



SMART  
INDIA  
HACKATHON  
2023

# Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:  
**Ministry of Home Affairs**

PS Code: **SIH1440**

Problem Statement 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.**

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Team Name: **Team\_RescueRadar**

Team Leader Name: **Md Sohail Ansari**

Institute Code (AISHE): **U-0953**

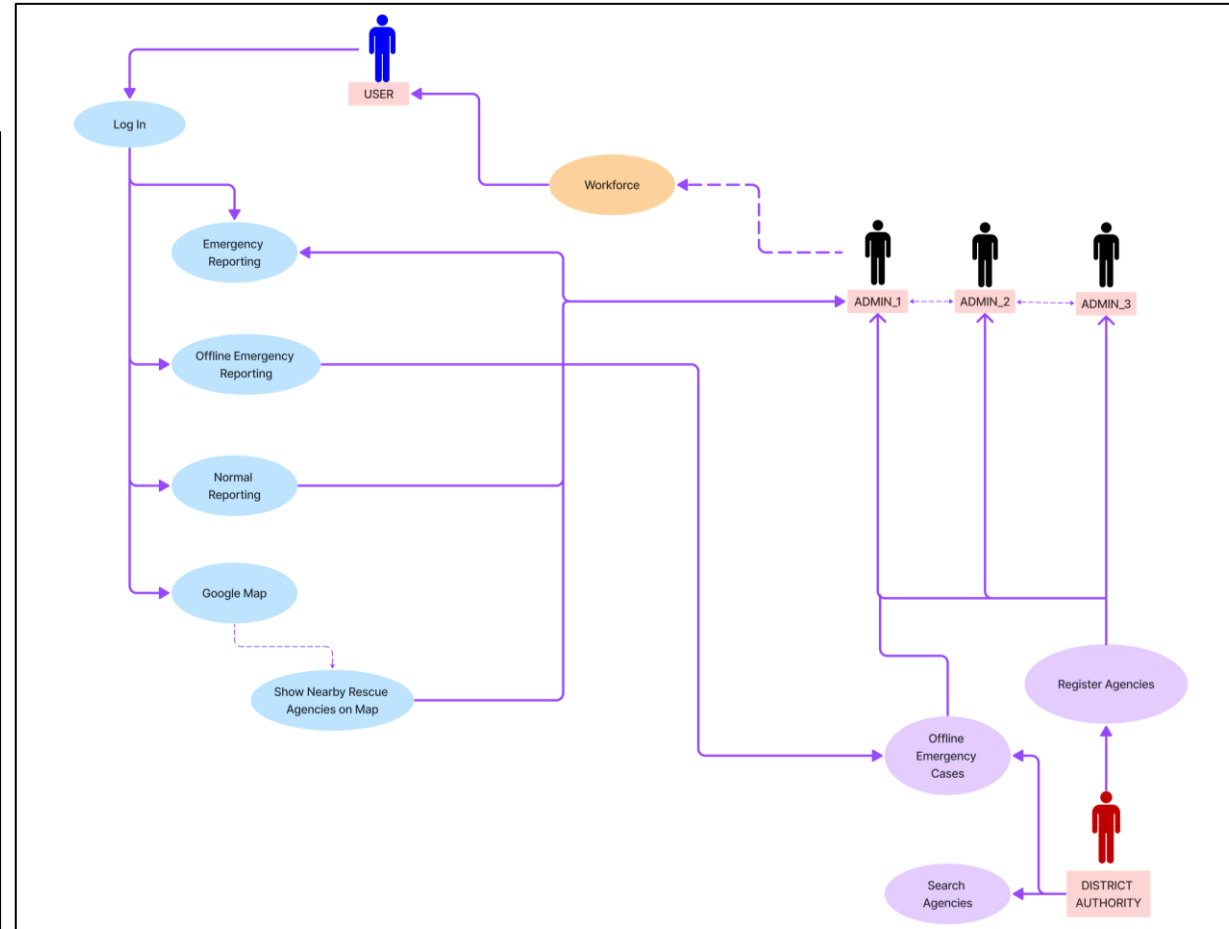
Institute Name: **Indian Institute of Information Technology Bhagalpur**

Theme Name: **Disaster Management**

# Idea/Approach Details

## Describe your idea/Solution/Prototype here:

- 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.
- In an emergency, the app notifies the **nearest rescue camp** based on the user's location.
- Rescue camps will be populated via **Google Maps**.
- A **sudden decrease** in user numbers in a specific location would **alarm** the local rescue agencies.
- Admins can **update** their own resources and availability status.
- **Details and available resources** of different agencies are visible which are populated on the map, so that admin can send alert or share resources.
- A section for tracking and managing **resolved cases**. (Sort by emergency or normal)
- District Authority will register the local rescue camps.
- **District authority** can contact different agencies for alerts or resource sharing, especially for offline emergency cases.



## Tech Stack:



# Idea/Approach Details

Describe your Use Cases here

- **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.
- **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 on Google Maps for assistance.
- **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 agency 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.
- **History of Admins access to District Authorities:** The district authorities will be able to show the solved and pending cases of Admins to reduce corruption.

Describe your Dependencies / Show stopper here

- **Data Collection and Population**
- **GPS and Location Services Integration**
- **Security and Privacy Implementation**
- **Inter-Agency Collaboration**
- **Testing and Quality Assurance**

# Team Member Details

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**Team Leader Name: Md Sohail Ansari**  
Btech

CSE

3<sup>rd</sup> Year

**Team Member 1 Name: Rudresh Patel**  
Btech

CSE

3<sup>rd</sup> Year

**Team Member 2 Name: Sumit Yadav**  
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**Team Member 4 Name: Samriddhi Tripathi**  
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**Team Member 5 Name: Arpit Pathak**  
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1<sup>st</sup> Year