DISASTER MANAGEMENT WEBSITE

S. E. Information Technology

By

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2020-2021

DECLARATION

We declare that this written submission represents our ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources.

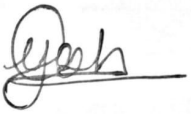
We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in this submission.

We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

1. 

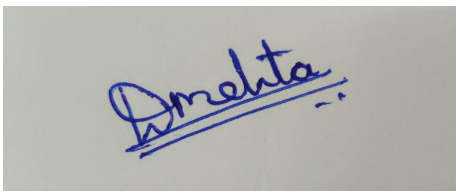
(Signature)

(Faustina Lazarus 02.)

2. 

(Signature)

(Yash Mahajan 04.)

3. 

(Signature)

(Deep Mehta 09.)

4. 

(Signature)

(Parth Narvekar 18.)

Date: 17/05/2021

CERTIFICATE

This Python Mini-project {**Disaster Management Website**} by {**Yash Mahajan, Deep Mehta, Faustina Lazarus, Parth Narvekar**} is complete in all respects and was successfully demonstrated on {**27/05/2021}**.

Name : ----------

Signature :----------

(Internal examiner)

Name : ----------

Signature :----------

(External examiner)

Date:

Place:

CONTENTS

Chapter 1
Introduction

Introduction to the domain:

We have created a website for Disaster Management where the public can refer to resources regarding different disasters like first aids,precautions and statistics. The sole purpose of this website is that it summarises the roles, responsibilities and procedures relating to the management of disasters in general.

So we have worked on the problem and made an interactive website for the public where they can refer to information about different disasters and their safety precautions. People can express their emotions and information through our blog page and a Covid Information page where the daily updated statistics will be displayed.

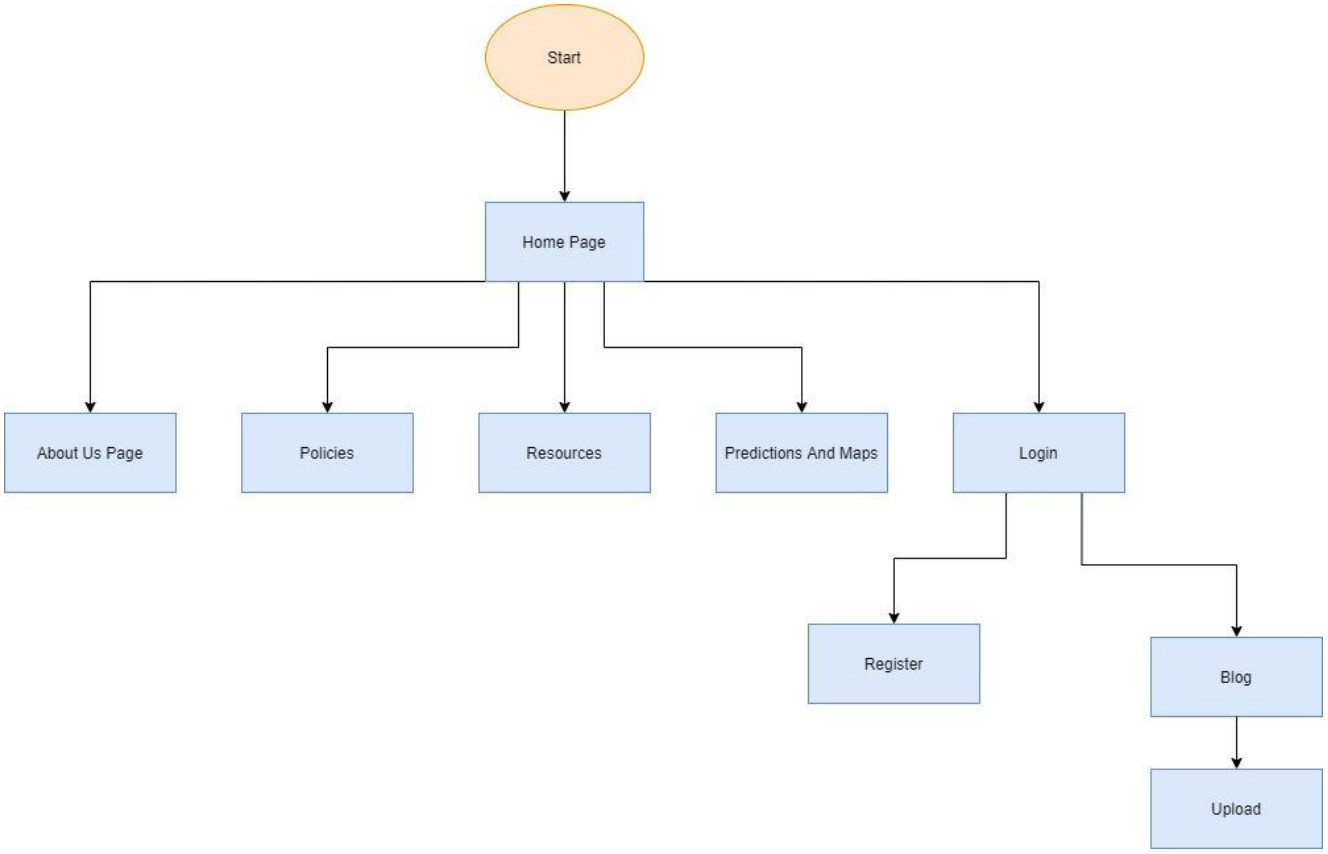
Chapter 2
Background Study

Existing System	Features	Charges
NDMA(National Disaster Management Authority)	Policies,Resources,information and Preventive measures for any specific Disaster and several mitigations(reducing intensity)	Free
NIDM(National institute of Disaster Management)	Training,Workshops,E-Learning,Ongoing Projects for Community	Free

Chapter 3
Problem Statement

Disaster response is defined as actions taken in anticipation of, during, and immediately after an emergency to ensure that its effects are minimised, and that people affected are given immediate relief and support. The project intends to evaluate the disaster response management phase based on the four management functions: planning, organising, directing and controlling.

Chapter 4
System Design



Requirements

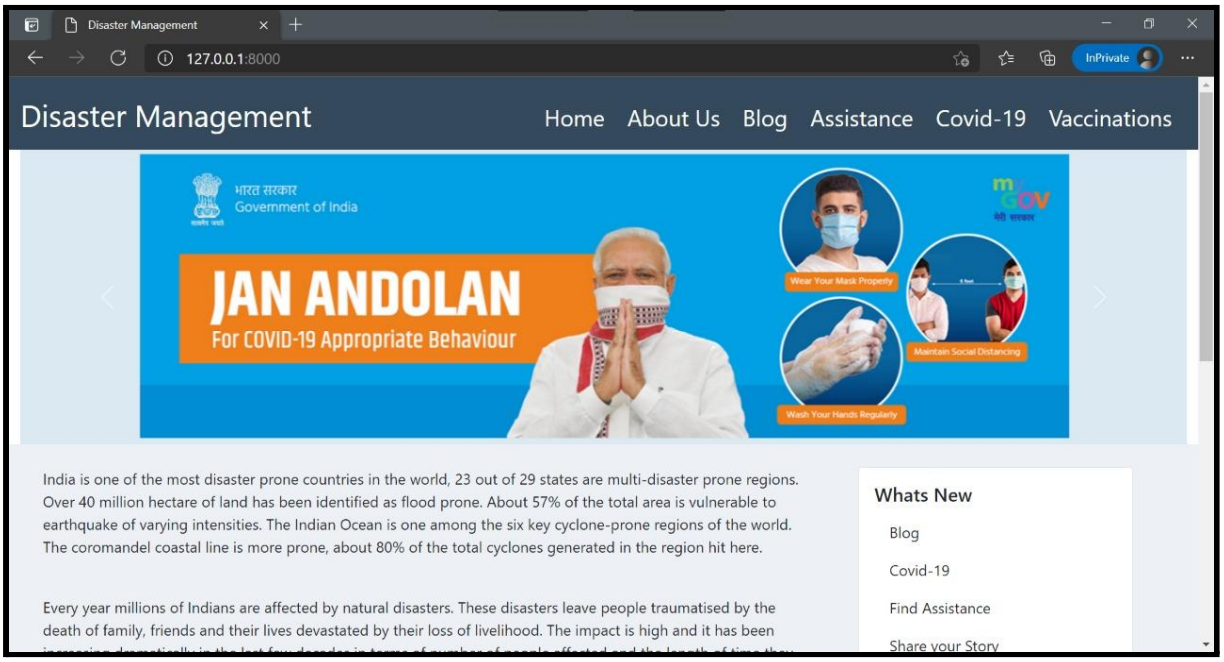
Recommended Hardware:

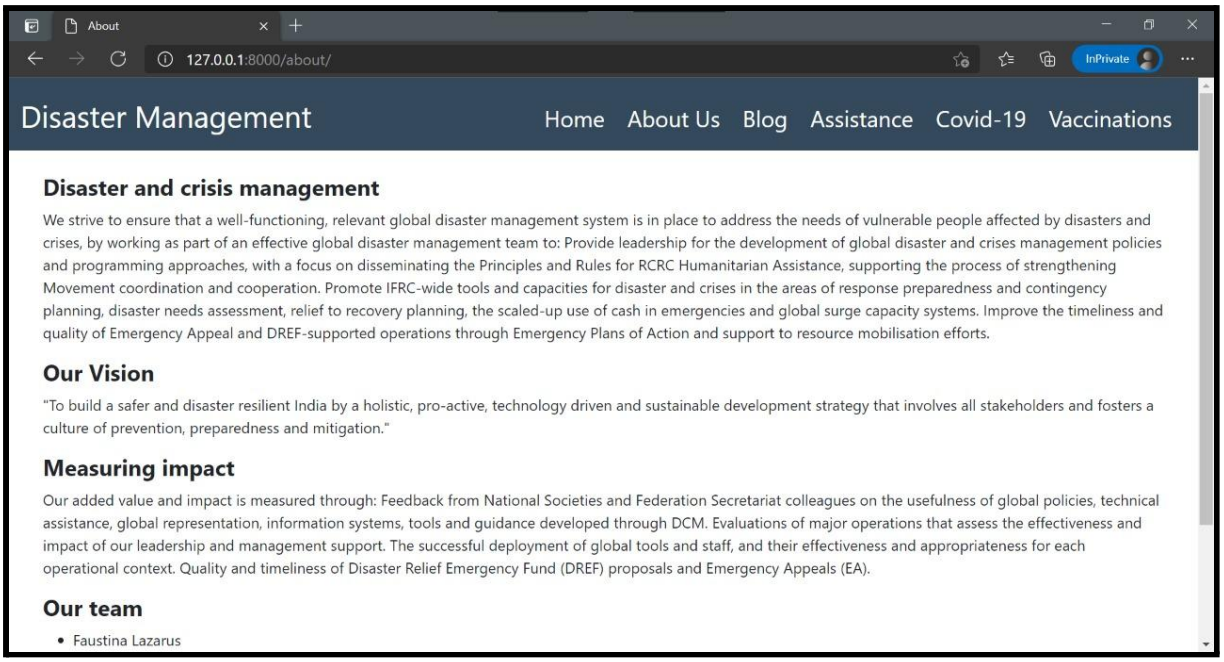
Intel core i3 Processor or higher.
4-GB RAM or more.

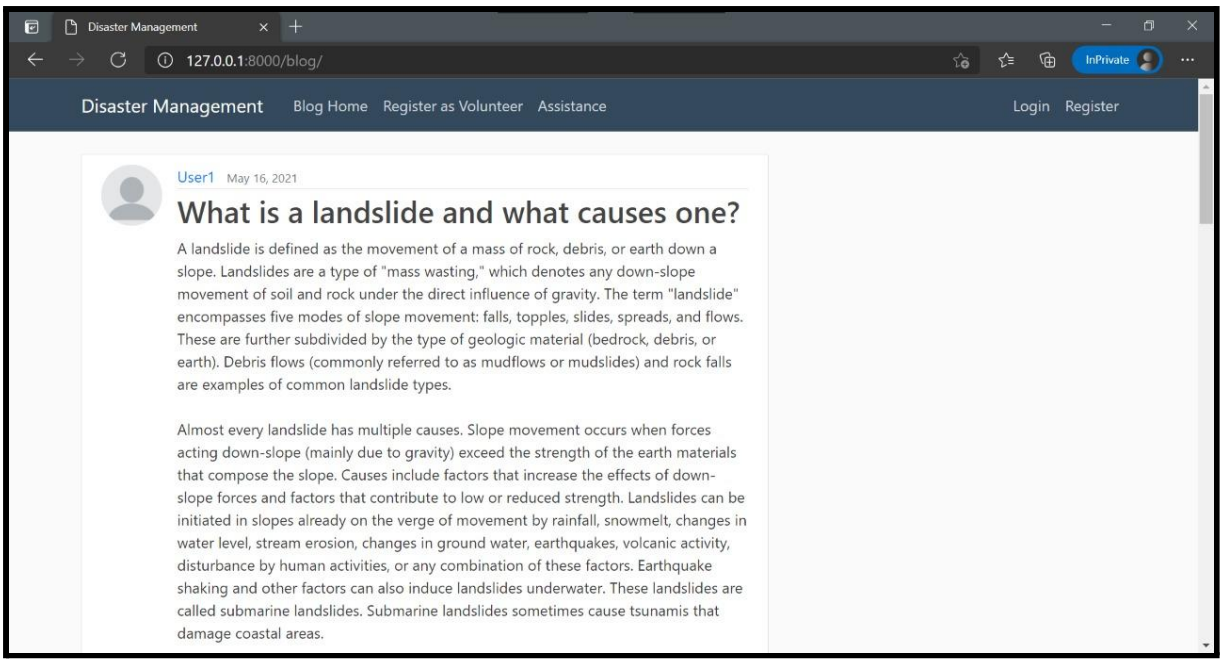
Required Software:

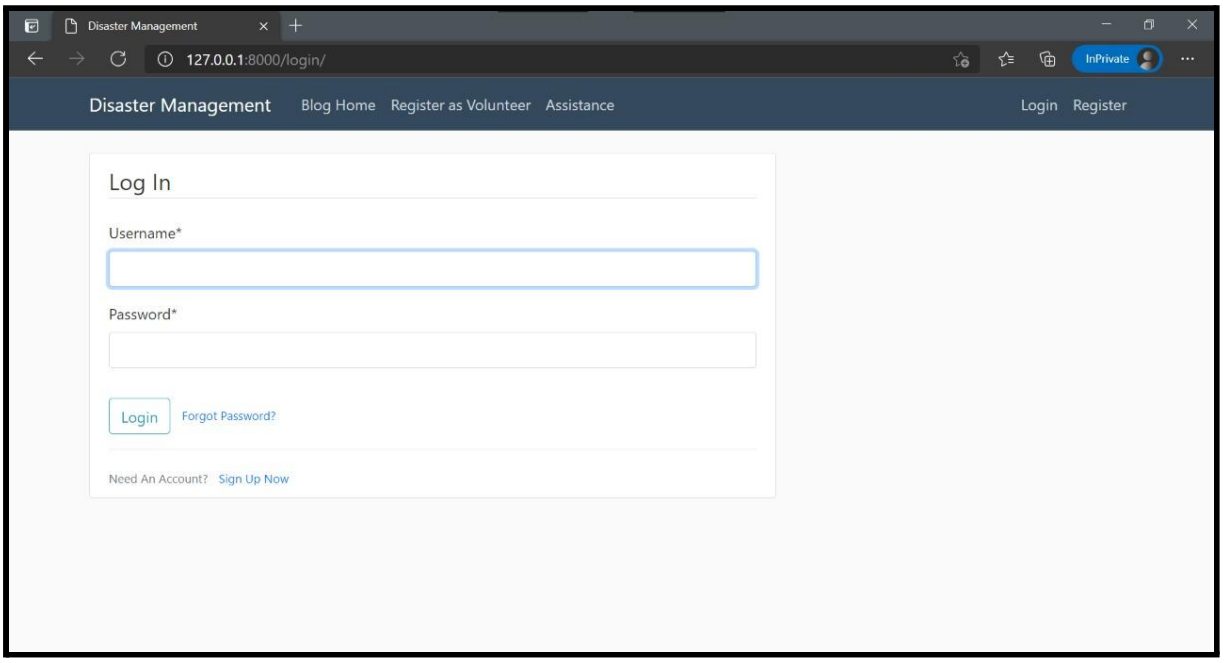
Python 3.9.4
Django 3.2
MySQL 8.0 Community Edition
Git 2.31.1
Visual Studio Code 1.55
Web Browser like Google Chrome, Mozilla Firefox, etc

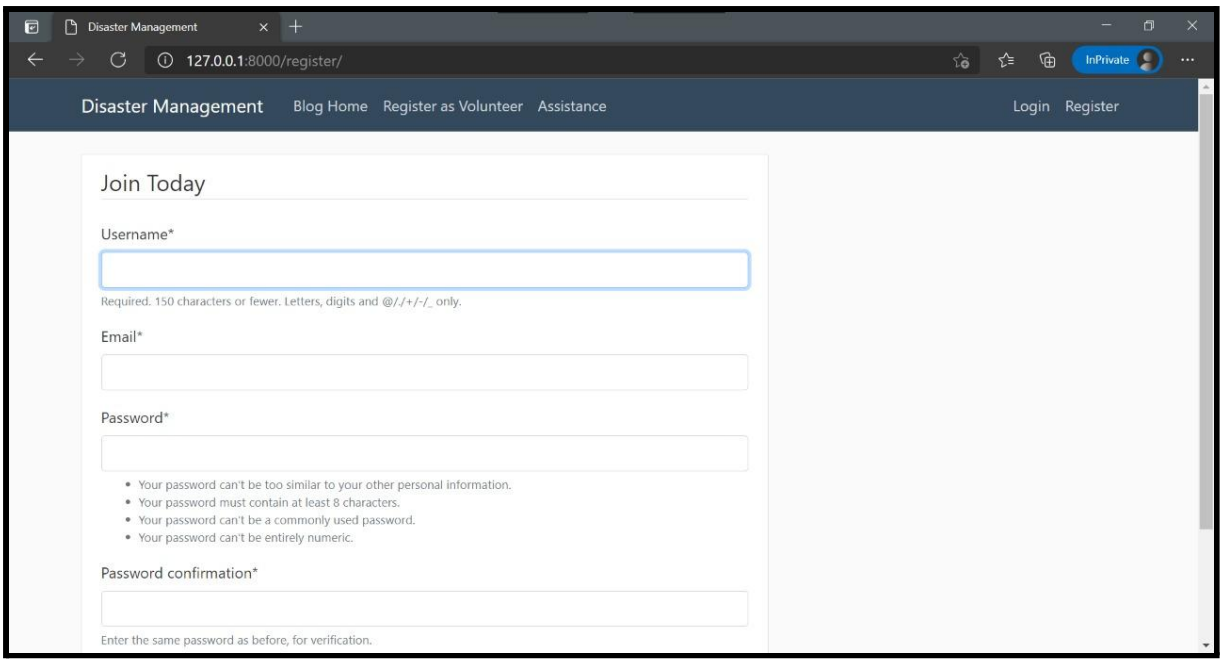
Chapter 5
Results

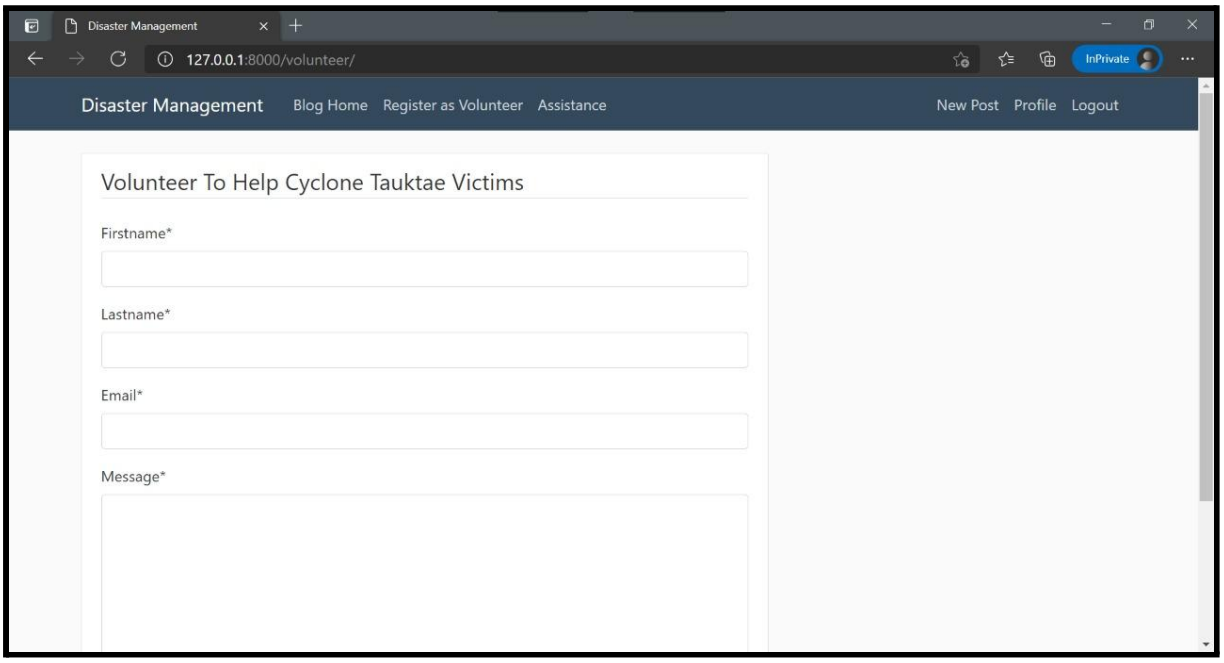


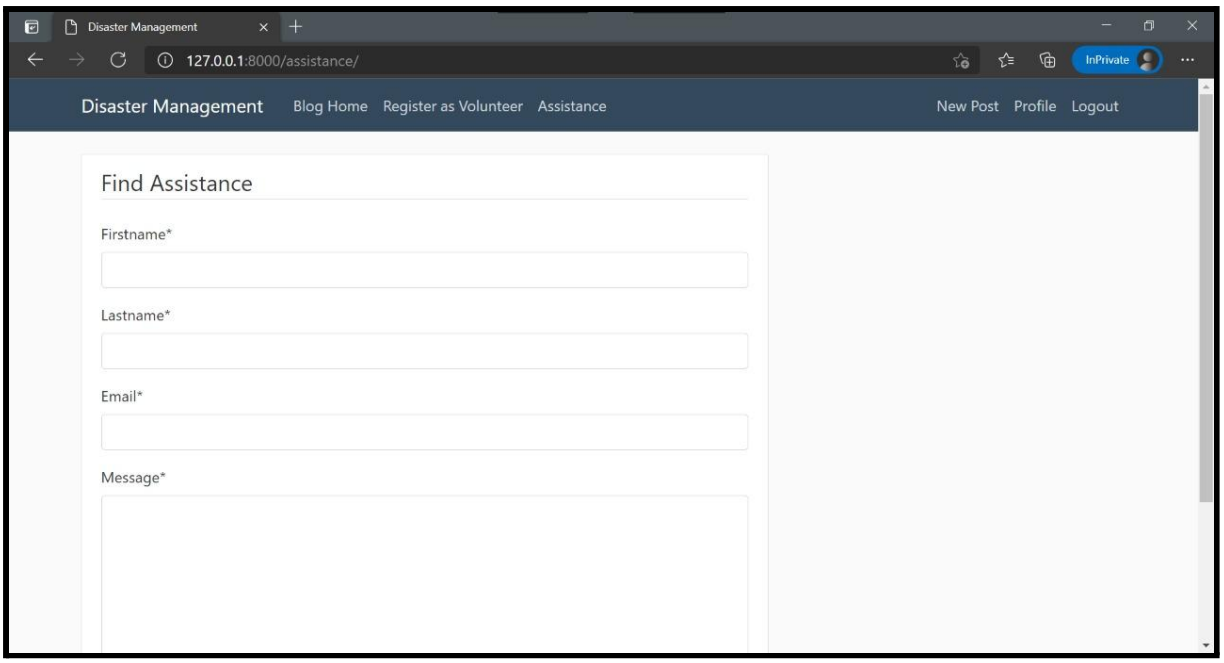


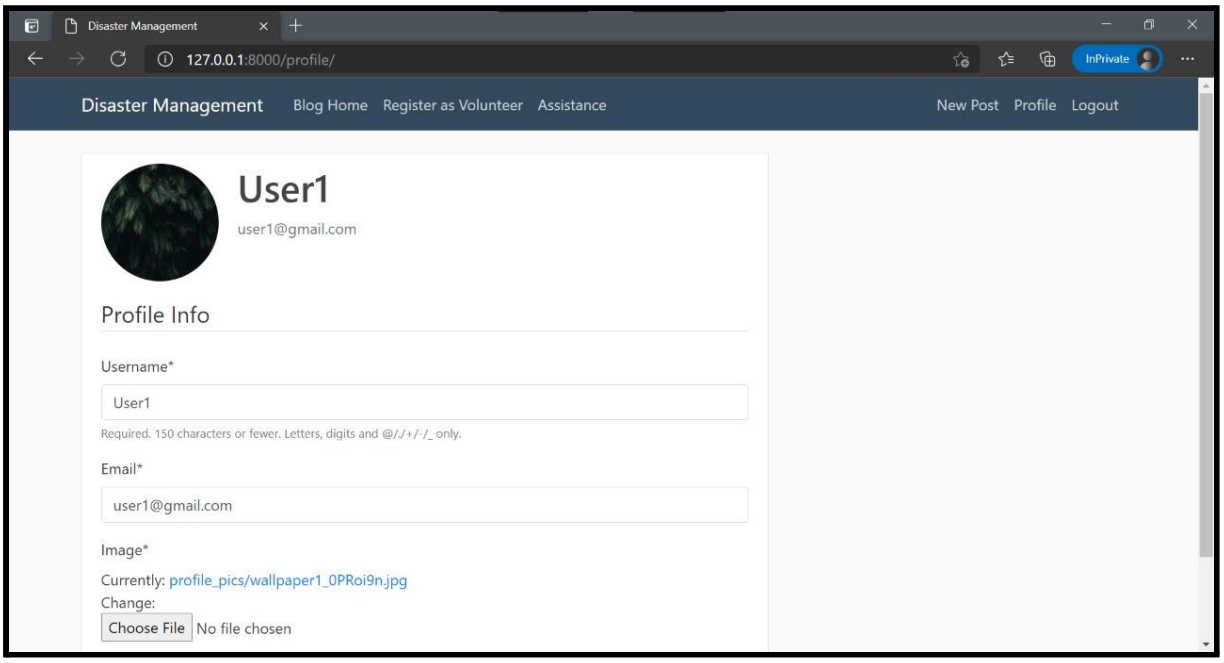

Disaster Management
127.0.0.1:8000/blog/
InPrivate
Disaster Management
Blog Home
Register as Volunteer
Assistance
Login
Register
User1
May 16, 2021
What is a landslide and what causes one?
A landslide is defined as the movement of a mass of rock, debris, or earth down a slope. Landslides are a type of "mass wasting," which denotes any down-slope movement of soil and rock under the direct influence of gravity. The term "landslide" encompasses five modes of slope movement: falls, topples, slides, spreads, and flows. These are further subdivided by the type of geologic material (bedrock, debris, or earth). Debris flows (commonly referred to as mudflows or mudslides) and rock falls are examples of common landslide types.
Almost every landslide has multiple causes. Slope movement occurs when forces acting down-slope (mainly due to gravity) exceed the strength of the earth materials that compose the slope. Causes include factors that increase the effects of down-slope forces and factors that contribute to low or reduced strength. Landslides can be initiated in slopes already on the verge of movement by rainfall, snowmelt, changes in water level, stream erosion, changes in ground water, earthquakes, volcanic activity, disturbance by human activities, or any combination of these factors. Earthquake shaking and other factors can also induce landslides underwater. These landslides are called submarine landslides. Submarine landslides sometimes cause tsunamis that damage coastal areas.

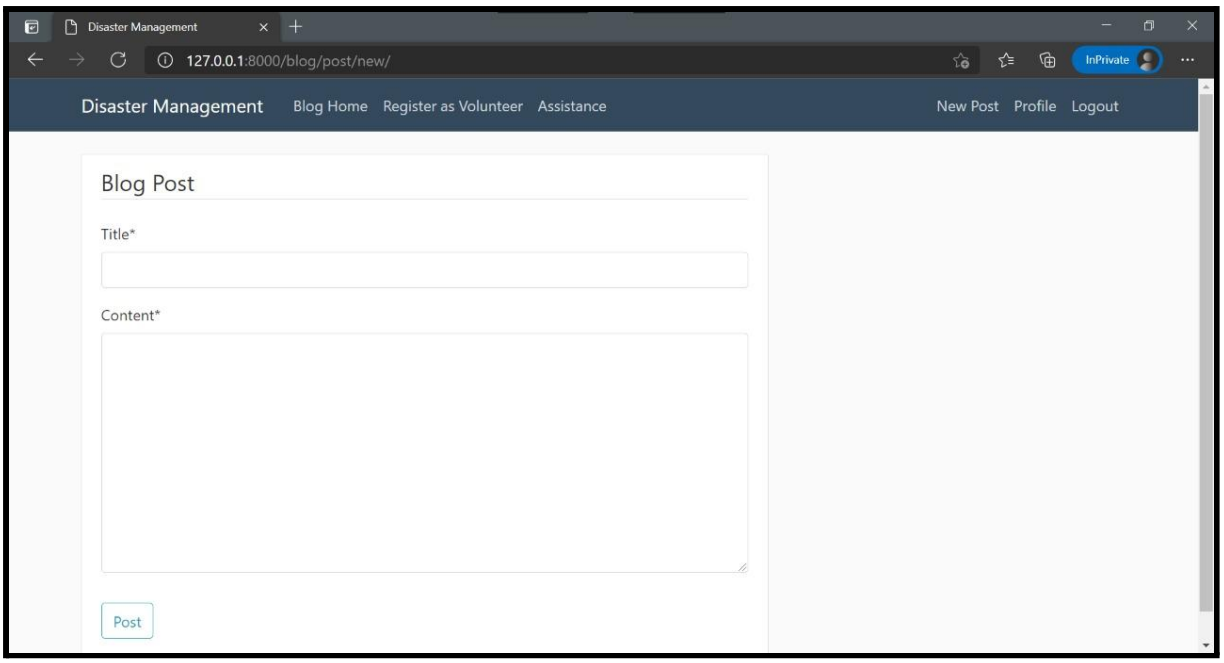

Disaster Management
127.0.0.1:8000/login/
InPrivate
Disaster Management
Blog Home
Register as Volunteer
Assistance
Login
Register
Log In
Username*
Password*
Login
Forgot Password?
Need An Account?
Sign Up Now

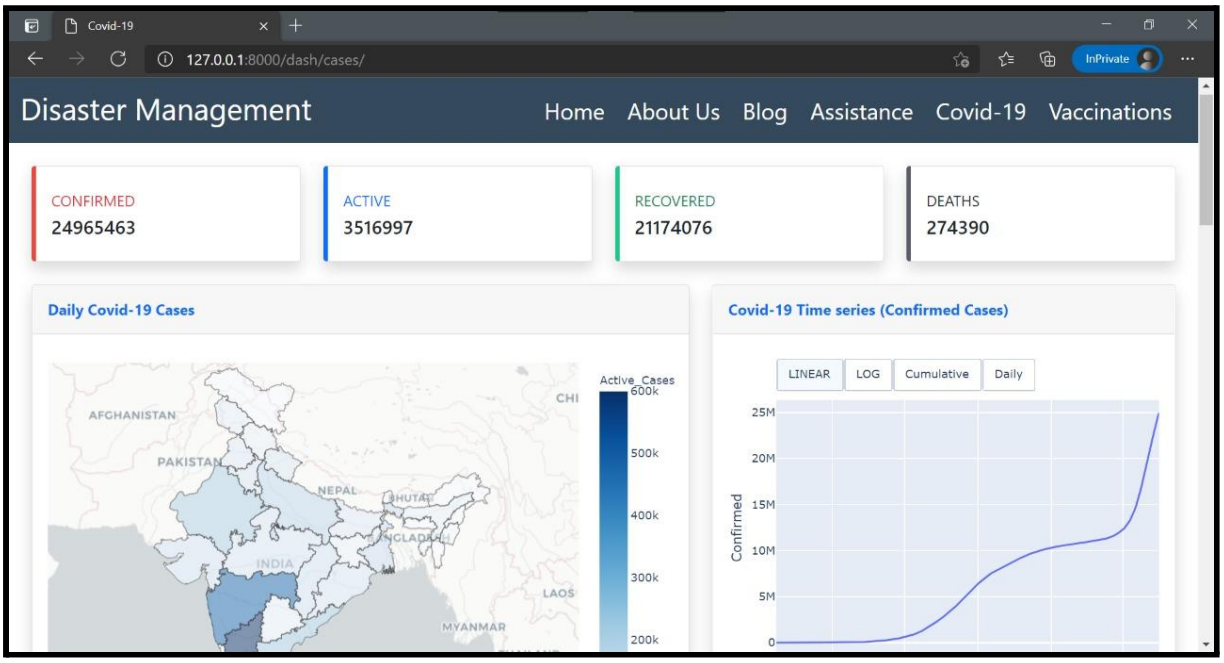

Disaster Management
127.0.0.1:8000/register/
InPrivate
Disaster Management
Blog Home
Register as Volunteer
Assistance
Login
Register
Join Today
Username*
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.
Email*
Password*
Your password can't be too similar to your other personal information.
Your password must contain at least 8 characters.
Your password can't be a commonly used password.
Your password can't be entirely numeric.
Password confirmation*
Enter the same password as before, for verification.

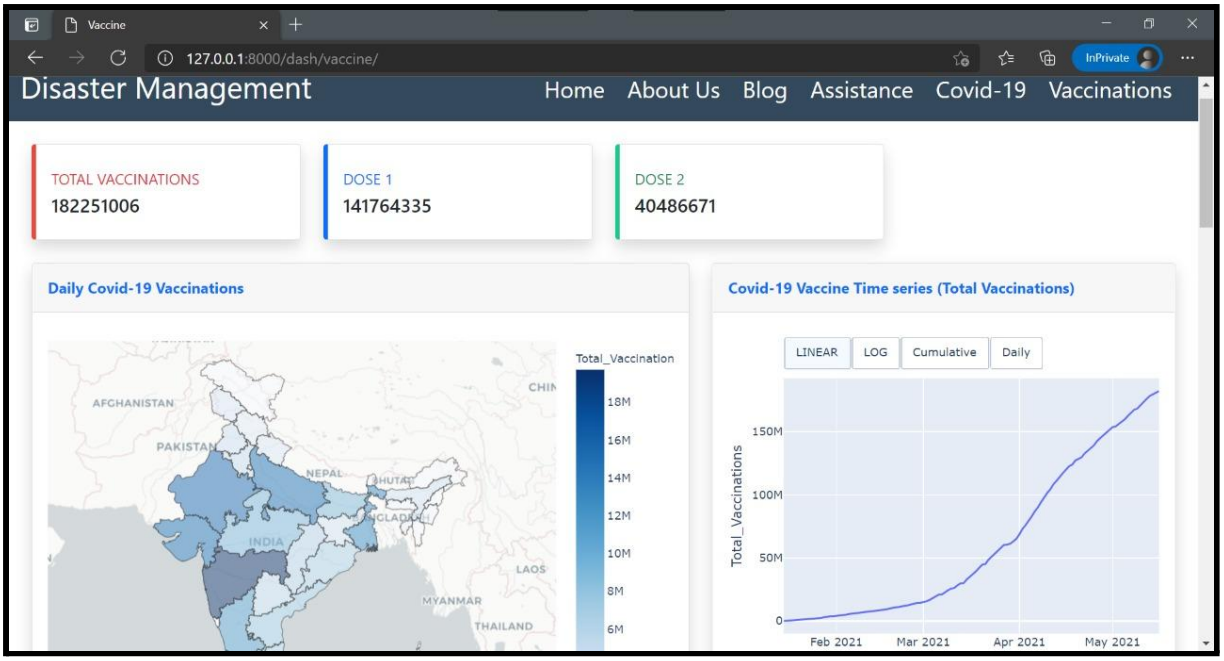

Disaster Management
127.0.0.1:8000/volunteer/
InPrivate
Disaster Management
Blog Home
Register as Volunteer
Assistance
New Post
Profile
Logout
Volunteer To Help Cyclone Tauktae Victims
Firstname*
Lastname*
Email*
Message*


Disaster Management
127.0.0.1:8000/assistance/
InPrivate
Disaster Management
Blog Home
Register as Volunteer
Assistance
New Post
Profile
Logout
Find Assistance
Firstname*
Lastname*
Email*
Message*


Disaster Management
127.0.0.1:8000/profile/
InPrivate
Disaster Management
Blog Home
Register as Volunteer
Assistance
New Post
Profile
Logout
User1
user1@gmail.com
Profile Info
Username*
User1
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.
Email*
user1@gmail.com
Image*
Currently: profile_pics/wallpaper1_0PRoi9n.jpg
Change:
Choose File
No file chosen


Disaster Management
127.0.0.1:8000/blog/post/new/
InPrivate
Disaster Management
Blog Home
Register as Volunteer
Assistance
New Post
Profile
Logout
Blog Post
Title*
Content*
Post


Covid-19
127.0.0.1:8000/dash/cases/
InPrivate
Disaster Management
Home
About Us
Blog
Assistance
Covid-19
Vaccinations
CONFIRMED
24965463
ACTIVE
3516997
RECOVERED
21174076
DEATHS
274390
Daily Covid-19 Cases
Active_Cases
600k
500k
400k
300k
200k
AFGHANISTAN
PAKISTAN
NEPAL
BHUTAN
INDIA
LAOS
MYANMAR
Covid-19 Time series (Confirmed Cases)
LINEAR
LOG
Cumulative
Daily
Confirmed
25M
20M
15M
10M
5M
0


Vaccine
127.0.0.1:8000/dash/vaccine/
InPrivate
Disaster Management
Home
About Us
Blog
Assistance
Covid-19
Vaccinations
TOTAL VACCINATIONS
182251006
DOSE 1
141764335
DOSE 2
40486671
Daily Covid-19 Vaccinations
Total_Vaccination
18M
16M
14M
12M
10M
8M
6M
AFGHANISTAN
PAKISTAN
NEPAL
INDIA
LAOS
MYANMAR
THAILAND
Covid-19 Vaccine Time series (Total Vaccinations)
LINEAR
LOG
Cumulative
Daily
Total_Vaccinations
150M
100M
50M
0
Feb 2021
Mar 2021
Apr 2021
May 2021

Chapter 6
Conclusion and Future Scope

Conclusion:-

We have created a website named “Disaster Management Website ”, which is a user friendly website for the public. This website will help the public browse information about different disasters(precautions,first aids,etc) and Covid and also share their thoughts with the community. We have used HTML,CSS and Bootstrap(v5) for front end and Django as a framework of python for backend. MySQL is used for database storage.

Future Scope:-

- Enable functionality of adding videos.
- Enable dark mode.
- Create an app instead of a website for more compatibility. .
- Create it more accessible by improving the UI further.

References

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