



Basic Details of the Team and Problem Statement

ByteVerse

Problem Statement: Disaster Alert System, News, Precautions.

Team Name: NIGHT_OWLS

Institute Name: National Institute of Technology, Patna

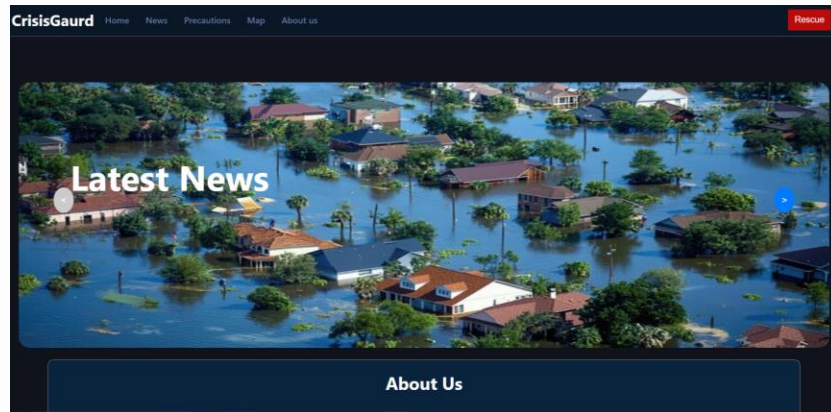
Theme Name: Disaster Management



Idea/Approach Details

Describe your idea/Solution/Prototype here:

- Our website contains an Alert button, where victims can use it to raise a request for rescue.
- The Rescue button allows the users to request for help and their location is stored in the firebase online database.
- The user can send the request only if the OTP based authentication done by firebase is a success, else the request would be discarded.
- The live map also provides live disaster rendering which provides the details of the disaster and its extent making the residents aware.
- The prototype utilizes the open weather API's threat location and integrates it with the world map/globe provided by the Cesium API.
- Real-time rendered news related to disasters is displayed in the news webpage.
- This Web application can help both the authorities and victims in the gruesome times of Natural Disasters.



Describe your Technology stack here:

- (Cesium, Open Weather, News) APIs
- Firebase Online Database
- GitHub
- HTML, CSS, Java Script



Idea/Approach Details

Describe your Use Cases here:

- When a disaster occurs, users can raise an alert that sends help to the victim's location.
- The alert can only function if the victim is located within the affected area.
- Once rescue button is clicked, it reaches database and also provides contacts of respective rescue teams.
- The website also suggests basic precautions that can be taken during the disaster.
- The website also contains a Global map that shows live disasters occurring at real-time.
- The website contains News sections that shows news related to disasters across the world.

Describe your Dependencies/ Show Stopper here:

- None Used.



Team Member Details

Team Leader Name: Mudavath Praveen

Branch : Btech Stream : CSE Year : I

Team Member 1 Name: Kakarlapudi Giridhar Sai Varma

Branch : Btech Stream : CSE Year : I

Team Member 2 Name: Chintapalli Mohan Shanmukh Aditya

Branch : Btech Stream : CSE Year : I

Team Member 3 Name: Abbhiinay Gudimalla

Branch : Btech Stream : CSE Year : I

