ABSTRACT

CRISIS GUARD

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CRISIS GUARD

Disasters are as old as mankind. Nature is not alone in generating disasters. Man's ingenuity has seemingly no bounds and ambitious feats of engineering have led for example to faster travel by land, sea and air; the use of nuclear power; projects such as the Channel Tunnel and the World Trade Centre as well as bridges of prodigious span and height. All have been designed or developed to improve the quality of life and in most cases they have. Sometimes, though, things go badly wrong and when they do the effects can be no less devastating than what insurers and lawyers euphemistically describe as an 'Act of God.

The world over it has been experienced that a prompt, well-coordinated and effective response mounted in the aftermath of disasters not only minimizes loss of life and property but also facilitates early recovery. The important ingredients of an effective response system are integrated institutional arrangements, state of the art forecasting and early warning systems, failsafe communication system, rapid evacuation of threatened communities, quick deployment of specialized response forces and coordination and synergy among various agencies at various levels in dealing with any disaster. Here we implement a project guidelines to minimum standards of relief to be provided to persons affected by disaster.

Weather prediction plays a vital role in disaster management, as it provides critical information to anticipate and respond to weather-related disasters such as hurricanes, floods, wildfires, and extreme heat events. Accurate and timely weather forecasts allow authorities to issue early warnings, implement evacuation plans, and mobilize resources before a disaster strikes. This integration of weather prediction and disaster management helps save lives and reduce the economic and environmental impact of natural disasters. The primary goal of disaster management is to reduce the potential loss of life and property damage, as well as to ensure a quick and effective response and recovery.

Advantages

This software describes location of disaster prone areas and also it helps to Communication, Coordination and response mechanisms.

• Crisis Guard management system also to help Plan movement of resources with time frames and Communities must be involved in disaster preparedness.

• Mobilize and train disaster volunteers also used to this software.

• Evacuation, search and rescue, saving lives and identification of dead also facilitation carried out this software.

EXISTING SYSTEM

There are many websites and applications are available for peoples to manage disaster but no application are proper worked. Then also paper work occurred .To used paper work not in significant manner.

Limitations

- No timely response.
- It does not proper Communication, Coordination and response mechanisms

PROPOSED SYSTEM

The primary goal of disaster management is to reduce the potential loss of life and property damage, as well as to ensure a quick and effective response and recovery. This system helps to organization, planning and application of measures preparing, responding to initial recovery from disasters. Weather prediction plays a vital role in disaster management, as it provides critical information to anticipate and respond to weather-related disasters such as hurricanes, floods, wildfires, and extreme heat events. Accurate and timely weather forecasts allow authorities to issue early warnings, implement evacuation plans, and mobilize resources before a disaster strikes. This integration of weather prediction and disaster management helps save lives and reduce the economic and environmental impact of natural disasters.

Modules:

- Admin
- Camp coordinator

- Volunteers
- Public
- Emergency response team

Admin

- Add and manage camp
- Add and manage camp coordinators
- Complaint manage
- Guidelines to coordinator
- Notification
- Change password
- Verify emergency Response Team

Camp coordinator

- Stock management
- Member registration
- Check needs
- Medical support
- Change password

Volunteer

- View needs
- Collect goods
- Collection management
- Manage services
- Request for medical support
- Change password

Public

- View needs
- Registration

- Donate goods
- Send emergency request
- Weather prediction
- Change password

Emergency Response Team

- Registration
- Login
- View emergency requests
- Weather prediction
- Change password

HARDWARE AND SOFTWARE REQUIREMENTS

The following requirements are only the minimal requirements to run this utility more successfully and efficiently, there should be sufficient memory and software tools for efficient processing.

HARDWARE REQUIREMENTS

The selection of hardware is very important in the existence and proper working of any software. Then selection hardware, the size and capacity requirements are also important.

- Processor : Intel Pentium and above
- RAM : 4GB or more

- Storage : 40 GB hard disk and above
- Monitor : LED display
- Key Board : Windows compatible
- Mouse : Windows compatible

SOFTWARE REQUIREMENTS

One of the most difficult task is selecting software for the system, once the system requirements is found out then we have to determine whether a particular software package fits for those system requirements. The application requirement:

- Database : MySQL
- Operating System : Windows 8 or above
- Front End : HTML,CSS,BOOTSTRAP, JAVASCRIPT,DART
- Back End : Python-Django, Flutter/Java
- IDE : PyCharm community / Android Studio / Eclipse
- Web browser : Chrome, Explorer, Edge...etc.