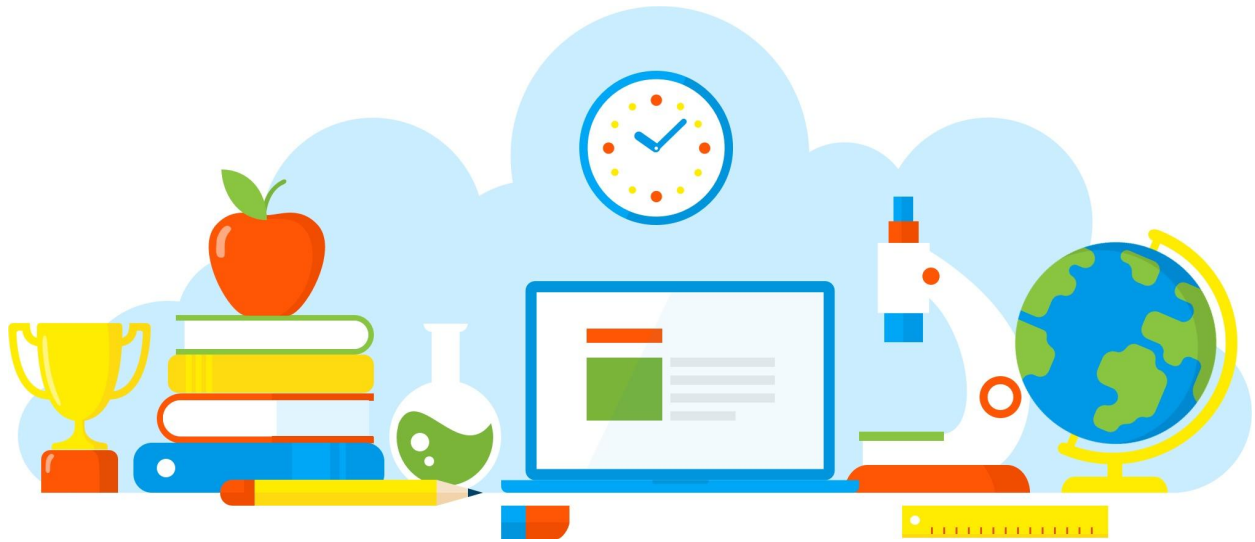




SRIT TECHNOVATION HACKATHON

[PROBLEM STATEMENTS OF STH 2023]

DEPARTMENT OF INFORMATION TECHNOLOGY
[SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY]

S.No	Problem Statement Code	Themes	Problem Statement
1	STH001	Smart Citizen, Governance, Amenities and Facilities Design	Design system for handling solid waste of municipal market like vegetables, fruits etc. using smart dustbin and android application
2	STH002	Smart Citizen, Governance, Amenities and Facilities Design	Develop a system for high compression and decompression of photographs and documents without loss of Quality.
3	STH003	Smart Citizen, Governance, Amenities and Facilities Design	Identification of Missing Bridges which would increase the connectivity between regions
4	STH004	Smart Education	Develop a web application for a committee which can be helpful for student and training firms who are connected in that, it is a portal where people can visit with the app and register in the firm. Students can view fees and fees receipt in application.
5	STH005	Smart Education	An Online System for Mentoring Student for Education Institute
6	STH006	Smart Education	Student attendance system using face recognition.
7	STH007	Smart Health and Hygiene	Health Card: We have Aadhar card, PAN card, Voter ID, driving license like identity proofs for our day-to-day transactions, but we have a major missing that is our health card, which manages our day-to-day health history like disease, allergy etc. And the same card is used everywhere in private and public hospitals and clinics, medical stores, laboratories to track your health-related data, which the concerned entity will enter into the system. This gives very huge and important data analytics using machine learning and AI like City & Area wise allergy or disease etc. This will give on time information to health authorities so that action can be taken at the right time and thus it can save many people from becoming victims of some viral disease. We aim to gather only health related data, so we are not aiming to involve any economical transaction into the system.

8	STH008	Smart Health and Hygiene	A simplified app for assessment of reading and writing difficulties in persons with Specific Learning Disabilities.
9	STH009	Smart Health and Hygiene	Build an application that can calculate SpO2, Blood Pressure, Stress or any other possible body vitals using a Smartphone. Applications that can help do screening for any conditions for people to take a decision to do a Dr consultation are also welcome.
10	STH010	Smart Safety, Security & Surveillance	To verify the genuineness of messages shared on social media messenger.
11	STH011	Smart Safety, Security & Surveillance	Speech to Text App customized for police functioning in different languages.
12	STH012	Smart Safety, Security & Surveillance	Develop a Mobile App through which a citizen can check whether an unattended child is a missing child from 'Track the missing child' database of WCD Ministry using Facial Recognition Software of Delhi Police "
13	STH013	Smart Transportation	Develop a System for proving Shortest and Fastest route to Ambulance to reach it at accident place and from that place to nearest Hospital. Fastest route will be identified by less traffic on the road.
14	STH014	Smart Transportation	Use of technology in trade and logistics in reducing transportation and transaction costs.
15	STH015	Smart Transportation	Common Platform for Ports, Terminals and other Custodians.
16	STH016	Machine Intelligence	AI-based writing assistant to identify the problematic spells, incorrect grammar etc. and should have underline or highlight and also it should suggest correct options.
17	STH017	Machine Intelligence	To detect and analyse milk parameters from cattle farm to dairy collection centre using AI and IOT.
18	STH018	Machine Intelligence	Develop the Application for Digital Identity with the use of Blockchain.