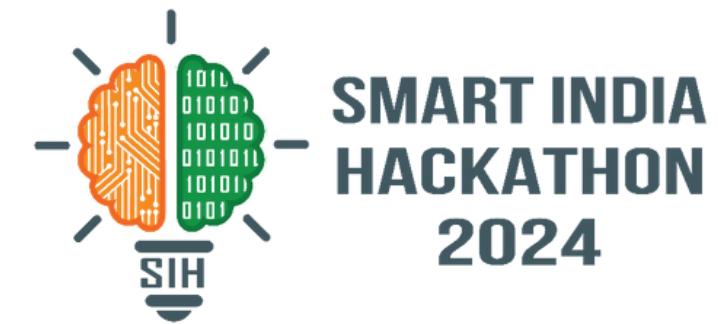


SMART INDIA HACKATHON 2024



- Problem Statement ID –1790
- Problem Statement Title- Face Recognition Surveillance System and Communication Systems for Missing Persons or Items at Simhastha Ujjain for the Police Department
- Theme- Smart Automation
- PS Category- Software
- Team ID-34306
- Team Name -Nexus Beings

Problem Introduction

The Simhastha Mela Ujjain is one of the largest religious gathering in India. Due to its large scale it faces multiple issues:

- Large volume of missing person reported.
- Ensuring Crowd safety and monitoring potential threats in such a large gathering.
- Current methods rely heavily on manual verification, prone to errors and delays.

Expected Solution

Advanced Face Recognition System

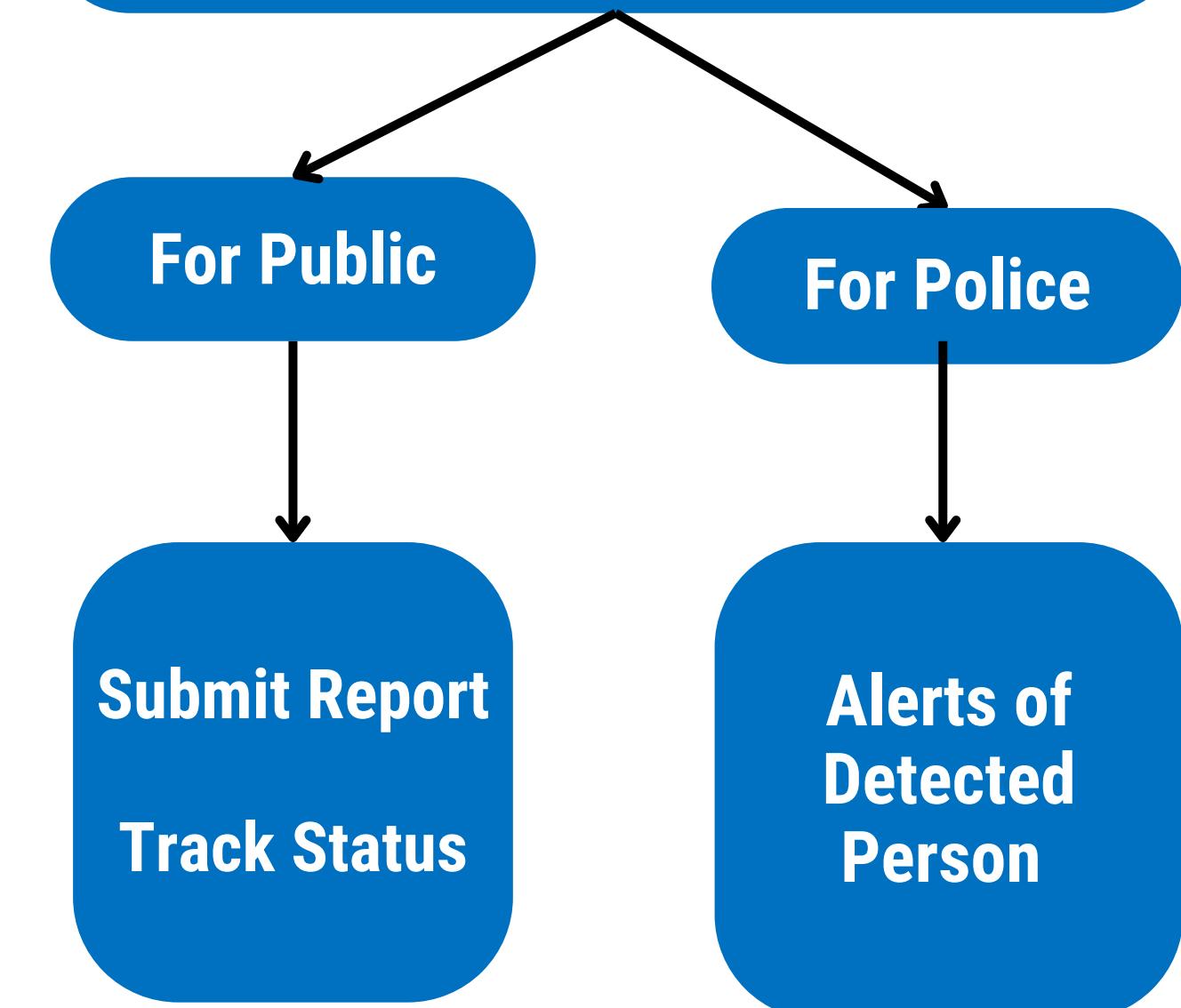
Create a Centralised Platform

Potential Threat Detection Using AI

Our Approach

- Current methods rely heavily on manual verification, prone to errors and delays.
- We propose a two-way solution called "Simhastha Suraksha".
- The solution includes "Simhastha Suraksha" app which is designed for public and Policeman.
- Public can report missing person report through our app and track the status of the report and also get alerts of potential threats
- Policeman can use the app to get alerts of detected persons , potential crime and ensure seamless communication and take appropriate action
- The solution will feature a centralised platform for Streaming all cameras, detection of missing person and potential alert threats with video and image evidences and manual verification of these alerts to send alerts to nearby concerning authorities.

Simhastha Suraksha App



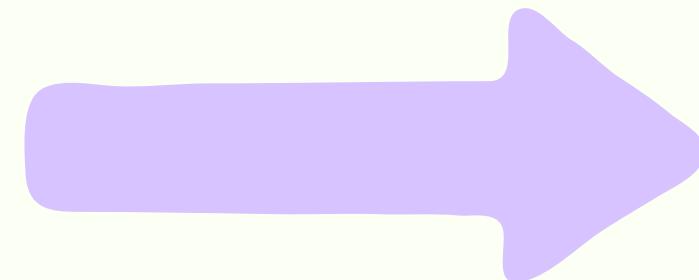


Simhastha Suraksha

For Public use only

User
SignIn/Signup

The smartphone screen displays a yellow header and footer, and a white central area for the form. The form is titled "Sign Up" and contains three input fields: "Name", "Mobile Contact", and "Password". Below the fields is a purple "SignUp" button.



After account creation public can
use sign in window for further uses

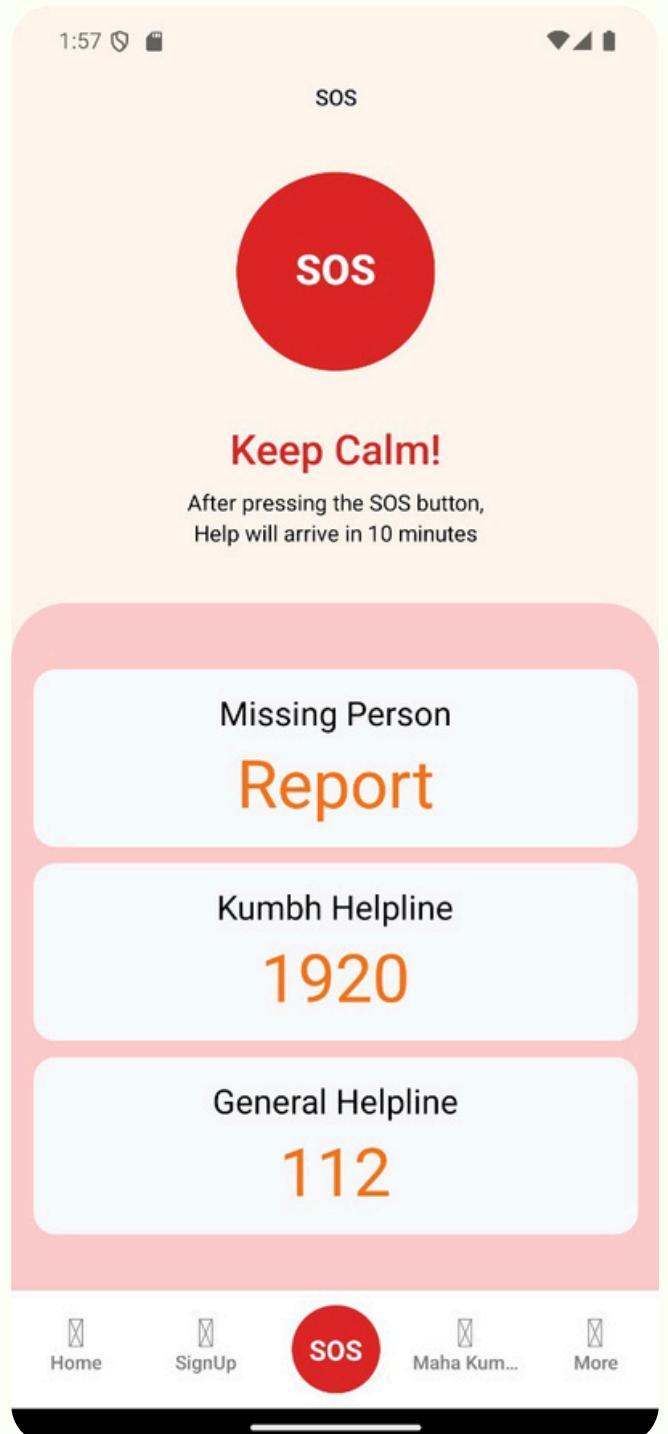
The smartphone screen displays a yellow header and footer, and a white central area for the form. The form is titled "Sign In" and contains two input fields: "Mobile Contact" and "Password". Below the fields are two purple buttons: "Login" and "SignUp". At the bottom of the screen are standard smartphone navigation icons.

Police person can use
authorised credential

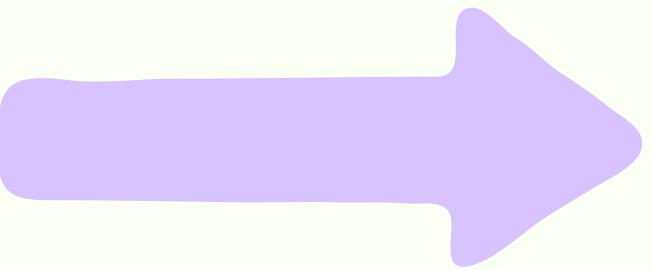


Simhastha Suraksha

Report Section

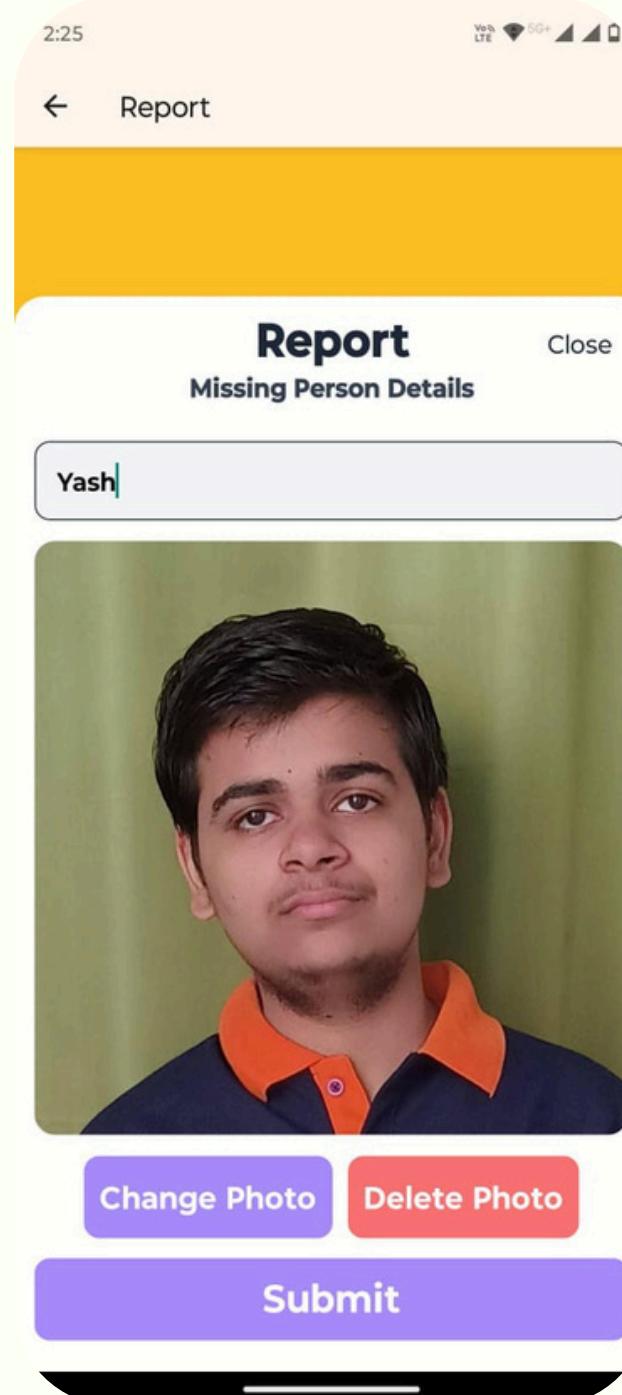


Reporting Missing Person



Click on Report

Upload Image and name of Missing Person





Simhastha Suraksha

List of all missing person at Centralised Platform

Dashboard
Madhya Pradesh Police

- [Home](#)
- [Streams](#)
- [Reports](#)
- [Report Status](#)
- [Crime Detection](#)
- [Police Records](#)

Missing Person List





Simhastha Suraksha

Detected Individuals send for manual confirmation

Dashboard Madhya Pradesh Police

- [Home](#)
- [Streams](#)
- [Reports](#)
- [Report Status](#)
- [Crime Detection](#)
- [Police Records](#)

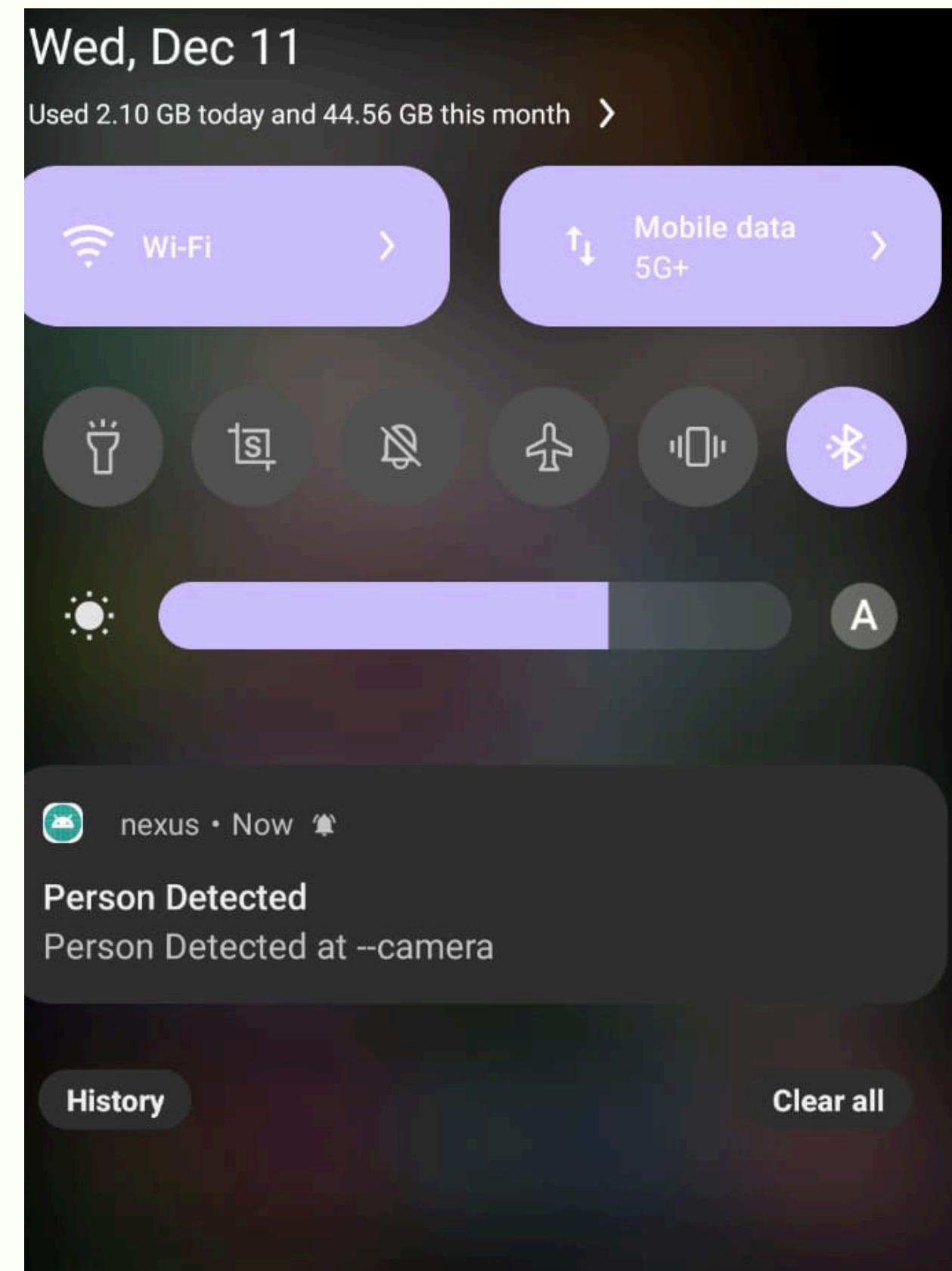
List of Searched people

S. No.	Profile Picture	Image Preview	Action
1.			Notify
1.			Notify



Simhastha Suraksha

Alert To Nearby Officer After Manual Verification



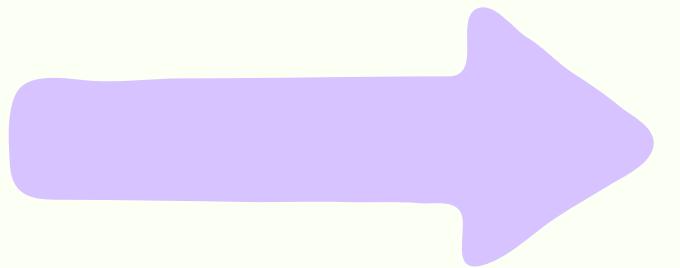


Simhastha Suraksha

Police UI

The Police UI app interface includes:

- A red SOS button at the top.
- A "Keep Calm!" message below it, stating: "After pressing the SOS button, Help will arrive in 10 minutes".
- Three main menu items: "Missing Person Report", "Missing Person List", and "Kumbh Helpline 1920".
- Bottom navigation icons: Home, SignUp, SOS (highlighted in red), Mah..., and More.



Click On Missing Person List

List Of Missing Person

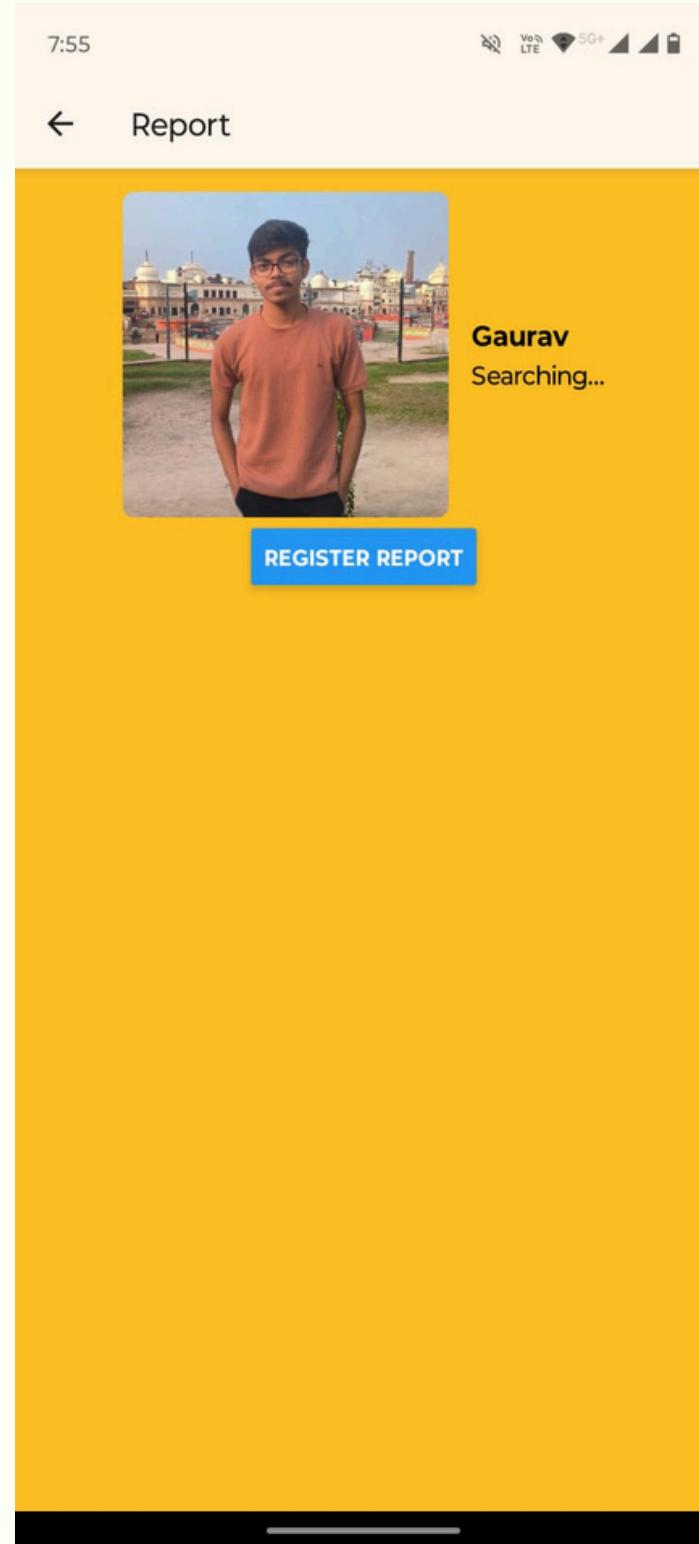
The List Of Missing Person app interface shows:

- A header "Mission Person List" with a back arrow.
- A list of two missing persons:
 - Satvic (Detected here) - A man in a maroon shirt.
 - Another man in an orange shirt standing outdoors.



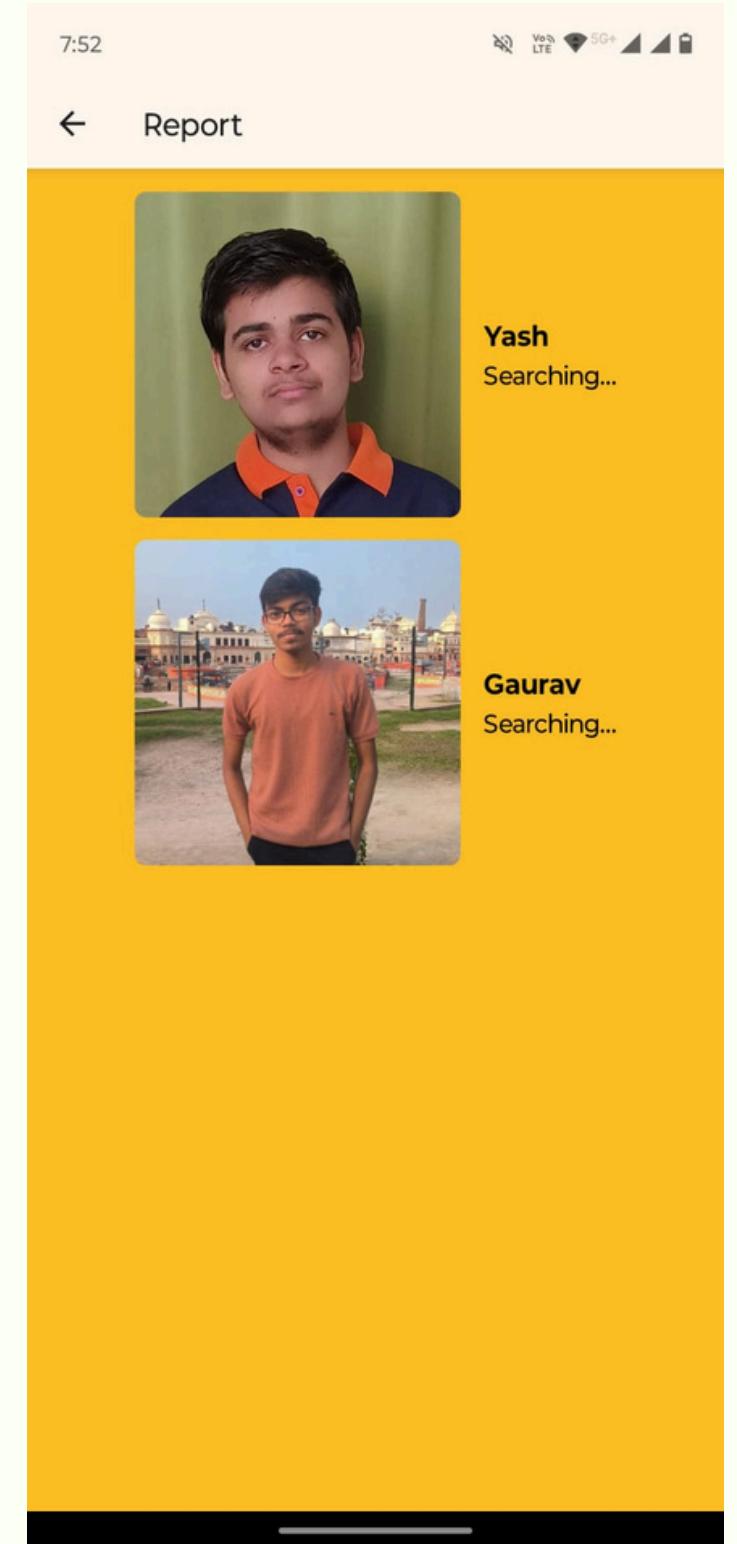
Simhastha Suraksha

User is Allowed to upload report



After Submitting 2nd Report

After uploading 2 reports user can not submit report for a day





Simhastha Suraksha

Abandon Bag Alert

Dashboard

Madhya Pradesh Police

- [Home](#)
- [Streams](#)
- [Reports](#)
- [Report Status](#)
- [Crime Detection](#)
- [Police Records](#)

List of Searched people

1.			Notify
1.			Notify

Abandon Bag Alert

ID: 4 | Risky

ID: 5 | Risky

ID: 3 | Risky

[Notify](#)

[Notify](#)

