

Sr.	Problem Title	Problem Description	Problem	Domain
1	<b>Zero-Knowledge Proof Authentication System</b>	Implement a blockchain-based authentication system using zero-knowledge proofs (ZKP) to verify user identities without revealing sensitive information.	SITN-R1-CB-1	Cyber Security and Blockchain
2	<b>AI-Based Phishing Detection</b>	Propose a solution to detect phishing emails using machine learning	SITN-R1-CB-2	Cyber Security and Blockchain
3	<b>Personalized Learning System</b>	Design an AI-based e-learning system that adapts content based on a student's learning pace.	SITN-R1-AM-1	AI/ML
4	<b>AI-Based Sign Language Translator</b>	Create a model that converts sign language gestures into text or speech in real time.	SITN-R1-AM-2	AI/ML
5	<b>IoT-Powered Wildfire Detection System</b>	Design an IoT-based solution that monitors environmental conditions to detect and predict wildfires.	SITN-R1-IOT-1	IoT
6	<b>IoT-Based Smart Parking System</b>	Design an IoT solution to detect and display available parking spots in a city using sensors.	SITN-R1-IOT-2	IoT
7	<b>Serverless Online Examination System</b>	Design a scalable and secure cloud-based online examination platform using serverless computing.	SITN-R1-CC-1	Cloud Computing
8	<b>Cloud-Based AI Video Analytics</b>	Develop a cloud-based system to process and analyze CCTV footage for security and anomaly detection.	SITN-R1-CC-2	Cloud Computing
9	<b>Crime Rate Prediction</b>	Use historical crime data to predict future crime hotspots in a city	SITN-R1-DA-1	Data Science and Analytics
10	<b>Traffic Flow Prediction in Smart Cities</b>	Develop a model that analyzes past traffic data to predict congestion and suggest alternative routes.	SITN-R1-DA-2	Data Science and Analytics