SMART TRAFFIC MANAGEMENT SYSTEM USING IOT	SDG-11, SDG-9	T. Rajitha

66.	B23AI139L	Holographic interface management in the age of artificial intelligence	SDG-9	K. Venkateshwara Rao
67.	B23AI140L	IMAGE CLASSIFICATION USING CNN ON CIFAR10 DATASET	SDG-9	K. Venkateshwara Rao
68.	B23AI141L	A machine Learning and computer vision approach to geomagnetic storm forecasting	SDG-13, SDG-9	K. Venkateshwara Rao

Justification: Student Projects Linked to SDGs

SDG-3: Good Health and Well-Being

The following projects focus on healthcare diagnostics, medical imaging, disease prediction, and wellness systems:

- *Significance of Machine Learning in Healthcare: Features, Pillars and Applications*
- *Brain MRI Analysis for Alzheimer's Disease Diagnosis Using CNN-Based Feature Extraction*
- *Brain Tumor Detection and Screening using AI Techniques*
- *Machine Learning Based Prediction of Covid-19 Diagnosis*
- *IoT Based Health Monitoring System*
- *IoT based Health Care for Diagnosis of Heart Diseases*
- *Machine Intelligence Approach for Drug Discovery*
- *Computer-Aided Diagnosis System using Hybrid CNN-Transformer Architecture*
- *AI Integrated Traffic Information System (Road Safety Aspect)*
- *Artificial Intelligence Gymnasium with AI-Personal Trainer*

Justification:

These projects contribute to early disease detection, improved diagnostics, digital health monitoring, and preventive healthcare systems, directly supporting SDG-3.

SDG-4: Quality Education

Projects enhancing digital and smart education systems include:

- *Face Recognition-Based Automatic Attendance System in a Smart Classroom*
- *Class Attendance System in Education with Deep Learning*
- *Role of Artificial Intelligence in Online Education: A Systematic Mapping Study*
- *Augmented Reality Research and Applications in Education*
- *Google Gemini as a Next Generation AI Educational Tool*

- *Text Classification using KNN*
- *Voice Assistant Using Python and AI*

Justification:

These projects promote smart classrooms, personalized learning, AI-assisted teaching tools, and accessible digital education, contributing to inclusive and technology-driven education systems.

SDG-2: Zero Hunger & SDG-13: Climate Action

Agriculture and environmental sustainability projects include:

- *Computer Vision in Smart Agriculture and Precision Farming*
- *Identification of Crop Disease and Insect Pests based on Deep Learning*
- *Revolutionizing Agriculture: ML Solutions for Enhanced Crop Quality and Weed Control*
- *Prediction of Crop using Machine Learning*
- *Plant Disease Classification using Machine Learning*
- *IoT-Based Real-Time Object Detection System for Crop Protection*
- *Groundwater Level Predictions using Machine Learning*

Justification:

These projects enhance agricultural productivity, reduce crop loss, monitor environmental conditions, and promote sustainable farming practices aligned with SDG-2 and SDG-13.

SDG-6: Clean Water and Sanitation

- *A Review of Application of Machine Learning in Water Quality Evaluation*
- *Groundwater Level Predictions using Machine Learning*
- *Plant Pipeline Leak Detection using Transfer Learning*

Justification:

These works apply AI techniques to monitor water quality and water resources, supporting sustainable water management.

SDG-8: Decent Work and Economic Growth

Projects focusing on financial systems, HR analytics, and economic innovation include:

- *AI and ML in Supply Chain Management*
- *Personalized Human Resource Management via HR Analytics and AI*
- *Credit Card Fraud Detection using ML and Data Science*
- *UPI Fraud Detection using Machine Learning*
- *Expense Tracker Application*
- *Intelligent Classification and Personalized Recommendation of E-commerce Products*
- *Flight Fare Prediction using Machine Learning*

Justification:

These projects strengthen financial systems, improve operational efficiency, and promote digital economic growth.

SDG-9: Industry, Innovation, and Infrastructure

A majority of projects promote technological innovation:

- *Machine Learning-Driven Technical Insights into Cybersecurity Breaches*
- *Exploring the Success and Challenges of Reinforcement Learning*
- *Artificial Intelligence in Drones*
- *Deep Reinforcement Learning for Autonomous Driving*
- *Autonomous Driving in Traffic with End-to-End Vision-Based Deep Learning*
- *Orchestration & Deployment using Kubernetes*
- *Digital Twin: Enabling Technologies & Challenges*
- *Automated DNN Optimizations for 6G*
- *Artificial Intelligence in Construction Asset Management*
- *Image Classification using CNN on CIFAR-10 Dataset*

Justification:

These projects foster research, innovation, digital infrastructure, automation, and industrial modernization aligned with SDG-9.

SDG-10: Reduced Inequalities

- *Portable Assistive Device for Visually Impaired using Raspberry Pi*
- *Sign Language Recognition using Machine Learning*

- *Design of Smart Gloves for Specially Privileged*

Justification:

These technologies enhance accessibility and inclusivity for differently-abled individuals.

SDG-11: Sustainable Cities and Communities

- *Deep Reinforcement Learning for Autonomous Driving*
- *Novel Parking Management System for Smart Cities*
- *Smart Traffic Management System using IoT*
- *Laser-Based Safety Enhancement for Watercraft*
- *IoT Based Railway Track Fault Detection*
- *Driving the Future: IoT in Electric Vehicles*

Justification:

These projects promote intelligent transportation, road safety, smart mobility, and sustainable infrastructure.

SDG-15: Life on Land

- *Wild Animal Detection using Deep Learning*
- *Medicinal Plants Identification using Federated Deep Learning*
- *Satellite Image-Based Animal Identification System*

Justification:

These projects contribute to biodiversity monitoring and environmental conservation.

SDG-16: Peace, Justice, and Strong Institutions

Cybersecurity and governance-related projects include:

- *Intrusion Detection System using AI*
- *Ethical Hacking and Value to Security*
- *Deepfake Video Detection*
- *Multimodal Biometric Authentication System*
- *A Decentralized Voting System using Blockchain*

- *Cyber Intelligence and OSINT*
- *Phishing Detection Framework*
- *AI Based Fraud Detection in Banking Transactions*

Justification:

These works enhance digital security, fraud prevention, transparency, and trustworthy governance systems.

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)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI&ML)

SDG Mapping with Seminars

Academic Year: CAY-1: 2023-24

CAY 2023-24 (As per NBA)

Batch: 5 CSM

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
1	B21AI001	NUKALA HARSHINI REDDY	Brain tumour detection and screening using artificial intelligence techniques: Current trends and future perspectives	SDG-3: Good Health and Well-being; SDG-9: Industry, Innovation and Infrastructure	Dr. V.Shankar
2	B21AI002	MADDALA HIMA SHANKAR NARAYANA	Role of Data Science in Reshaping the Business Sectors: Opportunities and Challenges for India	SDG-8: Decent Work and Economic Growth; SDG-9: Industry, Innovation and Infrastructure	Dr. V.Shankar
3	B21AI003	MAMINDLAPELLI SANJANA	AI drug discovery: unleashing the power of machine learning	SDG-3: Good Health and Well-being; SDG-9: Industry, Innovation and	E. Rajitha

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
				Infrastructure	
4	B21AI004	JANNU SRUJAN	Virtual Reality-History, Applications and Technology	SDG-9: Industry, Innovation and Infrastructure; SDG-4: Quality Education	E. Rajitha
5	B21AI005	DIVVELA SUKRUTH	Key Encoder: A secure and usable EEG-based cryptographic key generation mechanism	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	Dr. S.Narasimha Reddy
6	B21AI006	CHINNALA SAI VIGNESH	Computer vision-based prototype robotic picking cum grading system for fruits	SDG-2: Zero Hunger; SDG-9: Industry, Innovation and Infrastructure	Dr.S.Narasimha Reddy
7	B21AI007	CHAITANYA AKKINAPPELLI	TrueImage: A Machine Learning Algorithm to Improve the Quality of Telehealth Photos	SDG-3: Good Health and Well-being; SDG-9: Industry, Innovation and Infrastructure	Md.Safiya
8	B21AI008	KODUGANTI RAGHUVeer	Semi-Supervised and Long-Tailed Object Detection with Cascade Match	SDG-9: Industry, Innovation and Infrastructure	Md.Safiya

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
9	B21AI009	THAKKALLAPALLY HARITHA	Frequent temporal patterns of physiological and biological biomarkers and their evolution in sepsis	SDG-3: Good Health and Well-being	B.Srinivas
10	B21AI010	PEDDAPALLY RAHUL	Density-based one-shot active learning for image segmentation	SDG-9: Industry, Innovation and Infrastructure	B.Srinivas
11	B21AI011	PORALLA SHASHIKANTH	Securing the light escaping in a Li-Fi network environment	SDG-9: Industry, Innovation and Infrastructure; SDG-16: Peace, Justice and Strong Institutions	T.Shruthi
12	B21AI012	PILLALAMARRI KOMALI	Smart cities for sustainability - An analytical perspective	SDG-11: Sustainable Cities and Communities ; SDG-13: Climate Action; SDG-9: Industry, Innovation and Infrastructure	T.Shruthi
13	B21AI013	PAPPU VENKATA SESA SAI RAM	A Novel Geometrical Scale and Rotation Independent Feature Extraction Technique for Multi-lingual Character Recognition	SDG-4: Quality Education; SDG-9: Industry, Innovation and Infrastructure	Dr. B.Hanumanthu

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
14	B21AI015	PULLURI SRIMUKHI	Crime Prediction Using Machine Learning and Deep Learning: A Systematic Review and Future Directions	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	Dr.B.Hanumanthu
15	B21AI016	REDDY RUPASRI BHAVANA	Enhancing a Neurocognitive Shared Visuomotor Model for Object Identification, Localization, and Grasping with Learning From Auxiliary Tasks	SDG-3: Good Health and Well-Being; SDG-9: Industry, Innovation and Infrastructure	D.Haritha
16	B21AI017	GARIDEPALLI BHANU PRAKASH	Smart Voting System Through Face Recognition	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	D.Haritha
17	B21AI018	NARUGULA SOHAN SAI KUMAR	A machine learning-based decision support system for temporal human cognitive state estimation during online education using wearable physiological monitoring devices	SDG-4: Quality Education; SDG-3: Good Health and Well-Being	I.Sai Rama Krishna

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
18	B21AI019	VADNALA NAGENDRA	Keep around, drop, or revise? exploring what becomes of difficult ties in personal networks	SDG-10: Reduced Inequalities; SDG-16: Peace, Justice and Strong Institutions	I.Sai Rama Krishna
19	B21AI020	KATTA LENIN BALAJI	Deep learning-based computer vision approaches for smart agricultural applications	SDG-2: Zero Hunger; SDG-9: Industry, Innovation and Infrastructure	V.Prashanthi
20	B21AI021	GANDLA KUNDANIKA	Text to image generation using Textual inversion	SDG-9: Industry, Innovation and Infrastructure; SDG-4: Quality Education	V.Prashanthi
21	B21AI022	POLAKONDA SRIHARINI	Machine Learning for Intelligent Data Analysis and Automation in Cybersecurity: Current and Future Prospects	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	Dr. V. Swathy
22	B21AI023	KANNAVENI SRUJAN KUMAR	Phishing attack detection using Machine Learning	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	Dr. V. Swathy

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
23	B21AI024	KOMURAVELLI RAKSHITHA	IoT, big data and artificial intelligence in agriculture and food industry	SDG-2: Zero Hunger; SDG-9: Industry, Innovation and Infrastructure	Dr.S.Raghu
24	B21AI025	MEDISETTI VARSHA	Recent Developments in Detection of Central Serous Retinopathy Through Imaging and Artificial Intelligence Techniques – A Review	SDG-3: Good Health and Well-Being; SDG-9: Industry, Innovation and Infrastructure	Dr.S.Raghu
25	B21AI026	APPANI TEJASWINI	Robotic Process Automation: A Scientific and Industrial Systematic Mapping Study	SDG-8: Decent Work and Economic Growth; SDG-9: Industry, Innovation and Infrastructure	Dr. Kumar Dorthi
26	B21AI027	BANDA BILVANI	Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts	SDG-7: Affordable and Clean Energy; SDG-13: Climate Action; SDG-9: Industry, Innovation and Infrastructure	Dr.Kumar Dorthi
27	B21AI028	MAMIDI SAIMANISH	An Adaptive-Learning-Based Generative Adversarial	SDG-9: Industry, Innovation and	Ch. Jayanth Babu

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
			Network for One-to-One Voice Conversion	Infrastructure; SDG-4: Quality Education	
28	B21AI029	MUSKULA SHARANYA	Crop diseases and insect pest identification based on Deep Learning Models	SDG-2: Zero Hunger; SDG-9: Industry, Innovation and Infrastructure	Ch. Jayanth Babu
29	B21AI030	KANDIMALLA SATHVIKA	Removal of space junk using Artificial neural networks	SDG-9: Industry, Innovation and Infrastructure; SDG-11: Sustainable Cities and Communities	Dr.S.Kiran
30	B21AI031	AKULA YASHASWI	Analyzing the Performance of Machine Learning Techniques in Cardiac Disease Prediction	SDG-3: Good Health and Well-Being; SDG-9: Industry, Innovation and Infrastructure	Dr.S.Kiran
31	B21AI032	AKHILA ARUKALA	Machine learning in weather prediction and climate analyses- Applications and prospective	SDG-13: Climate Action; SDG-9: Industry, Innovation and Infrastructure	K.Ravikanth
32	B21AI033	VANGALA SRIVATSA	Enhancing Rover Teleoperation on the Moon with Proprioceptive Sensors and Machine Learning	SDG-9: Industry, Innovation and Infrastructure	K.Ravikanth

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
			Techniques		
33	B21AI034	RAKESH MAMIDI	An Improved Design for a Cloud Intrusion Detection System Using Hybrid Features Selection Approach with ML Classifier	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	R.Swetha
34	B21AI035	NARRA JAGADISWARA REDDY	Automated real estate valuation with machine learning models using property descriptions	SDG-8: Decent Work and Economic Growth; SDG-9: Industry, Innovation and Infrastructure	R.Swetha
35	B21AI036	GUNDLURU PRANAY REDDY	Evaluating expressway traffic crash severity by using logistic regression and explainable & supervised machine learning classifiers	SDG-11: Sustainable Cities and Communities ; SDG-3: Good Health and Well-Being	K. Shruthi
36	B21AI037	CHANDA AASHRITHA	Audio-Processing-Based Human Detection with Unmanned Aerial Vehicle	SDG-11: Sustainable Cities and Communities ; SDG-9: Industry, Innovation and Infrastructure	K.Shruthi

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
37	B21AI038	POLA LOKESH	Credit Card Fraud Detection Using State-of-the-Art Machine Learning and Deep Learning Algorithms	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	D.Ramesh
38	B21AI039	BALGURI SRI CHAITHRA	Thermal Imaging using Machine Learning	SDG-3: Good Health and Well-Being; SDG-9: Industry, Innovation and Infrastructure	D.Ramesh
39	B21AI040	VARRE MADHURI	An intelligent wireless transmission towards 6G	SDG-9: Industry, Innovation and Infrastructure	M.Susmitha
40	B21AI041	BADA SANNIHITHA	Robotic arm with BioT Machine Learning System	SDG-9: Industry, Innovation and Infrastructure; SDG-3: Good Health and Well-Being	M.Susmitha
41	B21AI042	ENABOTHULA SHESHU	Helmet Detection and Number Plate Recognition	SDG-11: Sustainable Cities and Communities ; SDG-3: Good Health and Well-Being	M.Hithasri

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
42	B21AI043	TAILAM MRINALINI	5G technology for healthcare: Features, serviceable pillars, and applications	SDG-3: Good Health and Well-Being; SDG-9: Industry, Innovation and Infrastructure	M.Hithasri
43	B21AI044	MASKANI NITHYASRI	Internet of Things Expert System for Smart Cities Using the Blockchain Technology	SDG-11: Sustainable Cities and Communities ; SDG-9: Industry, Innovation and Infrastructure	Dr.P.Suma
44	B21AI045	KHAJA GHAYAS UDDIN	Prediction of EV Charging Behaviour Using Machine Learning	SDG-7: Affordable and Clean Energy; SDG-13: Climate Action	Dr.P.Suma
45	B21AI046	VARUN BODDULA	Construct Food Safety Traceability System for People's Health Under the Internet of Things and Big Data	SDG-3: Good Health and Well-Being; SDG-12: Responsible Consumption and Production	E.Vishnu Priya Reddy
46	B21AI047	TAILAM MRINDINI	An end-to-end pollution analysis and detection system using artificial intelligence and object detection algorithms	SDG-13: Climate Action; SDG-11: Sustainable Cities and Communities	M.Priyadarshini

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
47	B21AI048	NALLELA SADWIKKA	Agricultural process data as a source for knowledge: Perspective on artificial intelligence	SDG-2: Zero Hunger; SDG-9: Industry, Innovation and Infrastructure	P.Priyanka
48	B21AI049	YASMEEN SHAHANA	Artificial Intelligence Crime: An Overview of Malicious Use and Abuse of AI	SDG-16: Peace, Justice and Strong Institutions	P.Priyanka
49	B21AI050	MUKKU KAVYASREE	Explainable Artificial Intelligence Applications in Cyber Security: State-of-the-Art in Research	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	Dr.A.Kiran mayee
50	B21AI051	MOHAMMED UMAIR	Application of artificial intelligence in modelling and optimization of laser beam machining	SDG-9: Industry, Innovation and Infrastructure	Dr.A.Kiran Mayee
51	B21AI052	BALNE VYSHNAVI	A Smart Traffic Control System Based on Pixel- Labelling and SORT Tracker	SDG-11: Sustainable Cities and Communities ; SDG-9: Industry, Innovation and Infrastructure	B.Ramji
52	B21AI053	GUGULOTHU SIMRANI	A Machine learning model for improving virtual machine	SDG-9: Industry, Innovation and	B.Ramji

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
			migration in cloud computing	Infrastructure	
53	B21AI054	GARNEPALLI RAHUL	Fire images classification based on a handcraft approach	SDG-13: Climate Action; SDG-11: Sustainable Cities and Communities	S.Divya
54	B21AI055	GUGULOTH NIKHITHA	Machine Learning for a Sustainable energy future	SDG-7: Affordable and Clean Energy; SDG-13: Climate Action	S.Divya
55	B21AI056	BONAGIRI SRIVIDYA	A Machine Learning Approach for the NLP based Analysis of Cyber Threats and Vulnerabilities of the Healthcare Ecosystem	SDG-3: Good Health and Well-Being; SDG-16: Peace, Justice and Strong Institutions	V.Srinivas
56	B21AI057	G VENKATA NARSIMHA SREEKAR	Development of an obstacle avoiding autonomous vehicle by using stereo depth estimation and artificial intelligence based semantic segmentation	SDG-11: Sustainable Cities and Communities ; SDG-9: Industry, Innovation and Infrastructure	V.Srinivas
57	B21AI058	GAMPALA SHIVASAI	Comparative Analysis Study for Air Quality Prediction in Smart Cities Using Regression Techniques	SDG-11: Sustainable Cities and Communities ; SDG-13: Climate Action	Dr.A.Jothi Prabha

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
58	B21AI059	GOLI TANUJA	Big Data: An optimized approach for cluster initialization	SDG-9: Industry, Innovation and Infrastructure	Dr.A.Jothi Prabha
59	B21AI060	RAKKIREDDY RAGHAVENDER REDDY	Study and Analysis of Chat GPT and its Impact on Different Fields of Study	SDG-4: Quality Education; SDG-9: Industry, Innovation and Infrastructure	M.Shirisha
60	B21AI061	JUPAKA BHANU PRASAD	Deep Learning for the Internet of Things with Edge Computing	SDG-9: Industry, Innovation and Infrastructure	M.Shirisha
61	B21AI062	ALUMAKANTI RUCHITHA	Classification of heart disease using artificial neural network	SDG-3: Good Health and Well-Being; SDG-9: Industry, Innovation and Infrastructure	Dr.A.Godavari
62	B21AI063	KOTA DIVYA SRI	Integrating Machine Learning Algorithms for Online Fraud Detection	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	Dr. A. Godavari
63	B21AI064	ESAMPELly AKHILA	Intelligent edge computing based on machine learning for smart city	SDG-11: Sustainable Cities and Communities ; SDG-9:	V. Srinivas

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
				Industry, Innovation and Infrastructure	
64	B21AI065	BONKURI RAHUL	Detecting telecommunication fraud by understanding the contents of a cell	SDG-16: Peace, Justice and Strong Institutions; SDG-9: Industry, Innovation and Infrastructure	V. Srinivas
65	B22AI066L	HUMERA SULTANA	Audio-Based Machine Learning for Traffic Congestion Detection	SDG-11: Sustainable Cities and Communities ; SDG-9: Industry, Innovation and Infrastructure	T. Anusha
66	B22AI067L	KOTTE SOWMYA	Machine learning on management healthcare and agricultural	SDG-3: Good Health and Well-Being; SDG-2: Zero Hunger	T. Anusha
67	B22AI068L	DARAVATHU HARIKA	A systematic analysis of machine learning and deep learning-based approaches for identifying and diagnosing plant diseases	SDG-2: Zero Hunger; SDG-9: Industry, Innovation and Infrastructure	M. Shirisha
68	B22AI069L	RAPAKA SWETHA	Brain-Inspired Remote Sensing Interpretation: A Comprehensive Survey	SDG-9: Industry, Innovation and Infrastructure	M. Shirisha

S.No	Roll No	Name	Topic for Seminar	SDGs Mapping	Mentor
69	B22AI070L	CHANDRAGIRI GANESH	A Study on Role of Artificial Intelligence to Improve Inventory Management System	SDG-8: Decent Work and Economic Growth; SDG-9: Industry, Innovation and Infrastructure	K.Shirisha
70	B22AI071L	ELLANDULA AJAY	Detecting deception using machine learning with facial expressions and pulse rate	SDG-16: Peace, Justice and Strong Institutions	K.Shirisha

S.No	Topic for 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
1	Brain tumour detection and screening using artificial intelligence techniques: Current trends and future perspectives	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
2	Role of Data Science in Reshaping the Business Sectors: Opportunities and Challenges for India	–	–	–	–	–	–	–	3	2	–	–	–	–	–	–	–	–
3	AI drug discovery: unleashing the power of machine learning	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
4	Virtual Reality-History, Applications and Technology	–	–	–	3	–	–	–	–	2	–	–	–	–	–	–	–	–
5	Key Encoder: A secure and usable EEG-based cryptographic key generation mechanism	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
6	Computer vision-based prototype robotic picking cum grading system for fruits	–	3	–	–	–	–	–	–	2	–	–	–	–	–	2	–	–
7	TrueImage: A Machine Learning Algorithm to Improve the Quality of Telehealth Photos	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
8	Semi-Supervised and Long-Tailed Object	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–

S.No	Topic for 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
	Detection with Cascade Match																	
9	Frequent temporal patterns of physiological and biological biomarkers and their evolution in sepsis	–	–	3	–	–	–	–	–	1	–	–	–	–	–	–	–	–
10	Density-based one-shot active learning for image segmentation	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
11	Securing the light escaping in a Li-Fi network environment	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	2	–
12	Smart cities for sustainability - An analytical perspective	–	–	–	–	–	–	–	–	2	–	3	–	2	–	–	–	–
13	A Novel Geometrical Scale and Rotation Independent Feature Extraction Technique for Multi-lingual Character Recognition	–	–	–	3	–	–	–	–	2	–	–	–	–	–	–	–	–
14	Crime Prediction Using Machine Learning and Deep Learning: A Systematic Review and Future Directions	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–

S.No	Topic for 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
15	Enhancing a Neurocognitive Shared Visuomotor Model for Object Identification, Localization, and Grasping with Learning From Auxiliary Tasks	–	–	2	–	–	–	–	–	2	–	–	–	–	–	–	–	–
16	Smart Voting System Through Face Recognition	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
17	A machine learning-based decision support system for temporal human cognitive state estimation during online education using wearable physiological monitoring devices	–	–	2	3	–	–	–	–	1	–	–	–	–	–	–	–	–
18	Keep around, drop, or revise? exploring what becomes of difficulties in personal networks	–	–	–	–	–	–	–	–	–	3	–	–	–	–	–	2	–
19	Deep learning-based computer vision approaches for smart agricultural applications	–	3	–	–	–	–	–	–	2	–	–	–	–	–	2	–	–
20	Text to image generation using Textual inversion	–	–	–	2	–	–	–	–	3	–	–	–	–	–	–	–	–

S.No	Topic for 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
21	Machine Learning for Intelligent Data Analysis and Automation in Cybersecurity: Current and Future Prospects	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
22	Phishing attack detection using Machine Learning	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
23	IoT, big data and artificial intelligence in agriculture and food industry	–	3	–	–	–	–	–	–	2	–	–	–	–	–	2	–	–
24	Recent Developments in Detection of Central Serous Retinopathy Through Imaging and Artificial Intelligence Techniques—A Review	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
25	Robotic Process Automation: A Scientific and Industrial Systematic Mapping Study	–	–	–	–	–	–	–	3	2	–	–	–	–	–	–	–	–
26	Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts	–	–	–	–	–	–	3	–	2	–	–	–	2	–	–	–	–

S.No	Topic for 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
27	An Adaptive-Learning-Based Generative Adversarial Network for One-to-One Voice Conversion	–	–	–	2	–	–	–	–	3	–	–	–	–	–	–	–	–
28	Crop diseases and insect pest identification based on Deep Learning Models	–	3	–	–	–	–	–	–	2	–	–	–	–	–	2	–	–
29	Removal of space junk using Artificial neural networks	–	–	–	–	–	–	–	–	3	–	2	–	–	–	–	–	–
30	Analyzing the Performance of Machine Learning Techniques in Cardiac Disease Prediction	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
31	Machine learning in weather prediction and climate analyses- Applications and prospective	–	–	–	–	–	–	–	–	2	–	–	–	3	–	–	–	–
32	Enhancing Rover Teleoperation on the Moon with Proprioceptive Sensors and Machine Learning Techniques	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–

S.No	Topic for 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
33	An Improved Design for a Cloud Intrusion Detection System Using Hybrid Features Selection Approach with ML Classifier	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
34	Automated real estate valuation with machine learning models using property descriptions	–	–	–	–	–	–	–	3	2	–	–	–	–	–	–	–	–
35	Evaluating expressway traffic crash severity by using logistic regression and explainable & supervised machine learning classifiers	–	–	2	–	–	–	–	–	–	–	3	–	–	–	–	–	–
36	Audio-Processing-Based Human Detection with Unmanned Aerial Vehicle	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–	–	–
37	Credit Card Fraud Detection Using State-of-the-Art Machine Learning and Deep Learning Algorithms	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
38	Thermal Imaging using Machine Learning	–	–	2	–	–	–	–	–	2	–	–	–	–	–	–	–	–
39	An intelligent wireless transmission towards	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–

S.No	Topic for 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
	6G																	
40	Robotic arm with BioT Machine Learning System	–	–	2	–	–	–	–	–	3	–	–	–	–	–	–	–	–
41	Helmet Detection and Number Plate Recognition	–	–	2	–	–	–	–	–	–	–	3	–	–	–	–	–	–
42	5G technology for healthcare: Features, serviceable pillars, and applications	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
43	Internet of Things Expert System for Smart Cities Using the Blockchain Technology	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–	–	–
44	Prediction of EV Charging Behaviour Using Machine Learning	–	–	–	–	–	–	3	–	–	–	–	–	2	–	–	–	–
45	Construct Food Safety Traceability System for People's Health Under the Internet of Things and Big Data	–	–	2	–	–	–	–	–	–	–	–	3	–	–	–	–	–
46	An end-to-end pollution analysis and detection system using artificial intelligence and object detection algorithms	–	–	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–

S.No	Topic for 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
47	Agricultural process data as a source for knowledge: Perspective on artificial intelligence	–	3	–	–	–	–	–	–	2	–	–	–	–	–	2	–	–
48	Artificial Intelligence Crime: An Overview of Malicious Use and Abuse of AI	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	–
49	Explainable Artificial Intelligence Applications in Cyber Security: State-of-the-Art in Research	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
50	Application of artificial intelligence in modelling and optimization of laser beam machining	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
51	A Smart Traffic Control System Based on Pixel- Labelling and SORT Tracker	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–	–	–
52	A Machine learning model for improving virtual machine migration in cloud computing	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
53	Fire images classification based on a handcraft approach	–	–	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–

S.No	Topic for 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
54	Machine Learning for a Sustainable energy future	–	–	–	–	–	–	3	–	–	–	–	–	2	–	–	–	–
55	A Machine Learning Approach for the NLP based Analysis of Cyber Threats and Vulnerabilities of the Healthcare Ecosystem	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	3	–
56	Development of an obstacle avoiding autonomous vehicle by using stereo depth estimation and artificial intelligence based semantic segmentation	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–	–	–
57	Comparative Analysis Study for Air Quality Prediction in Smart Cities Using Regression Techniques	–	–	–	–	–	–	–	–	–	–	3	–	2	–	–	–	–
58	Big Data: An optimized approach for cluster initialization	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–
59	Study and Analysis of Chat GPT and its Impact on Different Fields of Study	–	–	–	3	–	–	–	–	2	–	–	–	–	–	–	–	–
60	Deep Learning for the Internet of Things with Edge Computing	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–

S.No	Topic for 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
61	Classification of heart disease using artificial neural network	–	–	3	–	–	–	–	–	2	–	–	–	–	–	–	–	–
62	Integrating Machine Learning Algorithms for Online Fraud Detection	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
63	Intelligent edge computing based on machine learning for smart city	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–	–	–
64	Detecting telecommunication fraud by understanding the contents of a cell	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	3	–
65	Audio-Based Machine Learning for Traffic Congestion Detection	–	–	–	–	–	–	–	–	2	–	3	–	–	–	–	–	–
66	Machine learning on management healthcare and agricultural	–	2	2	–	–	–	–	–	1	–	–	–	–	–	–	–	–
67	A systematic analysis of machine learning and deep learning-based approaches for identifying and diagnosing plant diseases	–	3	–	–	–	–	–	–	2	–	–	–	–	–	2	–	–
68	Brain-Inspired Remote Sensing Interpretation: A Comprehensive	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–

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Topic for Seminar	Justification
Brain tumour detection and screening using artificial intelligence techniques: Current trends and future perspectives	SDG-3: This research enables early detection of brain tumors using AI medical imaging techniques which improves diagnosis accuracy, supports timely treatment, and increases patient survival rates. SDG-9: The study promotes innovation by applying advanced artificial intelligence technologies in healthcare infrastructure, strengthening technological development in medical systems.
Role of Data Science in Reshaping the Business Sectors: Opportunities and Challenges for India	SDG-8: Data science improves business productivity, enhances decision-making, and supports economic growth by creating new job opportunities in digital industries. SDG-9: It encourages technological innovation and digital transformation through integration of analytics and automation into industry infrastructure.
AI drug discovery: unleashing the power of machine learning	SDG-3: AI accelerates drug discovery processes by predicting effective compounds, reducing research time, and improving treatment accessibility. SDG-9: The research promotes innovation in pharmaceutical technologies by integrating machine learning into medical research infrastructure.
Virtual Reality-History, Applications and Technology	SDG-9: Virtual reality supports advanced technological innovation by enabling immersive simulation systems and digital infrastructure development. SDG-4: It enhances education by providing interactive learning environments, virtual labs, and skill-based training tools.
Key Encoder: A secure and usable EEG-based cryptographic key generation mechanism	SDG-16: This research strengthens cybersecurity and digital identity protection through secure biometric authentication systems. SDG-9: It contributes to innovation in secure communication technologies and modern digital infrastructure development.
Computer vision-based prototype robotic picking cum grading system for fruits	SDG-2: Automation improves agricultural productivity, reduces food wastage, and enhances food quality which supports food security. SDG-9: The system promotes innovation in agricultural robotics and smart farming technologies.
TrueImage: A Machine Learning Algorithm to Improve the Quality of Telehealth Photos	SDG-3: Enhances remote healthcare services by improving medical image clarity and enabling accurate diagnosis and timely treatment. SDG-9: Supports development of AI-based telemedicine technologies and healthcare infrastructure innovation.
Semi-Supervised and Long-Tailed Object Detection with Cascade Match	SDG-9: The research advances machine learning algorithms and contributes to technological innovation in AI-based computer vision systems.

Frequent temporal patterns of physiological and biological biomarkers and their evolution in sepsis	SDG-3: Identifies early disease progression patterns in sepsis which helps timely medical intervention and improves patient survival outcomes.
Density-based one-shot active learning for image segmentation	SDG-9: Enhances artificial intelligence efficiency by developing innovative learning techniques that reduce data requirements and improve automation systems.
Securing the light escaping in a Li-Fi network environment	SDG-9: This research supports development of advanced optical wireless communication technologies which strengthen modern digital infrastructure and enable faster and innovative data transmission systems. SDG-16: It enhances cybersecurity by securing communication channels and protecting sensitive information from unauthorized access and cyber threats.
Smart cities for sustainability - An analytical perspective	SDG-11: The study promotes efficient urban planning, smart resource management, and improved public services that support sustainable city development. SDG-13: It contributes to climate monitoring and environmental protection through smart technologies that reduce pollution and optimize energy usage. SDG-9: The research encourages technological innovation and development of intelligent urban infrastructure systems.
A Novel Geometrical Scale and Rotation Independent Feature Extraction Technique for Multi-lingual Character Recognition	SDG-4: This research improves access to education by enabling digital text recognition across multiple languages which supports inclusive learning and literacy. SDG-9: It advances artificial intelligence innovation in pattern recognition and language processing technologies.
Crime Prediction Using Machine Learning and Deep Learning: A Systematic Review and Future Directions	SDG-16: The system helps law enforcement agencies predict criminal activities, improve public safety, and support justice administration through data-driven insights. SDG-9: It promotes innovation by applying AI and predictive analytics technologies in public security infrastructure.
Enhancing a Neurocognitive Shared Visuomotor Model for Object Identification, Localization, and Grasping with Learning From Auxiliary Tasks	SDG-3: This research contributes to healthcare by improving understanding of brain functions and supporting rehabilitation and assistive technologies. SDG-9: It fosters innovation in intelligent robotics and neuro-inspired artificial intelligence systems.
Smart Voting System Through Face Recognition	SDG-16: The system enhances transparency, security, and fairness in electoral processes by preventing voter fraud and ensuring reliable authentication. SDG-9: It supports innovation in digital governance technologies and secure electronic infrastructure.

A machine learning-based decision support system for temporal human cognitive state estimation during online education using wearable physiological monitoring devices	SDG-4: This research improves learning outcomes by monitoring student engagement and enabling personalized educational strategies. SDG-3: It supports mental well-being by identifying stress, fatigue, and cognitive overload among learners.
Keep around, drop, or revise? exploring what becomes of difficult ties in personal networks	SDG-10: The research helps understand social inequalities and promotes inclusive social relationships by analyzing interpersonal networks. SDG-16: It supports peaceful societies by improving knowledge of human interactions and conflict resolution dynamics.
Deep learning-based computer vision approaches for smart agricultural applications	SDG-2: This study improves crop monitoring, disease detection, and yield prediction which supports sustainable food production and food security. SDG-9: It encourages innovation in agricultural technologies through use of AI-based automation systems.
Text to image generation using Textual inversion	SDG-9: The research advances generative artificial intelligence technologies and contributes to digital innovation infrastructure. SDG-4: It supports creative education by providing tools for visual learning, design training, and interactive content creation.
Machine Learning for Intelligent Data Analysis and Automation in Cybersecurity: Current and Future Prospects	SDG-16: This research enhances protection against cybercrime by detecting threats and ensuring secure digital environments. SDG-9: It promotes technological innovation in cybersecurity infrastructure and intelligent threat detection systems.
Phishing attack detection using Machine Learning	SDG-16: The study protects individuals and organizations from digital fraud by improving detection of phishing attacks and cyber threats. SDG-9: It supports innovation in AI-based cybersecurity technologies and secure digital infrastructure.
IoT, big data and artificial intelligence in agriculture and food industry	SDG-2: This research enhances agricultural productivity, optimizes resource use, and supports sustainable food production systems. SDG-9: It promotes innovation by integrating IoT, big data, and AI technologies into smart agricultural infrastructure.
Recent Developments in Detection of Central Serous Retinopathy Through Imaging and Artificial Intelligence Techniques—A Review	SDG-3: The research improves early diagnosis of eye diseases which helps prevent vision loss and enhances healthcare quality. SDG-9: It promotes innovation in medical imaging technologies and AI-based diagnostic systems.
Robotic Process Automation: A Scientific and Industrial Systematic Mapping Study	SDG-8: RPA improves organizational efficiency, reduces operational costs, and supports economic productivity. SDG-9: It encourages development of advanced automation technologies and digital industrial infrastructure.

Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts	SDG-7: This research improves efficient energy distribution and supports renewable energy integration into power systems. SDG-13: It reduces carbon emissions through optimized energy usage and sustainable power management. SDG-9: It promotes innovation in smart grid infrastructure and intelligent energy technologies.
An Adaptive-Learning-Based Generative Adversarial Network for One-to-One Voice Conversion	SDG-9: The study advances speech processing technologies and supports innovation in artificial intelligence systems. SDG-4: It enhances educational tools for language learning, accessibility, and assistive communication technologies.
Crop diseases and insect pest identification based on Deep Learning Models	SDG-2: This research helps farmers detect crop diseases early, improving agricultural productivity and food security. SDG-9: It promotes innovation through AI-based smart agriculture technologies.
Removal of space junk using Artificial neural networks	SDG-9: The research contributes to innovation in aerospace technologies and advanced monitoring systems. SDG-11: It supports sustainable space environments and protects satellite infrastructure essential for modern cities.
Analyzing the Performance of Machine Learning Techniques in Cardiac Disease Prediction	SDG-3: This study improves early detection of heart diseases which reduces mortality and enhances healthcare outcomes. SDG-9: It promotes innovation in medical predictive analytics technologies.
Machine learning in weather prediction and climate analyses-Applications and prospective	SDG-13: This research helps predict climate changes, extreme weather events, and environmental risks which supports disaster preparedness and climate mitigation strategies. SDG-9: It promotes innovation by applying advanced machine learning models to environmental monitoring systems and scientific infrastructure.
Enhancing Rover Teleoperation on the Moon with Proprioceptive Sensors and Machine Learning Techniques	SDG-9: The study contributes to technological innovation in space robotics, intelligent control systems, and advanced communication infrastructure for remote operations.
An Improved Design for a Cloud Intrusion Detection System Using Hybrid Features Selection Approach with ML Classifier	SDG-16: This research strengthens cybersecurity by detecting unauthorized access and protecting sensitive cloud data from cyber threats. SDG-9: It promotes innovation in secure digital infrastructure and intelligent network monitoring technologies.
Automated real estate valuation with machine learning models using property descriptions	SDG-8: The system supports economic growth by improving efficiency, transparency, and accuracy in property valuation processes. SDG-9: It promotes innovation through application of AI technologies in real estate management infrastructure.

Evaluating expressway traffic crash severity by using logistic regression and explainable & supervised machine learning classifiers	SDG-11: This research improves road safety planning and urban transport management through data-driven analysis of traffic accidents. SDG-3: It supports public health by reducing fatalities and injuries through better accident prediction systems.
Audio-Processing-Based Human Detection with Unmanned Aerial Vehicle	SDG-11: The study enhances safety and surveillance in urban areas through advanced monitoring technologies. SDG-9: It promotes innovation in drone technologies and intelligent sensing infrastructure.
Credit Card Fraud Detection Using State-of-the-Art Machine Learning and Deep Learning Algorithms	SDG-16: The system helps prevent financial fraud, protects consumers, and strengthens trust in digital financial systems. SDG-9: It supports innovation in financial security technologies and intelligent fraud detection infrastructure.
Thermal Imaging using Machine Learning	SDG-3: This research improves medical diagnosis and disease detection through advanced thermal imaging techniques. SDG-9: It promotes technological innovation in AI-based imaging systems.
An intelligent wireless transmission towards 6G	SDG-9: The study contributes to next-generation communication infrastructure development by advancing wireless transmission technologies and digital connectivity innovation.
Robotic arm with BioT Machine Learning System	SDG-9: This research promotes innovation in intelligent robotics and automation technologies. SDG-3: It supports healthcare applications such as assistive devices and medical robotic systems.
Helmet Detection and Number Plate Recognition	SDG-11: The system improves traffic management and urban safety through automated monitoring technologies. SDG-3: It promotes public health by reducing road accident injuries through enforcement of safety regulations.
5G technology for healthcare: Features, serviceable pillars, and applications	SDG-3: This research enhances telemedicine, remote monitoring, and healthcare accessibility through high-speed communication technologies. SDG-9: It supports innovation in advanced communication infrastructure and digital health systems.
Internet of Things Expert System for Smart Cities Using the Blockchain Technology	SDG-11: The study supports smart city management, efficient public services, and sustainable urban development. SDG-9: It promotes innovation by integrating blockchain, IoT, and intelligent infrastructure systems.
Prediction of EV Charging Behaviour Using Machine Learning	SDG-7: This research supports efficient energy utilization and promotes adoption of clean electric transportation systems. SDG-13: It helps reduce carbon emissions by optimizing charging patterns and supporting sustainable mobility.

Construct Food Safety Traceability System for People's Health Under the Internet of Things and Big Data	SDG-3: The system ensures food safety by monitoring contamination risks and improving public health protection. SDG-12: It promotes responsible consumption through transparent tracking of food production and supply chains.
An end-to-end pollution analysis and detection system using artificial intelligence and object detection algorithms	SDG-13: This research helps monitor environmental pollution levels and supports climate protection strategies. SDG-11: It contributes to sustainable cities by enabling pollution control and environmental management systems.
Agricultural process data as a source for knowledge: Perspective on artificial intelligence	SDG-2: The study improves agricultural productivity through intelligent data analysis and smart farming practices. SDG-9: It promotes innovation in agricultural technologies and digital infrastructure.
Artificial Intelligence Crime: An Overview of Malicious Use and Abuse of AI	SDG-16: This research addresses ethical concerns and security risks associated with AI misuse, supporting safer and more accountable digital systems.
Explainable Artificial Intelligence Applications in Cyber Security: State-of-the-Art in Research	SDG-16: The study improves transparency and trust in security systems by providing explainable threat detection mechanisms. SDG-9: It supports innovation in intelligent cybersecurity infrastructure.
Application of artificial intelligence in modelling and optimization of laser beam machining	SDG-9: This research advances industrial automation and promotes innovation in precision manufacturing technologies.
A Smart Traffic Control System Based on Pixel-Labeling and SORT Tracker	SDG-11: This research improves traffic flow management, reduces congestion, and enhances road safety which supports sustainable urban transportation systems. SDG-9: It promotes innovation by integrating artificial intelligence into intelligent transportation infrastructure.
A Machine learning model for improving virtual machine migration in cloud computing	SDG-9: The study advances cloud computing efficiency and supports innovation in digital infrastructure by optimizing resource management using machine learning techniques.
Fire images classification based on a handcraft approach	SDG-13: This research supports early detection of fire hazards which helps mitigate environmental damage and climate risks. SDG-11: It improves urban disaster management systems and enhances safety of communities through automated fire detection technologies.
Machine Learning for a Sustainable energy future	SDG-7: The study supports efficient energy production, distribution, and consumption using intelligent energy management systems. SDG-13: It helps reduce carbon emissions and promotes sustainable environmental practices through optimized energy utilization.

A Machine Learning Approach for the NLP based Analysis of Cyber Threats and Vulnerabilities of the Healthcare Ecosystem	SDG-3: The research protects healthcare systems by ensuring secure patient data and reliable digital medical services. SDG-16: It strengthens cybersecurity infrastructure by detecting threats and vulnerabilities in healthcare ecosystems.
Development of an obstacle avoiding autonomous vehicle by using stereo depth estimation and artificial intelligence based semantic segmentation	SDG-11: This research enhances road safety, smart transportation systems, and efficient urban mobility. SDG-9: It promotes innovation in autonomous vehicle technologies and intelligent transportation infrastructure.
Comparative Analysis Study for Air Quality Prediction in Smart Cities Using Regression Techniques	SDG-11: The system helps urban planners monitor pollution levels and improve environmental quality in cities. SDG-13: It supports climate action by predicting air pollution trends and enabling preventive environmental measures.
Big Data: An optimized approach for cluster initialization	SDG-9: The study contributes to technological innovation by improving big data processing efficiency and strengthening digital infrastructure systems.
Study and Analysis of Chat GPT and its Impact on Different Fields of Study	SDG-4: This research supports modern education by enhancing digital learning tools and knowledge accessibility through AI technologies. SDG-9: It promotes innovation in artificial intelligence applications and digital communication infrastructure.
Deep Learning for the Internet of Things with Edge Computing	SDG-9: The study advances intelligent IoT systems and promotes innovation in edge computing infrastructure for efficient real-time data processing.
Classification of heart disease using artificial neural network	SDG-3: This research improves early detection of cardiovascular diseases which reduces mortality and supports better healthcare outcomes. SDG-9: It promotes innovation in AI-based medical diagnostic technologies.
Integrating Machine Learning Algorithms for Online Fraud Detection	SDG-16: The system protects individuals and organizations from financial fraud and enhances digital security. SDG-9: It supports innovation in secure financial technology infrastructure using machine learning techniques.
Intelligent edge computing based on machine learning for smart city	SDG-11: The research supports smart city services such as traffic management, surveillance, and efficient public resource utilization. SDG-9: It promotes technological innovation in intelligent computing infrastructure.
Detecting telecommunication fraud by understanding the contents of a cell	SDG-16: The study enhances communication security and prevents fraudulent activities in telecom networks. SDG-9: It supports innovation in digital communication infrastructure and intelligent monitoring systems.

Audio-Based Machine Learning for Traffic Congestion Detection	SDG-11: The system helps manage traffic congestion and improves urban mobility through smart monitoring technologies. SDG-9: It promotes innovation in AI-based sensing infrastructure.
Machine learning on management healthcare and agricultural	SDG-3: This research improves healthcare management and disease prediction through intelligent data analysis. SDG-2: It enhances agricultural productivity and supports food security through smart decision systems.
A systematic analysis of machine learning and deep learning-based approaches for identifying and diagnosing plant diseases	SDG-2: The study helps farmers identify crop diseases early, reducing losses and improving food production. SDG-9: It promotes innovation in agricultural AI technologies.
Brain-Inspired Remote Sensing Interpretation: A Comprehensive Survey	SDG-9: The research advances remote sensing technologies and promotes innovation in intelligent environmental monitoring systems.
A Study on Role of Artificial Intelligence to Improve Inventory Management System	SDG-8: This research improves business productivity and operational efficiency through intelligent inventory management systems. SDG-9: It promotes innovation in automation technologies and digital infrastructure.
Detecting deception using machine learning with facial expressions and pulse rate	SDG-16: The study strengthens justice systems by enabling reliable detection of deception and supporting secure investigative processes.

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.

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना, भारत

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

(An Autonomous Institute under Kakatiya University, Warangal)

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

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI&ML)

Programme: B.Tech.

Academic Year: 2022-23

Semester and Class: 5 CSM

SDG- Mapping with Seminars

Academic Year: CAY: 2022-23

CAY 2022-23 (As per NBA)

Batch: 5 CSM

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
1	B20AI001	Kadira Akhil	Optimal Machine Learning Approach for Battery Life Estimation	SDG-7: Affordable and Clean Energy SDG-9: Industry, Innovation and Infrastructure SDG-13: Climate Action
2	B20AI002	Baireddy Manvitha	Smart Phone Based Food Recognition Using Multiple Deep CNN Models	SDG-2: Zero Hunger SDG-12: Responsible Consumption and Production SDG-9: Industry, Innovation and Infrastructure

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
3	B20AI003	Donthireddy Sai Dinesh Reddy	Robust Target Recognition and Tracking of Self Driving Cars Using Radar and Camera Information Fusion Under Severe Weather Conditions	SDG-9: Industry, Innovation and Infrastructure SDG-11: Sustainable Cities and Communities SDG-16: Peace, Justice and Strong Institutions
4	B20AI004	Uliravula Aradhana	Sales Predition Using Linear Regression	SDG-8: Decent Work and Economic Growth SDG-9: Industry, Innovation and Infrastructure
5	B20AI005	Turlapati Sai Eshwar	Artificial Intelligence to Deep Learning: Machine Intelligence Approach for Drug Discovery	SDG-3: Good Health and Well-Being, SDG-9: Industry, Innovation and Infrastructure
6	B20AI006	Vididhineni Sri Charan	Water Quality Analysis Using Machine Learning	SDG-6: Clean Water and Sanitation, SDG-9: Industry, Innovation and Infrastructure SDG-14: Life Below Water
7	B20AI007	Rithvik Errabelli	Prediction of Heart Diseases Using a Comibination of ML and DI	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
8	B20AI008	Polakonda Hamsini	Dieasese Prediction Using Machine Learning and Deep Learning	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
9	B20AI009	Ramagiri Tripura	Deep Learning Approach for Breast Cancer Prediction	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
10	B20AI010	Siluveru Sruthi	Plant Disease Identification Using Deep Convolutional Neural Networks	SDG-2: Zero Hunger SDG-15: Life on Land SDG-9: Industry, Innovation and Infrastructure
11	B20AI011	Boinipally Samhitha	Weather Prediction Using IoT	SDG-13: Climate Action, SDG-9: Industry, Innovation and Infrastructure
12	B20AI012	Chada Spandana	Lung Cancer Detection and Classification Using Deep Learning	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
13	B20AI013	Kodithyala Sai Anirudh	Network Intrusion Detection Using Machine Learning	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
14	B20AI014	Vallem Ashritha	Real-Time Detection of Traffic From Twitter Stream Analysis	SDG-11: Sustainable Cities and Communities SDG-9: Industry, Innovation and Infrastructure

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
15	B20AI015	Kurimilla Rohan	Artificial Intelligence and Machine Learning in Medical Robotic Surgeries	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
16	B20AI016	Boppani Jothsna	Hand Gesture Recognition Using Convolutional Neural Networks	SDG-9: Industry, Innovation and Infrastructure SDG-4: Quality Education
17	B20AI017	Oni Indhu Sri	Artificial Intelligence in Radiology	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
18	B20AI018	Sangekari Sai Nithin	Dynamic Image Recognition for Augmented Reality	SDG-9: Industry, Innovation and Infrastructure, SDG-4: Quality Education
19	B20AI019	Donthi Reddy Sathvika	Voice Technology Using Artificial Intelligence	SDG-9: Industry, Innovation and Infrastructure SDG-4: Quality Education
20	B20AI020	Kusumba Vani	Music Recommender System for Users Based on Emotion Detection Through Facial Features	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
21	B20AI021	Gaggula Eshwara Aryan	Prediction of Masked Materials Motors With Different Materials Based on Noise Analysis	SDG-9: Industry, Innovation and Infrastructure

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
22	B20AI022	Vuchidi Usha Sree	Enhancing Medical Images Using Encryption and LSB Steganography	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
23	B20AI023	Bommala Jagadeesha	Automatic Accident Detection and Messaging System for Vehicle Application	SDG-3: Good Health and Well-Being SDG-11: Sustainable Cities and Communities
24	B20AI024	Rama Chandana	Prediction of Stock Price Using LSTM Neural Networks	SDG-8: Decent Work and Economic Growth SDG-9: Industry, Innovation and Infrastructure
25	B20AI025	K Venkat Sai Teja	Hydration Level Estimation in Human Body Using Galvanic Skin Response	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
26	B20AI026	Tallapally Anjali	Using Machine Learning Techniques to Analyse and Detect Autism Spectrum Disorder	SDG-3: Good Health and Well-Being SDG-4: Quality Education
27	B20AI027	Syeda Ayesha Zainab	5G Technology for Evolution of Intelligent Automation and Industry Digitization	SDG-9: Industry, Innovation and Infrastructure SDG-8: Decent Work and Economic Growth
28	B20AI028	Ganji Sai Tarun	Fake News Detection Using Machine Learning	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
29	B20AI029	Tadimeti Venkata Naga Sidhi Sai Swetha	Prediction of Diabetics Using Machine Learning Algorithms	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
30	B20AI030	Adepu Varshith Kumar	Classification of Skin Cancer From Dermoscopic Images Using ML and DL	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
31	B20AI031	Bonala Manish	Agile Plus: A Blockchain-Based Framework for Distributed Agile Software Development	SDG-9: Industry, Innovation and Infrastructure SDG-16: Peace, Justice and Strong Institutions
32	B20AI032	Swargam Rishitha	AI Technologies for Education	SDG-4: Quality Education SDG-9: Industry, Innovation and Infrastructure
33	B20AI033	Suryadevara Jahnavi	Mental Health Prediction Using Machine Learning	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
34	B20AI034	Aligate Samyuktha	Machine Learning in Video Streaming	SDG-9: Industry, Innovation and Infrastructure SDG-8: Decent Work and Economic Growth
35	B20AI035	Devarakonda Sriramkiran	Text to Image Generation Using Deep Learning	SDG-9: Industry, Innovation and Infrastructure SDG-4: Quality Education

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
36	B20AI037	Sreeja Yerroj u	Google Lens	SDG-9: Industry, Innovation and Infrastructure SDG-4: Quality Education
37	B20AI038	Kondi Thrisha	Swarm Robotics in Military Field	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
38	B20AI039	Nimra Aiman	IBM Watson	SDG-9: Industry, Innovation and Infrastructure SDG-3: Good Health and Well-Being
39	B20AI040	Gankidi Rugwesh Reddy	Microdecisions and Autonomy in Self-Driving Cars: Virtual Probabilities	SDG-11: Sustainable Cities and Communities SDG-9: Industry, Innovation and Infrastructure
40	B20AI041	Hussian Pally Sai Srija	Alzheimer's Diseases Prediction Using Machine Learning Models	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
41	B20AI042	Varine Vamshi Krishna	Image Forgery Detection Using Deep Learning	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
42	B20AI043	Koyada Sai Varshith	Smart Note Taker	SDG-4: Quality Education SDG-9: Industry, Innovation and Infrastructure

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
43	B20AI044	Karnabhathula Bindhu Shri	Cyber Security Threats and Their Mitigation Approach Using Machine Learning	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
44	B20AI045	Sai Sumanth Guguloth	Military Grade Cybersecurity Training System	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
45	B20AI046	Adhi Harsha	Neuralink to Connect Brains With Computers Using AI	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
46	B20AI047	Kanaparthi Vrushika	Automated Cars Using LiDARs	SDG-11: Sustainable Cities and Communities SDG-9: Industry, Innovation and Infrastructure
47	B20AI048	Thota Sahithi	Street Lights and Traffic Management Using IoT	SDG-11: Sustainable Cities and Communities SDG-9: Industry, Innovation and Infrastructure
48	B20AI049	Akshitha Sangi	Big Data Medical Image Classification Using Convolutional Neural Networks	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
49	B20AI050	Jalla Ritheesh Varma	Advanced Driver Assistance System	SDG-11: Sustainable Cities and Communities SDG-9: Industry, Innovation and

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
				Infrastructure
50	B20AI051	Eludonda Chakri	Cyber Security Challenges in Aviation Communication, Navigation and Surveillance	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
51	B20AI052	Dadi Venkata Krishna Reddy	Artificial Intelligence Chip Development	SDG-9: Industry, Innovation and Infrastructure SDG-8: Decent Work and Economic Growth
52	B20AI053	Mohammad Sabha	CNN Implementation Strategies for Enhancing and Classification of Images	SDG-9: Industry, Innovation and Infrastructure SDG-4: Quality Education
53	B20AI054	Thokala Prathibha Reddy	AI Models for Green Communication Towards 6G	SDG-7: Affordable and Clean Energy SDG-13: Climate Action
54	B20AI055	Bathula Shresta	Replay Attack Detection in Smart Cities Using Deep Learning	SDG-11: Sustainable Cities and Communities SDG-16: Peace, Justice and Strong Institutions
55	B20AI056	Mandula Bangaru Babu	Designing a Learning Trajectory Using Generative AI Models for Middle School Students	SDG-4: Quality Education SDG-9: Industry, Innovation and Infrastructure
56	B20AI057	Mohammed Ayman Suhail	Biometric Technology Using AI	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
				Infrastructure
57	B20AI058	Oddiraju Ananya	Deep Learning in Ultrasound Imaging	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
58	B20AI059	Mohammed Aamir Ahmed	Optical Character Recognition	SDG-4: Quality Education SDG-9: Industry, Innovation and Infrastructure
59	B20AI060	Kushal Shyamala	IoT Based Smart Agriculture	SDG-2: Zero Hunger SDG-9: Industry, Innovation and Infrastructure
60	B21AI061L	Yenumulapally Teena	Cloud-Based Smart Health Care Management System Using Blue Eyes Technology	SDG-3: Good Health and Well-Being SDG-9: Industry, Innovation and Infrastructure
61	B21AI062L	Varanasi Nithish Bhavan	Phishing URL Detection: A Real Case Scenario Through Login URLs	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
62	B21AI063L	Vakkala Sujatha	Credit Card Fraud Detection Using Deep Learning	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
63	B21AI064L	Bollu Manoj	A Card Game for Collecting Human-Perceived Similarity Data	SDG-4: Quality Education SDG-9: Industry,

S.No	ROLL NO	STUDENT NAME	TITLE	SDG Mapping
			of Artwork Images	Innovation and Infrastructure
64	B21AI065L	Kanne Ramya Krishna	Artificial Intelligence and Edge Computing: Enabled Web Spam Detection for Next-Generation IoT Applications	SDG-16: Peace, Justice and Strong Institutions SDG-9: Industry, Innovation and Infrastructure
65	B21AI066L	Geejula Sai Siddu	A Secure Blockchain Platform for Supporting AI-Enabled IoT Applications at the Edge Layer	SDG-9: Industry, Innovation and Infrastructure SDG-16: Peace, Justice and Strong Institutions

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Optimal Machine Learning Approach for Battery Life Estimation	-	-	-	-	-	-	3	-	2	-	-	-	2	-	-	-	-
Smart Phone Based Food Recognition Using Multiple Deep CNN Models	-	3	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-
Robust Target Recognition and Tracking of Self Driving Cars Using Radar and Camera Information Fusion Under Severe Weather Conditions	-	-	-	-	-	-	-	-	3	-	2	-	-	-	-	2	-
Sales Predition Using Linear Regression	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
Artificial Intelligence to Deep Learning : Machine Intelligence	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Approach for Drug Discovery																	
Water Quality Analysis Using Machine Learning	-	-	-	-	-	3	-	-	2	-	-	-	-	2	-	-	-
Prediction of Heart Diseases Using a Combination of ML and DL	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Diseases Prediction Using Machine Learning and Deep Learning	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Deep Learning Approach for Breast Cancer Prediction	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Plant Disease Identification Using Deep Convolutional Neural Networks	-	3	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Weather Prediction Using IoT	-	-	-	-	-	-	-	-	2	-	-	-	3	-	-	-	-
Lung Cancer Detection and Classification Using Deep Learning	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Network Intrusion Detection Using Machine Learning	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Real-Time Detection of Traffic From Twitter Stream Analysis	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-
Artificial Intelligence and Machine Learning in Medical Robotic Surgeries	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Hand Gesture Recognition Using Convolutional Neural Networks	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Artificial Intelligence in Radiology	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Dynamic Image Recognition for Augmented Reality	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-
Voice Technology Using Artificial Intelligence	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-
Music Recommender System for Users Based on Emotion Detection Through Facial Features	-	-	2	-	-	-	-	-	3	-	-	-	-	-	-	-	-
Prediction of Masked Materials Motors With Different Materials Based on Noise Analysis	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Enhancing Medical Images Using Encryption and LSB Steganography	-	-	2	-	-	-	-	-	3	-	-	-	-	-	-	-	-
Automatic Accident Detection and Messaging System for Vehicle Application	-	-	2	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Prediction of Stock Price Using LSTM Neural Networks	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
Hydration Level Estimation in Human Body Using Galvanic Skin Response	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Using Machine Learning Techniques to Analyse and Detect Autism Spectrum Disorder	-	-	2	2	-	-	-	-	2	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
5G Technology for Evolution of Intelligent Automation and Industry Digitization	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
Fake News Detection Using Machine Learning	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Prediction of Diabetics Using Machine Learning Algorithms	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Classification of Skin Cancer From Dermoscopic Images Using ML and DL	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Agile Plus : A Blockchain-Based Framework for Distributed Agile Software Development	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
AI Technologies for Education	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
Mental Health Prediction Using Machine Learning	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Machine Learning in Video Streaming	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
Text to Image Generation Using Deep Learning	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-
Google Lens	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-
Swarm Robotics in Military Field	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
IBM Watson	-	-	2	-	-	-	-	-	3	-	-	-	-	-	-	-	-
Microdecision s and Autonomy in Self-Driving Cars: Virtual Probabilities	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-
Alzheimer's Diseases Prediction Using Machine Learning	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Models																	
Image Forgery Detection Using Deep Learning	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Smart Note Taker	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
Cyber Security Threats and Their Mitigation Approach Using Machine Learning	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Military Grade Cybersecurity Training System	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Neuralink to Connect Brains With Computers Using AI	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Automated Cars Using LiDARs	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Street Lights and Traffic Management Using IoT	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-
Big Data Medical Image Classification Using Convolutional Neural Networks	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Advanced Driver Assistance System	-	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-
Cyber Security Challenges in Aviation Communication, Navigation and Surveillance	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Artificial Intelligence Chip Development	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
CNN Implementation Strategies for Enhancing and Classification	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
of Images																	
AI Models for Green Communicati on Towards 6G	-	-	-	-	-	-	2	-	2	-	-	-	3	-	-	-	-
Replay Attack Detection in Smart Cities Using Deep Learning	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	2	-
Designing a Learning Trajectory Using Generative AI Models for Middle School Students	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-
Biometric Technology Using AI	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Deep Learning in Ultrasound Imaging	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Optical Character Recognition	-	-	-	2	-	-	-	-	3	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
IoT Based Smart Agriculture	-	3	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Cloud-Based Smart Health Care Management System Using Blue Eyes Technology	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Phishing URL Detection: A Real Case Scenario Through Login URLs	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
Credit Card Fraud Detection Using Deep Learning	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
A Card Game for Collecting Human-Perceived Similarity Data of Artwork Images	-	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-

TITLE	SD G-1	SD G-2	SD G-3	SD G-4	SD G-5	SD G-6	SD G-7	SD G-8	SD G-9	SDG -10	SDG -11	SDG -12	SDG -13	SDG -14	SDG -15	SDG -16	SDG -17
Artificial Intelligence and Edge Computing:Enabled Web Spam Detection for Next-Generation IoT Applications	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-
A Secure Blockchain Platform for Supporting AI-Enabled IoT Applications at the Edge Layer	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	2	-

Justifications for SDG mapping for Each Seminar Project Title

Academic Year: CAY: 2022-23

1	Seminar Title - 1	Optimal Machine Learning Approach for Battery Life Estimation
1	Justifications	SDG-7: Affordable and Clean Energy This work improves energy efficiency by accurately estimating battery life using machine learning techniques, enabling optimal utilization of energy resources and supporting the adoption of clean and sustainable energy systems. SDG-9: Industry, Innovation and Infrastructure The study applies advanced machine learning models to develop intelligent battery management solutions, promoting technological innovation and strengthening smart industrial and digital infrastructure. SDG-13: Climate Action By reducing unnecessary energy consumption and extending battery lifespan, the approach helps minimize carbon emissions and supports environmentally responsible practices that contribute to climate action.
2	Seminar Title - 2	Smart Phone Based Food Recognition Using Multiple Deep CNN Models
2	Justifications	SDG-2: Zero Hunger This system supports food security by enabling accurate identification of food items, which can assist in dietary awareness, nutrition analysis, and efficient food management. SDG-12: Responsible Consumption and Production The application promotes responsible consumption by helping users make informed food choices and reduce food wastage through intelligent recognition systems. SDG-9: Industry, Innovation and Infrastructure The work leverages advanced deep learning models to build innovative mobile-based solutions, strengthening digital infrastructure and AI-driven innovation.
3	Seminar Title - 3	Robust Target Recognition and Tracking of Self Driving Cars Using Radar and Camera Information Fusion Under Severe Weather Conditions

3	Justifications	SDG-9: Industry, Innovation and Infrastructure This research enhances intelligent transportation infrastructure by integrating radar and camera data for reliable autonomous vehicle perception. SDG-11: Sustainable Cities and Communities The system improves road safety and traffic efficiency in urban environments, contributing to sustainable and smart city mobility solutions. SDG-16: Peace, Justice and Strong Institutions By increasing the reliability and safety of autonomous driving systems, the work supports safer public systems and reduces accident-related risks.
4	Seminar Title - 4	Sales Perdition Using Linear Regression
4	Justifications	SDG-8: Decent Work and Economic Growth The study aids business planning and decision-making through sales forecasting, supporting productivity and sustainable economic growth. SDG-9: Industry, Innovation and Infrastructure By applying data-driven analytical models, the work promotes innovation in business intelligence and strengthens digital infrastructure.
5	Seminar Title - 5	Artificial Intelligence to Deep Learning: Machine Intelligence Approach for Drug Discovery
5	Justifications	SDG-3: Good Health and Well-Being This work accelerates drug discovery by using AI and deep learning techniques to identify potential drug candidates, improving healthcare outcomes and treatment effectiveness. SDG-9: Industry, Innovation and Infrastructure The study promotes innovation by applying advanced machine intelligence models to biomedical research, strengthening digital and research infrastructure.
6	Seminar Title - 6	Water Quality Analysis Using Machine Learning
6	Justifications	SDG-6: Clean Water and Sanitation The project enables efficient monitoring of water quality parameters, supporting safe water management and access to clean water resources. SDG-9: Industry, Innovation and Infrastructure The use of machine learning introduces intelligent infrastructure for automated environmental monitoring and analysis. SDG-14: Life Below Water By detecting water contamination early, the system helps protect aquatic ecosystems and supports sustainable management of water bodies.

7	Seminar Title - 7	Prediction of Heart Diseases Using a Combination of ML and DL
7	Justifications	SDG-3: Good Health and Well-Being The research supports early diagnosis of heart diseases through intelligent prediction models, improving preventive healthcare and patient outcomes. SDG-9: Industry, Innovation and Infrastructure The integration of machine learning and deep learning techniques promotes innovation in healthcare analytics and decision-support systems.
8	Seminar Title - 8	Diseases Prediction Using Machine Learning and Deep Learning
8	Justifications	SDG-3: Good Health and Well-Being This work enhances disease prediction and early detection, contributing to improved healthcare services and reduced health risks. SDG-9: Industry, Innovation and Infrastructure The application of advanced AI techniques strengthens technological innovation in medical data analysis and healthcare infrastructure.
9	Seminar Title - 9	Deep Learning Approach for Breast Cancer Prediction
9	Justifications	SDG-3: Good Health and Well-Being The system aids in early and accurate detection of breast cancer, supporting timely treatment and improved survival rates. SDG-9: Industry, Innovation and Infrastructure The study demonstrates the role of deep learning in advancing medical diagnostic technologies and healthcare infrastructure.
10	Seminar Title - 10	Plant Disease Identification Using Deep Convolutional Neural Networks
10	Justifications	SDG-2: Zero Hunger The project supports agricultural productivity by enabling early detection of plant diseases, reducing crop losses and improving food security. SDG-15: Life on Land By protecting plant health, the system contributes to sustainable agricultural practices and conservation of terrestrial ecosystems. SDG-9: Industry, Innovation and Infrastructure The use of deep learning in agriculture promotes innovation and strengthens smart farming infrastructure.

11	Seminar Title - 11	Weather Prediction Using IoT
11	Justifications	SDG-13: Climate Action The system improves climate monitoring and weather forecasting, supporting disaster preparedness and climate adaptation strategies. SDG-9: Industry, Innovation and Infrastructure The integration of IoT technologies enhances smart environmental monitoring infrastructure and data-driven climate analysis.
12	Seminar Title - 12	Lung Cancer Detection and Classification Using Deep Learning
12	Justifications	SDG-3: Good Health and Well-Being This work supports early and accurate detection of lung cancer using deep learning techniques, improving diagnosis and patient survival rates. SDG-9: Industry, Innovation and Infrastructure The study applies advanced AI models to medical imaging, strengthening innovation in healthcare diagnostics and digital infrastructure.
13	Seminar Title - 13	Network Intrusion Detection Using Machine Learning
13	Justifications	SDG-16: Peace, Justice and Strong Institutions The system enhances cybersecurity by detecting malicious network activities, contributing to safer and more resilient digital systems. SDG-9: Industry, Innovation and Infrastructure The application of machine learning promotes innovative and secure network infrastructure for modern information systems.
14	Seminar Title - 14	Real-Time Detection of Traffic From Twitter Stream Analysis
14	Justifications	SDG-11: Sustainable Cities and Communities This work supports smart city development by enabling real-time traffic monitoring and improved urban mobility management. SDG-9: Industry, Innovation and Infrastructure The study leverages data analytics and streaming technologies to strengthen intelligent transportation infrastructure.
15	Seminar Title - 15	Artificial Intelligence and Machine Learning in Medical Robotic Surgeries
15	Justifications	SDG-3: Good Health and Well-Being The use of AI in robotic surgeries improves precision, reduces surgical risks, and enhances patient care outcomes. SDG-9: Industry, Innovation and Infrastructure This research promotes innovation in medical robotics and advanced healthcare infrastructure.

16	Seminar Title - 16	Hand Gesture Recognition Using Convolutional Neural Networks
16	Justifications	SDG-9: Industry, Innovation and Infrastructure The system demonstrates innovative human: computer interaction techniques using deep learning-based gesture recognition. SDG-4: Quality Education Gesture-based interfaces support inclusive and interactive learning environments, enhancing educational accessibility.
17	Seminar Title - 17	Artificial Intelligence in Radiology
17	Justifications	SDG-3: Good Health and Well-Being AI-based radiology systems improve diagnostic accuracy and efficiency, supporting better healthcare delivery. SDG-9: Industry, Innovation and Infrastructure The study strengthens digital healthcare infrastructure through intelligent imaging analysis.
18	Seminar Title - 18	Dynamic Image Recognition for Augmented Reality
18	Justifications	SDG-9: Industry, Innovation and Infrastructure The work advances AR technology by enabling real-time image recognition, fostering innovation in digital applications. SDG-4: Quality Education Augmented reality systems enhance interactive learning experiences and modern educational tools
19	Seminar Title - 19	Voice Technology Using Artificial Intelligence
19	Justifications	SDG-9: Industry, Innovation and Infrastructure Voice-enabled AI systems promote innovation in human:computer interaction and smart digital platforms. SDG-4: Quality Education Speech-based interfaces support accessible learning and assistive educational technologies.
20	Seminar Title - 20	Music Recommender System for Users Based on Emotion Detection Through Facial Features
20	Justifications	SDG-3: Good Health and Well-Being Emotion-aware music recommendation systems can support mental well-being by enhancing emotional regulation and stress management. SDG-9: Industry, Innovation and Infrastructure The application of AI in recommendation systems promotes innovation in multimedia analytics and digital services.

21	Seminar Title - 21	Prediction of Masked Materials Motors With Different Materials Based on Noise Analysis
21	Justifications	SDG-9: Industry, Innovation and Infrastructure This work supports industrial innovation by using noise analysis and machine learning techniques to improve motor performance evaluation and intelligent manufacturing processes.
22	Seminar Title - 22	Enhancing Medical Images Using Encryption and LSB Steganography
22	Justifications	SDG-3: Good Health and Well-Being The study improves the quality and security of medical images, supporting accurate diagnosis and better healthcare outcomes. SDG-9: Industry, Innovation and Infrastructure By integrating encryption and steganography techniques, the work strengthens secure digital infrastructure in healthcare systems.
23	Seminar Title - 23	Automatic Accident Detection and Messaging System for Vehicle Application
23	Justifications	SDG-3: Good Health and Well-Being The system enables rapid accident detection and emergency alerts, reducing response time and improving survival chances. SDG-11: Sustainable Cities and Communities The solution supports safer urban transportation systems and contributes to smart city safety infrastructure.
24	Seminar Title - 24	Prediction of Stock Price Using LSTM Neural Networks
24	Justifications	SDG-8: Decent Work and Economic Growth The research supports financial decision-making and market analysis, contributing to economic stability and growth. SDG-9: Industry, Innovation and Infrastructure The use of deep learning models promotes innovation in financial analytics and digital infrastructure.
25	Seminar Title - 25	Hydration Level Estimation in Human Body Using Galvanic Skin Response

25	Justifications	SDG-3: Good Health and Well-Being This work supports health monitoring by estimating hydration levels, aiding in preventive healthcare and wellness management. SDG-9: Industry, Innovation and Infrastructure The integration of sensor data and machine learning enhances smart healthcare infrastructure.
26	Seminar Title - 26	Using Machine Learning Techniques to Analyse and Detect Autism Spectrum Disorder
26	Justifications	SDG-3: Good Health and Well-Being The study supports early detection of autism spectrum disorder, improving access to timely healthcare and intervention. SDG-4: Quality Education Early identification enables better educational planning and inclusive learning support for affected individuals.
27	Seminar Title - 27	5G Technology for Evolution of Intelligent Automation and Industry Digitization
27	Justifications	SDG-9: Industry, Innovation and Infrastructure This work promotes advanced communication infrastructure and intelligent automation through 5G technologies. SDG-8: Decent Work and Economic Growth Industry digitization enhances productivity, creates new employment opportunities, and supports economic growth.
28	Seminar Title - 28	Fake News Detection Using Machine Learning
28	Justifications	SDG-16: Peace, Justice and Strong Institutions The system helps combat misinformation by detecting fake news, supporting transparent and trustworthy information ecosystems. SDG-9: Industry, Innovation and Infrastructure The use of machine learning strengthens digital platforms and innovative information monitoring systems.
29	Seminar Title - 29	Prediction of Diabetics Using Machine Learning Algorithms
29	Justifications	SDG-3: Good Health and Well-Being This work supports early detection and management of diabetes, contributing to improved public health outcomes. SDG-9: Industry, Innovation and Infrastructure The application of machine learning enhances healthcare analytics and medical decision-support infrastructure.
30	Seminar Title - 30	Classification of Skin Cancer From Dermoscopic Images Using ML and DL

30	Justifications	SDG-3: Good Health and Well-Being The study enables accurate skin cancer classification, supporting early diagnosis and effective treatment. SDG-9: Industry, Innovation and Infrastructure Advanced ML and DL techniques promote innovation in medical imaging and diagnostic infrastructure.
31	Seminar Title - 31	Agile Plus: A Blockchain-Based Framework for Distributed Agile Software Development
31	Justifications	SDG-9: Industry, Innovation and Infrastructure The framework supports innovative and secure software development practices using blockchain technology. SDG-16: Peace, Justice and Strong Institutions By ensuring transparency and trust in distributed development processes, the work strengthens reliable digital systems.
32	Seminar Title - 32	AI Technologies for Education
32	Justifications	SDG-4: Quality Education AI-based educational tools enhance personalized learning, accessibility, and teaching effectiveness across diverse learning environments. SDG-9: Industry, Innovation and Infrastructure The use of AI technologies strengthens digital education infrastructure and promotes innovation in learning platforms.
33	Seminar Title - 33	Mental Health Prediction Using Machine Learning
33	Justifications	SDG- 4: Quality Education AI-based educational tools enhance personalized learning, accessibility, and teaching effectiveness across diverse learning environments. SDG-9: Industry, Innovation and Infrastructure The use of AI technologies strengthens digital education infrastructure and promotes innovation in learning platforms.
34	Seminar Title - 34	Machine Learning in Video Streaming
34	Justifications	SDG-9: Industry, Innovation and Infrastructure ML-based streaming optimization enhances content delivery, scalability, and user experience in digital media platforms. SDG-8: Decent Work and Economic Growth Efficient streaming technologies support digital economies and create opportunities in media and technology sectors.
35	Seminar Title - 35	Text to Image Generation Using Deep Learning

35	Justifications	SDG-9: Industry, Innovation and InfrastructureML-based streaming optimization enhances content delivery, scalability, and user experience in digital media platforms.SDG-8: Decent Work and Economic GrowthEfficient streaming technologies support digital economies and create opportunities in media and technology sectors.
36	Seminar Title - 36	Google Lens
36	Justifications	SDG-9: Industry, Innovation and Infrastructure ML-based streaming optimization enhances content delivery, scalability, and user experience in digital media platforms. SDG-8: Decent Work and Economic Growth Efficient streaming technologies support digital economies and create opportunities in media and technology sectors.
37	Seminar Title - 37	Swarm Robotics in Military Field
37	Justifications	SDG-9: Industry, Innovation and Infrastructure ML-based streaming optimization enhances content delivery, scalability, and user experience in digital media platforms. SDG-8: Decent Work and Economic Growth Efficient streaming technologies support digital economies and create opportunities in media and technology sectors.
38	Seminar Title - 38	IBM Watson
38	Justifications	SDG-9: Industry, Innovation and Infrastructure AI platforms like Watson support innovation across industries through advanced analytics and automation. SDG-3: Good Health and Well-Being Watson-based healthcare applications assist in diagnosis and clinical decision support.
39	Seminar Title - 39	Micro decisions and Autonomy in Self-Driving Cars: Virtual Probabilities
39	Justifications	SDG-11: Sustainable Cities and Communities Autonomous vehicle decision systems improve traffic safety and urban mobility efficiency. SDG-9: Industry, Innovation and Infrastructure Research in vehicle autonomy strengthens intelligent transportation infrastructure.
40	Seminar Title - 40	Alzheimer's Diseases Prediction Using Machine Learning Models

40	Justifications	SDG-3: Good Health and Well-Being ML-based prediction aids early diagnosis of Alzheimer’s disease, improving patient care and treatment planning. SDG-9: Industry, Innovation and Infrastructure The study promotes innovation in healthcare analytics and diagnostic infrastructure.
41	Seminar Title - 41	Image Forgery Detection Using Deep Learning
41	Justifications	SDG-16: Peace, Justice and Strong Institutions Forgery detection systems help maintain digital trust and combat misinformation and cybercrime. SDG-9: Industry, Innovation and Infrastructure Deep learning enhances secure and reliable digital forensic infrastructure.
42	Seminar Title - 42	Smart Note Taker
42	Justifications	SDG-4: Quality Education Automated note-taking systems improve learning efficiency and accessibility for students. SDG-9: Industry, Innovation and Infrastructure AI-driven productivity tools support innovation in educational technology infrastructure.
43	Seminar Title - 43	Cyber Security Threats and Their Mitigation Approach Using Machine Learning
43	Justifications	SDG-16: Peace, Justice and Strong Institutions ML-based threat detection strengthens cybersecurity and protects digital institutions. SDG-9: Industry, Innovation and Infrastructure Advanced security analytics promote resilient and innovative digital infrastructure.
44	Seminar Title - 44	Military Grade Cybersecurity Training System
44	Justifications	SDG-16: Peace, Justice and Strong Institutions High-level cybersecurity training enhances national and institutional digital security preparedness. SDG-9: Industry, Innovation and Infrastructure Training platforms support the development of secure and advanced cyber infrastructure.
45	Seminar Title - 45	Neuralink to Connect Brains With Computers Using AI
45	Justifications	SDG-3: Good Health and Well-Being Brain:computer interfaces support neurological treatment and rehabilitation innovations. SDG-9: Industry, Innovation and Infrastructure AI-driven neural technologies promote cutting-edge biomedical infrastructure.
46	Seminar Title - 46	Automated Cars Using LiDARs

46	Justifications	SDG-11: Sustainable Cities and CommunitiesLiDAR-based autonomous vehicles improve traffic safety and reduce congestion in cities.SDG-9: Industry, Innovation and InfrastructureAdvanced sensing technologies strengthen smart transportation systems.
47	Seminar Title - 47	Street Lights and Traffic Management Using IoT
47	Justifications	SDG-11: Sustainable Cities and CommunitiesIoT-enabled traffic and lighting systems enhance urban safety and energy efficiency.SDG-9: Industry, Innovation and InfrastructureSmart city infrastructure is strengthened through IoT-based automation.
48	Seminar Title - 48	Big Data Medical Image Classification Using Convolutional Neural Networks
48	Justifications	SDG-3: Good Health and Well-Being Automated medical image analysis supports accurate diagnosis and improved healthcare services. SDG-9: Industry, Innovation and Infrastructure Big data analytics promotes innovation in medical imaging infrastructure.
49	Seminar Title - 49	Advanced Driver Assistance System
49	Justifications	SDG-11: Sustainable Cities and Communities ADAS technologies improve road safety and reduce traffic accidents in urban environments. SDG-9: Industry, Innovation and Infrastructure Intelligent vehicle systems support innovation in transportation infrastructure.
50	Seminar Title - 50	Cyber Security Challenges in Aviation Communication, Navigation and Surveillance
50	Justifications	SDG-16: Peace, Justice and Strong Institutions This work strengthens aviation cybersecurity by protecting critical communication and surveillance systems from cyber threats. SDG-9: Industry, Innovation and Infrastructure The study enhances resilient aviation infrastructure through advanced cybersecurity mechanisms.
51	Seminar Title - 51	Artificial Intelligence Chip Development
51	Justifications	SDG-9: Industry, Innovation and Infrastructure AI chip development advances high-performance computing and intelligent system infrastructure. SDG-8: Decent Work and Economic Growth Innovation in AI hardware creates skilled employment and drives growth in the technology sector.

52	Seminar Title - 52	CNN Implementation Strategies for Enhancing and Classification of Images
52	Justifications	SDG-9: Industry, Innovation and Infrastructure Optimized CNN strategies improve digital image processing and analysis infrastructure. SDG-4: Quality Education Image classification tools support visual learning and academic research applications.
53	Seminar Title - 53	AI Models for Green Communication Towards 6G
53	Justifications	SDG-7: Affordable and Clean Energy The research promotes energy-efficient communication systems for future wireless networks. SDG-13: Climate Action Reduced energy consumption in communication technologies helps lower carbon emissions.
54	Seminar Title - 54	Replay Attack Detection in Smart Cities Using Deep Learning
54	Justifications	SDG-11: Sustainable Cities and Communities The system improves the security of smart city services and urban digital infrastructure. SDG-16: Peace, Justice and Strong Institutions Deep learning-based detection protects public systems from cyber-attacks.
55	Seminar Title - 55	Designing a Learning Trajectory Using Generative AI Models for Middle School Students
55	Justifications	SDG-4: Quality Education Generative AI enables personalized learning paths and improves student engagement. SDG-9: Industry, Innovation and Infrastructure The work supports innovation in digital education platforms.
56	Seminar Title - 56	Biometric Technology Using AI
56	Justifications	SDG-16: Peace, Justice and Strong Institutions AI-based biometric systems enhance identity security and trust in digital systems. SDG-9: Industry, Innovation and Infrastructure The study advances secure authentication infrastructure.
57	Seminar Title - 57	Deep Learning in Ultrasound Imaging
57	Justifications	SDG-3: Good Health and Well-Being Deep learning improves ultrasound image interpretation for accurate medical diagnosis. SDG-9: Industry, Innovation and Infrastructure The work strengthens intelligent medical imaging infrastructure.
58	Seminar Title - 58	Optical Character Recognition

58	Justifications	SDG-4: Quality Education OCR supports digitization of learning materials and improves access to education. SDG-9: Industry, Innovation and Infrastructure The technology enhances digital documentation and automation systems.
59	Seminar Title - 59	IoT Based Smart Agriculture
59	Justifications	SDG-2: Zero Hunger Smart agriculture improves crop monitoring and productivity, supporting food security. SDG-9: Industry, Innovation and Infrastructure IoT technologies strengthen modern agricultural infrastructure.
60	Seminar Title - 60	Cloud-Based Smart Health Care Management System Using Blue Eyes Technology
60	Justifications	SDG-3: Good Health and Well-Being The system enhances patient monitoring and healthcare management efficiency. SDG-9: Industry, Innovation and Infrastructure Cloud platforms support scalable and intelligent healthcare infrastructure.
61	Seminar Title - 61	Phishing URL Detection: A Real Case Scenario Through Login URLs
61	Justifications	SDG-16: Peace, Justice and Strong Institutions The work prevents cyber fraud by detecting phishing attacks in online systems. SDG-9: Industry, Innovation and Infrastructure Machine learning improves secure digital communication infrastructure.
62	Seminar Title - 62	Credit Card Fraud Detection Using Deep Learning
62	Justifications	SDG-16: Peace, Justice and Strong Institutions The system protects financial transactions and strengthens trust in digital finance. SDG-9: Industry, Innovation and Infrastructure Deep learning enhances innovation in financial security systems.
63	Seminar Title - 63	A Card Game for Collecting Human-Perceived Similarity Data of Artwork Images
63	Justifications	SDG-4: Quality Education The interactive approach supports learning and research in visual perception. SDG-9: Industry, Innovation and Infrastructure Innovative data collection methods support AI and multimedia research infrastructure.
64	Seminar Title - 64	Artificial Intelligence and Edge Computing:Enabled Web Spam Detection for Next-Generation IoT Applications

64	Justifications	SDG-16: Peace, Justice and Strong Institutions The solution protects IoT environments from malicious web spam attacks. SDG-9: Industry, Innovation and Infrastructure Edge-AI integration strengthens secure and scalable IoT infrastructure.
65	Seminar Title - 65	A Secure Blockchain Platform for Supporting AI-Enabled IoT Applications at the Edge Layer
65	Justifications	SDG-9: Industry, Innovation and Infrastructure Blockchain ensures secure, decentralized, and reliable IoT infrastructure. SDG-16: Peace, Justice and Strong Institutions The platform promotes transparency and trust in distributed digital systems.