



Department of Information Technology
Academic Year: 2025-26

Domain-wise Segregation and Thematic Mapping of Final Year Student Projects

To better understand the academic focus and technological orientation of final year students, the completed projects have been systematically segregated into broad domains such as Artificial Intelligence, Cybersecurity, Software Systems, Healthcare, IoT, and others. This classification highlights the distribution of work across core and emerging areas of Computer Science and Information Technology. Further, the projects have been mapped into categories including AI-driven systems, Core Computing, Interdisciplinary applications, and Product-oriented solutions. Such domain-wise analysis helps in identifying prevailing trends, measuring alignment with industry and research directions, and supporting outcome-based academic evaluation and curriculum planning.

The following table summarizes the projects and SDG mapping:

Sr	Project Title	Broad Domain	Sub-Domain	Primary SDG	Secondary SDG	Category
1	Smart Sip and Puff: remote mouse control	Healthcare / Assistive Tech	Human Computer Interaction	SDG 10	SDG 3	Interdisciplinary
2	SympAI: Safe Self-Medication Guidance	Healthcare / Medical AI	Clinical Decision Support	SDG 3	SDG 9	AI
3	Real-time User Activity Monitoring	Software Systems	Behaviour Analytics	SDG 9	SDG 11	Core
4	Misinformation Detection in Hindi & Gujarati News	AI / ML	NLP / Fake News Detection	SDG 16	SDG 4	AI
5	AI Powered Fraud Detection	Business / FinTech	Financial Security	SDG 8	SDG 16	AI
6	DNS Filtering using Threat Intelligence	Cybersecurity	Network Security	SDG 16	SDG 9	Core
7	AI-Driven Customer Support	AI / Enterprise Systems	Conversational AI	SDG 8	SDG 9	Product
8	Ethical AI for Bird Monitoring	Environment / Sustainability	Ecological AI	SDG 13	SDG 12	Interdisciplinary
9	FlexRoute Intelligent Routing	Networking / Systems	Network Routing	SDG 9	—	Core
10	AI-Powered Enterprise	AI / Enterprise	Knowledge Systems	SDG 9	SDG 4	Product



	Knowledge Platform					
11	XAI Deepfake Lip-Speech Detection	AI / Vision	Deepfake Detection	SDG 16	SDG 12	AI
12	Aerial Imagery Analysis	AI / Computer Vision	Remote Sensing	SDG 13	SDG 9	AI
13	Oil Spill Detection	Environment / Remote Sensing	Marine Monitoring	SDG 13	SDG 14	Interdisciplinary
14	ISL Translator	Assistive Tech	Sign Language Processing	SDG 10	SDG 3	AI
15	Multiagent AI Video Editing	AI / Multimedia	Generative AI	SDG 9	—	Product
16	Early Dementia Detection	Healthcare / Medical AI	Neurological Prediction	SDG 3	—	AI
17	Detection of AI-Generated Videos	AI / Vision	Media Forensics	SDG 16	SDG 12	AI
18	Client Risk Assessment Platform	FinTech	Risk Analytics	SDG 8	SDG 9	Product
19	Assistive Communication for Autistic Children	Healthcare / Assistive	Autism Support	SDG 3	SDG 10	AI
20	Agentic UI Testing	Software Engineering	Automated Testing	SDG 9	—	Core
21	Virtual Try-On using Generative AI	AI / Vision	Generative Graphics	SDG 9	SDG 12	AI
22	Face De-Identification using GAN	AI / Privacy	Privacy Vision	SDG 16	—	AI
23	Web Vulnerability Scanner	Cybersecurity	Web Security	SDG 16	—	Core
24	AI Documentation Generator	AI / NLP	Automated Writing	SDG 4	SDG 9	Product
25	RAG Technical Document Analysis	AI / NLP	Retrieval Systems	SDG 4	SDG 9	AI
26	Pollution Source & Health Risk Forecasting	Environment / Health AI	Environmental Analytics	SDG 13	SDG 3	AI



27	MediChain Medical Data Management	Blockchain / Healthcare	Health Records	SDG 3	SDG 16	Interdisciplinary
28	Red vs Blue AI Security Simulation	Cybersecurity	AI Security	SDG 16	SDG 9	Core
29	Image Processing Speedup	Software Systems	Optimization	SDG 9	—	Core
30	IMO Tutoring System	Education Tech	Learning AI	SDG 4	—	Product
31	Matching Engine Manipulation Detection	FinTech / AI	Market Surveillance	SDG 8	SDG 16	AI
32	Multilingual AI Chatbot	AI / NLP	Conversational AI	SDG 9	SDG 8	Product
33	AI Recruitment & HR Automation	Business Systems	HR Analytics	SDG 8	—	Product
34	Multi-Agent AI Interview System	AI / HR Tech	Interview Automation	SDG 8	SDG 9	AI
35	Robust Detection of AI Media	AI / Vision	Media Forensics	SDG 16	—	AI
36	Medical Image Classification	Healthcare AI	Diagnostic Imaging	SDG 3	—	AI
37	GateKeeper Policy for RAG Security	Cybersecurity	Secure AI Systems	SDG 16	SDG 9	Core
38	Visual Speech Recognition	AI / Speech	Multimodal Speech	SDG 10	SDG 3	AI
39	Emotion Analysis CNN-LSTM	AI / NLP	Sentiment Analysis	SDG 3	SDG 9	AI
40	Self-Healing Code	AI / Software	Automated Debugging	SDG 9	—	AI
41	AI + AR Immersive Shopping	AR/VR + AI	Retail Tech	SDG 8	SDG 9	Product
42	AI Marketing Cloud	AI / Business	Marketing Analytics	SDG 8	—	Product
43	Atrial Fibrillation Detection	Healthcare AI	Cardiac Prediction	SDG 3	—	AI
44	Privacy-Preserving DNA Storage	Bio + Security	Genomic Security	SDG 16	SDG 3	Interdisciplinary



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45	Offline Emergency Mesh Communication	Networking	Emergency Systems	SDG 11	SDG 9	Core
46	Demographic Prediction + Forensic Sketch	AI / Vision	Forensic AI	SDG 16	—	AI
47	KG Benchmark for LLM Evaluation	AI / NLP	LLM Evaluation	SDG 4	SDG 9	Core
48	Prescription Recognition Blockchain	Healthcare AI	Medical OCR	SDG 3	SDG 16	Interdisciplinary
49	Language-to- Trade Financial Framework	AI + FinTech	Trading AI	SDG 8	—	AI
50	Adaptive Learning Pathway	AI / Education	Recommendation	SDG 4	—	AI
51	Intelligent Banking Support	FinTech	Banking Automation	SDG 8	—	Product
52	AI Gateway Threat Detection	Cybersecurity	AI Security	SDG 16	SDG 9	Core
53	Identity Document OCR API	AI / Vision	Document AI	SDG 16	SDG 9	Product
54	Air Quality Monitoring System	Environment	Environmental Monitoring	SDG 13	SDG 3	Core

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