



**SMART INDIA
HACKATHON
2022**

Basic Details of the Team and Problem Statement

Ministry/Organization

Name/Student Innovation:

National Institute of Design
Madhya Pradesh

PS Code:

ST891

Problem Statement Title:

App/portal for tracking/finding of
missing persons/children by use of
Aadhaar enabled Biometric details

Team Name:

hexaNotDecimal

Team Leader Name:

Adwita Arora

Institute Code (AISHE):

U-1056

Institute Name:

Netaji Subhas University of Technology

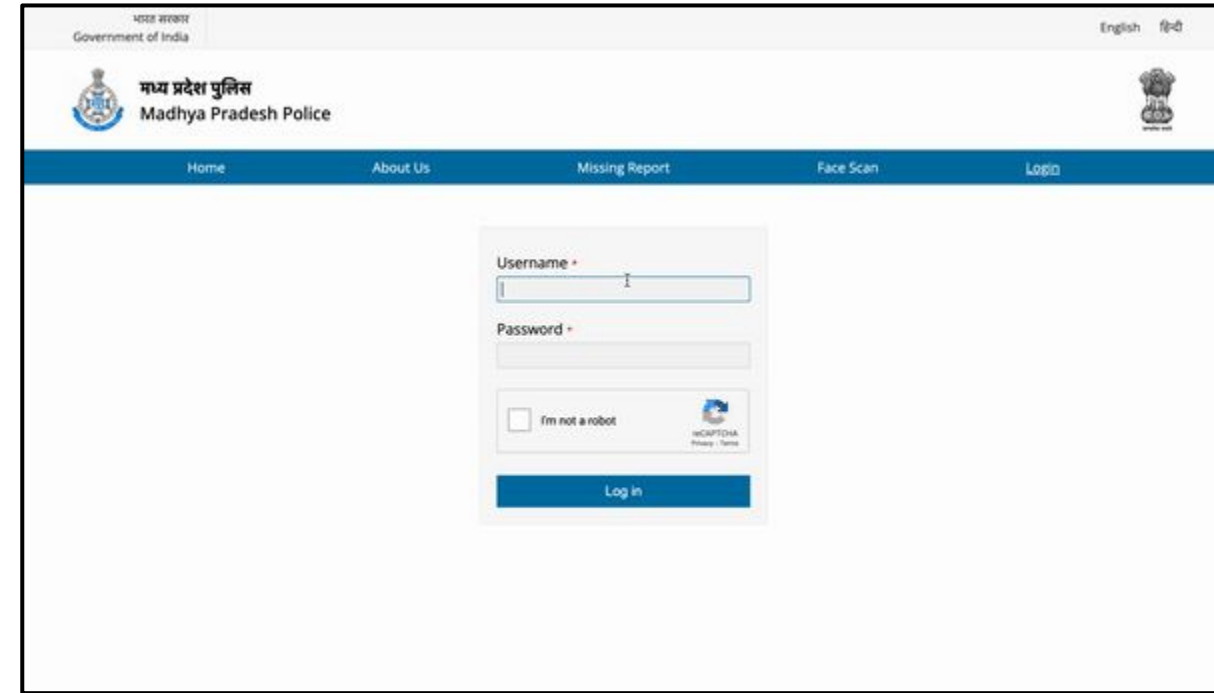
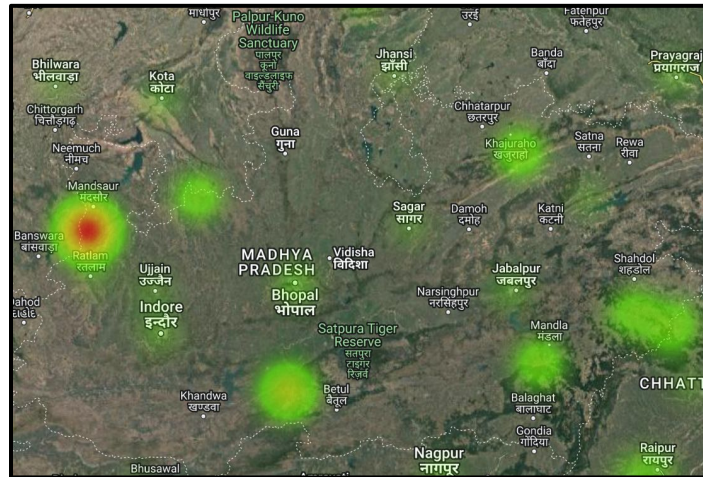
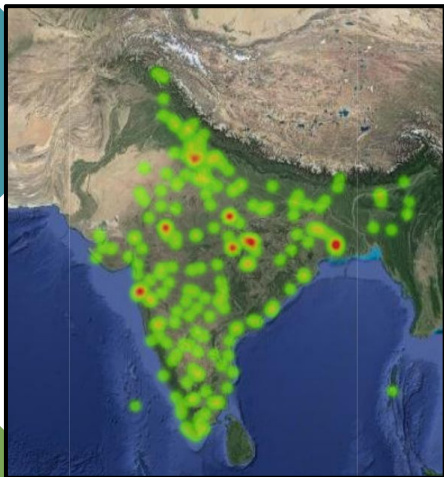
Theme Name:

Miscellaneous

Idea/Approach Details

Idea / Solution:

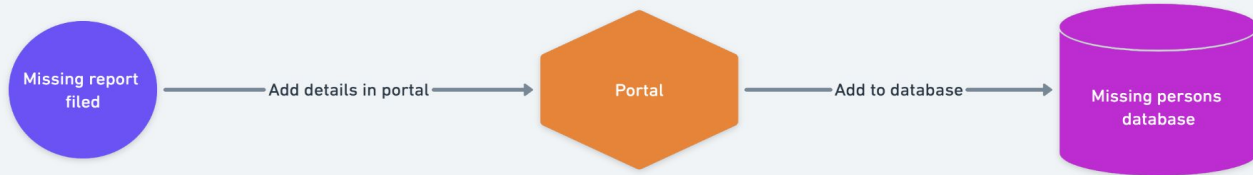
- A **web portal** linked with **Aadhaar biometric information**
- Recording data and maintaining a **national database** of victims and traffickers
- Using **facial recognition systems** to scan potential victims and traffickers
- Generating **heat maps** of locations with higher crime rate against women and children

A screenshot of the Madhya Pradesh Police web portal. The page features a header with the Government of India logo, the Madhya Pradesh Police logo, and navigation links for Home, About Us, Missing Report, Face Scan, and Login. The main content area contains a login form with fields for Username and Password, a checkbox for "I'm not a robot", and a "Log in" button. The page is in English and Hindi.

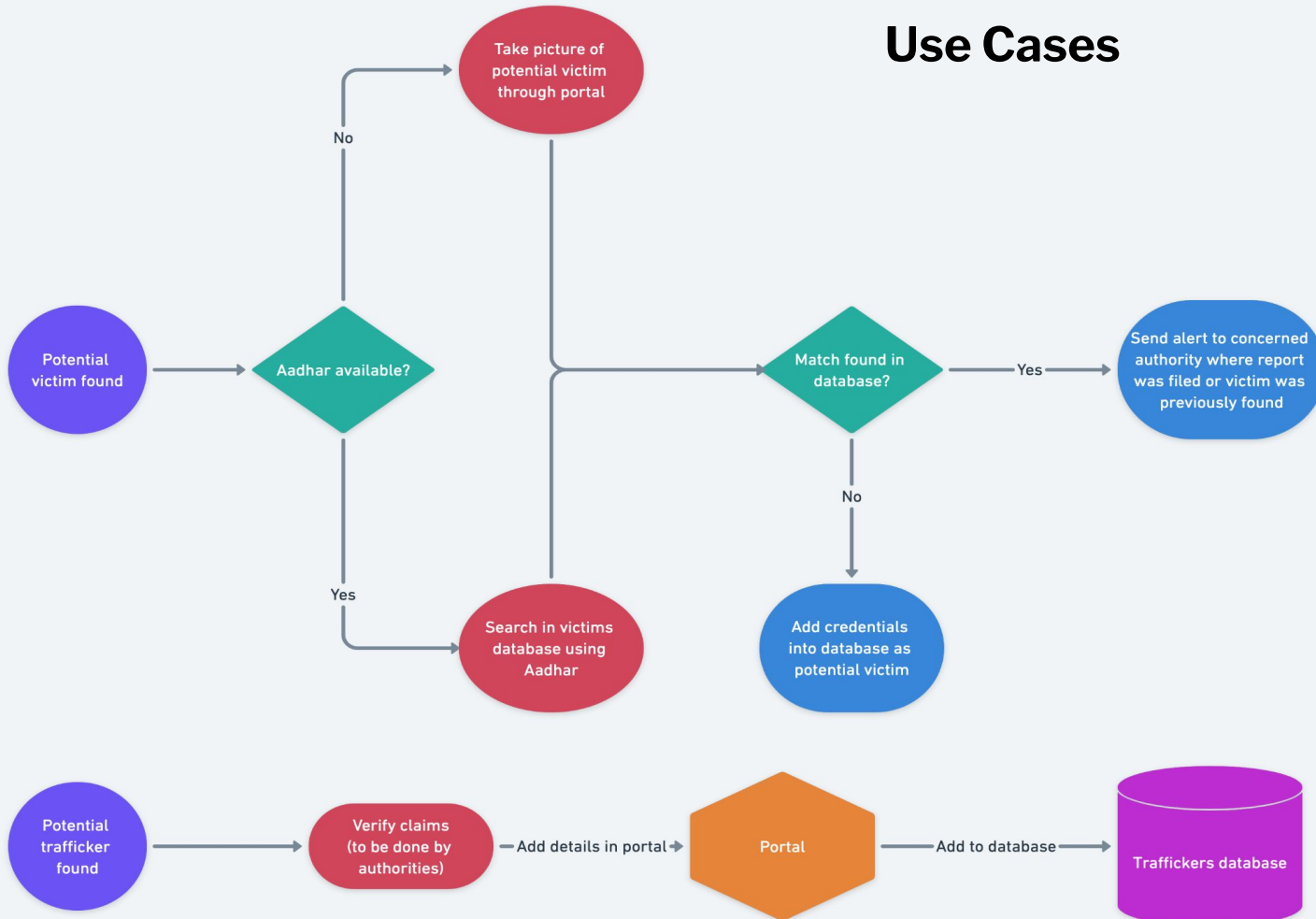
Technology Stack

- **Database:** MongoDB
- **Frontend:** EJS, CSS, JavaScript
- **Backend:** NodeJS, Express
- **Facial Recognition:** Python

Idea/Approach Details



Use Cases



Dependencies

Data of the previously solved cases would be required from all states and union territories. This information would be utilised for creating our database. The following information would be needed ideally:

1. Location
2. Gender
3. Age group

Data of all previously convicted traffickers and repeat offenders would be required. Ideally we would need the following:

1. Location
2. Motive of crime (bonded labour, sex trafficking etc)

Show stopper

Data breach can prove to be disastrous if the information of victims and traffickers falls in the wrong hands

Team Member Details

Team Leader : Adwita Arora

Branch : Btech **Stream :** CSAI **Year :** II

Team Member 1 : Kartik Bagri

Branch : Btech **Stream :** CSAI **Year :** II

Team Member 2 : Akshat Bhardwaj

Branch : Btech **Stream :** CSAI **Year :** II

Team Member 3 : Jai Singhal

Branch : Btech **Stream :** CSAI **Year :** II

Team Member 4 : Soham Kundu

Branch : Btech **Stream :** CSAI **Year :** II

Team Member 5 : Vikas Poddar

Branch : Btech **Stream :** CSAI **Year :** II

Team Mentor 1: Dr. Mohinder Pal Singh Bhatia

Category : Academic **Expertise :** Software engineering, operating systems

Domain Experience : 30+

Team Mentor 2: Manu Sheel Gupta

Category : Academic **Expertise :** Software engineering, operating systems

Domain Experience : 15+