**Disaster Management Portal**

**ABSTRACT**

The concept of Disaster and Emergency management can be described as; guiding, coordinating and application of all the sources of all organizations and associations for the common purpose of preventing loss and decreasing disaster damage. This project aims to determine the risky areas by geographical analyses before natural disasters. The other goal of this project is to manage an urgent and effective help services during and after the disaster. Hence it is not possible to prevent many of the disasters, precautions that should be taken by the associations for preventing disasters or minimizing disaster damage can be listed as below.

* To take technical, legal, administrational precautions in order to survive the society with less damage and physical loss
* To include disaster damage mitigation studies in all stages of development in order to stop growing of present risk and to obtain sustainable development
* To obtain effective and fast preparation
* To carry out effective educational programs that would help all parts of society to be saved with minimum damage
* To rescue maximum number of effected people and heal them
* To create a secure and developed living environment for the people who are affected by the disaster
* To supply all vital needs of survivors and providing the daily life to be brought on normal
* To compensate possible economic and social loss as soon as possible.

TABLES

Login

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| Login id | int(10) | Primary Key |
| email | varchar(191) |  |
| password | varchar(191) |  |
| status | int(10) |  |

Category

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| Category\_id | int(10) | Primary Key |
| Category\_name | varchar(191) |  |

District

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| District\_id | int(10) | Primary Key |
| District | varchar(191) |  |

Control Room

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| CR\_id | int(10) | Primary Key |
| cR\_name | varchar(191) |  |
| CR\_number | int(11) |  |
| District\_id | int(10) | Foreign key |

Item List

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| List\_id | int(10) | Primary Key |
| List\_item | varchar(191) |  |
| List\_measure | int(10) |  |

Alert

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| Alert\_id | int(10) | Primary Key |
| Alert\_content | varchar(191) |  |
| Alert\_date | timestamp |  |

Volunteer

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| volunteer\_id | int(10) | Primary Key |
| volunteer \_name | varchar(191) |  |
| volunteer\_address | varchar(191) |  |
| volunteer\_phone | int(11) |  |
| Category\_id | int(10) | Foreign key |
| District\_id | int(10) | Foreign key |

Transaction

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| Transaction\_id | int(10) | Primary Key |
| Transaction\_date | timestamp |  |
| Transaction\_amount | int(10) |  |

Member Details

|  |  |  |
| --- | --- | --- |
| Column | Type | Description |
| member\_id | int(10) | Primary Key |
| member \_name | varchar(191) |  |
| member\_address | varchar(191) |  |
| member \_phone | int(11) |  |
| gender | varchar(191) |  |
| image | varchar(191) |  |
| District\_id | int(10) | Foreign key |
| location | varchar(191) |  |

Modules

1.ADMIN

Admin can register camp related information where camps located and capacity of the camp to accommodate peoples

* Update Needs for Camps

Admin can update camp members needs like food, dress, etc.

* Add camp members details

Admin can register members related information who joined in camp like personal details, contact details etc.

* Manage cash details

Handle contribution amount distribution for different camps

* Update press release

Update latest news and warnings about disaster.

* Allocate Volunteer

Allocate volunteer for different camps and rescue places.

2. Users(public)

* Make transaction

Contribution like payment Transactions

* Search

Search nearest camps, rescue places, contact numbers

* Update affected area

Users can update their affected areas details and raise help for rescue

3.Volunteer

* Register

Users can register as a volunteer in different category like doctors, nurses, club members.

**Use case Diagram**



Reference

India disaster management

https://ndma.gov.in/en/

Kerala Disaster management

<http://sdma.kerala.gov.in/>