S.No	Problem Statement ID	Problem Statement Name	Domain
19	CT-OSINT - 01	CCTV / Video Analytics	OSINT / Threat Intelligence

Description:

CCTV/Video Analytics for OSINT (Open-Source Intelligence) involves using advanced technology to analyze video footage from surveillance cameras to extract meaningful information. This tool can identify objects, track movements, detect unusual behavior, and recognize patterns or individuals of interest.

By leveraging video analytics, law enforcement, intelligence agencies, and investigators can quickly analyze large volumes of footage to gather actionable intelligence. The tool enhances situational awareness, aids investigations, and supports decision-making by providing insights from visual data.

Objectives:

1. **Automate Video Analysis:**
    - Reduce the manual effort required to review extensive CCTV footage by automating the process.
2. **Extract Intelligence:**
    - Identify and highlight critical events, objects, or individuals in video streams for investigation.
3. **Support OSINT Investigations:**
    - Leverage public and private CCTV footage to gather intelligence related to ongoing investigations or security threats.
4. **Real-Time Alerts:**
    - Generate real-time notifications for events like trespassing, loitering, or suspicious activities.
5. **Pattern Recognition:**
    - Identify repeated behaviors or movements that could indicate potential risks.

Expectations:

For Hackathon Participants:

1. **Build an Analytics Tool:**
    - Develop a prototype capable of processing video data to identify objects, faces, or anomalies.
2. **Focus on Efficiency:**
    - Ensure the tool works quickly and accurately, even with large amounts of video footage.
3. **Integrate OSINT Applications:**
    - Design the tool to incorporate publicly available video feeds or surveillance data into the analysis.
4. **User-Friendly Design:**
    - Create an interface that allows users to query, filter, and analyze video data effortlessly.
5. **Privacy Compliance:**
    - Ensure the tool respects privacy and complies with legal regulations during OSINT operations.

For OSINT Users (Law Enforcement/Investigators):

1. **Enhanced Investigative Capabilities:**
    - Gain access to detailed insights from CCTV footage to support evidence collection.
2. **Real-Time Threat Detection:**
    - Detect and respond to suspicious activities as they occur.
3. **Streamlined Data Processing:**
    - Automate the analysis of large volumes of video data to save time and resources.
4. **Collaboration Support:**
    - Share insights and findings with other teams securely and efficiently.

5. **Customizable Features:**

- Allow users to define specific events or objects of interest for targeted analysis.

Expected Results:

1. **Faster Investigations:**
   - Reduce the time needed to analyze hours of video footage by automating the process.
2. **Improved Situational Awareness:**
   - Provide real-time insights to law enforcement and OSINT teams for quicker responses.
3. **Actionable Intelligence:**
   - Highlight critical patterns, events, or individuals that are essential for investigations.
4. **Reduced Human Effort:**
   - Minimize manual labor while improving accuracy in video analysis.
5. **Scalable Analytics:**
   - Ensure the tool can handle various video feeds, from small to large-scale surveillance systems.