SMART INDIA HACKATHON

PS CODE: 1440

PS TITLE: AN APPLICATION UNDER WHICH ALL RESCUE AGENCIES ARE REGISTERED AND WHICH CAN DISPLAY THE LOCATION OF OTHER RESCUE RELIEF AGENCIES DURING NATURAL/ MAN MADE CALAMITIES

CATEGORY: SOFTWARE

ORGANIZATION: MINISTRY OF HOME AFFAIRS

DOMAIN BUCKET: DISASTER MANAGEMENT

OUR TEAM

Team Leader

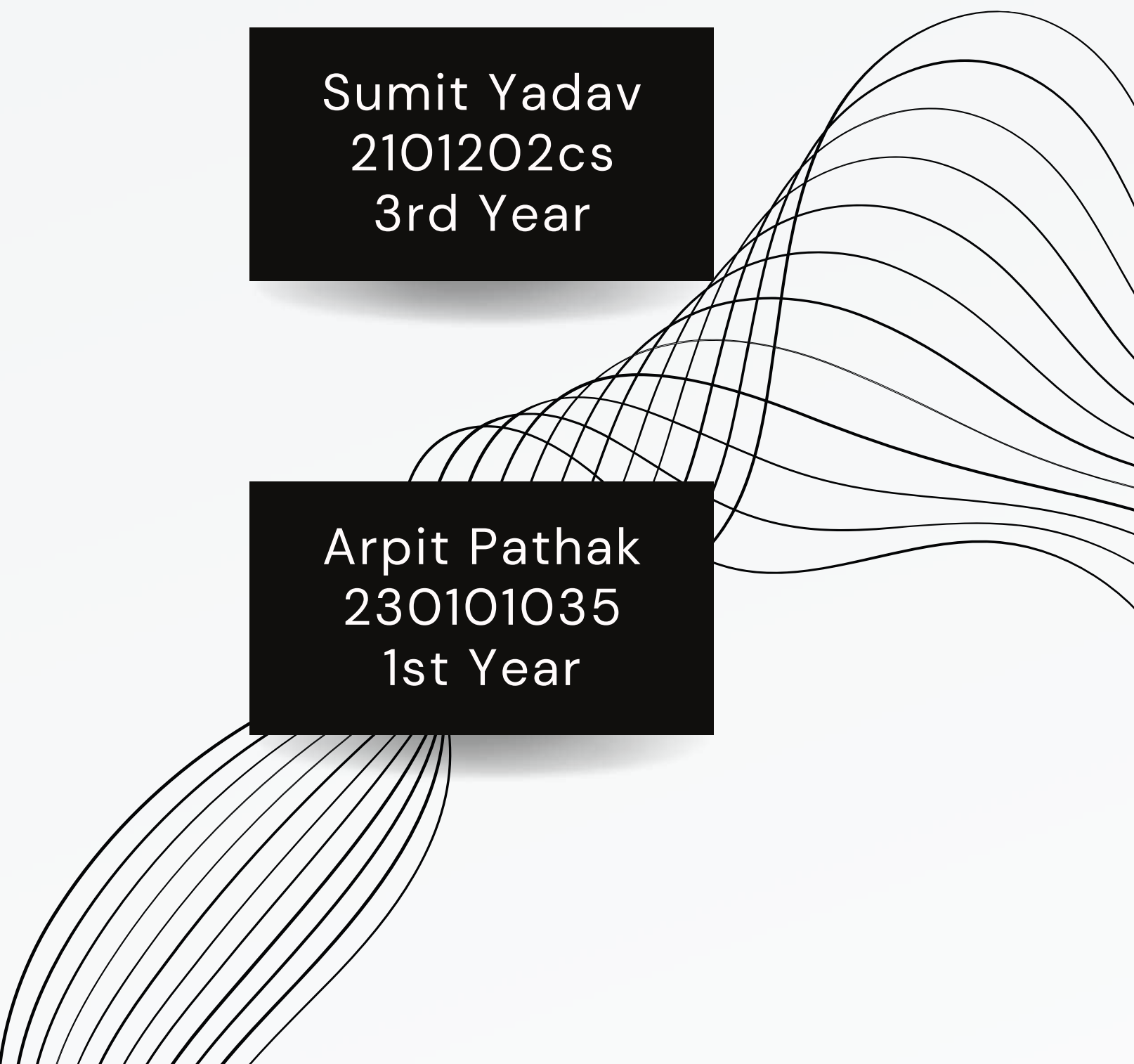Md Sohail Ansari
2101116cs
3rd Year

Rudresh Patel
2101060cs
3rd Year

Sumit Yadav
2101202cs
3rd Year

Lokesh Sangrame
2101210cs
3rd Year

Samriddhi Tripathi
230101109
1st Year

Arpit Pathak
230101035
1st Year

CONTENT

INTRODUCING
RESCUE RADAR

IDEA

- We have made an **App** through which user can login and report **emergencies** during any calamities.

- Admin will be able to manage through **website** also.

- Our app will have **English**, **Hindi** and a **Local Language**.

- In an emergency, the app notifies the **nearest** rescue camp based on the user's location.

- Users can view the **Real-Time** locations of nearby rescue camps on a map, so that they can ask help from them.
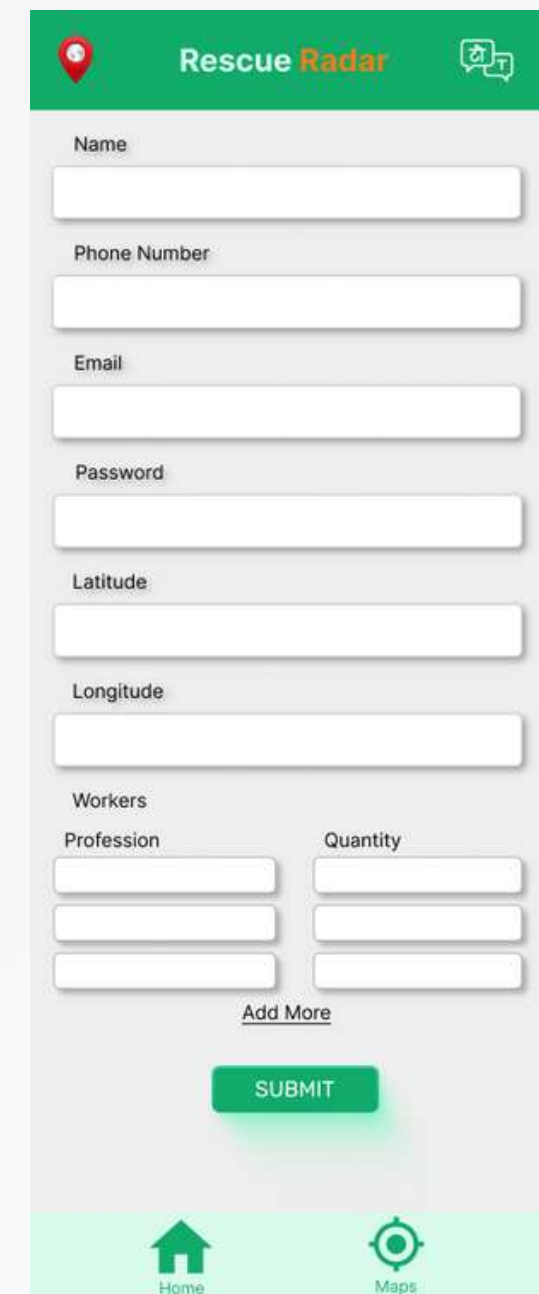
IDEA

- Admins can manage their own **resources and availability status**.

- A section for receiving emergency cases.

- Details and available resources of **different agencies** are visible on the **map**, so that they can send **alert or share resouces**.
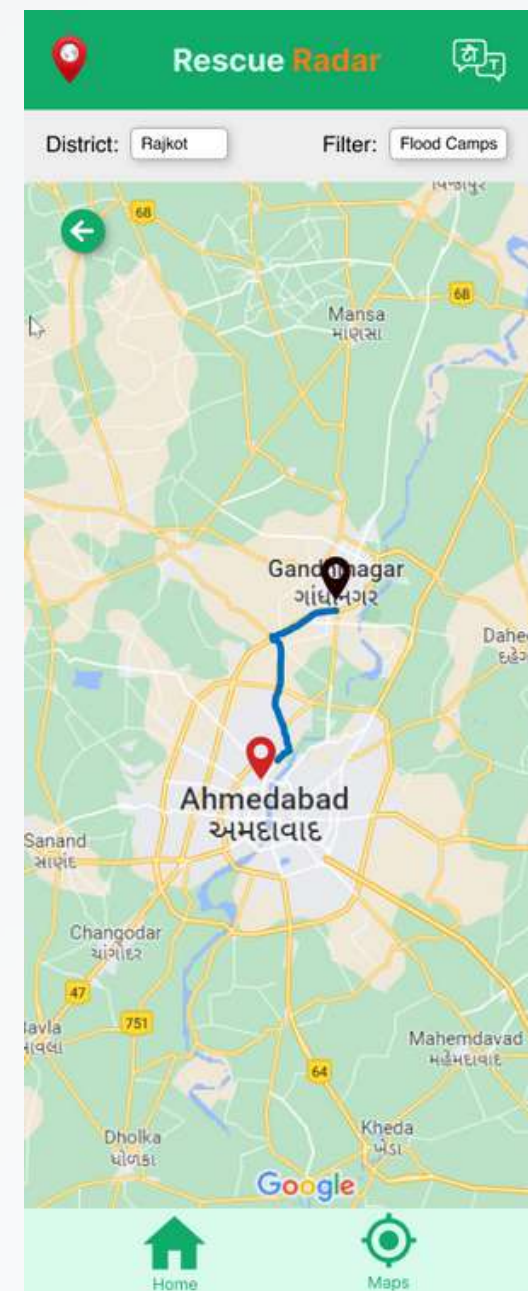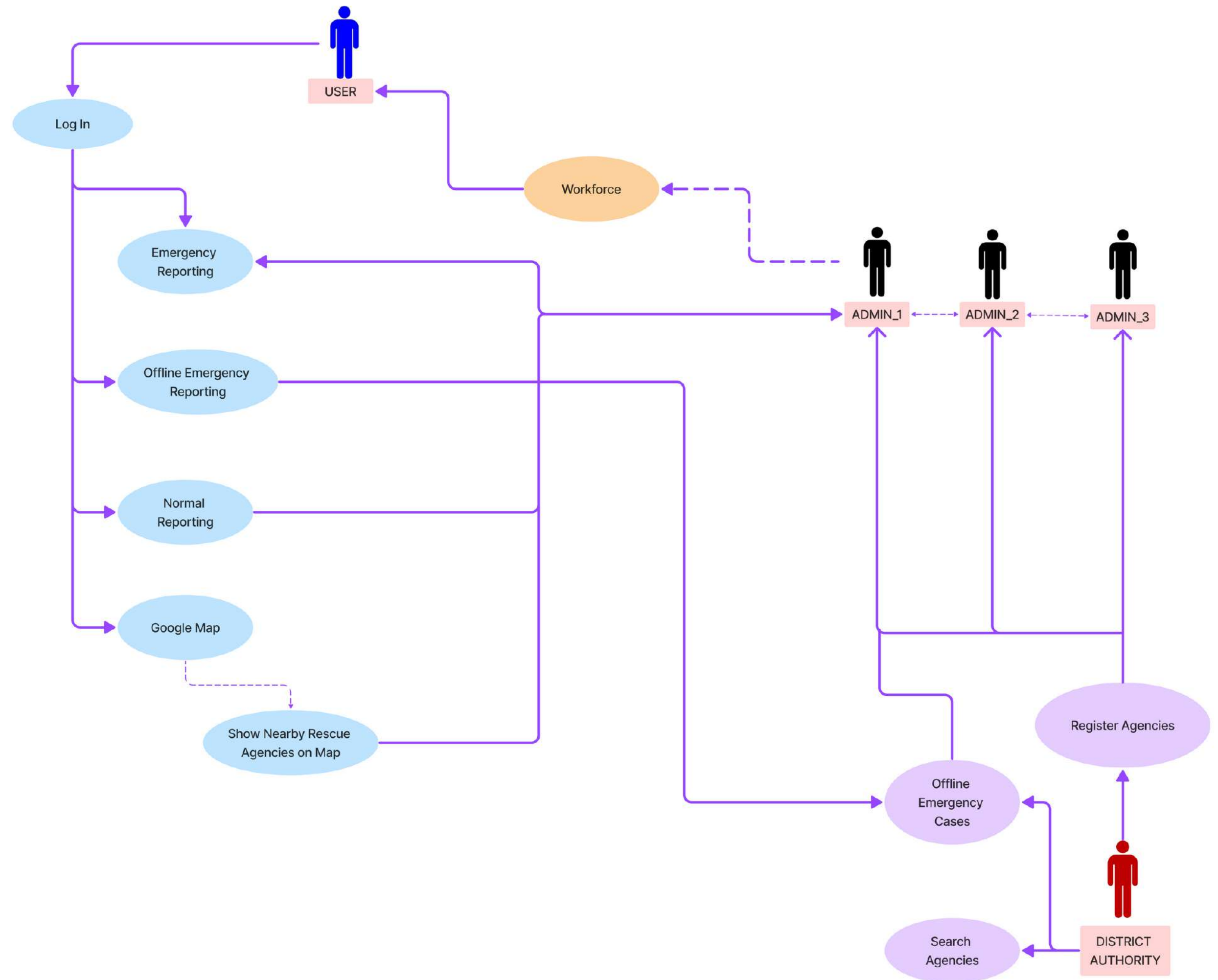
IDEA

DISTRICT AUTHORITY:

- Distrcit Authority will **register** the local rescue camps.

- District Authority can contact different agencies for **alerts or resource sharing**.

- A section for receiving **emergency** cases.

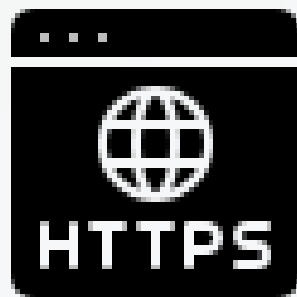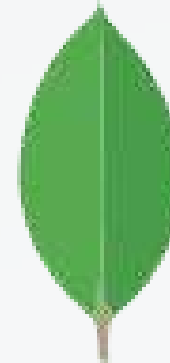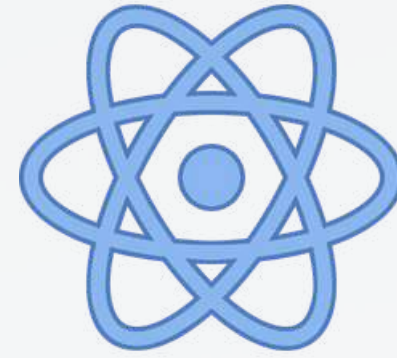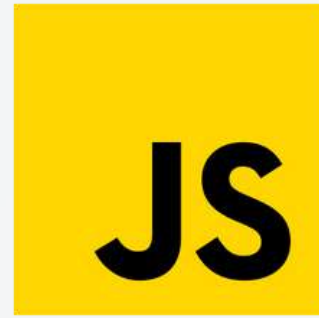- District authority can **search** for different organisations.

FLOW CHART

TECH STACK

USE CASES User

Emergency Reporting by Citizens

A user witnesses a building collapse during an earthquake. They use the app to report the incident, specifying the type of calamity and location.

Offline Reporting in Remote Areas:

A user in a remote mountainous region reports a landslide through the app while offline.

Real-Time Tracking of Rescue Camps:

During a flood, a user stranded on a rooftop checks the app to find the nearest rescue camp's location for assistance.

USE CASES Admin

Resource Management by Admins:

A fire department administrator updates the availability of firefighting equipment, ensuring it is ready for use during a fire outbreak.

Inter-Agency Communication and Collaboration:

During a flood, the local emergency management agency contacts nearby volunteer rescue teams for assistance and resources.

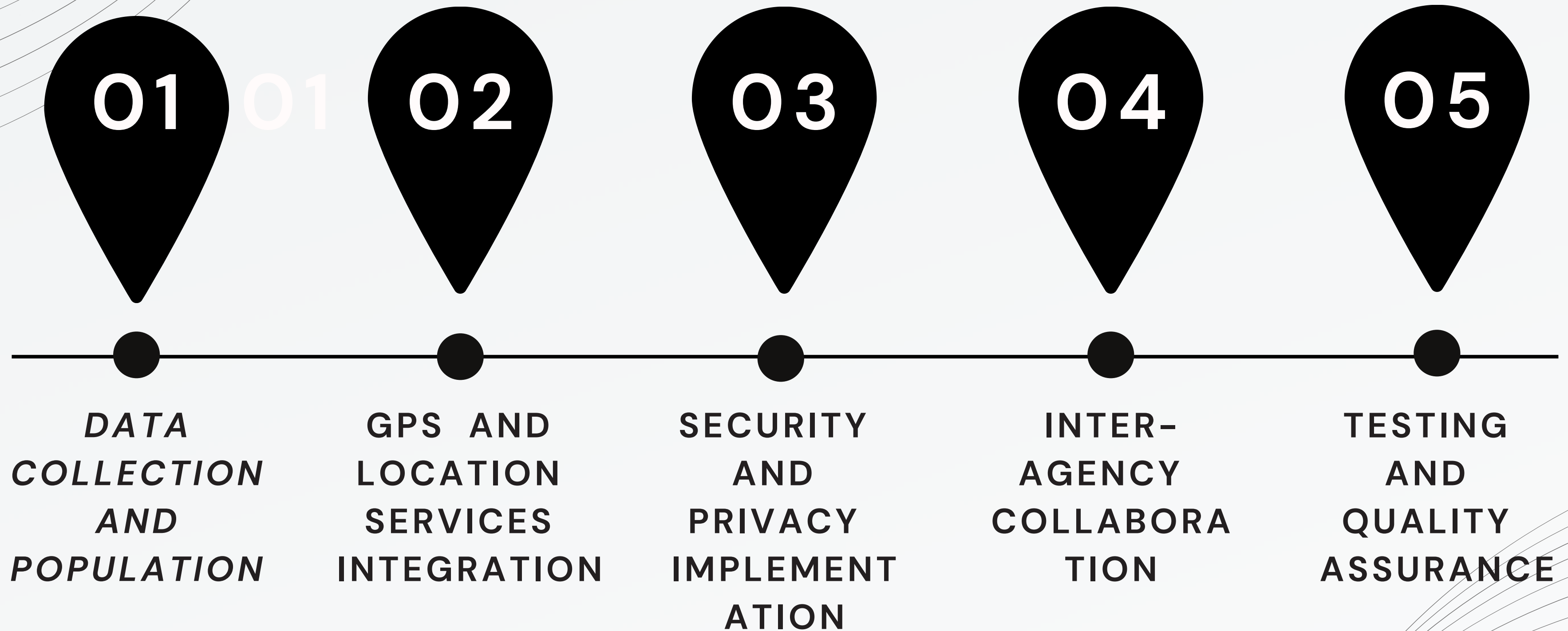## Search Function for Admins & District Authorities:

A district administrator searches for available medical facilities within their district to coordinate medical aid during a health crisis.

USE CASES

These use cases demonstrate how the disaster management application can serve both citizens and administrators in effectively responding to emergencies, coordinating rescue efforts, and disseminating critical information during calamities.

DEPENDENCY:

01

02

03

04

05

DATA COLLECTION AND POPULATION

GPS AND LOCATION SERVICES INTEGRATION

SECURITY AND PRIVACY IMPLEMENTATION

INTER-AGENCY COLLABORATION

TESTING AND QUALITY ASSURANCE

THANKS