

Project vHelp-ResQMe.

Lovely Professional University

A project on CHE.

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Introduction.

Introducing vHelp - Your Ultimate Weather Companion and Natural Disaster Assistant!

vHelp is a cutting-edge desktop software designed to keep you informed and safe in the face of ever-changing weather conditions and natural disasters. With its powerful features and intuitive interface, vHelp is your go-to tool for staying ahead of the weather and being prepared for the unexpected.

Weather updates are at your fingertips with vHelp. You can easily access real-time weather information, including temperature, humidity, wind speed, and precipitation, to plan your day and make informed decisions. vHelp also provides weather forecasts for multiple locations, so you can stay informed about the weather conditions at your desired locations.

But vHelp goes beyond just providing weather updates - it also helps you stay safe during natural disasters. With its advanced warning system, vHelp can alert you in advance about potential severe weather events such as hurricanes, tornadoes, floods, and wildfires, allowing you to take necessary precautions to protect yourself and your loved ones.

In the unfortunate event of a natural disaster, vHelp comes to the rescue with offline access to life-saving instructions. As internet service may be disrupted during a natural disaster, vHelp stores crucial instructions offline, ensuring you have access to critical information even when connectivity is lost. Whether it's evacuation routes, emergency contact information, or first aid procedures, vHelp has you covered.

vHelp is your reliable and trustworthy companion during challenging weather conditions and natural disasters. With its comprehensive features and offline capabilities, vHelp empowers you to stay informed, prepared, and safe. Whether you're at home, work, or on the go, vHelp is there to help you weather the storm. Download vHelp today and experience the peace of mind that comes with being prepared.

Project Name: vHelp - Weather and Disaster Assistance Software

vHelp is a desktop software that aims to provide users with vital weather information, warnings, and instructions to stay safe during natural disasters, even when internet service is unavailable. The software is designed to be a comprehensive tool that helps users prepare for, respond to, and recover from various weather-related emergencies and natural disasters.

The software offers real-time weather updates, including forecasts, warnings, and alerts, to help users stay informed about changing weather conditions. In case of severe weather events or natural disasters, vHelp provides timely warnings and instructions on how to take appropriate actions to stay safe. What sets vHelp apart is its offline availability, which allows users to access critical information and instructions even when internet connectivity is compromised during emergencies.

The software covers a wide range of weather-related emergencies, such as hurricanes, tornadoes, floods, wildfires, earthquakes, and more. It provides detailed instructions on how to prepare for these events, including evacuation routes,

emergency supplies, and communication plans. In the event of a disaster, vHelp offers step-by-step instructions on how to respond and recover safely, including first aid, sheltering, and communication strategies.

vHelp is user-friendly and features a visually appealing interface that makes it easy for users to access and understand critical information quickly. The software is also continuously updated with the latest weather data and disaster response guidelines to ensure accuracy and relevance.

By providing timely and offline weather information, warnings, and instructions, vHelp aims to empower users with the knowledge and tools they need to stay safe during natural disasters. Whether it's preparing for an impending hurricane or responding to an earthquake, vHelp is a reliable resource that helps users navigate through emergencies and protect their lives and property.

In conclusion, vHelp is a comprehensive desktop software that provides weather and disaster assistance to users, with offline availability, ensuring access to critical information even during internet outages. It aims to help users prepare, respond, and recover from natural disasters by offering real-time weather updates, warnings, and instructions. With its user-friendly interface and timely information, vHelp is a valuable tool for individuals, families, and communities to enhance their preparedness and resilience in the face of weather-related emergencies and natural disasters.

Here are some images for the same, including weather reports, the website by the government, and useful measures that will be available offline as internet connection is not usually available during the times of a disaster.

Help

Weather

NDMA

Earthquake

Tsunami

Hurricane

Tornado

Cyclone

Volcanic Eruption

Typhoon

Flood

Drought

Wildfire

Avalanche

Landslide

Search for location

°C

Chandigarh, CH

Weather App

Current weather

7:59 AM

16°C

Sunny

Feels like 16°

Expect sunny skies. The high will be 33°.

Air quality

97

Wind

1 km/h

Humidity

48%

Visibility

4 km

Pressure

1013 mb

Dew point

7°

10 DAY FORECAST

SEE MONTHLY FORECAST

Today

33°

16°

Sunny

0%

Tue 11

35°

21°

Wed 12

36°

21°

Thu 13

36°

21°

Fri 14

37°

20°

Summary

Hourly

Summary

16°

26°

31°

33°

33°

32°

28°

24°

23°

Now

9 AM

11 AM

1 PM

3 PM

5 PM

7 PM

9 PM

11 PM

TODAY'S RECOMMENDATIONS

Mon. 10 Apr

Suggestions for your day

Umbrella

No need

Outdoors

Fair

Clothing

Light jacket

Wind chill

Safe

See more

Help

Weather

NDMA

Earthquake

Tsunami

Hurricane

Tornado

Cyclone

Volcanic Eruption

Typhoon

Flood

Drought

Wildfire

Avalanche

Landslide

Government Of India

भारत सरकार

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English

NATIONAL DISASTER MANAGEMENT AUTHORITY

सत्यमेव जयते

About Us

Governance

Alert

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Sache

Covid 19

COVID-19 Report: Indian Experience

COVID-19 Case Studies

NDMA Orders & Advisories

MHA Orders & Guidelines

MoHFW Medical & Health

Orders by other Ministries

COVID-19 GIS Portal

covid-19 Positive stories

Register as Volunteer

Reference Material

Workshop/ Conference

Are you prepared for the HEAT WAVE?

TAKE THE FOLLOWING PRECAUTIONS

- Listen to Radio; watch TV; read Newspaper for local weather news.
- Drink sufficient water - even if not thirsty.
- Use ORS (Oral Rehydration Solution), homemade drinks like lassi, torani (rice water) lemon water, buttermilk, etc. to keep yourself hydrated.
- Wear lightweight, light-coloured, loose, cotton clothes.
- Cover your head: Use a cloth, hat or umbrella.
- Keep animals in shade and give them plenty of water to drink.
- Do not leave children or pets in parked vehicles - as they may get affected by Heat Wave.

Issued in public interest by:

National Disaster Management Authority

Follow us on:

For more information log on to:

www.ndma.gov.in

Natural Hazards

Cyclone

Tsunami

Heat Wave

Landslide

Man made Hazards

Chemical

Nuclear

Biological

SDMA

Andhra Pradesh

Arunachal Pradesh

Assam

Bihar

Global Initiatives

International Exercises

GPDRR

AMCDRR

Sendai Framework

Weather

NDMA

Earthquake

Tsunami

Hurricane

Tornado

Cyclone

Volcanic Eruption

Typhoon

Flood

Drought

Wildfire

Avalanche

Landslide

Disasters and Emergencies


Make a Plan

Get Involved

Ready Business

Ready Kids

Resources



Disasters and Emergencies

All Hazards

Emergency Alerts

Attacks in Public Places

Avalanche

Biohazard Exposure

Cybersecurity

Drought

Earthquakes

Explosions

Extreme Heat

Floods

Earthquakes

المربية

English

Español

Français

Kreyòl

日本語

한국어

Русский

Tagalog

Tiếng Việt

简体中文

Prepare Before

Stay Safe During

Stay Safe After

Additional Resources

An earthquake is a sudden, rapid shaking of the ground caused by the shifting of rocks deep underneath the earth's surface. Earthquakes can cause fires, tsunamis, landslides or avalanches. While they can happen anywhere without warning, areas at higher risk for earthquakes include Alaska, California, Hawaii, Oregon, Puerto Rico, Washington and the entire Mississippi River Valley.

Prepare Before an Earthquake

✓

5

Weather

NDMA

Earthquake

Tsunami

Hurricane

Tornado

Cyclone

Volcanic Eruption

Typhoon

Flood

Drought

Wildfire

Avalanche

Landslide

Disasters and Emergencies


Make a Plan

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Disasters and Emergencies

All Hazards

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Kreyòl

日本語

한국어

Русский

Tagalog

Tiếng Việt

简体中文

Prepare for Wildfires

Stay Safe During

After a Wildfire

Additional Resources

Wildfires are unplanned fires that burn in natural areas like forests, grasslands or prairies. These dangerous fires spread quickly and can devastate not only wildlife and natural areas, but also communities.

Prepare for Wildfires

!

Recognize Warnings and Alerts

Github link for the same:

<https://github.com/snehccurry/vhelp-ResQMe>

Future Plans:

We are planning on building a real time notification system that will warn users based on predictions and live forecasts, and provide necessary instructions for the same, and also we'll provide useful blood related information in the app and make the app simple for users to signup, provide their blood group and accept donations soon. Our Alert system will be better and will cover multiple languages too, based on the regions and the language the maximum users in the area prefer, also we are planning on training an AI to provide accurate and just useful information without having the need to connect to the internet, also, a build for both android and ios is coming out soon, with Bluetooth chat option and help needed signal for those who are stuck .

Technologies used:

Heema: An Opensource GUI framework built by us.

CEFPython: For browser features.

Pillow: For images

Python: For scripting the whole application

Pyinstaller: For bundling the .exe