

Initiatives and Implementation of Sustainable Development Goals (SDGs)

KITS Warangal

Department Name: Computer Science & Engineering (Networks)

AY 2025–26

S. No	Name of the Faculty	Title of the Paper	SDGs Addressed	SCI / Scopus
1	Dr. V. Chandrashekhar	Hybrid AI-Based Threat Prediction and Mitigation Framework for Securing Cloud Storage	SDG 9 – Industry, Innovation and Infrastructure	SCI
2	Dr. A. Godavari	File-Aware Distributed Deduplication System for Cloud Environment	SDG 9 – Industry, Innovation and Infrastructure	SCI
3	Jelli Sathish	SpeakVision: Real-Time Object Recognition and Natural Language Audio Feedback for Assistive Vision Systems	SDG 3 – Good Health & Well-Being	Conference (ICACRS)
4	Jelli Sathish	IoT-Based Vehicle Accident Detection System with Real-Time Visual Logging for Emergency Response and Insurance Analytics	SDG 3 – Good Health & Well-Being	Conference (ICACRS)
5	Jelli Sathish	A Real-Time Edge Anomaly Filtering Framework for Reliable LoRa-Based Smart Agriculture	SDG 12 – Responsible Consumption & Production	Conference (ICACRS)
6	P. Priyanka	IoT-Based Vehicle Accident Detection System with Real-Time Visual Logging for Emergency Response and Insurance Analytics	SDG 3 – Good Health & Well-Being	Conference (ICACRS)
7	P. Priyanka	A Real-Time Edge Anomaly Filtering Framework for Reliable LoRa-Based Smart Agriculture	SDG 12 – Responsible Consumption & Production	Conference (ICACRS)
8	Y. Soujanya Reddy	A Real-Time Edge Anomaly Filtering Framework for Reliable LoRa-Based Smart Agriculture	SDG 12 – Responsible Consumption & Production	Conference (ICACRS)
9	Y. Soujanya Reddy	SpeakVision: Real-Time Object Recognition and Natural Language Audio Feedback for Assistive Vision Systems	SDG 3 – Good Health & Well-Being	Conference (ICACRS)
10	Y. Soujanya Reddy	IoT-Based Vehicle Accident Detection System with Real-Time Visual Logging for Emergency Response and	SDG 3 – Good Health & Well-Being	Conference (ICACRS)

		Insurance Analytics		
11	U. Swetha	SpeakVision: Real-Time Object Recognition and Natural Language Audio Feedback for Assistive Vision Systems	SDG 3 – Good Health & Well-Being	Conference (ICACRS)

AY 2024–25

S. No	Name of the Faculty	Title of the Paper	SDGs Addressed	SCI / Scopus / Conference
1	Dr. V. Shankar	Crop Disease Detection by Deep Joint Segmentation and Hybrid Classification Model: A CAD-Based Agriculture Development System	SDG 9 – Industry, Innovation and Infrastructure	SCI
2	Dr. S. Venkatramulu	Smart Healthcare Data Protection and Analysis through Fuzzy-Based Cyber Security	SDG 3 – Good Health and Well-being	Scopus
3	Dr. A. Godavari	Multi-Dimensional Machine Intelligence Technique on High Computational Data for Big Data Analytics	SDG 9 – Industry, Innovation and Infrastructure	Scopus
4	Dr. V. Chandra Shekhar Rao	AI-Driven Framework for Smart Farming: Enhancing Crop Productivity through Climate-Aware Decision Support	SDG 11 – Sustainable Cities and Communities	Scopus
5	Dr. B. Sridhara Murthy	Diagnosis and Analysis of Hyper-Tuning Deep Learning Model for Automatic Diagnosing Celiac Disease	SDG 3 – Good Health and Well-being	Scopus
6	Sri V. Srinivas	Deep Learning-Based Early Detection of Crop Diseases Using Leaf Image Analysis in Smart Agricultural Systems	SDG 9 – Industry, Innovation and Infrastructure	Scopus
7	Dr. B. V. Pranay Kumar	AI-Powered Adaptive Fertilizer Recommendation System Using Soil and Weather Data	SDG 9 – Industry, Innovation and Infrastructure	Scopus
8	Dr. V. Swathy	Comprehensive Literature Review of Vehicle License Plate Detection Methods	SDG 11 – Sustainable Cities and Communities	SCI
9	Dr. V. Swathy	A Novel Political Optimizer-Based Feature Selection with an Optimal Machine Learning Model for Financial Crisis Prediction	SDG 9 – Industry, Innovation and Infrastructure	SCI
10	Dr. V. Swathy	Deep Learning-Based Sarcasm Detection and Classification Model	SDG 9 – Industry, Innovation and Infrastructure	SCI
11	Dr. Kumar	Comprehensive Literature	SDG 11 – Sustainable Cities	SCI

	Dorthi	Review of Vehicle License Plate Detection Methods	and Communities	
12	Dr. S. Venkatramulu	Cluster Head Selection for Single and Multiple Data Sinks in Heterogeneous WSN Using Wild Horse Optimization	SDG 9 – Industry, Innovation and Infrastructure	Conference (IEEE)
13	Dr. V. Swathy	Predicting Types of Genetic Disorder – Multiple Classifiers Approach	SDG 3 – Good Health and Well-being	Conference (IEEE)
14	Dr. V. Swathy	Spatial Relational Features Generation Using Encoded Geometry for Character Recognition	SDG 9 – Industry, Innovation and Infrastructure	Conference (IEEE)

AY 2023–24

S. No	Name of the Faculty	Title of the Paper	SDGs Addressed	SCI / Scopus / Conference
1	Dr. V. Shankar	Optimal Weighted GAN and U-Net Based Segmentation for Phenotypic Trait Estimation of Crops	SDG 12 – Responsible Consumption and Production	SCI
2	Dr. V. Shankar	ECG-Based Heartbeat Classification Using Optimizer-Trained Deep Learning for Arrhythmia Detection	SDG 3 – Good Health and Well-being	SCI
3	Dr. V. Swathy	Bi-Directional LSTM-Based Diabetic Retinopathy Detection Using Retinal Fundus Images	SDG 3 – Good Health and Well-being	SCI
4	Dr. A. Godavari	Hybrid Deduplication System with Content-Based Cache for Cloud Environment	SDG 9 – Industry, Innovation and Infrastructure	SCI
5	Dr. Jothiprabha	CNN-Based Lung Cancer Prediction Using Enhanced Hyperparameter Optimization	SDG 3 – Good Health and Well-being	SCI
6	Dr. Jothiprabha	Prediction of Dyslexia Severity Levels Using Eye-Movement and Machine Learning	SDG 3 – Good Health and Well-being	SCI
7	Dr. B. Hanumanthu	Rough Set-Based Feature Selection for Prediction of Breast Cancer	SDG 3 – Good Health and Well-being	SCI
8	Dr. S. Venkatramulu	Violation of Traffic Rules and Detection of Sign Boards	SDG 11 – Sustainable Cities and Communities	Scopus
9	Dr. S. Venkatramulu	NABGames: Nash Bargaining Game for Improving Coverage in UAVs	SDG 9 – Industry, Innovation and Infrastructure	Scopus
10	Dr. S. Venkatramulu	Smart Communication Protocol and IoT for Waste Management System	SDG 11 – Sustainable Cities and Communities	Scopus

S. No	Name of the Faculty	Title of the Paper	SDGs Addressed	SCI / Scopus / Conference
1	Dr. V. Chandra Shekhar Rao	Multilayer Stacked Probabilistic Belief Network-Based Brain Tumor Segmentation and Classification	SDG 3 – Good Health and Well-being	SCI
2	Dr. S. Venkataramulu	A Novel Blockchain Approach for Improving the Security and Reliability of Wireless Sensor Networks Using Jellyfish Search Optimizer	SDG 9 – Industry, Innovation and Infrastructure	SCI
3	Dr. B. Sridhara Murthy	A Novel Intelligent Intrusion Prevention Framework for Network Applications	SDG 11 – Sustainable Cities and Communities	SCI
4	Dr. B. Hanumanthu	Weighted Ensemble CNN for Lung Nodule Classification: An Evolutionary Approach	SDG 3 – Good Health and Well-being	SCI
5	Dr. Soora Narasimha Reddy	Multi-Modal Fusion of Deep Transfer Learning-Based COVID-19 Diagnosis and	SDG 3 – Good Health and Well-being	SCI

		Classification Using Chest X-Ray Images		
6	Dr. Soora Narasimha Reddy	Deep Active Contour-Based Capsule Network for Medical Image Segmentation	SDG 3 – Good Health and Well-being	SCI
7	Dr. A. Jothiprabha	Machine Learning-Based Modelling and Predictive Maintenance of Turning Operation under Cooling/Lubrication	SDG 9 – Industry, Innovation and Infrastructure	SCI
8	Dr. Jothiprabha	Prediction of Dyslexia Severity Levels from Fixation and Saccadic Eye Movement Using Machine Learning	SDG 3 – Good Health and Well-being	SCI
9	Dr. Kumar Dorthi	Integrated Slope Monitoring System for Slope Stability over Old Underground Galleries Using IoT	SDG 11 – Sustainable Cities and Communities	SCI
10	Dr. D. Kumar	Plant Disease Prediction Using Image Processing and Deep Convolutional Neural Network	SDG 9 – Industry, Innovation and Infrastructure	Conference
11	Dr. D. Kumar	Detection of Fake News Using Machine Learning Approach	SDG 11 – Sustainable Cities and Communities	Conference
12	Dr. V. Shankar	CBES: A Framework for Cloud-Based E-Learning System at SaaS Level	SDG 9 – Industry, Innovation and Infrastructure	Conference
13	Dr. Jothi Prabha Appadurai	Image-Based Detection of Dyslexic Readers Using Enhanced Deep Transfer Learning Paradigm	SDG 3 – Good Health and Well-being	Conference

Academic Year: AY- 2021–22

S. No	Name of the Faculty	Title of the Paper	SDGs Addressed	SCI / Scopus / Conference
1	Dr. V. Shankar	Advanced Energy Efficient Scheduling of Servers in Cloud	SDG 9 – Industry, Innovation & Infrastructure	Scopus (Journal)
2	Dr. A. Jothiprabha	Eye Movement Feature Set and	SDG 3 – Good Health & Well-	ESCI & Scopus (Journal)



		Predictive Model for Dyslexia	Being	
3	Dr. B. Hanumanthu	Handling Uncertainty Using Optimal Clustering with Rough Sets-Based Rule Generation Model for Data Classification	SDG 9 – Industry, Innovation & Infrastructure	SCIE & Scopus (Journal)
4	Dr. B. Hanumanthu	Design of Metaheuristic Rough Set Based Feature Selection and Rule-Based Medical Data Classification Model on MapReduce Framework	SDG 3 – Good Health & Well-Being	Scopus (Journal)
5	Dr. S. Kiran	Road Identification Through Efficient Edge Segmentation Based on Morphological Operations	SDG 9 – Industry, Innovation & Infrastructure	SCIE & Scopus (Journal)
6	Sri D. Ramesh	Dengue Symptoms Classification Analysis with Improved Conditional Probability Decision Analysis	SDG 3 – Good Health & Well-Being	SCI (Journal)
7	Ms. S. Divya	A Survey on Genomic Dataset for Predicting the DNA Abnormalities Using ML	SDG 3 – Good Health & Well-Being	ESCI (Journal)
8	Mrs. T. Shruthi	Design and Implementation of IoT-Based Real-Time Monitoring System for Safe Drinking Water Using Arduino Uno	SDG 9 – Industry, Innovation & Infrastructure	Scopus (Journal)