PROPOSED POLICING CHALLENGES FOR HACKATHON TO BE CONDUCTED BY IIT, GUWAHATI

Following Problem Statements of Assam Police are proposed for consideration as Challenges for the Hackathon.

1.   AP-iSMART (Assam Police Integrated System for Monitoring and Alerting in Real-Time using Public and Private CCTV Camera Feeds)

- A Centralised CCTV Camera Feed Monitoring Solution, which shall ingest CCTV Camera Feeds from various participating Public and Private parties.
- The solution shall use AI/Machine Learning powered models to detect various types of incidents like Illegal Trespassing, Theft, etc.
- Integration of FRS (Facial Recognition System) with the Solution to generate real-time alerts and dissemination of the same to the field level officers.

2.   Predictive Policing using existing CCTNS Data

Based on an anonymised master data from CCTNS containing various fields like details of the complainant & accused along with their age and gender, sections of law (types of crime), places of occurrence, etc. related to criminal cases, a Detailed Analysis of the data including Statistical and Predictive models which shall assist Assam Police in Crime Detection and Prevention.

3.   Smart Naka

There is a database of stolen vehicles in the Vaahan portal maintained by the Ministry of Road Transport and Highways, Government of India. We need to create a mobile app integrating with Vaahan portal through API so that a constable executing naka at the road can check the details of a suspicious vehicle in his mobile at real time.

4.   Video Enhancement:

A software or app that can enhance a given Photo or video that will help us identify the target object. Such as vehicle number plates, rendering distorted photos, etc. that will help in the investigation.