SMART INDIA HACKATHON 2022

Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:
Student Innovation

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:
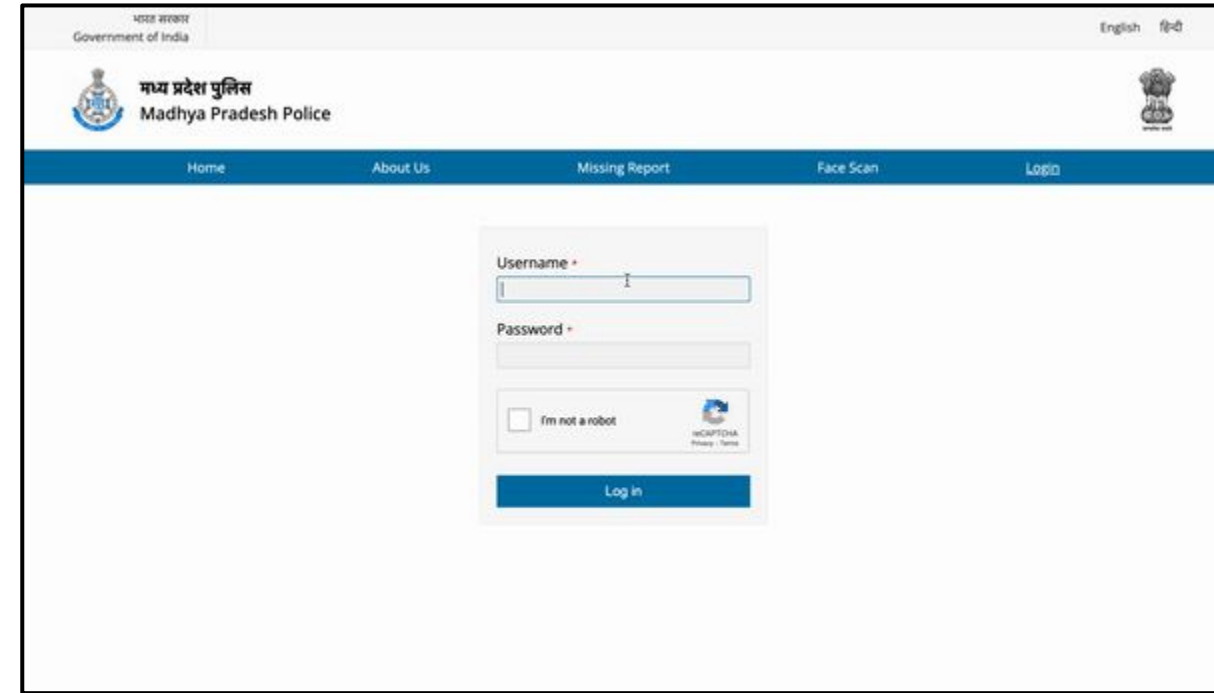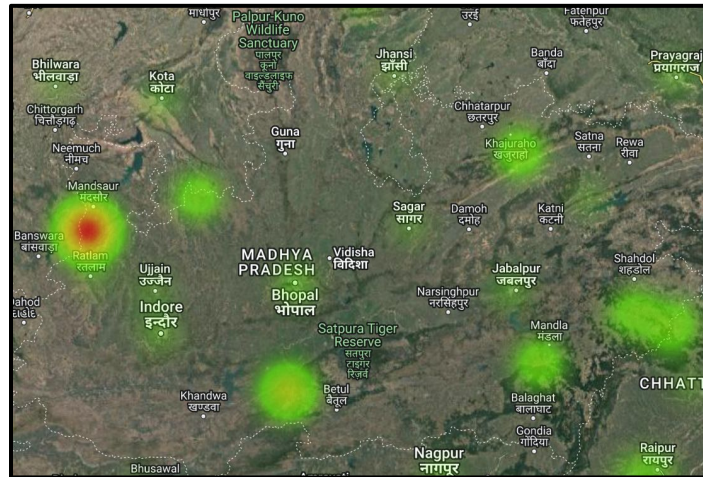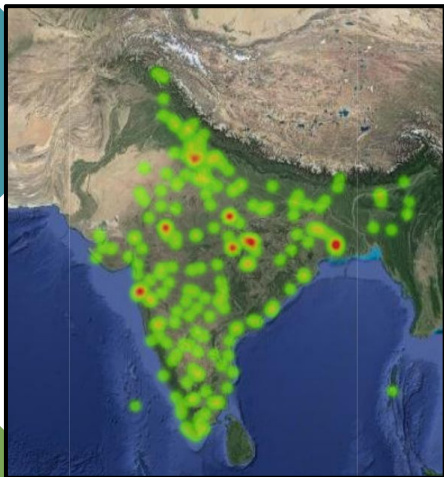Adwita Arora

Institute Code (AISHE):
U-1056

Institute Name:
Netaji Subhas University of Technology

Theme Name:
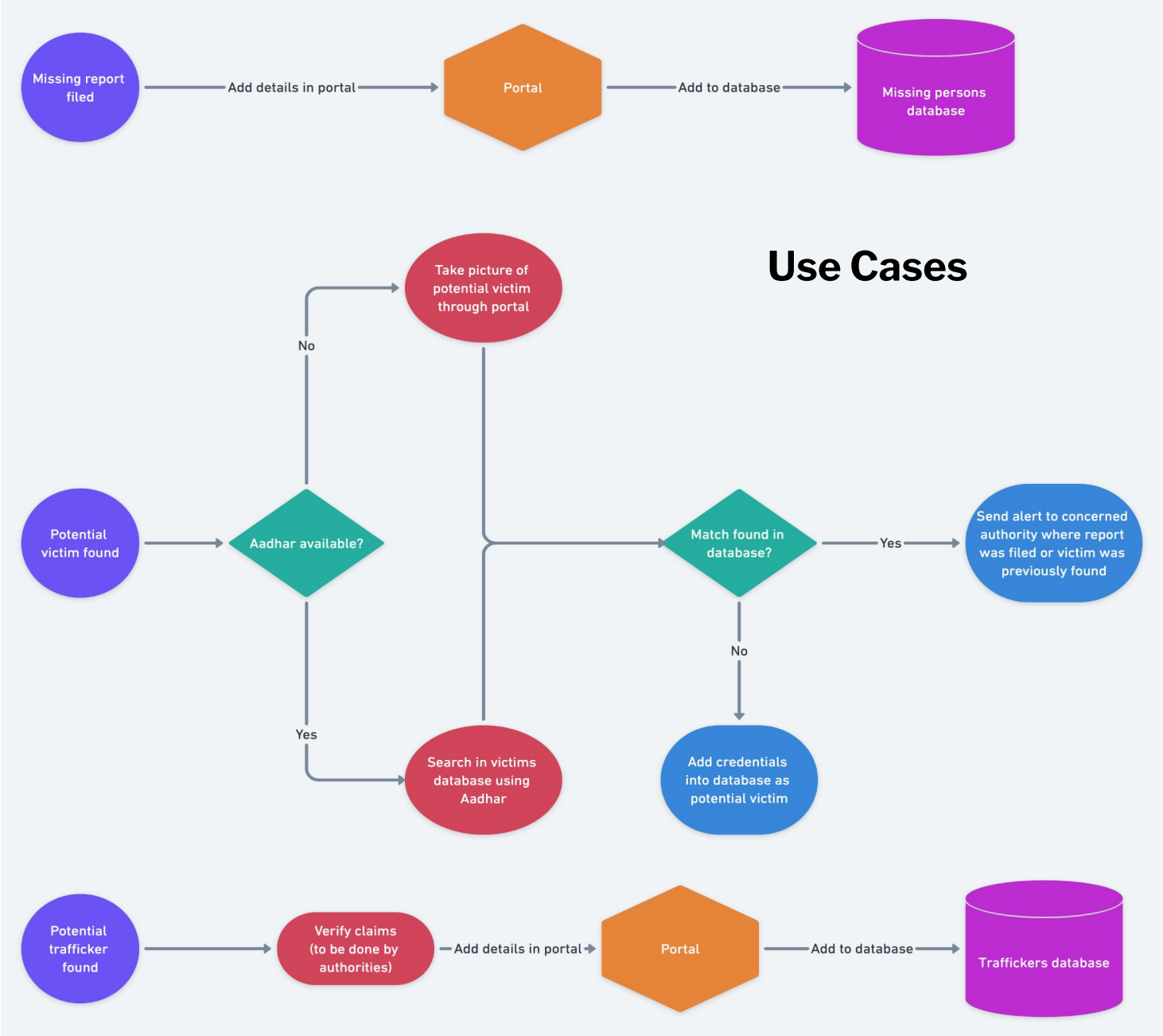Miscellaneous

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

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 in order for us to create our database. The following information would be needed ideally:
1. Location
2. Gender
3. Age group

Database 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+