Disaster Management System

Abstract

According to the United Nations, a disaster is a major disruption of a community or society's ability to function that involves extensive affects on people, property, the economy, or the environment and beyond the capacity of the affected community or society to deal using its own resources. Disaster management is the process by which we "prepare for, respond to and learn from the effects of big failures". It is how we cope with the human, material, economic, or environmental impacts of a given disaster. Disaster management is a process of effectively preparing for and responding to disasters. It involves strategically organizing resources to lessen the harm that disasters cause. It also involves a systematic approach to managing the responsibilities of disaster prevention, preparedness, response, and recovery. Pre disaster management and post disaster management demands rapid access to reliable and accurate data and the capacity to assess, analyse and integrate information from varied sources .Here we introduce a disaster management system with a mobile based app which can be used to check the daily needs in the camp like food ,clothes, water ,basic needs etc. The people in the camp will need their basic things, that things they will communicate through the app to the admin.

Existing System

In the existing system there is no proper co-ordination for handling the products, like this camp need it or already exist that product. Every one will bring things to camp and will gave it. But no one is not enquiry what things they need. So the similar item will come again and again. For that there will no proper system is working. And another drawback in the existing system is in one camp the things are more what they have , in same time another camp have less number of things that they have. There will be no proper connection and the process is slow. It will take time consumming process.

Proposed system

In our project we are going to introduce a new mobile application for the managing the Disaster. The application is mainly used in the camp, to communication between the camp organizer and admin. The camp organizer will update the admin about the things that they need and the current stock of things. Based on that admin will properly send things what they need and collect the balance things from that camp and that item will gave to next camp which camp need that items. The things will be anything like clothes , foods, water etc. Collect form one camp and gave to another camp if its not in camp. Admin handle every camp organizers and collect the information correctly. In every camp there will be a camp organizer and a team of volunteers. The volunteers collect the information and pass to camp organizer, then to the admin.

Modules

1. Admin.

2. Camp Organizer

3. Volunteers

4. Panjayath Body

5. User

Admin

Admin can access the application by logging in. They have all access to the application. Admin can view the details of the camp organizers. Collect the information needs from the camp organizers.

Camp Organizer

Camp Organizer update to the admin by the things that they have and what kind of things they need back.

Volunteers

Volunteers view the needs of the affected persons. They collect the goods and products to help the effected people. Their main duty is collection management. They manage all the services and inform the Camp Organizer.

Panchayath Body

Panchayath Body will be appointed the camp organizers and the volunteers.

User

User module can view the things that in the camp and also donate the things what they need. Also can view donation status.

Software Requirement

Front end : html, CSS, JavaScript, Bootstrap

Back end : Python, Django

Database : Mysql

IDE : Pycharm