



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

Team Name: SmurfCat

Team Leader Name: Siddhant Singhania
Institute Code (AISHE): U-0405

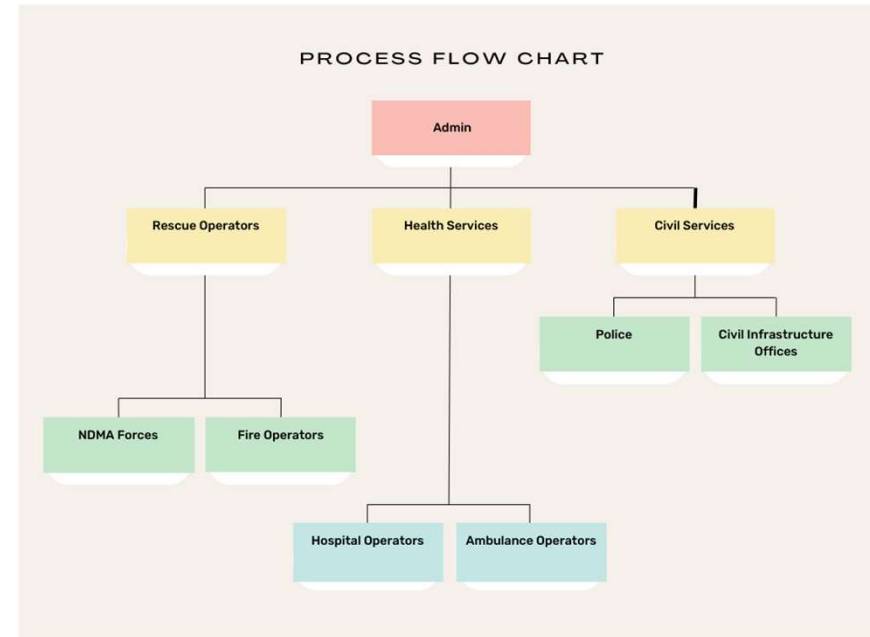
Institute Name: The LNM Institute of Information Technology

Theme Name: Disaster Management

Idea/Approach Details

Idea Description:

- Central monitoring system, each operator will get assigned a zone. All emergency requests of that zone will be handled by that operator.
- User presses SOS button, his/her live location is shared and can be monitored by the admin user / moderator.
- Live location of each rescue personnel is also known so they can monitor it and act accordingly.



Technology Stack:

- Frontend:
 - Desktop Website: React.js
 - Mobile App: React Native
- Backend: Express
- Database: Postgress

Idea/Approach Details



Describe your Use Cases here

- In case of disasters/calamity, we see large number of requests coming to rescue agencies that need to be handled efficiently.
- People generally have difficulty in describing their location, so we have access to their live locations so that we can have an accurate estimate of the geographical location and take into consideration any nearby rescue agencies that should be informed.
- All the rescue personnel in the nearby proximity of about 1 km are automatically alerted regarding the same and they will be directed to act accordingly. This ensures swift and coordinated response efforts.

Describe your Dependencies / Show-stopper here

- If multiple requests are within a certain proximity, then these requests are clubbed together and elevated to a higher priority.
- Whenever SOS button is pressed, all units within a radius of 1 km are immediately alerted.
- All emergency services are consolidated on one platform.

Team Member Details

Team Leader Name: Siddhant Singhania

Branch: BTech

Stream: CSE

Year: IV

Team Member 1 Name: Aryan Gera

Branch: BTech

Stream: CSE

Year: IV

Team Member 2 Name: Souhardya Malakar

Branch: BTech

Stream: CSE

Year: IV

Team Member 3 Name: Ayush Dhoot

Branch: BTech

Stream: CSE

Year: IV

Team Member 4 Name: Ayush Shukla

Branch: BTech

Stream: ECE

Year: IV

Team Member 5 Name: Astha Singh

Branch: BTech

Stream: CSE

Year: IV