Operational Real-time Intelligence Observation Network

Background of the Problem: In any country or region, when someone is lost, people go to the police station and file a general diary. Then the police start to find him based on his/her last location or activities.

The police try to ask the people near the last known location and get the available CCTV footage. But the problem arises when it comes to analyzing CCTV footage. A large volume of footage needs to be analyzed manually. And there is no way to find out where he/she is now at the current moment by analyzing the footage. The only thing we get to know is, what his/her last activity was. The max scenario is, we can guess where he/she is now. But nothing confirmed about the current location.

And if he/she travels to another place, it becomes almost impossible to locate them for days or even months.

If we need to locate a criminal or mafia, they usually don't leave any lead behind to track. So police almost every time rely on the informers. If any of the informers see the targeted person, only then do police get to know where the person is. Otherwise, it is almost impossible to locate.

Solution to the problem: As a solution, we are proposing this work. A centralized system for a specific area/region. Only the government officials will have this system to use.

This proposed system will have all the person's facial information with name and other proper addresses to differentiate each person individually. Because of the dependency on image processing, the proposed system will make image resolution crucial. Better the quality of image, faster and more accurate the result will be.

When a person needs to be tracked, irrespective of whether he is lost or a criminal, the officials will have a dashboard to search for the person with the personal information. The names will appear, and they will be able to choose who needs to be tracked.

Then the system will try to locate the target from the traffic and other CCTV cameras connected. The system will try to track the person for possible match using the stock facial data from every single camera connected with the proposed system.

If there is a possible match, the system will notify with the exact location where the possible person is right now. The authorities will review the location and confirm manually if the possible match is actually the targeted person. The government official will take further actions.

The time and money will be saved, and then people will be able to locate the lost person without using so much manpower.