





Department of Computer Engineering
A.Y. 2023-24
Major Project (Sem VII)
Sustainable Development Goals Mapping

Sr. No.	Title of the Proposal	SDG Number	SDG Name	Potential Applicability
1	Sanjeevni	3	Good Health and Well-Being	Supports AI-based diagnostics and improved healthcare delivery.
2	Cloud orchestration and deployment	9	Industry, Innovation and Infrastructure	Enhances scalable and resilient IT infrastructure.
3	Aquomist	6	Clean Water and Sanitation	Promotes water efficiency and quality through smart solutions.
4	LanGANerator: Language Repository for Regional Languages	4	Quality Education	Preserves regional languages and promotes inclusive learning.
5	Classification Using Knowledge Graph	9	Industry, Innovation and Infrastructure	Enhances intelligent data management for informed decisions.
6	DeepDetec	9	Industry, Innovation and Infrastructure	Improves quality control and defect detection in industries.
7	Advanced Healthcare: Diagnosis Detecting Parkinson Disease through Eye images	3	Good Health and Well-Being	Aids early disease detection for improved patient outcomes.
8	CricSpeakAI: Unleashing the Next-Gen Cricket Commentary	9	Industry, Innovation and Infrastructure	Innovates media content generation using AI.
9	Personalized Diet Recommendation System for Disease Prevention	3	Good Health and Well-Being	Provides preventive healthcare through nutrition personalization.
10	A model which predicts the speech by using lip reading techniques	10	Reduced Inequalities	Enhances accessibility for the hearing impaired.
11	Textile Defect Detection	9	Industry, Innovation and Infrastructure	Boosts manufacturing efficiency and product quality.
12	Multilingual sentiment analysis tool	10	Reduced Inequalities	Facilitates communication and understanding across diverse communities.
13	SkyBoard	4	Quality Education	Enhances digital teaching and learning experiences.
14	SOTA prompt Music Generation	8	Decent Work and Economic Growth	Encourages creative innovation in the music industry.
15	Personalized Exercise and Fitness Recommender	3	Good Health and Well-Being	Promotes active lifestyle and wellness through AI.
16	Smart Security Insight Analyzer	11	Sustainable Cities and Communities	Strengthens public safety through intelligent surveillance.
17	GuardianEye: A Holistic Parental Control Solution	16	Peace, Justice and Strong Institutions	Protects children online and ensures digital safety.
18	Financial Fraud Detection (Insider Trading)	16	Peace, Justice and Strong Institutions	Enhances transparency and security in financial systems.
19	Vulnerability Detection and Correction Tool	9	Industry, Innovation and Infrastructure	Fortifies systems against cyber vulnerabilities.
20	Automated Quizzing Tool Using Natural Language Processing	4	Quality Education	Enables scalable and intelligent education assessment.
21	Text to Image Generation Tool Using Stable Diffusion	9	Industry, Innovation and Infrastructure	Advances AI-driven creativity and visual content creation.
22	Alzheimer's Guardian (AzGuardian)	3	Good Health and Well-Being	Assists in monitoring and supporting dementia patients.
23	Assistive Technology Framework for Bridging Communication Gaps	10	Reduced Inequalities	Empowers people with disabilities through accessible tech.
24	Pneumonia Detection	3	Good Health and Well-Being	Aids early disease identification through medical imaging.

25	EnlightenAI: Your LLM-Enhanced Teaching Companion	4	Quality Education	Supports educators and personalized student learning.
26	Home Automation Using Gestures	11	Sustainable Cities and Communities	Improves home accessibility and smart living.
27	Phantom Limb Pain Management Using VR	3	Good Health and Well-Being	Provides pain relief for amputees using virtual therapy.
28	AI-Driven Foul Messages Flagging	16	Peace, Justice and Strong Institutions	Promotes safer, more inclusive digital communities.
29	Sketch to Image Generation using GANs	9	Industry, Innovation and Infrastructure	Powers design and content creation with generative AI.
30	CryptonamiX: The Futuristic Crypto Predictor	8	Decent Work and Economic Growth	Strengthens crypto market forecasting and fintech innovation.
31	SmartSpot: Intelligent Geolocation Attendance System	4	Quality Education	Streamlines classroom attendance using smart tracking.
32	SafeSage – Monitoring System for Disabled and Elderly	3	Good Health and Well-Being	Supports independent living through assistive monitoring.
33	Image Thresholding Optimization	9	Industry, Innovation and Infrastructure	Enhances image processing in industrial applications.
34	TruthNet: Advanced Fake News Detection	16	Peace, Justice and Strong Institutions	Counters misinformation and promotes truth in media.
35	Signature Authentication on Bank Cheques	16	Peace, Justice and Strong Institutions	Mitigates financial fraud through biometric verification.
36	Satellite-Based Vegetation Monitoring	15	Life on Land	Supports environmental conservation and land management.
37	Voice Cloning on Music using GAN	9	Industry, Innovation and Infrastructure	Innovates in voice technology for media and entertainment.
38	Personal Remote Git Server	9	Industry, Innovation and Infrastructure	Enables secure and independent software development workflows.
39	Anomalous Behaviour Detection in Surveillance Footage	11	Sustainable Cities and Communities	Enhances urban safety through AI-based surveillance.
40	Legal Document Classification using Contrastive Learning	16	Peace, Justice and Strong Institutions	Streamlines legal processes and access to justice.
41	Fraud Detection in Ethereum	16	Peace, Justice and Strong Institutions	Secures blockchain networks and builds institutional trust.
42	Lightweight Encryption for IoT Devices on MQTT	9	Industry, Innovation and Infrastructure	Secures data for IoT ecosystems and connected devices.
43	Conversational Fashion Outfit Generator	9	Industry, Innovation and Infrastructure	Personalizes retail experiences through AI styling.
44	AI-based Predictive Modelling for Hybrid Rice Development	2	Zero Hunger	Enhances agricultural yield and food security.
45	Gesture Control Wheelchair with EEG Integration	3	Good Health and Well-Being	Promotes mobility independence for individuals with disabilities.
46	Predicting Energy Output of Wind Turbine	7	Affordable and Clean Energy	Optimizes renewable energy generation and planning.
47	careerPlus.AI	8	Decent Work and Economic Growth	Guides learners to suitable careers and skill paths.
48	ExamMentorAI	4	Quality Education	Offers personalized exam preparation through AI mentoring.
49	Text to Video Synthesis using Deep Learning	9	Industry, Innovation and Infrastructure	Transforms content creation through multimodal AI tools.

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