TEAM ID: PNT2022TMID16376
TEAM MEMBERS NAME: AKSHARA R
KALAIVANI G
MAHALAKSHMI G
VINISHA V

NATURAL DISASTERS INTENSITY ANALYSIS AND CLASSIFICATION USING ARTIFICIAL INTELLIGENCE

INTRODUCTION

1.1 PROJECT OVERVIEW

Natural disasters not only disturb the human ecological system but also destroy the properties and critical infrastructures of human societies and even lead to permanent change in the ecosystem. Disaster can be caused by naturally occurring events such as earthquakes, cyclones, floods, and wildfires. Many deep learning techniques have been applied by various researchers to detect and classify natural disasters to overcome losses in ecosystems, but detection of natural disasters still faces issues due to the complex and imbalanced structures of images. To tackle this problem, we propose a multilayered deep convolutional neural network.

1.2 Purpose

Natural disasters are inevitable, and the occurrence of disasters drastically affects the economy, ecosystem and human life. Buildings collapse, ailments spread and sometimes natural disasters such as tsunamis, earthquakes, and forest fires can devastate nations. When earthquakes occur, millions of buildings collapse due to seismological effects [1]. Many machine learning approaches have been used for wildfire predictions since the 1990s. A recent study used a machine learning approach in Italy. This study used the random forest technique for susceptibility mapping of wildfire . Floods are the most devastating natural disaster, damaging properties, human lives and infrastructures. To map flood susceptibility, an assembled machine learning technique based on random forest (RF), random

subspace (RS) and support vector machine (SVM) was used [3]. As the population is growing rapidly, people need to acquire land to live on, and as a result the ecosystem is disturbed horrifically, which causes global warming and increases the number of natural disasters. Populations in underdeveloped countries cannot afford damages disasters cause to infrastructures. The aftermath of disasters leaves the humans in miserable situations, and sometimes the devastating effects cannot be detected; additionally, rescue operations cannot take place in most of the places and victims are unable to be identified due to geographical factors of the different areas. Disasters such as forest fires spread rapidly in dense areas, so firefighting is difficult to carry out; in this case, development of the strategy to predict such circumstances is crucial so that such disasters can be prevented beforehand.

2. LITERATURE SURVEY

2.1 Existing system

Disaster can be caused by naturally occurring events such as earthquakes, cyclones, floods, and wildfires. Many deep learning techniques have been applied by various researchers to detect and classify natural disasters to overcome losses in ecosystems, but detection of natural disasters still faces issues due to the complex and imbalanced structures of images.

2.2 REFERENCES

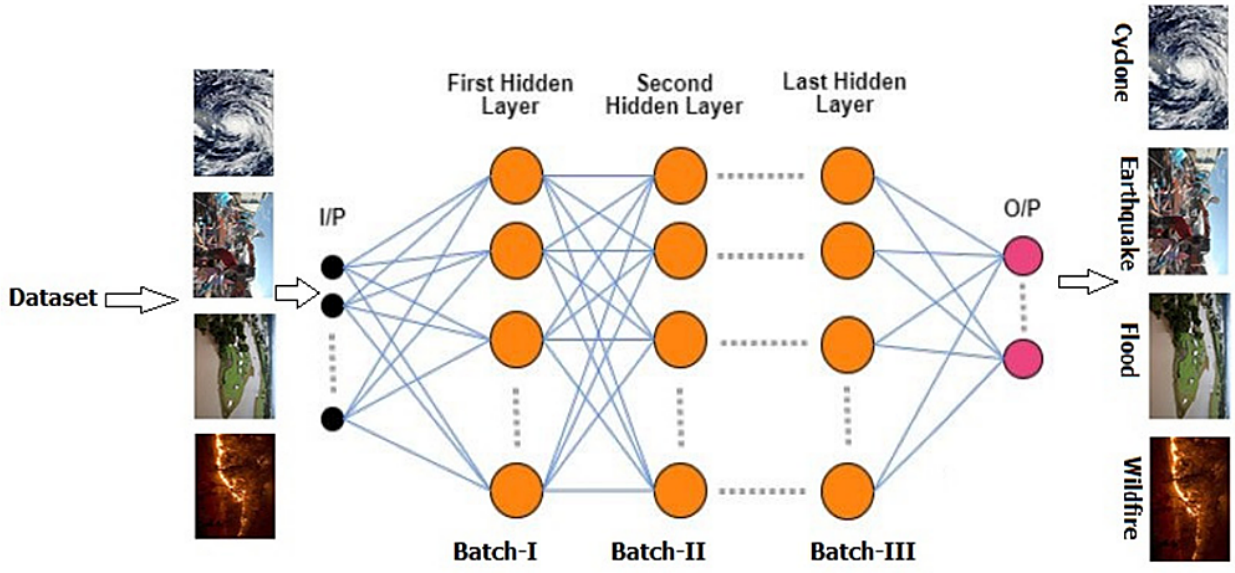
Adams, G., O'Brien, L. T., & Nelson, J. C. (2006). Perceptions of racism in Hurricane Katrina: A liberation psychology analysis. Analyses of Social Issues and Public Policy, 6(1), 215–235. Aguirre, B. E. (1988). The lack of warnings before the Saragosa tornado. International Journal of Mass Emergencies and Disasters, 6(1), 65–74. Al-rousan, T. M., Rubenstein, L. M., & Wallace, R. B. (2014, March). Preparedness for natural disasters among older U.S. adults: A nationwide survey. American Journal of Public Health, 104(3), 506–511. doi: 10.2105/ AJPH.2013.301559 Austin, R., & Schill, M. (1994). Unequal protection. San Francisco, CA: Sierra Club Books. Bolin, B. (2007). Race, class, ethnicity, and disaster vulnerability. Handbook of disaster research (pp. 113–129). New York, NY: Springer. Bolin, R. (1986). Disaster impact and recovery: A comparison of

black and white victims. International Journal of Mass Emergencies and Disasters, 4(1), 35–50. Bolin, R. (1993). Household and Community Recovery After Earthquakes, Program on Environment and Behavior Monograph No. 56, University of Colorado, Institute of Behavioral Science, Natural Hazards Research and Applications Information Center, Boulder. Bolin, R., & Bolton, P. (1986). Race, religion, and ethnicity in disaster recovery, Program on Environment and Behavior Monograph No. 42, University of Colorado, Institute of Behavioral Science, Natural Hazards Research and Applications Information Center, Boulder. Bolin, R., with Stanford, L. (1998). The Northridge earthquake: Vulnerability and disaster. New York, NY: Routledge. Bonanno, G. A. (2004). Loss, trauma, and human resilience: Have we underestimated the human capacity to thrive after extremely aversive events? American Psychologist, 59(1), 20–28. Bouchama, A., Dehbi, M., Mohamed, G., Matthies, F., Shoukri, M., & Meanne, B. (2007). Prognostic factors in heat wave–related deaths: A meta-analysis. Archives of Internal Medicine, 167, 2170–2176. doi:10.1001/ archinte.167.20.ira70009 Bourque, L. B., Russell, L. A., & Goltz, J. D. (1993). Human behavior during and immediately after the earthquake. In P. A. Bolton (Ed.), The Loma Prieta, California, earthquake of October 17, 1989: Public response (pp. B3–B22). Washington, DC: U.S. Government Printing Office. Buttke, D., Vagi, S., Bayleyegn, T., Sircar, K., Strine, T., Morrison, M., . . . Wolkin, A. (2012, October). Mental health needs assessment after the Gulf Coast oil spill—Alabama and Mississippi, 2010. Prehospital and Disaster Medicine, 27(5), 401–408. doi: 10.1017/S1049023X12001100 Buttke, D., Vagi, S., Schnall, A., Bayleyegn, T., Morrison, M., Allen, M., & Wolkin, A. (2012, December). Community Assessment for Public Health Emergency Response (CASPER) one year following the Gulf Coast oil spill: Alabama and Mississippi, 2011. Prehospital and Disaster Medicine, 27(6), 496–502. doi: 10.1017/ S1049023X12001380 Centers for Disease Control and Prevention. (2016). Behavioral Risk Factor Surveillance System. Available online at https://www.cdc.gov/brfss Childers, C. D. (1999). Elderly female-headed households in the disaster loan process. International Journal of Mass Emergencies and Disasters, 17(1), 99–110. Comerio, M. C., Landis, J. D., & Rofe, Y. (1994). Post-Disaster Residential Rebuilding, Working Paper 608, Institute of Urban and Regional Development, University of California, Berkeley, CA. Cooper, F., & Laughy, L. (1994). Managing hazards in a changing multinational world.

Unpublished manuscript. Dash, N., Peacock, W. G., & Morrow, B. H. (1997). And the poor get poorer: A neglected black community. In: W. G. Peacock et al. (Eds.), Hurricane Andrew: Ethnicity, Gender, and the Sociology of Disasters (pp. 206–225). New York, NY: Routledge.

2.3 Problem statement definition

The natural disaster intensity analysis and classification is based on multispectral images using a multilayered deep convolutional neural network. Moreover, this method consists of two blocks of a convolutional neural network. The first block detects a natural disaster occurring and the second one defines the intensity type of the natural disaster. Additionally, the first block consists of three mini convolutional blocks with four layers each, including an image input and fully connected layers. On the other hand, the second block also consists of three miniconvolutional blocks with two layers each and includes an image input layer and is fully connected.

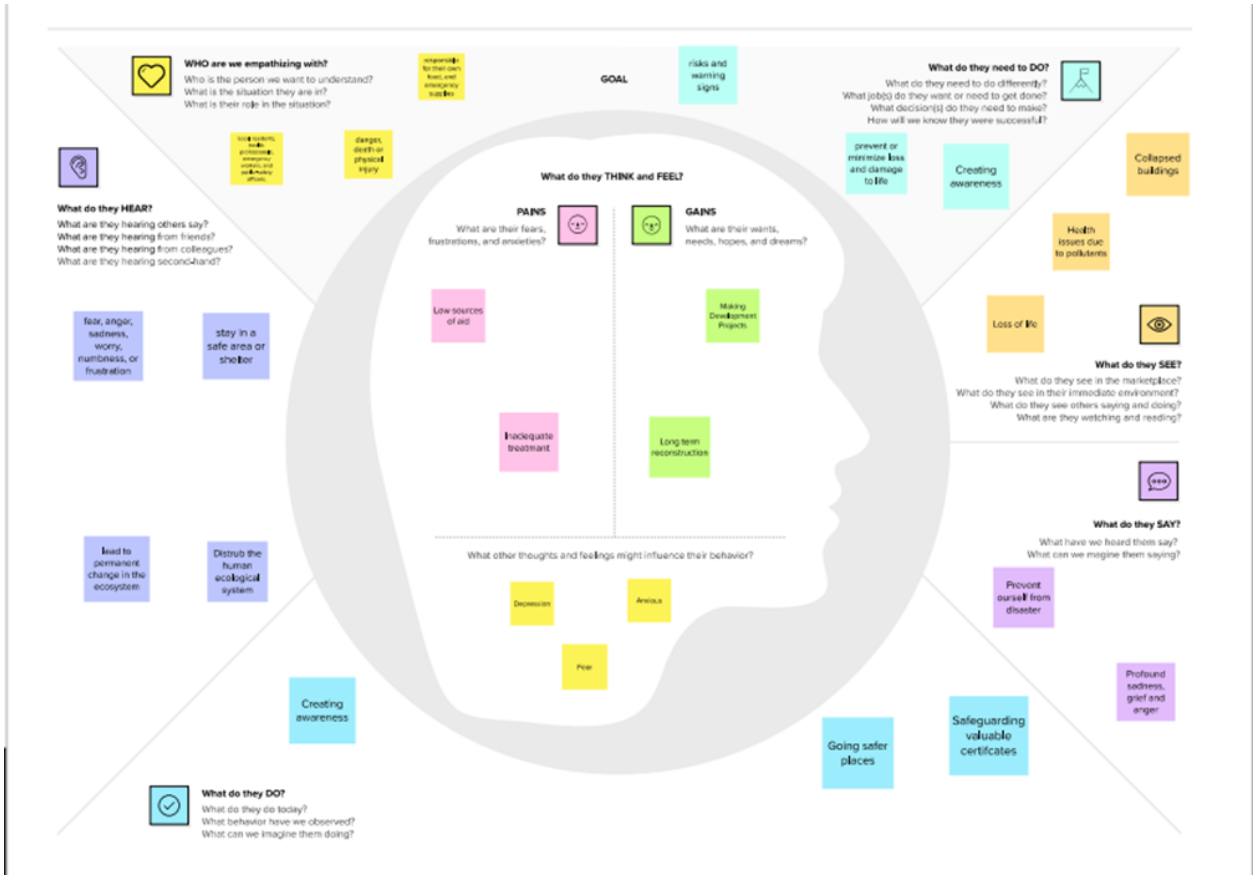


3. IDEATION & PROPOSED SOLUTION

3.1 Empathy map canvas

An empathy map is an effective visualization template that helps analyze the

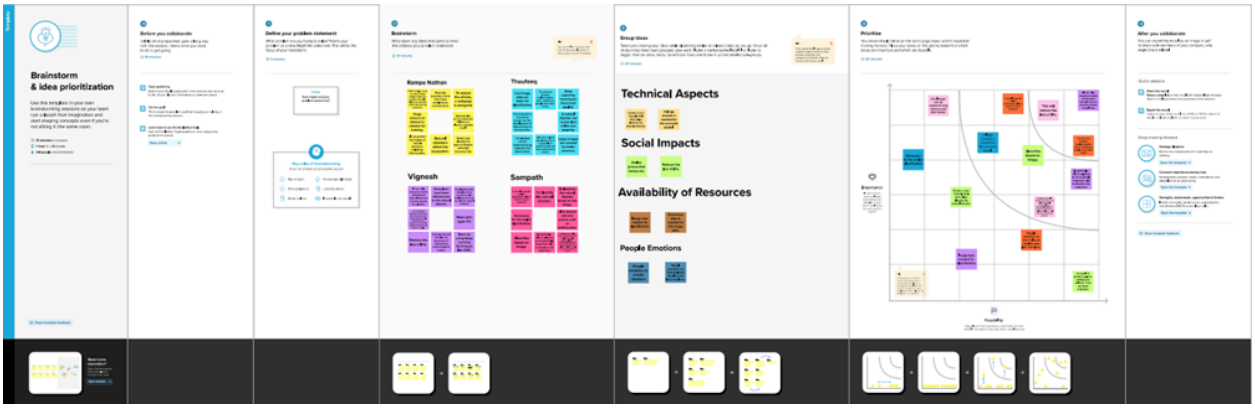
behavior and emotions of customers and users. Empathy maps not only detect the behaviors but highlight possible mediums for brands to communicate with their customers in a better way. Whether this is changing their outreach strategies, user experience, or messaging, an empathy map aims to view a given interaction through the customer's eyes and improve it from their perspective.
Empathy maps are beneficial in uniting a team to address the core concerns of the customer and ensuring that this process both documents their frustrations and provides a consumer-informed solution.



3.2 Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.



3.3 Proposed solution

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To analyse and classify the intensity of the natural disaster using Artificial Intelligence.
2.	Idea / Solution description	To propose a Convolutional Neural Network model for detection and classification of disaster intensity.
3.	Novelty / Uniqueness	The proposed model works in two blocks of convolutional neural network.
4.	Social Impact / Customer Satisfaction	Provides better accuracy in analysing intensities which enables better prediction of disaster
5.	Business Model (Revenue Model)	The model works efficiently and effectively with better accuracy for customers.
6.	Scalability of the Solution	Enhances collaboration between current and past initiatives and provides better accuracy and prediction. The used algorithms and CNN model made the analysis and classification easier.

3.4 Problem solution fit

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

Solve complex problems in a way that fits the state of your customers.

Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.

Sharpen your communication and marketing strategy with the right triggers and messaging.

Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.

Understand the existing situation in order to improve it for your target group.

4. Requirement Analysis

4.1 Functional Requirement:

Following are the functional requirement of the proposed solution

FR NO	FUNCTIONAL REQUIREMENT	SUB REQUIREMENT
FR-1	User Registration	Registration through form Registration through gmail Registration through linkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile	Personal Details
FR-4	Information about weather forecasting	Helps to determine future climate change

FR-5	Display the forecasting of the place	Such as Precipitation, Humidity, Wind

4.2 Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR NO.	NON-FUNCTIONAL REQUIREMENTS	DESCRIPTION
NRF-1	Usability	Classifying disasters and prone to it.
NRF-2	Security	User details must be secured.
NRF-3	Reliability	The output procedure should be reliable to the users.
NRF-4	Performance	The system should be able to handle many users without performance deterioration.
NRF-5	Availability	The system should be accessible to a user at a given point in time.

NRF-6	Scalability	The website pages should load with the total number of simultaneous users.

5.PROJECT PLANNING

5.1 DATA FLOW DIAGRAM

A Data Flow Diagram (DFD) is a traditional visual representationof the information flows within a system. Aneat and clear DFD can depict the right amount of the system requirements graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

5.3 USER STORIES

Use the below template to list all the user stories for the product.

USER TYPE	FUNCTIONAL REQUIREMENT	USER STORY NIMBER	USER STORY/ TASK	ACCEPTANCE CRITERIA	PRIORITY	RELEASE
Customer(Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and comfirming my password	I can access my account/ dashboard	High	Sprint-1
		USN-2	As a user, I will receive	I can receive	High	Sprint-1

			confirmation email once Ihave registered for the application	confirmation email & click confirm		
		USN-3	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-4	As a user, Ican log into the application email & password		High	Sprint-1
	Dashboard					
Customer (Web user)		USN-5	As a user, you can view edit your personal details	I can edit and view my details	Low	Sprint-2
		USN-6	As a user, you can determine future climatic changes	I can check on information about weather forecast	High	Sprint-2
Administrator		USN-7	As a admin you can	I can display	Medium	Sprint-3

			provide or display the requested details form user such as displaying forecasted weather of the place	forecasted details about weather.		

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

TITLE	DESCRIPTION	DATE
Literature Survey & Information Gathering	Literature survey on the selected project & gathering information by referring to technical papers, research publications etc.	16 OCTOBER 2022
Prepare Empathy Map	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements	09 OCTOBER 2022
Prepare Problem Statement	Prepare the list of problem statements	09 OCTOBER 2022
Ideation	List them by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance.	16 OCTOBER 2022
Proposed Solution	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	10 OCTOBER 2022
Problem Solution Fit	Prepare problem - solution fit document.	10 OCTOBER 2022
Solution Architecture	Prepare a solution architecture document.	11 OCTOBER 2022

Customer Journey	Prepare the user journey maps to understand the user interactions & experiences with the application (entry to exit).	18 OCTOBER 2022
Solution Requirement	Prepare the solution requirement document.	16 OCTOBER 2022
Data Flow Diagrams	Draw the data flow diagrams and submit for review.	18 OCTOBER 2022
Technology Architecture	Prepare the technology architecture diagram.	17 OCTOBER 2022
Prepare Milestone & Activity List	Prepare the milestones & activity list of the project.	7 NOVEMBER 2022
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	18 NOVEMBER 2022

6.2 Sprint Delivery Schedule

Sprint	Functional Requirement(Epic)	User story Number	User story / Task	Story points	Priority	Team members
Sprint-1	Registration	USN – 1	As a user, Registering into the product using a valid email address	5	High	Vinisha V
Sprint-2	Registration	USN – 2	As a user, Registering into the product using a valid username and password	3	Medium	Mahalakshmi G
Sprint-1	Authentication	USN – 3	As a user , I adept to logging into the system with credentials	4	High	Akshara R
Sprint-2	Authentication	USN - 4	As a user , I adept to logging into the system with OTP	2	High	Mahalakshmi G
Sprint-1	Designation of Region	USN – 5	selecting the region of interest to be monitored and analysed	3	High	Kalaivani G
Sprint-2	Analysis of Required Phenomenon	USN – 6	Regulating certain factors influencing the actions of the phenomenon	3	High	Vinisha V
Sprint-2	Accumulation of required Data	USN – 7	Gathering data and detailed report on past event analysis	4	Medium	Akshara R
Sprint-4	Organizing Unstructured data	USN – 8	Organizing and reorienting the raw data into a refined data	3	Low	Akshara R
Sprint-2	Algorithm selection	USN – 9	Choosing a required algorithm for specific analysis	2	High	Mahalakshmi G Kalaivani G Vinisha V Akshara R
Sprint-3	Prediction and analysis of data	USN – 10	Predicting and visualizing the data effectively	6	High	Mahalakshmi G Kalaivani G Vinisha V Akshara R
Sprint-4	Report generation	USN – 11	Generating a clear and detailed report on product data analysis	3	High	Kalaivani G Vinisha V

7. CODING & SOLUTIONING (Explain the features added in the project along with code)

7.1 FEATURE 1

```
from google.colab import drive
drive.mount('/content/drive')

import numpy as np import
pandas as pd import tensorflow
as tf
from tensorflow.keras import layers
from tensorflow.keras.models import Sequential
from tensorflow.keras.preprocessing.image import ImageDataGeneratorimport matplotlib.pyplot as plt

train_datagon=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_r
ange=0.2,horizontal_flip=True) test_datagon=ImageDataGenerator(rescale=1./255)

x_train=train_datagon.flow_from_directory('/content/drive/MyDrive/IBM-PROJECT/dataset/
train_set',target_size=(64,64),batch_size=5,color_mode='rgb',class_mode='categorical')
x_test=test_datagon.flow_from_directory('/content/drive/MyDrive/IBM- PROJECT/dataset/
train_set',target_size=(64,64),batch_size=5,color_mode='rgb',class_mode='categorical')

from tensorflow.keras.layers import Dense,Flatten
from tensorflow.keras.layers import Conv2D,MaxPooling2D

model=Sequential()

model.add(Conv2D(32,(3,3),input_shape=(64,64,3),activation='relu'))
model.add(MaxPooling2D(pool_size=(2,2))) model.add(Conv2D(32,(3,3),activation='relu'))
model.add(MaxPooling2D(pool_size=(2,2)))
model.add(Flatten())

model.add(Dense(units=128,activation='relu')) model.add(Dense(units=4,activation='softmax'))

model.summary()
model.compile(optimizer='adam',loss='categorical_crossentropy',metrics

=['accuracy'])
model.save('disaster.h5') model_json=model.to_json()with open("model-bw.json","w")asjson_file:
json_file.write(model_json)

from tensorflow.keras.models import load_model from
tensorflow.keras.preprocessing import image
model=load_model("disaster.h5")
img=image.load_img('/content/drive/MyDrive/dataset/test_set/
```

```
Earthquake/1321.jpg',target_size=(64,64)) x=image.img_to_array(img)
x=np.expand_dims(x,axis=0)
pred=model.predict(x)np.argmax(pre
d)
pred

index=['Cyclone','Earthquake','Flood','Wildfire']
y=np.argmax(model.predict(x),axis=1) print(index[int(y)])
```

7.2 FEATURE 2

home.html

```
<html>
    <head><title>homepage</title>
    <style>
        .Main{
            background-color:
            dimgray;justify-content:
            center; align-items:
            center;
            height:
            100%;
            display:fle
            x;
        }
        .navbar
        {
```

```
    background-color:black;
    color:chartreuse;
    width:
    100%;
    height:40
    px;
}
.navbar  ul
{
    display:flex;
    justify-content:flex-end;
    align-content: space-
    between;list-style: none;
    margin-top: -10px;
}
.navbar label
{
    font-size:
    25px; margin-
    left: 40px;
    font-weight:
    bold;
}
ul li
{
    width: 15%;
    font-size:
    20px;
    font-weight:
    bold;margin-
    top:-10px;
    font-family: Cambria,Cochin, Georgia, Times,'Times New Roman',serif;
}

li a
{
    text-decoration:
    none;color:whites
    moke;
}
```

```
 a:hover
 {
    background-color:chartreuse;

    border-radius: 5px;
 }

.container
{
  width:80%;
  height:80%;
  margin:40px
  50px;display:
  flex;
}
.disaster
{
 width:800px;
 height:
 400px;
 margin-left:
 15px;
 box-shadow:-1px 0 10px
 whitesmoke;align-items: center;
 justify-content:
 center;text-align:
 center;
}
img{
 width:
 250px;
 height:200
 px;
}
.title
{
 text-align:
 center;color:
 chartreuse;
 font-size:
 25px; font-
```

```
        weight: bold;
       }
      p{
        text-align:
        center; color:
        whitesmoke;
        font-size:
        15px;

      }
    </style>
    </head>
    <body>
        <nav class="navbar">
            <label>AI BasedNatural-Disaster-Analysis</label>
            <ul>

                <li><a href="">Home</a></li>
                <li><a href="">Introduction</a></li>
                <li><a href="">Open Web Cam</a></li>
            </ul>

        </nav>
        <div class="Main">
        <div class="container">
        <div class="disaster"><img
```
src="
wgKCgkLDRYPDQwMDRsUFRAWIB0iIiAdHx8kKDQsJCYxJx8fLT0tMTU3Ojo6Iys/RD84Qz
Q5OjcBCgoKDQwNGg8PGjclHyU3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3
Nzc3Nzc3Nzc3Nzc3Nzc3N//AABEIAH8AkwMBIgACEQEDEQH/xAAcAAABBQEBAQAAAAA
AAAAAAAAAFAgMEBgcAAQj/xAA9EAACAQIFAgQEBAUDAgcBAAABAgMEEQAFEiExQVE
GEyJhFHGBkQcyobEVI0LB8FLR4UNiJTM0cpKi8ST/xAAXAQEBAQEAAAAAAAAAAAAAAA
AABAAID/8QAHREBAQADAQADAQAAAAAAAAAAAAECERIhAzFRQf/aAAwDAQACEQM
RAD8A2RLG5YAWF7dsekBgCTbfc4QF8w7gaRucdYSarglBfna+JEsTK122jGyjChsCAbsdy2
PAt2AAFh0vxhxVAO3HviTl1BePrjwyG9v/AMwprFQ3T54YqHOnbg4gWY02Zjf3PTCfzMBca
O3fCI5Q66eAOffCSyl7G2jtbEUhbN6Y7X74Sw0jTGUJ/bDbOo2X79sJMpI0oth3JxJxQjdiD7n
CSgPJGFqjHfc/thd405H0vfAiFRRjtHthzzYzwALdDjrqei//AC/4xE0V7YQV07nb6YfuvVk+jj/fD
bkXte/64kZ8z/Uduhwr4hk/K33w4IdW62J7YbeKzWYEX9sSKFY1v6MdiK2XIWJE0gv0Bx5iQ
yDaKw2ubXxxBCgbgX79MKsNIFrnnCWJYhipA6g4QToIuwU/3x5+ewHGPGluTsSO2wthQNr
WIF8SKlsxCjjEVzqY32UbD3xxIiJNxImkqbEXvhhzrc6ZRsMSNlbDbbHh9I4wpyFvc798QpX1KV

MgVW21HEjrTdLqR+31wgSEsBESzdgP8AfAyqzqCkvHRpHIyj1SykhRgRF4yhlr1gmqYNlJd
1cDRbqBiS0v519Mradrk6tvrbEPMs3hyqkapqp/MjCkgR+q9sZt4k/E2nWRo8jd55GGi5G1+9z
z9MZznmYZlVeSmavO0y6m/mggG55HQ/PDIza26j/EnKZYfOn86hiZtKPOCus87c4N03ivLJo
RKtT5qW1CRWUr9cfMLOzW1MTbi5x7FK0RLRsVPsbb98PMXT6rXM8re3mVcCMVDi9hcd
8cWopxqgYsORJG1/0x80Zj4gqsxy6kpKm7tTl7zs93fUeONgMF/CPjetyFxFJH8XSN/0i+ll7kG
36fri5XT6Cima9oahZAOjYkx1sJAFQ5Ck7X/tjBqz8SMyqK9J6ZfKUH/y5Dfbsbf588Xfw54wO
b1QgaNVfSSSGDI+4vY9DjNxp6jSTAx3jkBU8HbHmBK5poAUPGtulwbfW+PMBWMg2FjuT9sIc
so/MT0xzvoI/wBSm9u4w3UVPlxame225A4wg25N73ve+IvmIm9AYqR6sOCbzh1t8+cR3R
9ijFQDiJz4l/LIkJEibagb3HfDsbak9+uB7OFjBVd+AMLlqDS0h85luB+b2xI5U1VPTjXO4Cg98
ZT438fzCtaDLdCeWSFOxt726n5/bET8RvE84kSjoKpQGD+eFb1A3tb2A49zftigZbSyZhWpC
kckryG2lDuxONSM2i0GY5tnkssVVNU1MQQsyBrD5kgX2vew5tbjE6l8I19bXp/DqSejpiwDVN
VYaB1IBG/sB7Y0zwn4Np8oiFRVLrq2ZXIGyxkcD3t++LaaJWUgxhm2tta1sW/wyMJk8B1dNPJo
q9E6SDySGF2F/wAxAN1HX5YgZp4YrZLVLV3x2sARzBiwkNzfpfbt/wAY3CtoKQs0MkyCVj
qIUsLfMjFWrvDDtKEoq1y4fUoJ0qot+a6i97XO/OM21aYaQysVIIINiD0x6ysrFWBDDkEbjFp8
Q5LUUuYGeRVUofURImp3B6ITq2APTtiXTZf8RWGWSOONqgLpdj6V23tzb5Yr8mhpSgCc
GkyqekpkrhIYpUYFBbcm/Tfoe2DFRlxppI43jHpY+W9rek4frJviNLubsAB8rdv1++Od+a/w8Kg
9/OfW2o3NyeT8/fF2/DJqirzb4FZEVGXUxcXO3AB/tiuV2W31TREXtcoN7784vf4UJSQQSVK
sXqZGCybbRjoL2/3x2mUyx2xrWTTEpWRQpp6RrbXL6SfpbHYZY+o3mjHtqx7jLotUurSCBg
FmMryxtTuANRB97YNVTyLGTEAWvsDwcVrOWLszGORXSzXjYXNjuMQEMuUiFtZvp22xL
nHlwNbcWviHlkytCpi0sHUGwGHa6VvgJ+hANjiJgoBpZz6O2Kb46z80FHLKJEOhSES/Lngn
6/pgzVVDTUccTFrpIA1u1x/vjJPxEzRKvMPg4WV/JkYyMvQ8Bfpv98akFoDl1DV57VxUsDNL
WTSEIDawHLMT0+uNf8BeDhkdTLUCQM59CsQDfuQcA/wryBo6GXM5kZJqi8ULW/6Ztq36
XA/XGlTVHk6Yqa/mvsqqP37DDaJC6ipipCsjg2JsT3wxJnNJMr+XVFDpsLrYX974hNk8Ikaor
5NUpXcyTGyrtwt+MM1eQ0lXH6JpISdkk6Dc8g3v9sZaLqKiCNGeadVCsiTFImcSBjYMQBfn6cY
n1iU8BSEMEmI2YShdV+bcnj2xUKkT5DFLDN58kKxkKkSgqy2NyhHHy3wOr8zkoXy7MR/Mo5l
Ty5QApFiDz8v784ke8YZVPT0TVENFTQ0msLrjlbVLYgLq3F+vc79OoamyPOp5KVYKe
GJq1WaPQVUhbX37Dbp++NbqKimpqamFQzTUzjUkpuxsBqHI7X+2GqcUecSt6pllSP0BZC
oCnkhl2J2v3xi4zaYzVfFU+YS09XG0kkLESeWNQFuTfsMRIkadvKjUs2ojUdgp6/3xsXh7JKT
JlrnVkd5X9bTMCxXtftiF4uzfLPD8Mk6UVPPWSso0aRfe256/bBxDcmT5jRPDTOJNKqotITINt
/sb77DfbA2jzaopZ1khsqKR6RtcAAWuN7bYe8W5t/F8zMqQCKNNSoLern+o98BkJHzx1+PC

Yxxyy3WrZb4xonoYmrKOqacj1mOPUvPQ34x2BGSZ7S0uVU8ElIzPGtmIiJub98dhPrVfF2dx0p
WGKMTlWuypIAyEcdP8+2IuX5xTZtFHUpJ6ZCVOrna/PvjM/HniCeKSSCSGeOqa8ayFio0
d7cNfDX4V5xGJJ8nqZNPnt5lPqfluq/Ww/XBz41MvWvxU8yXIcMqm4sOLcjBBR5iHizjAullSO
RNbaX02JJtqA6H35wVhZGNg4IIujDr7Yy0plVVpBm01MxIdJEQ6tgSwJUf/AFxn9P4Ln8Q1H
xFE2nz5/wApP5FO/wBx+98ab4hoZmrYqqBwgsYnuvN+G+m/3xRvBeamjzCsyqsKmenlZ6di
wBY6gbA8A7fqcajNaBNVfwugpaGmph5ccJEUer0uQBsTbEWpzWelp4o0VjmFebRgWYqo3
ZrdgP7d8Jq66qn9JplCmUlSr6h5R5N+Ob4hVeYUlB4jpFzEJEZI3jimbi5K7fWw+2ApjZBCzq1
Tmxhq99KqoN77k2a++3PPPGFI1fk8bS186T0oPrlRiuge4tsPv7nEaRpjURh6ZZllNmcKC3W
59h/bEzIpRWUc8LaZoI2sjk3LJpG2/Tnn2wpPrI4q+j8lnDRSreM3sR7jodt9ucVKopqWOlbK6k
mKYMzaFWynf8y9jfcjr0wd8PtJHQz0zlZBBO0cT6f6B+W9uliN8DfGGUSV8S1NMBHURFXb
1gD0nc78bdfbAnZZXV2WUNMJY3zinjqFjlmEt3pka4JZWNyL6SLG21umLBleaUVZR/HNA0
KswBSMgKztttta25J69ximz09fDNfK3VK6qg8yONXBScWPocDYjkqenHXE3w/m3x0c+XzwN
RSeV5lXcBdLjqOt1sO21ueRWJJ8Sy00s9OJayCJIrMXlcq5vYKoHc789uO1fzrLUqYTUxMa

mXy2CIYi67qAWAVhvYcg/LpglnKyfxT/+5IZKCW4SWJt9Rtsy229XXscQqLJ6TLKE1NPmMa1D
Fo5IHbaKfm1jupOx+VrYYKzUVUblYTSwxIsjsdANzfgMewthiWEaDIL6QbHa1sTqikq8sqG
klDxybh2OxIPPt+/fETypNbwl1kUMRrBvf3H2xthovh2XIUySjWslgSdY7OrEA3+WPcUZcviA9
VSQeeMdg0Vj/Gynhi8RUr06RpHJT39BJ1HUfV9ePpigUVRLSVMdRTuUmjbUjDocHvH2ZL
mniWqqEDhAQi6wAdhvwB1v74rY5tjWg3nwf4mi8RZeplslags62G5HVfY9un64s+WVRdzTysmp
WOh+NugO/wA8YB4QkmjzFWgeRWT1KEF7sOAf1/bGz0eYJPFHKYjHNa5Cbg+4xzyjeNWiqiS
eF7xh1YeoD8ynuMZR4syiSDNlnkRzKUCMIQS0ukEq6G1ibAXW4Jtt0xrFLUDyUYuLm
w2HOIfiDJqTOaUx1UJYAfnU7oeh24wStVR8qzmeKjkankgrbadMeoIz3sPazC++wvsdsIaYeI
G8jMqKamnW2hJ1C2bsrdTb6Wwuq8O5pl00ppl+MpmA9cjFm53D6iDbfobe2AK1aQVjRywT
RMDoQUySOsiKOCrkgb9QD+uNMrPNkNZKVaorpkp9O6MygkdexA+o64lVeZUuWUEdIiiNZbK
HHo0rfgcbkb9LD7YqlNWlLVU1KtG7EBpag/zWUHgbsbf+63BwQo6eXMq2mqtTyBXGlgdS
RDm4bq3vfriK0ZHDaGtqrtrlnLAXvawAsPthyupEnpagn0ExMpOm7C+3/OJyLHSUwRAViUeq
x6AcH69ffA959mgMmmSdt7EEqNht9dsZINFNUZnFHNZBU0EaoHVQoktbe19r/wCWw/WyU9S
KisqU0vV07pHMovpYqR9+mPFmjp6xqKlsGWFgNCHvv7bm/XA6vr0monSVC8To4AHSy3
46f8YQk5PnuX5tKmR5nTxJUvCyl9fD/wCg7ckHgbjcYqXiwywAep6eqaOJJoZltqcLp1XI3Nha/
uDc4IZdlE8/iTxAadFSWngp5ohKgAR7KVDkdDuDtve+IvjCpXPMxzCaCUq+X+TCFl9G5J9R
vbrsPa22NSes7Bs7YzZcrOxWQQQ/yWFwzG+69tucFqXJxT0dN5kRZ3lIMJbTvax0kcXw3U
U8f8dpIqlVBanilp2XZSetubjm3yxbvgPiUkXUYyHDWvYr8rYLVIzLM4546+dZ1KyBtwDxjsalLk
FPNIZdbevf85x2Do6Z7lPhhvEUtXmTTqQzO4jYXuxJIBIO/O+wwLrcnq6CZo2po1SIhiV325B
vzbp9DhvIqnNaOr/8MmkSRzYqovf6Y1n+HTeIcgIZxTZnp9M2m2luxGN26YkioeBqJo5xmcZh
aF9nCi9xfZvbc4vTQT0yxzUYikike/lk2AJ39B6X7Hg4pgy+s8P5jFJXRNTipcRuscumPXfdw2w
UnY9QeMWiNsxoqueZJoKqkYDTHcq7b/1dL9AdsZvrcWijlaZADYJbjtgjCZktpYuF79MVekzF
pnJeKSAk6WBZSyntcEg9O2CMcqgD1tIBwzP+XGdNDLl3a7QAf9zGzfTbAzMMqy2quaqmD
G9zci5+ducSIqhwbSysE4DSNcnDzSR2tJUQMvQ7E4EBDI8qjlWSGkSadd0LqXZfYX4wXp4
vJQMxJkYCxboO3th4SxgARuCP+0ADEKqrIotbl0d7dG2A/wAtiRusKhHj3AOlmI/bFTrq7TB5s0J
Spq4wRToLbF1W/tsb/XBurrxpaVpEMf8AUzXOnva3OK1WPHTztmlVIjTwySR08en0EcK99
xpI0n57dNtSCotRPLDW1ctW0kTJSvVrGhW1OC+kL36L0B747KJP4nlMsRmihdojpdxYISLaj
bkDj6YrT1MU1ATV21yQsCEOnUTLfU9va5F+dsT8jzWGKwqELhi1LLY3OlwBqHUnrwb43rx
nYuGam8b5fUZfVsaSso44mkC3EpjFxf6gfe2Kf4inNVMkb+qaEyvU+UpBJ12HIFzvb/Di4RrFP
lEMsckNTVwnzdUyh1QsdyBsNjx2t7YqGZrVQ5islYWpviVMZnIuwJO5I547fLrigpFZWJLHSA
zNM9JQoIZYx+T1MbG43ILAXtjWsidKrL4KoaNM0asWU33I36m2MNhLU0tRDEBL5lowQpu
29xYc72G2Nq8FZbLlmXLSs4MWpitx6gLjr9/0xnI4jqWRQpG4x7ietKrKG9Jv3XHuObbAMpmj
oq6OVtQIbkf0+9sa9k2ZwsyqxRybWdDz74rFT4a/itQWgSIi95D+Ujf5dx9vtiTQZPPljSeiASp6
VCsbd9zbnHW2ViSxfZYaaup2jljjmiYEMkihgfocAKnwhSmXXR1NRSixUxAh0K/6QDwPYYkZ
PUgKVLN6QLav8+eDCSCQbX9sY+m1JrcuzGmMiVRkqqfdkmESysvsRcMelrfpgfT1JYiKiq6

eU7Dy3GhifdSBY/U4vdTdLhdmbYfPAesp6TMKgQ1tLHIGW6sV9Q9w178Dvh2LAgmrcFJ
oBA5Iu6IbEDje4H64dEtaJCiai4ABUIurdrDbpfDceWPBmrU9BmdTElgfLJLbb7C/uOuCT5d
VeeqST1GoqslllFvSRe/zvaw74hA56ySZqZT5kcctRZfKk/mSW5J7KACTwNuuHYc8y+rWd
mAWnh
GgubFiTsLdbki22G8yo6ry2gWv8iCNVXyI4wQ5b+km2wsOm2Gj8H4WiiqZYjJUyqfJgB9C
bX
Nzb5fp9EieYvT0VKa6tMUFKia4lI3Vr7E35NrWHc8bYoPiCqjly+jgy6PRK7oszFt5gm6697b
a2
56H2xP8UyztFeokLVMhBUb2vfjt1/TFZljAKRsbzEkSBbnU7flsTxzb6YZGbSc7FLTVNaYS

r/E
sGjjjQhI1W+q19+dh7Anrj3KaX/1FTNUBY1pyywofW5Itb2/XERFcJWSpUBDD/JFwdTMw
N1
BHQgN/nLtHeqrRDLEmmql84xqxVFAVibAcWAJt10gcHGgPxs8AoDUjRpRVkph6CQD/AF
bc
Em9utuTzgNXsauaCLW08vrdtPpvawuT02B72w7mlVGaJEapd44xCdY1AoVFitu3q25457
dS
0VPUZxWv5E/wuXRTPIDKAwIBK35223tfAgII46TMInmS1Mrx+ZuG9z+xxvmUkSKjLpdCt
0d
WuCMfPUlQs1K+tP5hkTSRsFAUg/uMbR+Fuax13h+npixM8C6Tqudr2Bv8A5xjORx+13S
RVULuLdN8e4UIxbfHY5uj/2Q=="><div class="title">Cyclone<P>Cyclones are caused by atmospheric disturbances around a low-pressure area distinguished by swift and often destructive air circulation. Cyclones are usually accompanied by violent storms and bad weather.</P></div></div>

<div class="disaster"><img
src="
wgKCgkLDRYPDQwMDRsUFRAWIB0iIiAdHx8kKDQsJCYxJx8fLT0tMTU3Ojo6Iys/RD84Qz
Q5OjcBCgoKDQwNGg8PGjclHyU3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nz
c3Nzc3Nzc3Nzc3Nzc3N//AABEIAHsAvAMBIgACEQEDEQH/xAAbAAACAwEBAQAAAAAAAAA
AAAAEBQIDBgEAB//EADgQAAIBAwIEAwYGAQMFAQAAAAECAwAEERIhBRMxQSJ
RYQYycYGRoRQjQrHR8MEV4fEzUmJywiT/xAAZAQADAQEBAAAAAAAAAAAAAAAAAAABAgM
EAAX/xAAlEQACAgICAgEEAwAAAAAAAAAAAAQIRAyEEEjFBURMUImEygeH/2gAMAwEA
AhEDEQA/AM3c2xI1oT6hhuPn3qmIYRnUK23eu3NzJKpaU+I7eE9MVSCqxkg5OOnTFCNp
UyYWtw6KQwDalAB6YFF2g52h/wBXTOKDtoGkGTvtkg9qOhJiVSu2+1UoGhwV0yaGbxKo
Ax8KEJZGZdjk7+lFFmeIysp1gDOOnpQQDNMT2JBp4u0GcaevAQJUWYZGTk7nvTXhbs5V
ApxjI9KXi3ZpJAepJwaMtYzy0QdX3OnbbehPeiaGk6rM6wtMsiCM5SPIOcdT86GM7WkZWX
Jk3khCHxOfIj50dYwxRAJEpDFgdXp8K5LCVVrgJmVY2C+fTONvUCl66CJLSZZY76F7hFbl
PLyyG040nZfMk4OfU+dFeyZb8BbNIpBMIYrq8m64+/zrs/DY14YLiLEDCMq+FGZidjnoSN89
aH9mI50sYTbkyaY9I/JLadz1xjIH81NPq6GPolnJK8fTc96WcsRe18j8vVIbCIOR2/Mk0/8A1Rn
DOIRx8NiIu43jJGHUMOuSOnzApDDxG2g9q+Iz97pV/GdvLHXPrWeurjEhYdzJaRo4NL4PiwCR2o6WBYSo
sUKyJINLRjr0JxQtkNZZm86tDGCSm7HHNH5vuP4bCskQ7pvaX9SCFQJW4wEScdjWmlWToGBSo
UKyJINLRjr0JxQtkNZZm86NmgiSAJGhWLSWOs75pTHdBG8I2zsajxsne2a+ZDolEbB/f0np
0NMLR0dUbBA07jzOTv8AtSmNw6OGGCW7UxjOkRgHHh6fM1rPPoe2si6lOOpAqnm63Gr
YKc7fA1RbSmMAnsc11SJNOkgLqG+fWici+Rw9szSDUAjYX60J7E3XK4VZvKza2BID+WTv
869cyJyGUgElGAH1pJ7N3bSWFiBGYJ7N3bSWFiBGY1VNIB7Yqb20MfQ7m4EikDYem1ZeHNv7TXS69SNZ
KyAruv5jZAPPluPrR/wCKGgZPas7xy5ltOK2N2h1q0sM5ClcHBobR6rUgzYgNYI05iK2CeYlJJa6Dq8HhlA0JOEYOTR0sdMU2NJqoK9
SahbyG4hYDJznJrJr08WV22vzbhgfrBMEPoR+dqiB75rSzyiKQozYYpIrK3lz+IK46
Dr61zOJSMeYqyE6dS6m7bjahZ4szbkhhko2cA0UzI842xHqQkg9P7vU/aa0ezRJUbmI7NuP

Q5qDkk0iqg3FsHES6kLEJkDX2+NURcuGK7igcvqRQ0e2FwwOf750y4nazRLHJPp0EAq3fGNq
XSaxaHlFUGGVyy7sNulKmpbR0ouDpi+UnlDTvjfAFX2PEDbwlJELEtnpmhW2TSrEBhg/C

r7SYRRaAqSYPvFwtMxYmhtLQs8Wc+/npsN60lvCFgAGdRycY+FDWCGURl/Cc9BTW3t8K
P5q1UchdPrXwyNoHbO4NLrOV/8AUVGkSFXwABtg1pb6zWWLS/X0pR+GW3KhFLSBsL61
DPuDNGBVkQXxW3d7aV2O2xG2NWaQpENQySNZ0n0p5xFJpY1hck8v3l9cbUCYirxO+dW
e/oKycKT67NvPim7LUQ8tWA/Vt8KYY0wq4zqYZ6nzI/xQInGhNQ3OdODVsMxbljK5AOcdvE
a9FM8loOilMsqKxwCRk0TM/LQhfdVhkee9DHSEBG5G9RuX/MmXplzt86exSybxBCGwdxqP
aspZXL2vDMI+6OVBA6b9/OtJNNoRSAQdTYH0rPcGeB7SZJlDLzSCPKkbp2Evj9o3i0AjWe
4Oc1RPxNuIT2pYDP4hRsdhnK4+9D3vDORKkay5WQ5jbuRVktk1tw+R4jmSLEqA/qKnVj7U
PKs419qmIiM9BXWOEI7mquHyrPbc1Ts0auB8cfzU9Weho2GhXOoe5CFc5Vh9qy3F7JLbP
KyfiftWxnUxyAseuf2rPSuOaxkTXnIZW7Z/5rn4OF1navcRySMylFCkqw97qMUbxy5F5CqMBr
WYqAvurkDf16GqLbOTZ8wQwk6nc9dPkKuvLeIcGdoZGSWOcMW26Y+9YJusqv5PRhG8D
6/2M/aOa5S3V7lSWkUKCAAo23GMday+mOe2V2ID+JUGc7VvOJ8CfjnAeGiy/NuGUN2CnK
52rDXHDJLO4lgIjN1A2liGyqj08z1o8VpwJ8vc18UIJHYDem1pwyG4i1toUg4wZAKVzKT72M
HtV8vEgkrhUGknIygNaGZUj6JwtXlKO4wAafRKNIwBisdwbihYJGdiT5+taexlLooHY71RvQYx
CZ0PMI60C1szzBVUnLDFMJQzePHWuW8nLmRTnxHFQytuDo14a+omzt/GLiNpIywMa6W
VhjJ8we9Ib8hVty2cjVnv0FPpYsRShhIxjI09wAfWlPE7T8u21qF1cwnfyFZOPHpqzZyX2jYge
WQxRhCcFj67bUfZYSNNOnJHaloVwkY0kbnGaIj182NVO2+47b16SPHaHts3iGo9fOu3jl+Y
VAPr50OhA05byopjzYmVfd61QmyuOB5wmc7E/DtWbtExz0aMriZlbI64Pati8ixRgasbdqynA4
2uLJrpy0hMpYevQ/zQ9nAPEZhbpEisomDErtuAf6ftXLbiU1wpikGS3hBzirPaFA8sTqN1GDSq
2YwzoNO2ep7ZpfBxsvZKZzwgRt70eq3O/wD2n/amqoVBLHYUl9n25M3EYnYZ1rLt6qP4pm
03MUBTQQ5XcBnbJOR5Gkl9HgY6t3NaAFQoBwWJ2rLcaM4nRtJHme1dYaFN7cSW84aM4
I6eR9Md6MM7f6e/4hlXmKCAoz3oCc/i5o1kfSCwUHGfMZppxCyC27KfEIwCGAxpPl8DisOa
SU4pm7jwk8Umja+zUskvs1a8ps6EOh9WNLb7/KsDfxst3cw3UzGczvqZcEHcHOr+9a2nsPd
SN7IssseuVJWQqcZAzWd9q0j5iLDCugzuTqUnGetZuPkUc0sf7ZbPDvgU/hGLukaOYrlfe2IOaKi
sg6BluYR6YoS7ZfxUiDs+wq1Ypsbq+f8A1r0jzB3wphGkecq+TkHtv0+1brhGpY9Ug07+dY
WyeCaVYnlVGMmzsDjGdz61r24zBa2wtbaMXVwBl21YX61nyZWmoo24McOrlI1lnEJYiX8IH
QedCyRjnAqcEHZjWei9pbwWzc6wjCYypWffPqMbClsXG+KXN2/ISKYKBq5UgOx3ppT1oW
LUZbN7a8sMQ+GJOM5z8qWcWhjjRSNOAXH1GKxiXdzYgKxSORAeY6plk9Tjr50Fc8Su3cn
nmVUbdgSM/Wo47TsObkdo0ka6+tI5JcKgOOh8qois1TJZeg60m4dxqWJdEpz2BJ600bi8V1
FlZxHJgE4648q3wnrZhk7ZTJcxw3LRTsIxrHL1HGoHGPvmibG+huIz+HbJwcg9RSfjktnxCMw
sy8xDkEt3oSwvbOwj5PN1FssxUZ38jR7imj4hfJFAy5LS6NsdOlLuB3tvYcKjilmVWDai0g7Eb
Y8+lLL2eGeKVlZSeoOM59PWh7MWCWyy3QDs+CY+mkA/Tfbt51KeVrY6oaXFr+Idn5qCPO
oH0qFnFDGdBYSKxA0YGxHf9qFnvLGVJVSGNAXzECwJHz60Nwy/UM5BcYyATk57+fpU4
5JzdnLrQ/lj5ftFBHEcRz24zv3U4++RTmCNo4tTggZ29ayd1xAQy2V2ZFe4XWhjB7MNvuKjc8
anlQHUYx/2g/etCTa0dpeRh7QC5d3NudWn3CHwBStL/iJcC7RJ8nDCTDah5E0tn4nMNWl2
OMdd65b8Q1/lzEquD4lFB6Gi02aye34ZPDG1twficUiuC6qOaox7wBG/Xz86Fm41ZzW15bP
FIkzLojyvQ9sj5U29nuJSrbs9vNyJXwplUg4OANWD8KjxVbm6sL+abibzRiAzEiJAHO+3TY4X
O32rzZzTn+cT0oxlCD6S0xZ7F8Yj4TNLHesY4ZxzYwULb6irYx8Kv9t+IWZkt57KWJ4CWSQ
oMANjb54FZ+3a2kvYI7uU20C2+HlUKSfzCwx5fvQfEb6wM5hshNNArl1ebAJO2dvLaueCP3
X1F/hNZV9t1bF97bySf/qZSqSk6G7PjGcfUVeRNsWdiTvkE/4rl3xKb8MkIRVi1mQ46FiAB9h96r5
00YAQkLgHda3q/ZiklSo2y8FtG4g9vb3DrLGPCrJkvkZODS/8E9rkssyKXJwRqOcdcee/ald
rezRSAyzSYVwULlhp69D2znrT5I+KPa3BsuKW91bSRtrJmHNj2Gep9R96g8TXsdTB0vIZbR
7fVPMmSHTGMAeeOnwqXCeIzq8jLyVKLpwqduwJ3/uKFsbSO1Ekt7eQKtvjlVslsbk+p6+f1rPTX

v5zzxaocsRpXy/v0pY41J0hXM3Ny/DtAkVBEcHDaseLoRms9NLBIxfLHPRAoGr1JpTahrqMyyP
hQ2+T71G85EjRc5QHAZsZ6/Wn+lHH4YqkziQADXKSr4GBr1fOrrZoo5A7nUf05O3770
LcyKrYaXUvmOtDJmIgsxfum+M/70yXbTOY0n0TbiYxZ64g6eeGJqh3sVVYWnkc9MiIZ+uftV
MN5IsOnlqoJOTp3+dRkkQlNar5gacfWqdQaGIjtXQokqg5yGcH6bVdDZJOPA9qmOgMuD/v
WbmmaOZjGhCg4OeleSe4Q6tIJJG3nmoyxsFI1Q4JHOFdOI2WWOChlBwf78aglnNbnlpMrk
HGY84+W1L7V2Cvy1Lso1aAfr8qbRGKXpHIxyAEJ2jGAScjrjpSNuPsOhVLDMs2p4ZWKsNi

vbrRF/avy4yoXQ+lcHrv29Ov70zWNbfQ6MElyuGYnKny3+Fckura5EazN+IZCVBxjfO+3nvT/cSA
0LYuEseXGW8bncnz6Db44p1aey8rWwexeIzFSS7j3Rnt8gfrS27mWO4kWKKRAAGAx7p
PceXf60dD7QfhlVCwcgFSzjIwfsfn02qTyZPQEiNvwmWzVjdXAEkYC6ZTgkY6b9xkUuvJ3R
WWKY6SDsGOwNdu+LtetNLdG4IBGlpDjG3alcsmtsCRyf8Ay270ylJ/yCpyjqyibJO5Jz61SFU
E6wxxuQaNnDxxIzqGU/qNTe3RocmQAlfl9e1WUw+VYLfCN5I8IIYn2ORn51Bh00yHpgg0RO
git8LEwwclicnp+3Wh4bqONNLRk4OxHlVH5BfoEa95QK7uT1OcAUxsp4/wDFlxcklTpByR2H
+aRtE2nfoCM0fKj28mEyJhKwLf+WdsUZKxkzrDVcGFzgg9D1Wu8mPYqsj6z4eylvSrZzpbBk
XU/iZyM/34VFYjNDkTgxhj4NtS7Z+m32pJOgHXSZNKsDDyzjSf461aAwAGzZ7kdK4trMyKG
QFRnSGP2zXl5cbaHJI7Df7fel0ElLB+JQOkb5DYYbYom3snjh/NiMkednDe4fP0rkXEbZMaE
Merw5U5I8v7mqJeJsk0yaXKlsBdZ+RzudtvpSycn4Dot4raJFYG4iJDBgGTVnalKXJYrzN9Oa
d2yQ3FlKkjePT4VzsSMYrNsrR+/swOCD1FPC6pisMaMtJ4mPLO+B0zRtlYXF3GZBF+Uq6h
qJGvBxgYHpj0pfDL+UVJ67Zpvaz3Jt41knAi3Eak6SMYHx6HrRm2loA8gt7WCKWNg/I/S7Nk
spHcCpS8SiijxCsfLwWYLgYb1/vekNzxEpALUMWI8XhQeH/NAtKG8TBg2NJ8RO9ZlicnbFH
L8R5g5q4EfvEdNJ+nrVMs3IYNBEJEbxDHiAJ3yRShbkhgkupQQRjudqPsTNNqMQ1HBLDS
MA7n64+tUUKGSZFrqVneWRiGJIGts4/u/wBauljQMszD8s9Cu+CR32qYGcwroklc5DKd127
dj1x/xVNvK0NwTKuku36sjv8AUdKL/QWifLtZrd1e49watxt16+veizw+4mtENph416nAB6b4z5
YO1WDgrTPy4uXytB1KrjBO4HUeeNv5ptarI8eLqczSbZVm3GMY6bdalKSSOpC9bBIrFPxCgM
NmBGcHBx07VybghubONrBl5mTqz+keee4/mmbtEgVnJIyclx4dtsYPXbag73isEjCOJViTJ2
TG47ev9+NJ2l6DSFsnDJeSyc4SNGMAAgLt0379c/Kh5LG4gbQ0ir3Axnb41O7us4RmUZ6a
T9sUEbg571eLmxaBm5SW+kxrIAMdSAT6jvUrx2EzTaiWfSemwJUUOjNrwWJBPQnPer7liG
Rv1LGuDirDFSxyP4SCztuD+3yo2C6whiA5bk42XHwqEzvHboUdl8Y6H1oSXJZ8knA2yaV/k
cF3khU8gyAsjZV0Ow/32pfJjSdMuSDttkVc3/ST1P8ANDOAoYjYjNGKASgjZ5kjI3Y9SKassdvbx
5KswfL4Gd84I3qjhgA5cmAXUNgneqXdjJKM7AZAAwAaSW5UGh5wRVu35aqV8DM2VyB
/TUuMcKGtrgBBbsNwu7A9Nh6/4r3BHZbDKsQSG3HXtR88z3HDnExDfmYzgA7dN6j2alo
5o
yv+nThQSpCdV8yPOiLmxZPE7JKijIQHrnp/fSi7lmDBQzafEMZ+NL52KRAKSAeu9WtsUr
BZ
Y3RgpJAO2+KgOYwI6L8sj41RI7IQFYgE0RcbS5Hw+VUS0Gi+Fg0kSxKso/VsTkd8elE2
81x
FIojM0Qzhsp9vjQcLFBqQ4JVulHwk/mEnJ1jc79jSSdHXQbGVQ6kRVDjIBAz1Oc7+YoV7
oF
w7NrJbJA36/wB+1Qv5H/D2zZ3kB1eu9VJChv5FwQu2wJFTr2cNLriKxRKIJsyNkHA3/wC
Dv
Qsd/cMQULDD6tLDO2xxntV1hbxNdOGTIWQYyem9FcWVTApKjJXJ2odY3Q1FXE+IRSB
A8
519QqnIZiPXp8qEtNN3dFnjBKADOeoO3XpQLIuqMaR4gc+u9NOBHXDMjgMom2yOmA
aM
koqxZBFpwZYZZGviI0hlRdBXHMBJ8Rz0Gw3PrRcFpw+JCj29m/iJDSyFGIJ8lyMUTw2a

V7zxyM2pTnJznANAX8rWbxR24VVMSsQUB3PxqTmwJH//2Q=="><div
class="title">Wildfire<P>Wildfires occur when vegetated areas are set alight and are particularly common duringhot and dry periods. They can occur in forests,grasslands, brush and deserts, and with sufficient wind can rapidlyspread.</P></div></div>

<div class="disaster"><img
src="
FRUYGBcZGiAaGhoaGiAjIx0eGiIeHh0aICMgIywkIyApIh0dJTYkKS0yMzMzICI4PjgyPSwyM
y8BCwsLDw4PHhISHjoqIyoyMjIyMjI3MjQ0NDIyMjIyMjIyMjIyMjQyMjIyMjIyMjIyMjIyMjIyMjIy
MjIyMv/AABEIALcBEwMBIgACEQEDEQH/xAAcAAACAgMBAQAAAAAAAAAAAAAAAEBQM
GAAECBwj/xABAEAACAQIEBAQDBgQGAQMFAAABAhEDIQAEEjEFQVFhEyJxgTKRoQZ
CscHR8CNSYuEUFTNykvGCQ6LiFlNzwtL/xAAYAQEBAQEBAAAAAAAAAAAAAAAAABAgAD
BP/EACMRAAICAgMAAwEBAQEAAAAAAAABAhESITFBUQMTYSKBcRT/2gAMAwEAAhE
DEQA/AKOFXUpCiZ2BJm8WnDPMxoIUnkPkDb8sL+FOQw3KgyBhrn6MBoUgGGB9Y/XDl
UqPO+aE+YWFA7z+/ljhKewiTYAYlrIZjpbE+WpwQSLCD8r4votAeXTW8bCR9P16+mD8mzV
KmlVuDMTyWJvGNZbLy0wbnfmJ74suQoBGJCrquQwG4IHQdb4iToqCtiitRqEkMpI6atgZnEu
TePKFMm1+2GGZqHUTsIH0wNliDLAzB3/AYU65CddAmYSnJDCSTzE+3bEuWyihwQDcAg
wfljrOVEVja+5/DfGsvmyLAEHlz9v31xMppcEqJZclmGpMJLQYEW/CcNamaDLYNHoD+ePP
KnEahY6pMQDf+2HVPjasoSCHO0c/ffcG2D7BquAvMvqJhWtv5P0wk4mjSCEbSAZBQgEnb
Ft+zdFaoY6WmfN5oI7RvfDHM8Gp1ZAWoI5lpB9pw59nTFPg8m8Fhc/xJGONYU3op7
hh+e2PUn+z+WpAE3JNwb+gEzF8TPwehzoKwvYBS3tAA67432egvjkeR1HvIUAiO/IYmDNZ
oEjt05jHqmRylELpXL/LINUapUH5wLG+8YOqZZPPj+ZPLvXhFqGpFLzQVF2g2MdDyBxJn/ALLmiW
pioCEQu2weBsAmq4uLyN9sX2plFyqKFqU6dNVgKbEi9hPME7zirisalaqFqOzqCHCrU0ByC
bGC5GwAgeYmJAjFJ0dMUedVkhiHYhhY2PLbftjMWfJ8cZUCtTERrK+ZQTYKCf4fTGYaiTSK/lE8
zIdwbm82ta2HK5dgsEmDFjy02G/thVlmmpqPT19Pzti0+HIBxVb2cnyJlUknE65WB/th2p
5B2vGCsvw5jAJHS0NTMTZbKG45AjJHS0NMTZbKG45H9jDVWKKO1r4a0dJdgWeAWgB/aG
mU+nxF6g8lPyP4wiDxIhTIXIn0/CSYb0i2Ie0t/v6/uwtHkJ9vLyxcBd0nYg9E7ZBHaGFZSXX
KB/4zVkZg+PRIJvNW5ZeWgDYnKlmvIBeE3tREaZxiAiAvZEJ3Kbx3SGVRxFdM3gcIjHdOxEm7g
2iCAZMwTv2mPStZmjU1Clp0mfDNo3OmDPXDZ81UqA0nIYrKMSq4Vg5BjmMLaDArUhALvI40
8OVa4gi/r3EYMaFSaPVa1MbIgMX1GD+uFeYz7r5ACTaFuWI+5X40lNVDcv8bGFtAYrT

eswN8HVsrqMsx35fhgbM5fWPhEAGA23qe2IxaOmVgWcyoqyGqAobwo362i4tvjrI0qKaWDe
TkdQif8AaBywqd9MsKhLFrnkAuwHa+N0cq1WCvIEbRA/f44m30Viuyw/4ylrJEExckAC+w77
YFo5osTFNfDBtAsTa8bDrOOqPDVpoTUgnoNvlz7zhLVz5d/CRPKTyt8z9ZwttBFJjlc1TLkwi7y2g
SQOY7HriNNFQ6acre50i49rDf12xxk+FokhpnnGwUbCWwwDqtlAgbDe/Xfod8O+za6MXI
U40lGJ6wfx29sar8Lpjdmk/DAFrGeXPGv8yLNpVZtJJFunLHWZ1tTbU8h1KnTNpm6xeR1nF
J+EtHm/2o+0Fdy1GlTZFVQzM5833SOmkmR5Re+Ev2UGZq1HCqxBTzsdQNyonV1uLEib9
MMvtFwU0aq1FchU0hnJOosdRNTrAA3HMjvi95PiNBVfMUpK6BqOymAZ36/iMFKznW9lW+
yXBlTMipVs5LIFMkBpYSGM6tiJHMgc8XTiHCaVQAVEBCksJAuTvJO0wMVYcfbPOKVFRd/ED
z5abpBV5CyDYMBBBMzvibjf2iroNFQpSdL6Gv43VqbAAaRB7ibgYdKOjKkiDi+c4eoemsp
UJIKBNStc+QgWuCQATYRtbFVy3EajeaSfDEU9ckEo2teW8ASOd7icNcxxKnmaDaVKvqLlk
WV1bSzXAkx5p6zsML+GVKdB2ZrlkiNWzEFX3Fz8JnvvGJ6JYTn+K6EFSsniuSwDNUmxM
ggKTyEbg27ThYnEECF/D0yUfUjsrIFEBlWfMSLlpie9sQcVdqkAUwKQ+IAsZY+b17jlfC+kZAV
g0JYkKAxWSYJi4G9/njRpEt7Hecq5Z3LLki4MQ17wAJsR0xmEdTh9RyWVjBuJVv8A+D+Jx
mHNemzDctS+uL7wDKtUphniJgmR9Z/ZxtOB0mALUyhWSNIkHsbT9eeH3D0SkdICFm35M
exETPP546y/DRW7JKPDEZYjSR9cF5fIBTzNrbW/XHOWqaah1LPIArBF9sEFEBsrL3JsO0f2
wItkS5akSQPinacAcazFOkhDsUBFnGkkHkAGG5uMMNab6lJ5wbj88UP7W0teYI8QleWr7p
P3QIvjGYq4P4ZqDU9UlmOqWAWLRO5MyZ6DFz4atHMSxKrpaNCQJibzHiGx5QLxgL7O8H
pMxLMH0i1o+E3m8mZ98WlDTo09R3ILAC5P9tt4wgis57K0gjNTpVEMErUCmxFhJ5reIM9xgXI
O7VBUzAGgAsHKVAp2HmYWQ2m1pPpi1JReoyPWKKq3VA2/d+pEAiMcZuq6M1OmoiJ1
AgnzTtyi/PvE4yM0VritBGptUAhGJKjUxIO2oFrsrWk8pHfC7JZalUqIrnwlCk1GaYY8hY+Uekf
XBXGgyTSBYLZgrMCBN4Fu/KBjOHUaelTUIi/vBG49Cf3OGiOwh+H0xTDKqvqaNKgAghRF
oj25zjmtwOkKY0lwwmQyxHUDaQD3OLBkKmWprPlBmFMBveb9cTHiNJ9UsvlnysI6DYjqNh

2w7Koq2SyDeUEwl795v35YunCsmUQS+r+WBFuU3vhbl6NEVRol0O9jY/nfFlogGYFsD
QxV
A9am3XAOcfWpUbkRhxUQEXwC7Uafnc6RtJxLRaYoyHBtmbYE788MaDsCdIAQbnqe2
OU43lqhCq1j227ntg2vSAWxAET/AHjngxRsrIsy5I7dYnAwyIB1aVHoN8S5XNUwIQM0wC
bDfbc4ZagLQ3Tb64KQ20J3pVasALC98DZnKVE+7I7Ys4IxFVphrHDijZMrCCwUTq5xeT
8sNKFN0
TzxJ2Ebf3wQaFNPvqCec746XKE3LkjlgSFyKzxHLLWqBXQMtNvIASZtBL9jqIjsMMqGWpp5
V0qu7AKLkxufY/Ptg+lkqQYnV5j1ie+FX2p45SyazALNIAMgTHUW+uGqBsKyOSy9ME06aAy
fhgzuYt6kxjiqlKpJ0rUBOkqyyJsYg2O/LHmLfaCvr8UaFOxHm8uynnq59ZB+kWS+2Femwpq
S68zNyeXLcSeX6CF8iZy+xFz439nkUM2X05dtBFQgWqLEhSp8pg87ETYi4PnTgoNIXbnIib
ARqEiyzfHoXCeO0cxQVarjxIJabDymdN+R99ze2KP9p3mu8aQoMjYiNljtEXwSkvQlNVoEy+a
8NY0ksv3ZiLBSLdB++eOmWFV5amCY0i922Jvbc79sLFzMEq9xMiRuDusb2PftgrK1RU1LT
EbbReBf4jv35e2OUtb6Ob9NVcyQT5//AHYzE3gVRYR76P1xmGzWet1HhiFqENB0sCT6DS
RpxMtYu5Hl1hZIHI7A2B39bTzmcAZdm0yp3mJv1FoiMTIr2UoSAN9XLlYmf32x30j1Bi1QfKQA+
zCTc+6z2GIcz4VgwAlQQIYm8xI0j6xiDLTT2tBkyymTyMEG464LquKgks4Mb6z67XGMrNp
GZbJI6A2EiRK236AzHvjrM8IpFgStMn0v+P774EDhY035+YiJ6Tp/HBiNqAYhY56yCAd4nGT
M0CVcnlKQ8QmmDEnzHb0n99MFpl6DojSg1WU6jpYiZAv2Nv0wn4xw6nW8PxKqIJBVFKh
SflPzOOeC8Mpq2hXqDQ/iKHUadQkWj/cZGxxslfJsX4Ply9Gn5jYXHxEhY3E6iJxH49JjCsI2J
M9rd/74ytwyrUgtmGA3ASFHva+Ox4lIaFmq3MkID2J2H0wsyNJlKUGUpkEzJC22ne5GB8xlKJ8
yUUkHzXAt6Bom2DWy5KyXqLH3V0fmv7jEFPh6oGaaisedRjpjoIgCfnbBddmr8Jsp4arKoo
07QN7zeN7RgLi9UVEDU0LupDAaBMjaSFnf93xvTNNnpUkY6jMVDHqw3v09L44NesRpZCi
n+QD5A395ODIrGxE+c4lPwOCf5VUR8vhxdeFZmo9NDUQh9IDgxuBuOoOAstULEk+TSbk6Nv

8Ax1WtzOJaPEqdRitKopIF2ZWg9gRAnthc20ThTOs/XqxKQsiCdPmHsbDbAaZdnBp1Vao
m4JvJ5QRifNVisszEiNlCqO9zcdd8E5TMU3W2liJUgMCfSTF8SnsprQJQ4dTUeWmiDlIJPpM
gD54NWnUJBZF1G2obwJiDf5Y1WzQQmXQ6vgDwCCOjcxPacQnMIqa6gK//AIn1D1FhvHT
pirXZNG84qkf6ZLzNl1X9ZA+eORrZtRBpsBYzbbmDYWGIcx9oKdJSxNS9gnl8vQ4jo/aJahKi
mRIgagCfUiLxftjNxFKXgavEio80MTMMhF94jlP64FzGbdidPizEiSIBPot8GGodEalFtoCn5aT
8sD0kOrVUqiDK2d5vyINiflGHVcm/wkymYHllEaRYj4SRueY354jp8Rqh2lQaewCctzy5/TBi+HTu
LiSbg3PMz19BfAVcq0/wwAYMKWGoDnfSee2NWuTf4DtxCnDVDQK33mBcwCbQL48143
mmas7u4IEEwpCg2BI7zYncwNsegfabNBss4qAUlHwkatQI+ECwt78seRZ/OMzEqq+YtIGwJ
uT2v+GOU74s5TdhVWrrGoCYkGGgsBG/aMCqq/E1MFTsdUwNpX+84hXLVAFLGxtIM9f+s
GeIWARpWYImnJEGx39DPLHJUtI4WuDio50DS4YbQSQdwd95x3RyrFfEqSKcAiPNMm4Pa
BE4PTK06Ymxcbbj8DYSDyxwMySXmGBBPsfp1H64Mr4QXfAmzZ8Qt4aCSRpgAADmAOX
rJ9cRuvhlVutTTB0ncxA2523wfWWnVMU1ClWudQGqN4HXv2HpiNKWgtUXVqggFuffeI/tbH
VSTKySOP8AERZluLG/9sZiOpmtRJNMknf9zjMan4Tf4e1VqLAspDgC4IIMgbrHL92wVlnSRo
QyR5iYAG99/wAMA5jNvHmJtJNlMXEWQT/1jjNcYp09Phhm5MPrN17Y6ZJbPdi2McwVA1F
Qqj+Ugm3OTbqMRO2rz+ZdjMASBe8bevbAT8U8gYUzLXEqNxFo07jf54S1c9XLJU8Q6QR
MWubEERsPlglPxGjD0smWZZOustSRIVRGk7za/MHn2xqtlNasrldJiLsGtF5G/KxGFPCuMtU
ciojEbqQDI/4co5Xn1w7oOrh1n+IkKwuFYmD5WO8C22CM75GUaB00K+nw6rDTOsqAI6Sd/
fbE2Yy6VDqZ3VdoUr23EW98cFHMh0qreFFMmLbTy+pGA1p0HMOS1RT8MwTBiWv6d/XG
cjJB6ZFQfK2pSNmaCesad/XfEtPLEHSlLSBa7NEdrgculut8BVctWg0zSQEglYJa/Igtztt9MBZ
epmVImSdmVrg3jY7mBzw2+kavWM6vFqiuqkIBfeVkDeDzPpjrMZlWBYlE2BDDciZ5E4Xla71
FI0KB/wCkwHP717jB5ZtXhuUepF9SEd/iUAQOhA/LA5ejiuiVStOTTWkGMBSskQec6ec8+u
Ohli5GoSoO4e3XYARfqJxHlmqspQnSQZmmR8on6CMBpTJZinisQIMgAT3kk23vbG2YLznCqm
geCUpkc9ILQOQYjY+gxzTpVVptrKuYloEE78hb074ipZx1kMAtgCQQRM3nUQTcchOCK2
aBv4Q1/wA3L5xcT1PXFBsCSgaQj/DEUzclWUlY5xyPKcbyfB6NSXfWi8yxSJFzJ+LE1PMhp
VDSVis+VlMmSTIF7YGr53Rpo+IrVGtpaY5dJt63tja5DZPmdKsVpq7rYz5TEbaZMx3547oUS
slgR/KCUB37sbHt3xG1OCPE8OnfykuYnaIMH2mPzky7sAQulxfzowib3OqQp9cCqzO6GSQ
AAyljFyFkg3t5F/PEGgSRqa+wML7BZEmJ3I54V0+LKrhRVLAkgkea9xBIF/74mztaCDolnnS
QSbDudt+++KtGxYbU8M+VSWbnG9+hDADnvOOcsaaNplCALSF1C21jEddsRU0V7vTak4s

Vax9QUIBntjWZoU1RvJoU7kwD0+917YyfZmuiXOZpEILVjTtYMRHPYD2vjhOJU6s6KzCPve
Gfe5A/HCoqrEMAXAnykbRNpIBI3gCfXBOcdxRbw0EqJAdTAi7X3Ij1j6Y2VA4qimfbXiTF2pp
VLJYsQRcqYv6YrmVqlVlmRwJATTcXkttfecCVtNWppGlGZtOoCFHUxvYz74YUaS06wVnpv5ZL
AkgW3jncQBjlONqzg1ezEzwQqulkJ6LbqZX577TODBmtyTFvLBJkHeQbA7WwFx3iiVHZ
0VC4PmgdNiZJvEC3bC/LVajgqpmBckCxvawJ6i08tsc/rvgjFdEmZ4hpqHcnSZVh8J5dh9cB1
+Ifw9OmJmfxtFoviJ6hJ1QNRHO8nr2xLTybNfUGYR5Vib2JHpPK+O9RW2Las4p5hQo0HzA
73tcfqcE5g1HICknkSAY3tPbfBuT4QUK66ZCE3nfaZMbTGGQ4fTmacJNgd9zfmST2xylOKk
RL1iD+IPvn5H9MZix/5cn3lcnmZYT8sZjn/wCheHO14ejrXAMC3P7p39Vn88dZipU2FQHy7E
GQesi+O3hVYjUSBuqge1zE4GTMBV1VNQUnzCBIm+wXv649bo96sKyzsBDtInofpO5+mO6yr
EASInTsfptgJMzQdv4ikgWpswJXsTf9LY3Uq1VOmoEZJswMHsbR+xict6Ko1nKB0eSdYurhmgT
yIJExiLhuazBhKmkkXDCAG/MH26YMUBiCNWneZP8AxN+vMjnjSZqm1TwFd9UQzAhl
UgWXzCLiDA2wPTtitqkS1xUYiFAJvYsPa363xDnssxuU230KTM8pVgfxxLXzS0x4YaGH9It+
ANumB140NYQsjtsIgR1MTO2FyV8GSdE2TlRKU2JO+ozPpPbscEIlQk6lVQehY3BA67RPL9M
C5mi1TkSRzLKFAtuN/bEFBXUWQMAYtUEwOQtYC9vryxr3wav0nbKU1IqES8WL1I9+Rx3
kM7XLQUQqLQHBP1M/PA7ZZNRPmJ7qlhzEjTblzxuqjKp00xVEgWEADr8Rv3HfA42bKiNc3US
o38Oq0sYL6UUEdPL6+vOcHpmRVJK+IpX4omJ5+3eCLYV5ikpfToVGgGdQF7czub7E8/TBq5U

IlmuouosRG8xuYiJxUYtcGk0zVemHmNTMOfaJEHY78pvjhOEKVJNSoZ5ROmNrb9s
dVqlF9LmlO3mqeT2JNieuN5rONTGmgqJfcOCL3mOnfD/0N9AWYydNfKFNSdiDoAA3MyZ6
QOeOE4JS1rUVGMxYuJHW/wA72xImazIUnVSZjs1gfSA3vPriXLZivpGtEcbhhIM/KCO1ud8
TTGyLjTqoVjTFWbA6jEgxBMG/a2x9MCcI4vTNRgco1MddRNu45/8AWHWYzyIYKMGYSfN
+RBxFX4kNOpaKSBYuQLbxYbemCS3djF2uCDM5iATTorp3llvf7wFh+zjVEOxVaqKCpDarC
RyIIHqI7dcHLxywdqbRsRqNp3kBY+uOX4+AYRIIPWbd5Uke8c8V/L5J/pBWZqqUWEJ03BZ
BAHqbDlvgGnwhao1smokyytv23Me49cT1M/N6jFJFouPaAIOCUqUdH+oNpJmZHyv6YrHwLoG
oZNUAGoUlLGAGA838ouZxVvt5xl6CCirF/EA8xHlAuAAdidz7DFs8HL1FCiSDtpJHqZW/P
njVbhtBwUqQ68gzFyLQYmWG+842DCUlR559mPsnUtVZWDM4IsCQt55GGJj0Hfafiv2dzF
GiagqgOzM1QlW2JGgLHIfiRj0YZemwnVUAiBDHl0BEDFU+3WUqNQHhh4m952HO9jM7GLYp
wdHNtUeacQr0zEM1SoQA9RrDqQI38w3N4OFpzIHwkjrH13647zdGpPmBJt+/rgGshBgiMZRD
YXkJqMULQIk7XE3uYixN8W2nmaYWEViQIkwCbxJ/H32xT8nnVp+YorE23i3PbDbKVyy
nRHhqYu0kgweY5Tjy/PGVp9EuhzmXNwpW8Tfbv8pGBalfQukkoSDEwTaIPv3wu/zYCVpoR
G7bzf8AM4AzWa1N5mEbgAc/liIfG+GTd8hv+FrG5kT2P6YzC9c4w5t/yONY64SJxZ9A1Mo9
SQ9h6GfblhRmuF1g40hmB6H6wbHD9M5SpytwJJkiwtO/PG3r1ifI1IICIOokkc5Fo9ZOKU1I9
uLQgXgtYHWq8oIBiR05/uMT08vVIvKi+949Vje3L54k4w+apkEUqb+aQwLmOQLA2Hz3wRk
uLMyBnpqpJi5IsJ7X542STo2LasESuKYAqPKC/lVj3hrHbqIxFl80viLUy1Wl5pmnIgn8R+WDa1N
ann8i38pDkdBE6b36geuAq/ClpszuqJIJ81MatRiDItvcnfA3eykkHZ6jTqQKgXXEaXO3/kLd/fA6cD
pb7kcyQQD7XwNVoMxVvDp1GFtYYibbf1H0me+GeSewV0qIWF5cnSPcyBfHRNMlpo
Dq8J1ALMoNwQYsZteNzvglatGnpVmUPECCSfW02+mCa3DgyiHZhy8x+Yvf3nEVLh4FiSY
5Sv4e+Krwm/QR6dNnKhiTBBBaAQediOouMRZug6srrVZdFgAC0ctrzy54ajIFbyxHTYeu4GIq
yEyoTUeWkwfnqwON8ipVwZRq1Ao1Neb2A1dwCRBPe2JAY8yqTeIKgR6npPQnEOquwC6l
QxYTqa3vHzxGcuGUanl5tqlQD102B9DOKAlzFcEQRTkjkwAnpz59sBh6SAs/hAbQCSenSe
2OW4RW1BppRJkaRPqDAv3xg4YsSxAqRfTJBHUgaj74NmpBWWFCoQocNvYATBPe59hg
qjl6VOdFMADn+l5whYZU+XxW1BtN1KmRy8w5dTgjL5Vw2o1HZWFwyggR1g/hhTM0OKim
5g/Kd/U4AzFJr21NvaD7wTv77Y3mc22mFZQotMER6ea/oMDf4oFC/jyAJcBGJHoJJXC2gSZ
Kr1IB8Jh/uMQevlH54jTLvJuh7aj3/mE/XA+Xz1NwP4lKoDsSkEf0z/YYJGaQAgQ4H3YmOpA
DH8sCaFpmUnElKhUC4gG/yA298ZNNgQNOnuCD8gD64OyeaoG6BUnfaJ29cStmkMaWSJg6
p6xER2GKVEsRvSpggg73tqvveL9MbzNKiBGgAnq0Tzn/AL6Yf1noSCdIYCx0n16W+eBszWRot
TmPiiR9eeExTXVkY1FKqZmdbe3rHSMRmrUYDXVGmOUTft+c4tNTKWJhGLHePhA3
6jCytlnN/KN5hj7EwN8TLLopKPZUs+41DSZB6/vffAWeyVNxBpmdzcC/54vdHhyjUxciLGBHv
zn1wrzHDfPZ4HfpG9rfOMc8pIvGLKbT4Qkf6akR963vM44qZVtJCgBVAuD16emLvX4YD5aa

+IYuTHvF4wqqcHzFNQRUUQTCtNgRYSAcRK29kSguio1cm9M3WT/UIP03HriB5DAiiZi4Km
P+8WQ8FzPxs4mxmST72i3vjvJcMrVGYWRhJLExI7deuFWcX8crsqZzp/8AtD5YzFtbhlfmT9
caxWivrieo1eHuV1amqAmwDCAL3/l/IzjqnSKfE6AiQoUQ3aY2v/bHNKqak02puAuwQGJ3HI
QcSvlRUg+IweYKul5FpiPwxzwp6R3y9JaOYdgd7bFDfobHmOYIxCUqaSA4qCbA2sO4/Ax7
4JPDaarLDUw9vW395xFmKVNlkAgmxUCOvmEjf3vhxdWbJWLcs4psT8DD4gfEP1FgP05b4
Jbi1NgIgyR8O/KJBN/UY5GSFQMnjRI0gFQpuPhmIP7jCGpwtqZIZdSAwIUG4tuDY25e+Mm
0hpNlozFRiJixGxVpaBzABb6YXIrEnQQSwkhbG43kxYdD8pwLllq0/MKbkmyMwj2OswQdpi2
+HCUqdT/UVFIsSSQRFyoIP774bthVCl6lcn+JMwIgkb2ESIPLtgvXVCACowNjJVed4nftiehxKkz
mmCWCjckcrne+34YOGVpOfKNNpgEAntEgX7jDkvQproU+LUWNdSV7oJPezbd8FHMq6wBrg
zoEgiOgn8JGCs6GWmTTp3BvqBMjcgwLcriwwqzWUFSHRyskkqZ8rATBibW39IxlNXRsdWbTN
mPLTVVYnV4hKNb/AMfMPXEr0aWlakoBO+lYneAWv8xgHL8PqEeeoncabjtqJB6dt
sEZFxSaZDE7MC36ATfqSJxsmNIkegHBYrPIQFF/kMQo1MjR4akhiLbgr10gnr2xG/2jJRxXT

QdY02jWpt082IAVY+UFpggo7A/Ikj0FxiPsT4RWDXIY9WnTIJpswNwdJPPoWn6YZ5bMhgP
KFBJnykW5mTyxBl6COpbWw6ifnI5H/bgDMIASFqGTMLrK/LUZ/wC8dotnNofTRYzEnl5WIPcTb
3wvztGkpLtqiI0yAD3EfiL4ByVawR6jq/8ALc/+4r+eMrZtLxVUMN9R+L5XkemKyVBi7Dctw
+mR5FHIy2lp99+2N16KgkgUgf6Vkk/PAjZlreHUZj0mF9pWCfecT5mrVginSpqe6gzPPV/bG5
MQIpZvKaRbYhlUMB3Amfng+ggEKdM3sBAPoMKaVXMqsMqki/KY5i8z2xLU4pWKMyUE8o8p
YEkbTOkRtibxGrGa5RCTOr1gDf64hrZYgyLxb4bj6X+WFQ4zVamdVJWaRACEA7y289LY
Iy+fJAIy/htvuYj5WPfffGU76HBk2eyVSopAqVELCBoBU9JvbEGV4O9OBrYjmKhDGfWNQB/
YGC1eSJVp3EAzHqCLD0wVUqUzdzva45+95xXJPAA+UBmR/wAduvsMDB6U2dZNvhI/ED
54KzmgkKlwb/Fp/AH9cc0XDGDTUG/mmZ9CB+fLAxRFTAAk+sgCMZWpnQIXUCZll5nviepl
agAFN2B3hSfe3PBNSlUCovitYDcKZP8AVIIPoBbEuxVFcCG4GoHnAt+I/EjE75QqpIHxctp9L7+
+HdVL6anh6rXmGIPTT3tgd8lDAwR0GqI+ZAntgVGbK6qU+dO/O/8A8saxZ6eTBAOo3/qH6YzD
oNnZ4iiwniEA2BBBsDHaO4xOlZ2JSm8hb6llUd5lySTBtGElU0yCCisVMhQsaFIEgMhBPW5A2k
2x1lM6igqlNTJLKFjXKz5zLGefLriVfYuuh1RzNQfwzoJF5apMmZjcenQYgqHNtaaQP
3lXT/8AvP4YDTOyZbVqIJGtF2IuARc8/XBXCq1B0DKkkGII8ytP0HPCq4J2SLXYtFSpJFitMG
Ax7wANjM4kzfE0QrTLajEBFJZoHNok/meuO8zTlioIN7ksR3sBB59TgVclpBAhNVi1NdJA6E
NJPzn8cWBwmZctNQaDqJWFNgBsxn5cjcG+AM5xRNTRJYgEiJFjJIv3+u2OMxweutTWHDi5A
DCW3sQQIBHfYY1w7hlXUWqaE6X59Og9Rji026OqxSsU8Kyy+JqBhxddVvN6c7Hlf5HDapl6w
QvTdZBusgkkxM/ucF1uEUnJDsCbRIO/O4j+8Y5yvBqYk03BQElgpMkyZAMwLW264JfG
27QxmuwjhXFKllqCXFpF5iSDYzH6YLoikS0lkPPVtJ2np9MLMzlUpyJqANt5iN4Bgz7/ALnG3
zC+VdoHxkySTyYNuOf5dFWuQaT2hlmKaoBBUMR5WgmevI7RthSmWKy5gsTALGQBz0SI6H
btg3JJUB0OKWi5BA0kTsSDYx0wW2WYKSXDKbfD5Yk/y6o3ibd8NWCdFX41RDOpZi94
AaSsEC6sLXPIk84OIKvDmtUpJAAuoI5RdTMfON9pxbKfhsoFRVImVg2+sdSPcWxDmqPhgimB
TpxfzRvuN7i3LBglwOdiJOI11UatZA/mUk+8EE4bUuJAoIpq221um03+fTGl4dVMFGWrSP
I3MdJ6j2xtsvUQHQrL0uSD+/3OLivAkyPN03AlaVNpvBIDfUgEbbEYXo9Km2qpSCNvqUtYneFkj
/jbE1bPVD5alMP3gzHsJwM+QdmDKfISSVYmVkDyjYEc7icDXhk/RzTr0aisUKkHcafxG9sdMyU
2AaoqxcfCB+Zj39sKVyGgCDpblM3m2mR1GCBlKhQqKbNaIa+9wAJO3WB3w2zUjniv
GKUadbs02CCQO5BUDvzxBl/tGFW1OXWw1kjfkY5nr6Ymo8GIP+nUpbGwBnvI5/LEeYyLkf
w6eo/7gPbne3WMDV8imlwS5LjtQ1JejFM2lCDA5SGhupsfbBVbN5d6gWojFiPL5XUW7khZ9
cJaNTN0ydVJApvcOxjGq3EqjQDTYA7habXt3Bt7c8C0qsXt2GcT4yVYKtJ1RfLtE8yZ/XDGm
BpDJU3vDssbDctc/PCmnTMEoKhIFwEEX5GLc98HUPDYBfCXvtIPeAflJGFfjBhdWsVADhQ
puCjWMbwQY+eNBkKliPLzM8+sBojET8OqBZpEkb6ZKj5WBviSlriKuXQk7MGEj52PM/u9bJ
10Q/5pSQwKjE73vPoRbEy8UpFdcVO+lWP4YircPpD4qaJInUfL7WETiLK52lTOhTpt91SwM
cpIEXxsq5NimEPxJXB0AggbOsfMROBKPFKtw9NRBsVDAR/USfrMYZtnNP3BNjc8rA2WST
6xywHXzQqQVpICp8y1UYGOoa4/LA5dmSOv81P9H798ZiFWbkqgctKgj2vjWG/w1BGVylQXFJ
Ycfdqk8iNxA+uM/wAMp8q0aRHOdR6mYYgx+uCfCMwyGBtv8wbie+CMsyzE1AZm7GfSZ29cV
RzsreeE4dTqqxFE06iwAYULbYESL7id9sKXzNei0MWB2Bv7TfY98XIvUDEsjAi3lcH3Nifp

vjhmSptUdDz1ib9rfXEuKZak0F8FzH+JpeclaqmGKnfp15R6HE6CorMrbNYQDAB9/qL4rzcO
qqy1KVQkgwTE/IjlHI4sOX4i9vEplBFvNLMeflAt88MfCX+AWc4e2lirXAmSbDnbt63wkR3nSS
s87kz6GQP0nFrpMtQyKTK3cxHtiV+FU6k+IikGxF9j2tHrvjOIqVFHzDqIapSDNNonl/Vt7DDOj
XCAKyBJ8xFiCLEACdM/rg7OfZ+nTWaUxNwZqGOoUtFu8+mDctTLnUUhl9BPt058ueBKhbs
U5NIbUhOkfd0kgieQ+EdwD6Y1mKtTUSlNNK2YliCZEwBpNvngrMPUDkNTYoLnVJB9JlUW
OO6OVWpqZVEr0kLI3EyVMHtiXvQp1sFySUnJIDARfUx0z6G3vAwScswMKY6EEgA7XtB2
AscELBpsAqDuCjxzMi218APQpN50cueiJcEWkadj6nFKIN7JszmlUB3dDFiFu3rbbriHNFapB
BDiCFUNLEXGzQZE9zjteHz52qGmSYtUZSY5dJ+mNLUpqbgu/c6oHoYE98ajC/huWqUSTTCr/

AEF7kf1LB+c9MMavHCjIHouNW5BmDy2Akdz0wyy2aV9IILNB8wBt2OkfXEGbyNR5hrHek957q
3xD3nGquDXfIt4jx+mjwKbl9gJF/wAe945YCyvHRUYBsvcNYgjf5Yc/5ZQpKGqIoDGCXbn0E/kM
E5ajl1aUVWe8LInvE4iT/SlXgr/xNR2JVxCm4UPPuZv+GBatSo5JJkE+UQAd7iQ458vpiwu5U/6b
qTc6IgDp3xzlqbMmo+ZiPhYgxfqFF/TC5dGS7FFPNVUILukHygNymLkyb/rtgnI1a
gqEFqQUG5XVz2A5H1GIKId3DU3QKhsPKRboCDuL8hiCnlX2mon/AJEwN5DROBZNGdFh
TXJ1sjIdioII7zcH8sKszQrSR4vlPp5hztB/TfHeRR1lTU2vv8Q/qWAB6jEr5IkjRUKXuF2n5fnisX
2GXgAlFpmQxHJSyi/bbly74NXQ1MK4a+38Qi3rM/nglKJUgM5Mc9J3+f44gq0mv5i6jZQFHru
DisV4GTYLRVKQ00y6qR/Nqv8AzSd8SpXJOkkEDcwIj257YgTVrEZdgFkEs23tZTz5EYxuJK
SwkHSTuoaAYMEBREdu2+J0vwXbB8xmqOqWDNH9MjfcbR64MOYpOsKzAkQCRPveTfHd
LNI1PWtWFB8x0VF32sAOu0e9sS5g/eJp1KbC2khWE8x1PbCnfDM16gDK0qnm8IKjD75SD
vyJbVty0xhimcNkrVEiLhhBO5Bkmfp7Y1TSnp+869Qp+VhHt1wszmVy0SEqM8QikMY7bbTv
OBwfRsl2GrlB93THKCNsZit/5ieaMOVmgWtbGYm5DSHOWyL0gND1UGw0mB9QR74PoZ
moDLLTYf1sARP9UCflz9sBZAV6hPiPpBEKAqAD2u0e+J/DCXqVEaO+3LYcsdjiEZnitIX1xHI
DVHawb6DA7ZhK7KtPUp5uUA2E7kyIHQXwvzGZyxkEhhMQGC9JtuRzwjzHFaNMhaGX8x
MzciQZB2km24xzlL06RjZcIZtlIPU2mJuR6dDhJmqWYBYhGJAhTrmxP3iwGBTxurW0lAV3B
BViJMW6jtvvhtw/MGNTOQac6gZAvbnAJsRee2OMpJnWMWhfl+KV6U6ywkidmE32M29MP
cjxksNR1SAOUD1kRv3ON1Xyc+G/hqzQZBAJm4Ow/fLAgy6BtCFGA5WVr9rEGO3LFRXjJb
9QdmOJs+nQqzY+YfF/SDyNt/8AvGUOJKtnPh9VhYB3+6MRf4VCT5yexH5H9cZRy2m7eH
UiwMAGOhnfni4qSJbiGZd6DWEEnlab3Iid++J3pKvm8qoo5kQPYSPrhHn8nTqOKgbTaDBie
saTaZuZviP/AARAhPhIgsGO/oTfHS2RSGlRAAXVEqCQTBAAB2AERPc/XAeaL1GNNqnhrYqU
aLEAwyEAHfcYXZjKZlVmm7FbRDgREzIJvfr23jDXLZavUVdQpuIgkspMgbG0b9OuJbdlJJ
IlyyimpSp/EtIlYk/zGRv3nE9LQ4lWZW5Lqt7SMJ6XElBNNtVIqfhVSkc4NpImduuHmTqA041k
33nTbkSVAnFxa6Jkn2V7jtPPX0amQ/dBIj1Mi+FoGfhNKwRaGI9iYn6wOwxc3fMlhpKaIHQ/K
b4GzDuTpaQy3i5B6SCI/YxzlFN2y4yaVFZbMMB4dU+OsHxGMFJ/pG9jt+WAMlmPBV3pyo
MAljZ6iC0kAR9MOc8j1GYhIk/eMH8cKqniE3QHT8RW8gHaARM9MGC5KyDaf2pfQsQQRc
GTBFo9/wB9zk+0A1ToCuRKdG7bCJjr1xWMzlmqMXpU3VvuxTKjy8iDafe/fGq5rMR41MyCJ
gHfaVOxB6YlopUXKnxFcyqq/wDDM2ZSGUxuO2GFCkwUaW8QaomwC/Kf0xVUq1PK2qAg
vrHm5mBAm1ufzx1lOK1NZksSZmEDTymUGGMmiHFMZcYerTbWlOmYs0AzHLzWt2jlhYvE
lcfxHKMIiJ09zH/eHlKvWeW8IMv+5gfXS4InfbEj5ekR/FRBzJPljt5b+5GKrLkLoTvSdRqao3Sb
mRyIPT2xEmaq7U6bNP3mIv3JQR85w+VQoUU9ABaB/FBF+QDxyvAGJ04c2oNrIjkVQKeosur6
41aNkJletUgtFMRAgmDG1wN+8YNoVQZVp9QI9bgXnHecAVjemJ2j4j2vbryxwa9QyyUmVQ0jy
yTb+nb364ItdMWn2idwgIKamPYEx8gD7Y4zJDwS0RyA/HviZs4VQGooAeTCnzAWE+
XmCRII54WvwpHEnUqk2loAnb4ZI636dcVkiUmHZeuoGoqTA5ASZi9o/AYgzmf0lTpAkwNgb
9bm+Bv8tpUwdLgnbzOzz2AWI9b4X5nOUqekMBqBklYUKRbeNU97D64H8lIVC2OGzyc1JP
Pzp+uMwoo/aynG2xI+7yJGMwfd+D9TBc5WNSiplhWp1NNjYAGRzgnnOFdPL0yTJdyN5Ox
Pry9JxmMwy5JjwEMaTwdA92aTHtHtGOdZRyrCEAnUCJvtaORjG8ZiJclx4GmQrsxALHwyZ
QAkamg+RouB3GI8nSzBqGo7a6anS1MxI3EgxEi8f3xmMwxSMySrkmqU/FIUsjQRABgGRH
LbcfLphUubWpsWpmdtxO4A5jGYzBLS0Zcko41nKYOqKgU/eIn0wZR+0qETpbVafNYb7GJ3
/DGYzEOTXBSSb2MaPEUIg6gxEgzqHPckTeDyxCc7Uar/AAyoWPN5FlbE7kXB7XxvGYtyYKK
OnzxIClfEJB0NOmY6gRaxwmzXFnYohdlIgHw9pI2AMfPGYzBLaViklZYMjntRK1qfipHka0

jqp1GZB2P1wd/ltMjWjso3AWQR8iBjMZjtDg4z5IzmShAY+TmTcj5BT74npVSDu0GIOosI6hW
25c8ZjMV2HQXqRgQxk9ACP2ffEb8MpsLF7/1Eb+hxmMwsEDJwgo2sBuk+ITtvY29LYIogBg
CgmCBcdjItb3PPGYzEoWCNwSm5LFZ67ev7tgpch4agILDaGM39f1xmMwmZsUqatrNIByN
5v3kj22wHnMnTqQoFQcvKywPmJj0+WMxmKJMyvCKVOoHIlksCWLXAubqLwf0xLn+LzAj0

P0xmMxw+Q6xBa1Ak6iFgg3HxCBfe3UThGv2kdnKh2QAbBFMCLbm5kY3jMeaWmeiG1s3k
/tM6qTCET8Wk89wRy25SO2I8/wDauspKMiQf6QRHQj0IxrGYq21syirJp105ojQDeoJMbb
CZ
hT0A6YS5vhDsGc1Cp5R6d5t2xmMx6IpNHC3YoX7NMw1Gqb/0j9caxmMxNIq2f//Z"><d
iv class="title">Flood<P>Floods are the most frequent type of natural disaster and occur whenan overflow of water submerges land that is usually dry. Floods are often caused by heavy rainfall, rapid snowmeltor a storm surge from a tropicalcyclone or tsunamiin coastal areas.

</P></div></div>

<div class="disaster"><img
src="
wgKCgkLDRYPDQwMDRsUFRAWIB0iIiAdHx8kKDQsJCYxJx8fLT0tMTU3Ojo6Iys/RD84Qz
Q5OjcBCgoKDQwNGg8PGjclHyU3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3
Nzc3Nzc3Nzc3Nzc3Nzc3N//AABEIAHoAtwMBIgACEQEDEQH/xAAbAAACAwEBAQAAAAAAA
AAAAAAEBQIDBgABB//EADsQAAIBAgQEBAUBBwQBBQAAAECAwQRAAUSIRMxQVEGIm
FxFDKBkaGxFSNCUnLB4TTR8PFDByQzNVT/xAAYAQADAQEAAAAAAAAAAAAAAAAA
ABAgMABP/EACARAAICAwEAAwEBAAAAAAAAAAAABAhESITEDIkFREwT/2gAMAwEAAh
EDEQA/APlyIQeWG2WqC3nJUD84AZgDti+Cb+EnFbJmvpnpamnNNI6kEWIxj6+IQ1DIpF1a
1xg5Ahs0MhR798VT5dVTtrGliexwE6D0DRH0g22PXDCOGJKfXOwLn5RfAbiqphocMt+R74
4CZlGpST0wyIYKGQoo3iEqi3cYhLTcIDhkXbpgaOqmRdAkKr2wdC4kZW1ajggIUTpDWH4y
BnViBz5YK8S5NUpDFUxIfhrWTv8A4xaY+NKokUjfnjUzZquWZXGkcBmYAC3MAeuBJsyS
kciMDuMRXnh9nDpLJaGBUJJLWHU4WLQyMy8xqa3LCtMNlF7jESdO55YvWLzje6WuT2vi
HBLOVN7BregwjdBIEltzzxEqe2GnwDLj34M9sMkwWJ+Dc8sXxUTv8qknDRKWx5YZ0IWG5
AwyiK5GdNBInNCMerTG/LGvEKSoSSCcLainAJthnFAsmEjmRKYZQRe+GQSUHcmw6Yqys7i5s2HKohHmPv
h0hbE4oY3k1lASRhH4hpXhtGBZH8ykC1iP1xsVjKEjp374WVFdHMtRSukaTxsP3czCzr3B9s
GSVUBdsxrU5gd1dQTJECvUjf/vBuTZc086WfzN1Kjtbue+BsydYZ1kLEoOiG3uPtguirKeF4
2MbcIG6Rjv3Y9ccUZMvMmL5gNgjspJuDzC7DfFvT1VfESMXew+l1Tg+S1jz23/OC0pX/lPvgWnny+hKhqiR5bbkA2P0wwy7N
BVTmMKukC43N/0xoTT19maYRDBJptYnEmoi43IGDZGCQk+l8DrJdNWm57XhzbJudA1qzD
Lsym5MbrHAouRe/bDJ1lqbi2lb9DgSro1ia1ia1rm174FBsTskk3zEs3pjsFsrj5BpPfHuCAR/
32NuWOCFjspw5WsiiIEYnBNyNuf3xRWygOrR/IeZcBBf0PPCSnCHCsPOcgSOmkJF
lODaamqW3WMkWJ27DEZ5mpstpqtqIj8Q8ihEt/Dp+/M4AmzRuIHi/duTqDk3IrX97dbDEV7
5fRZ/566x/SQmaESrpdD1XcYLh+GUguoFj2xmYc/qqExys7TJuBqG2/rz68sWQeJ+PNqrUiE
d7OVU3Hr/jDx9H9oSfkvpmtkqoHVQArbW5Yp4fEN1TThFR59I7eaWB9dreSTYH2OGMUrJPx
WQvARcXU29tgTh37QiTXhOQyp6Vybh9PtgsI8Y2nGA56PM6V9baptrmNIrBeo3lvgeHMTUyxw
aVjqHQuIn5tuRpBva+x98MveAH4zGDvMxsSZRAWlAKbmxsCO3oc
26kc74AmqY5qazxsy6bnzAWlwfTGS6JHJPghqromiZ0NwSpHM9r4FpWVhIWLAKbmxsCO3oc
e5ibwvIwHEkbUbDZcVUmuVeFFoAHmLEA26c/rjhaRcbGty+qoWp4m2m
o2/51wHVUVTDTxzsQ6k6EI+X8csSReGki6S7PMPZcbhmtkd/UEdp+UsH
3uD69cLKxoqL6Kcsejghb4uUOXNyLXH/PbvhtBVwPcxaSt+aYrJ4A60Eodz5UKMDc9LE
d8DyZO9PVakikp5V5qdvwcXk3RH0VOmNTMXsG2A6Y5m3BHLFCwTaQ+JQ0ikxR
h3djZUVSST7YvZMKSrEZ+UEeuB56kPclFlTltRSTpDVwyxO17dV0yxO17CRCv64tio1vuBgWEVs

wZrgb47Gjiy6lYXY39lx2MYwtVRZxSTtHLlhazW1GXb788eLSZ0obR8NTl9nACkke5vhtlFbW

VOdRUtRUTNEXYMGlDXFibd+2NA2UVMoLwxIIio0iRtIbnyJ3/GOVwS2da9JPRjosiqKqlpqN
5oI1h4hDEsAdViSbcvlAx6fD9NKpE0iXvsVupA7bDf641UNHSGr+HEinQhuTtexHfAMM8j5oaf4e
nFNxNAl4t3bbayj2wNBbYsy3Isuo6gSSSzSRW/eRo9tY7bi2G1L4Pyuv4q0tNIIOMLu0hOhtJYXA
t5SCRcHDCuSlp4WDRlpCBpVVJ3JtbbBeVVa5Vkqx09Rw6uVSZxLDdQ29t7+WwJHX
phZWntjR+UXSMLJ4UoabN6milmnlMUjRqFXzG3bff888a7wT4ey6WoqYUpzIhAUmRuTXO
mw9je/tgOVa74XMK5qiGrqy2t41AJUk2sLW9b++GXgqMUIrI6yKTU0ha6sHL2jDAX5gdLem
GTtgdJUabKMvVchra+ooln0uTokffSLA2v1AvbvfGaz/AMP0+Yq01H5zq8iyAh1B3G/pexG4PS
2Np4ddj4FrGmOmR+MbNttcW5+gGF9IVaINa/luB9MMoKTbJuWKo+fQ5zIVCpFIk8b7yAEh7
bXPM3t9+vfF5aSukcSgtxPn1QkA7W5AjoPxhgfCZrkD8eSMliRw0tt2+bAsrnLOHl9JUOJYH1
XlCgM/O2okjoLYn6vBBUgKLLaZl4UFRwJgG1MVa9uwuTbf1w9y7w5KuV0ktTO0TvFdi0Rfz
X5Nv2tzBGE9PURZfI50kSogkCRP85BJI5bCxFxjpM6zOupkrsygmamMgEcZkJEvc2TTZbffb
3xvC5bYsjS5Xla1OaIKgRSxLGC7GPYgHZRso3N9wOnPG0U6VADewGM74Xl49NNVwiQK
8ccYaWPhliCdR0nkouAMaWKWPSp4kd7fzjHZFfhJnVDpT5fK1QWdWGkLe2onkNsIaR5Gq
ZOPl9PmsLLqEJjVZY/6Wt5h6E39cUZtnCVeYvTRt5IPKt/42OxP9sZnMvEFbk2ZxcFnsRZ0fY
Cx69vf1wZUkLHbo+jz+FMmnSOWKmmpdrtGHv62vv8Ag4L8PwU1Ek1JFGsUsZIPUsl9j3tjK
5D46asVfiEAUc2fYewbkfrbDLOc4y5I4p4pj8V80XCN2X/Hp1wuSofF3VGlq5YBGwqWj4drni
Wt+cYHxbPkkVNxMtSM1j/KyOQg58wdufbGazrxJLmktTE6zFqi8TRp8wHLYfnDvwl4XzCStp
8yzaQPGgLLHJFpZjawuDewxP8Ao5OolP5qO5A3grLcwzqCVsyRoinJlltfttscdj6dENIAAFgN
h2x7iijRN02fJHytqSVa2njjqJtRNhGkPPa50senLY+px5PQZ3m03CVWZ0Uao/iEGk/0g729cL
stbMXHGzLKqqWKR9MCUrCzdCWYkW3sOmDYqiup6aaU0lNRrFdGS0byOOtud9+fmHXH
G4M681+B0eRtoiEghrZG2ZRNqcW9F3H0H1wBW09FBmAjm4NJIlwdl1eUi9rt12739sejxLLEo+
DlipzIbBFhAYr/ADWTUefS+JwpnGapIqGsSCTysvC0iT3/AHV8KotdGysm1bU8KChhVKWj
Q21Kl9yeXMEnnvf6HCqup2EpaM1UulfLLpJQHf8AgAv+O3fYd8pzsy8MVMhRbaeFXR8u4G
kbfbEo8inNV/7sSSMosGc6rbbfLYH3/wC8Vp3wS1XSVGZ6WtVI1kSnbQkhkUKD33PLb+2D
4WZM0lqSKcmW9jHKjautrHmflwzyynoKTL6t0hpIqyMoI2dTJxAeextp688Rg/aMtXTVaZZl8sif6d
vNdwD0U8t+thy7YZ5CJIbUfiaT4Z8sqBCvFRkMzLZST1Nhsb/T2xdl2VVk0rUzBI1Vbs67gjlscD5j
D+1A0tfDSJmKqNSQyM5I5ecAb/g4f0hgyDIi87my8/4izdlHfoABikNLZOVXozni3NEyCOKKSXz6
FCEAAmwtYe/L84+eGshZzLVNwgW2Mh5DtY7/AG/6f51QT5lmT5jmacCWUEoj3si8t
jy5WwrTw9TzMzBEZmZVuRzJ2GFfln1myoN8PTU+bVU/AYmBYwKmpmQBVHKwvY3O3frj
V08R+I4tNJNDKhsdDANty2BP1vi+hy2nybLY6elj/d6dX7tSTIe49/8AbEYJ0hXiQUpgV7a2LKd
R7bE46IecfONEG3JlMLyzhp88WCjWJzIGkqtWojraw6274srMwjyyglr65BHEDaGMPd5e1x0
+/wBcMP2XWRySTCmRHJ/eSkre9trm/qPa/TGTz/JsxzGqMsyB0CpGhjnXQCVVgux5+YfryG
A5hXmZkZ9NXz5lPWTWfhqY0/lFiQBh4KiPM4Y4s8o1qgsS2nhk0S2sDv35HD/KMsmy6jiio4
4wqx6jpZW1bAknvsb7+mGIo6opqakpWJPPhpv9sQk7LxVGOp8woaQiHK4aiVivDSnkGyWv
udvW/wCTgyhy6vrIos2zFwkDSWhjUgMWFyOXIbEW9cOJTGVEXCQBNQXhkqBfnbHlVUM
9FHAA37oaUF+YJFwTieOylnnw6p4io3pAFrGUunl+dVQkqfe4xt8uNXVwR1EdTTmNwCI2gP
lPa+v+2MOGEGZUmYEbxFhftdSP74e5RmMlJSiNJ4SAS1rdziypEns1fERJESoiZWcfMN1u
Onf8Y7GWr87q2lhChpE0m7It7Hbbb2x7isWq6TkneiqonyyGCohho4tCtspiVVa5+azDoMXRTZF
M8EvwULK9hCAqMTt1UctrHphBR0U/wsdRUVj6pHHDXmXB5kk9D2/xjWZhrpqKKpMSyaUYaz
EoK7gBbDfe/S+I1WytiXK80yeoqaqaOmgp6PVaKby2lI2Nvr+oxGvzdM4p5KPIuJ8Qq6oxwdIJ/qJ
2wPDlk2ZqtUIYYqhkQ6I1CaCCSSL8r/0g7Y4UWYzZqyiaNYTE0bOAvE3vvqW3IW6
4Kiugyb0BwZMyQwxtURwMNMKp8IjtcAgDkDyvvfkcKZ8onetrXbMCswj4ISJQQNrXOkkG4s
PQYtzMVOQ8VoePNUPoVp+FvNpXTrHmPQ2Jt0w1yXPqzMEDx0UCqqkka9LsQOQBAN9ul7Y

LqtgXTHZUkeZNrjqJKhY11tHEjAtb+HfYfc4fVma5hUwSJKYqGkCDQiSW2vuDbzHp0Ax1XPmhf
4YyCnC+ZS0ZUDrs4/3xGhyqCSsT9q1S8IgBpDGdFzvp3J78/wA4ik48Hey6BjlmQmaICHikuZF
U3C38t+u/Ox9veUnimRPh56haeZmWyvHHb7HpfG6pqOKMSBVtc2BI5i3bt2wjzfw9
JEiTZIyxNECWg5LKe/Mbjty36YbNN0bCVWJxma5lBHRyZbI9jqSVrrp9dR9/r2wZQ5VSh0eq
zN5ZotohpASInnZABvbrjK5vJLXSqXZaWanY2VYLFW9dxv8A74EWqzSEFhmXkKldLUgJtzI

vq2xRKhHs37QMJ+EK+KVCbjWNOnuSSdzhVXVEWXMlMuZwNIjXKCGwUdCW1H/Ppj5tUZ9
W1GlpZamWOMeV12AI9P8AOOjNVWAPQZcZZpCCs4S7J6X5c9788FzRlA+kZlm3GlMk
eeQxuGDHRTAi9rX3J9L2PLncDCSrzaeEJTQ13xESusnGWPhsSq6FBHLZQBfme5xnl8L1z
wOZ5Iop7HylwW+pGwH1w48M+BJ9JzPPIjw411R0x/iIBsW9OW33xNNS4xpJx6N6PxGzVa
wxApAwFg9tjYD9NsOajMJnbWbAk3tpB/X6fbC7LctyqBZmWgWmqZAP3kKix9Cp+W9zutsF
VUcpdVjA321NsDtzxnQUVmYly7C5O978ziHH1EXXckHfE6mjkCIoO5HMHFSwmnqIJZ7gC
Rb9RzwAsvzCQinCg/8AkAOOh0ta21ueK/FMpMMPC/8A0Je299mJv9sdQ63I1XAUfKMMxU
GvICgAsT3Ix2PQ+k6WO/PcdMdgBo7JyzIM2q5YISblmkhVWk6XJ20374PzDMazOHFJE01I
pQ6zAAxTbaxsR9sZaqzzMMzkgFTklPqUao0kci1rb29O5GHc0ucTUumSOIJUFeJolKsFv32
O4wczLzoooqAxtBHSmqnpIgyNWK4uSOYYWuD027b4uzOpq1reFlCxvWiOyxaCdQNr7C53
x7BPVrQR5bS/E1Ueq08zkEKpO/W5xRU5vm0A/Z+V0TRRhNnWzlh3JsBf35YdNUI0RAz2d
eLWQQ0ZA8qzOqFjfoLFgPtzwozJqtXM0KIldHHdF1llZQL+T3PS3XETUZn8XEtRNS2YnXxZ
01kbbAi578sG1VOTTyn4iOMkXjuOtu/vic6e09lIJrTWjP8AhPxJn/xrU8xdYHQyhWjBXVzuQ2/
2th3U+Jcrq0eXNKZ4ZIWVPiaV9Bub2XTupvc9RzwDFwZwGnX4aqmPDkCHW0o7rbkfW3b
HlNkOV08Hw/EqKmnaQySayy6e2o2HLBjK0aUaZo8hzI0hSKir4q+ldvLSN+6mjHYBufsDbGn
pswgrk1QyMQNmVlsR6b4+SVWWwHNRT0s9KGcErVTkSFBa9gl+e3M25iwxocvRcrRJKGp
qJKjVu9TJ5ZB27/XpibV7YybWkaTP/DmX59oepjtLFtHKrlSfQ2tfGFl8PvTVskGZ8RNyylJG0Fb9
N+nbnjeZTnEOZBuF5JlH7yEm5Q+nceuC6yCGugaCpQPEeYva2BboNJuzAeJZooYaKHLnpqe
aNLJI1uEAbXAvz5A36YCpaWqrHUVviYSyynSIqWK7N6bAnBud+EmpZJJWRKunCkpJ
LIUMXYbdL3/xht/6b0mUUdOslHULNWts76tRNui32+1jhlFMGTVjTw54LpcukWsqGeepHyrJI
zKnrYkjUPxjWywg0FUp6wuDbf8AhOI09pANJYg/xKfwcE6dMMilWK6SLrc/5xdJJEG7ZgogA
g3IsOuLomF7DbFa3WMW7YH+MCVMcVjqI3v64jwrQaQwLb2wNOQJIvL/AOQdeWCDKpU
ptvgeZo2niDG++4J25YwfohmyqHpoyBZqpSPTYk3wfTlFKx7XAtfvhTnjkS0Ejarlwb7WsQT29
MHcQh0Y6Tc79MM3omkG1KDWbgW5bY7FbVFmN1v749wBqLaBYGUMzxKehkcnfbn1OK
8xVakODUKgY+YI9jy9r/74Bn3Bvvy/tj2kVQmygbX5dcZfIMvjwkuWx0FHFFFPHIqkqERjffcnAtXH
JYAxtKh2ZdQ8o9jhpYBRYDn/AGxTIfOv1xVLRNsUrTi3Dij4S8xcAW+uBqmlq5WC/E3jW+
ocO7Fu4bp9sPHAINxfY/piCqug7D7Y2ETZszv7Ohp2LgNqJF2J7Yvjp6jNA9LDAsyjYvI1kS/q
evoMH1gHDbbDvKVVKeyAKA4AAFrbYWVLgU2+mdyzwqKZ5ojLJHTxsF4yXDS7b2PMAE8
+uBvFeXVNEizwSTVCW0cIkHzdDq/l6nbG5sGqrMLjbn7YQZh5qtA24CmwPTfE8U+lLa4Z
eK
tjy3KY+GXmr+JrMoQxiHvp23HS29+uNV4e8SDMo1jqkMNTYbEbSe3r6YVZ+ijKpyFAOg
nl6
YweUTStJMGkchZjYFjtscCarhoO9n2x3WRdLqLHmOhHtjH554ZaJjW5ChE4N2p1YAG38t
9h
y5Yd5SzPldO7ksxQXYm5wQpPxKC55Y1DWIaHxLWZPIn7TifhOovIWsR/VfqO5++N3Q+
JssrFiSkldndLheG1h6FrWvscJJ4opKqPiRo2oC+pQb88CZg7LltO6sQwVrMDuNxjKTiBxUj
wFbW
LAAH735HA1VTA1EU631DY+uBackwLf+Q/g7YaS/8AwL/WMEWyiK6zkkeS1wcUFlFbCL
Fi8

lgPocEL/qm/ob9RgKP/AO5p/r+hwOBZZ4hUcajQAizW39jggWMarMqnfv8AnA/iD/V05662
3+ hwTCAaNSRc2GHmTgeRmXjEm3BIst7c8dimYkcK21lAHpscdiVlT//Z"><div
class="title">Earthquake<P>An earthquake is a phenomenon that occurs without warning
and involves violent shaking of the ground and everything over it. It results from the
release of accumulated stress of the moving lithospheric or crustal
plates.</P>

```
    </div>
</div>
    </body>
</html>
```

Intro.html

```
<html>
    <head><title>homepage</title>
    <style>
        .Main{
            background-color:darkcyan;
            justify-content: center;
            align-items: center;
            height: 100%;
            display:flex;
        }
        .navbar
        {
            background-color:darkgrey;
            color:black;
            width: 100%;
            height:40px;
        }
        .navbar  ul
        {
            display:flex;
            justify-content:flex-end;
            align-content: space-between;
            list-style: none;
            margin-top: -10px;
        }
        .navbar label
```

```
    {
        font-size: 25px;
        margin-left: 40px;
        font-weight: bold;
    }
   ul li
    {
        width: 15%;
        font-size: 20px;
        font-weight: bold;
        margin-top:-10px;
        font-family: Cambria, Cochin, Georgia,Times, 'Times New Roman', serif;
    }

    li a
    {
        text-decoration:
        none;color:whitesmok
        e;
    }
    a:hover
    {
        background-color:darkcyan;

        border-radius: 5px;
    }

   .Main
   {
    text-align:
    center;color:whea
    t;
    font-family:'Segoe UI', Tahoma, Geneva,Verdana, sans-serif;
    font-size: 12px;
   }
</style>
</head>
<body>
    <nav class="navbar">
```

```
        <label>AI BasedNatural-Disaster-Analysis</label>
        <ul>

          <li><a
href="C:/Users/DELL/IBM-PROJECT/flask/template/home.html">Home</a></li>
          <li><a
href="C:/Users/DELL/IBM-PROJECT/flask/template/intro.html">Introduction</a></li>
          <li><a href="openwebcam.html">Open Web Cam</a></li>
        </ul>
      </nav>
      <div class="Main">
        <h1>
          <span> China, India and the United States </span> <span> are among the countries
of the world most </span> <span> affected by natural disasters. </span > <span> Natural
disastershave the potential to wreck and even end the livesof those people,</span>
<span>who stand in their way.</span> <span>  However, whether or not you are likely to be
</span> <span> affected by a natural disaster greatly depends</span > <span> on where in
the world you live,</span>
          <span> The objective of </span> <span> the project is to</span> <span>human
build a </span > <span> web application </span> <span> to detectthe </span> <span> type of
disaster .</span> <span> The input </span > <span> is taken from the in built web
cam,</span>
          <span> which in turn </span> <span> is </span> <span> given to the  </span >
<span>pre trained model .</span> <span> The model predicts the </span> <span> type of
disaster </span> <span> and displayed</span > <span> on UI.</span>


        </h1>
      </div>
    </body>
</html>
```

upload.html

```
<html>
  <head><title>homepage</title>
  <style>
    .Main{
```

```
    background-color:azure;
    justify-content: center;
    align-items: center;
    height: 100%;
    display:flex;
}
.navbar
{
    background-color:rgb(238, 81, 81);color:darkslategrey;
    width: 100%;
    height:40px;
}
.navbar  ul
{
    display:flex;
    justify-content:flex-end;
    align-content: space-between;
    list-style: none;
    margin-top: -10px;
}
.navbar label
{
    font-size: 25px;
    margin-left: 40px;
    font-weight: bold;
}
ul li
{
    width: 15%;
    font-size: 20px;
    font-weight: bold;
    margin-top:-10px;
    font-family: Cambria, Cochin, Georgia,Times, 'Times New Roman', serif;
}

li a
{
    text-decoration:
    none;color:black;
}
```

```
        a:hover
        {
            background-color:honeydew;

            border-radius: 5px;
        }

        .Main
        {
         text-align:
         center;color:whea
         t;
         font-family:'Segoe UI', Tahoma, Geneva,Verdana, sans-serif;
         font-size: 12px;
        }
        img{
         height: 80%;
         width: 100%;
        }
    </style>
    </head>
    <body>
        <nav class="navbar">
            <label>AI BasedNatural-Disaster-Analysis</label>
            <ul>

                <li><a
href="C:/Users/MAHALAKSHMI%20G/Downloads/buildhtml/home.html">Home</a></li>
                <li><a
href="C:/Users/MAHALAKSHMI%20G/Downloads/buildhtml/intro.html">Introduction</a></li>
                <li><a
href="C:/Users/MAHALAKSHMI%20G/Downloads/buildhtml/openwebcam.html">Open Web
Cam</a></li>
            </ul>
          </nav>
        <div class="Main">
          <img
src="https://images.unsplash.com/photo-1532883130016-f3d311140ba8?ixid=MXwxMjA3fD
B8MHxwaG90by1wYWdlfHx8fGVufDB8fHw%3D&ixlib=rb-1.2.1&auto=format&fit=crop&w=1
```

```
050&q=80">
        </div>
    </body>
</html>
```

app.py

```
from flask import Flask,request,redirect,url_for,render_template
from werkzeug.utils import secure_filename
import os
app=Flask(__name__)
app.config['images']='C:\\Users\\DELL\\Downloads\\AI-BASED-NDA\\Flask\\static\\images'
@app.route('/home',methods=['GET'])
render_template('intro.html')
@app def home():
   return render_template('home.html')
@app.route('/home/intro',methods=['GET'])
def intro():
   return.route("/",methods=["POST","GET"])
def upload():
   if request.method=="POST":
      print(request.files)

      image=request.files['file']
      if image.filename=='':
         print("filename is invalid")
         return redirect(request.url)
      filename=secure_filename(image.filename)
      basedir=os.path.abspath(os.path.dirname(__file__))
      image.save(os.path.join(basedir,app.config["images"],filename))
      return render_template("upload.html",filename=filename)
   return render_template('upload.html')
```

```
@app.route('/display/<filename>')
def display(filename):
    return redirect(url_for('static',filename = '/images/'+filename),code=301)

app.run(port=5000)
```

8. Testing

8.1 Use cases

USER TYPE	FUNCTIONAL REQUIREMENT	USER STORY NIMBER	USER STORY/ TASK	ACCEPTANCE CRITERIA	PRIORITY	RELEASE
Customer(Mobile user)	**Registration**	**USN-1**	**As a user, I can register for the application by entering my email, password, and comfirming my password**	**I can access my account/ dashboard**	**High**	**Sprint-1**
		USN-2	**As a user, I will receive confirmation email once Ihave registered for the application**	**I can receive confirmation email & click confirm**	**High**	**Sprint-1**
		USN-3	**As a user, I can**		**Medium**	**Sprint-1**

			register for the application through Gmail			
	Login	**USN-4**	**As a user, Ican log into the application email & password**		**High**	**Sprint-1**
	Dashboard					
Customer (Web user)		**USN-5**	**As a user, you can view edit your personal details**	**I can edit and view my details**	**Low**	**Sprint-2**
		USN-6	**As a user, you can determine future climatic changes**	**I can check on informati on about weather forecast**	**High**	**Sprint-2**
Administra tor		**USN-7**	**As a admin you can provide or display the requested details form user such as displaying forecasted weather of**	**I can display forecasted details about weather.**	**Medium**	**Sprint-3**

			the place			

8.2 User Accepetance Testing

USER TYPE	**FUNCTIONAL REQUIREMENT**	**USER STORY NIMBER**	**USER STORY/ TASK**	**ACCEPTANCE CRITERIA**	**PRIORITY**	**Status**
Customer(Mobile user)	**Registration**	**USN-1**	**As a user, I can register for the application by entering my email, password, and comfirming my password**	**I can access my account/ dashboard**	**High**	**Success**
			As a user, I	**I can**		

		USN-2	**will receive confirmation email once Ihave registered for the application**	**receive confirmation email & click confirm**	**High**	**Success**
		USN-3	**As a user, I can register for the application through Gmail**		**Medium**	**Success**
	Login	**USN-4**	**As a user, Ican log into the application email & password**		**High**	**Success**
	Dashboard					
Customer (Web user)		**USN-5**	**As a user, you can view edit your personal details**	**I can edit and view my details**	**Low**	**Success**
		USN-6	**As a user, you can determine future climatic changes**	**I can check on information about weather forecast**	**High**	**Success**
Administra		**USN-7**	**As a admin**	**I can**	**Medium**	**Success**

tor			**you can provide or display the requested details form user such as displaying forecasted weather of the place**	**display forecasted details about weather.**		

9. Results

9.1 Performance metrics

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2
Sprint-1	Dashboard	USN-2	As a user, I will receive confirmation email once I have registered for the application	1
Sprint-2	Login	USN-3	As a user, I can register for the application through Facebook	2
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2

10. Advantages and Disadvantages

Advantages

We've got more than a century of detailed disaster data, tracking hurricane paths and earthquake intensities and even volcanic eruptions and the signs that lead up to those events. Artificial intelligence and machine learning can take this data, analyze it and use that information to predict when new disasters might occur.

These systems can "learn" to predict everything from earthquakes and volcanic eruptions to floods, hurricanes and tornadoes. Scientists already collect detailed data as these events occur. AI merely takes this information to the next level. With enough data, a predictive AI system can accurately forecast future events.

The applications for this technology are numerous. Google is working on an AI platform to predict the location and likelihood of floods in monsoon-prone India. From there, the system can warn those who might need to evacuate to higher ground.

DISADVANTAGES:

In a disaster, you face the danger of death or physical injury. You may also lose your home, possessions, and community. Such stressors place you at risk for emotional and physical health problems. Stress reactions after a disaster look very much like the common reactions seen after any type of trauma.

The prediction may go wrong and waste lot of resources and time. It causes people to lose their physical potential.

11. Conclusion

Many researchers have attempted to use different deep learning methods for detection of natural disasters. However, the detection of natural disasters by using deep learning techniques still faces various issues due to noise and serious class imbalance problems. To address these problems, we proposed a multilayered deep convolutional neural network for detection and intensity classification of natural disasters. The proposed method works in two blocks—one for detection of natural disaster occurrence and the second block is used to remove imbalanced class issues. The results were calculated as average statistical values: sensitivity, 97.54%; specificity, 98.22%; accuracy rate, 99.92%; precision, 97.79%; and F1-score, 97.97% for the proposed model. The proposed model achieved the highest accuracy as compared to other state-of-the-art methods due to its multilayered structure. The proposed model performs significantly better for natural disaster detection and classification, but in the future the model can be used for various natural disaster detection processes.

12. Future Scope

The prediction accurancy can increase. The model can use another set of layers to avoid distortion of images. The disaster will be more quickly and more widely televised via emergent and emerging social media, especially crowdsourcing technologies. As broadband cellular technologies reach the underdeveloped regions of the world, such disasters will be broadcast in significantly greater living color. The public outcry from millennials, Hollywood, and eventually mainstream America, will crescendo. Funding will likely be quick and significant.

13. APPENDIX

Building and training model

```
from google.colab import drive
drive.mount('/content/drive')
```

```
import numpy as np import
pandas as pd import tensorflow
as tf
from tensorflow.keras import layers
from tensorflow.keras.models import Sequential
from tensorflow.keras.preprocessing.image import ImageDataGeneratorimport matplotlib.pyplot as plt

train_datagon=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_r
ange=0.2,horizontal_flip=True) test_datagon=ImageDataGenerator(rescale=1./255)

x_train=train_datagon.flow_from_directory('/content/drive/MyDrive/IBM-PROJECT/dataset/
train_set',target_size=(64,64),batch_size=5,color_mode='rgb',class_mode='categorical')
x_test=test_datagon.flow_from_directory('/content/drive/MyDrive/IBM- PROJECT/dataset/
train_set',target_size=(64,64),batch_size=5,color_mode='rgb',class_mode='categorical')

from tensorflow.keras.layers import Dense,Flatten
from tensorflow.keras.layers import Conv2D,MaxPooling2D

model=Sequential()

model.add(Conv2D(32,(3,3),input_shape=(64,64,3),activation='relu'))
model.add(MaxPooling2D(pool_size=(2,2))) model.add(Conv2D(32,(3,3),activation='relu'))
model.add(MaxPooling2D(pool_size=(2,2)))
model.add(Flatten())

model.add(Dense(units=128,activation='relu')) model.add(Dense(units=4,activation='softmax'))

model.summary()
model.compile(optimizer='adam',loss='categorical_crossentropy',metrics

=['accuracy'])
model.save('disaster.h5') model_json=model.to_json()with open("model-bw.json","w")asjson_file:
json_file.write(model_json)

from tensorflow.keras.models import load_model from
tensorflow.keras.preprocessing import image
model=load_model("disaster.h5")
img=image.load_img('/content/drive/MyDrive/dataset/test_set/
Earthquake/1321.jpg',target_size=(64,64)) x=image.img_to_array(img)
x=np.expand_dims(x,axis=0)
pred=model.predict(x)np.argmax(pre
d)
pred

index=['Cyclone','Earthquake','Flood','Wildfire']y=np.argmax(model.predict(x),axis=1)
print(index[int(y)])
```

home.html

```
<html>
   <head><title>homepage</title>
   <style>
      .Main{
         background-color:
         dimgray;justify-content:
         center; align-items:
         center;
         height:
         100%;
         display:fle
         x;
      }
      .navbar
      {
         background-color:black;
         color:chartreuse;
         width:
         100%;
         height:
         40px;
      }
      .navbar  ul
      {
         display:flex;
         justify-content:flex-end;
         align-content: space-
         between;list-style: none;
         margin-top: -10px;
      }
      .navbar label
      {
         font-size:
         25px; margin-
         left: 40px;
         font-weight:
         bold;
```

```
 }
ul li
 {
    width: 15%;
    font-size:
    20px;
    font-weight:
    bold;margin-
    top:-10px;
    font-family: Cambria,Cochin, Georgia, Times,'Times New Roman',serif;
 }

 li a
 {
    text-decoration:
    none;
    color:whitesmoke;
 }
 a:hover
 {
    background-color:chartreuse;

    border-radius: 5px;
 }

.container
{
  width:80%;
  height:80%;
  margin:40px
  50px;display:
  flex;
}
.disaster
{
 width:800px;
 height:
 400px;
 margin-left:
 15px;
```

```
   box-shadow:-1px 0 10px
   whitesmoke;align-items: center;
   justify-content:
   center;text-align:
   center;
  }
  img{
   width:
   250px;
   height:
   200px;
  }
  .title
  {
   text-align:
   center;color:
   chartreuse;
   font-size:
   25px; font-
   weight: bold;
  }
 p{
   text-align:
   center; color:
   whitesmoke;
   font-size:
   15px;

  }
</style>
</head>
<body>
    <nav class="navbar">
        <label>AI BasedNatural-Disaster-Analysis</label>
        <ul>

            <li><a href="">Home</a></li>
            <li><a href="">Introduction</a></li>
            <li><a href="">Open Web Cam</a></li>
        </ul>
```

</nav>

<div class="Main">

<div class="container">

<div class="disaster"><img
src="
wgKCgkLDRYPDQwMDRsUFRAWIB0iIiAdHx8kKDQsJCYxJx8fLT0tMTU3Ojo6Iys/RD84Qz
Q5OjcBCgoKDQwNGg8PGjclHyU3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3
Nzc3Nzc3Nzc3Nzc3Nzc3N//AABEIAH8AkwMBIgACEQEDEQH/xAAcAAABBQEBAQAAAAA
AAAAAAAAAFAgMEBgcAAQj/xAA9EAACAQIFAgQEBAUDAgcBAAABAgMEEQAFEiExQVE
GEyJhFHGBkQcyobEVI0LB8FLR4UNiJTM0cpKi8ST/xAAXAQEBAQEAAAAAAAAAAAAAAAAA
AABAAID/8QAHREBAQADAQADAQAAAAAAAAAAAAECERIhAzFRQf/aAAwDAQACEQM
RAD8A2RLG5YAWF7dsekBgCTbfc4QF8w7gaRucdYSarglBfna+JEsTK122jGyjChsCAbsdy2
PAt2AAFh0vxhxVAO3HviTl1BePrjwyG9v/AMwprFQ3T54YqHOnbg4gWY02Zjf3PTCfzMBca
O3fCI5Q66eAOffCSyl7G2jtbEUhbN6Y7X74Sw0jTGUJ/bDbOo2X79sJMpI0oth3JxJxQjdiD7n
CSgPJGFqjHfc/thd405H0vfAiFRRjtHthzzYzwALdDjrqei//AC/4xE0V7YQV07nb6YfuvVk+jj/fD
bkXte/64kZ8z/Uduhwr4hk/K33w4IdW62J7YbeKzWYEX9sSKFY1v6MdiK2XIWJE0gv0Bx5iQ
yDaKw2ubXxxBCgbgX79MKsNIFrnnCWJYhipA6g4QToIuwU/3x5+GHGDL0B8zdzH8m1bRoqh
RGxmUKExM0uDrV/K9Gm5UHIsSwCH1cXjyVSSCxbbJEhTtEzS4ZxyrZqWN3lpNTe3Rz4QGRSZ4Rw
CmA8kY+3aVDmddWz8sHWiOxmxvsYIMjhRWh+4rLBBJYBuCMpySVCeFmOeutilyzAAK60x
6dqxuMDVBDwNgiCPqwE4eonbWKsXRjnitgC+q14Ymn15SnB5qf7HXKUc86yeXQzMMczpR
x63GWjxRaLycFs1Nwq4eQtoAnkrhFQjDnkvigEtU0i4LHqCOA/JZ0o2LVrYIcewfpakFhXaa9F
YkZTNOdq0BkV6/LYgj9h0crPi+T+Ylw7jXnnfLSmUAaDpDqT2aLdkyoOoFKr1bJXeXhRCA4f0
ToqR9NHvgGLLQWLGwrHLngZvDcwgHr/VIPUOJJvzTcd/7LiaeupYzYAjpiwh04Jn9RBBzuAM5gr
eOOWx+dRUyhj9F0wjjSfvBYHjbUjJJGfaCqDW3Rv/iLIVoNB7V/ziTHq/ZpEj3uUhx9zzNaugV
sDUbZ3SqFWBBabiWK1/aryVC+Lk9nQ9tw/LpQh/A2Fu75OX1tXrZBt8BqNIGcsRLvQCAACP
1ZAAdMcYhDm2/tE3y/g7xtcQ3xU+uMywlLZDL2JoEIR6PSOaLqVs8iJ2VOfAd0axyMGXO
KYakTyMcG4JeNpJT12nAzfzd2Ii79bZ4lPkMpMGmm/OK3AZT3MNDfEeFmhbgWZ9ttHtthy0
J1OmiKj00Rz9ANPBN6mJ6jsO/IMyRSygOQU47gNiGGrMRcqnZNF6HAgwJk8qfa/mYZ2kMJcb
pJIFtMP8Pmhp0BGKvFy2olllBxXnn6hMBDQHk6C8jFsbnfp1UqhV0qSbPx0PsJnpFYhGPaLOXX
1jb7qb8NaDJQEsTIlfsxLBjmYBUbF6Ho6dSlV6EtFTqG3Nd6xwTWrImIUwjq1j5LHgtQ9/9
qNDEQZAMwsvqjbQPQfSYFIhvVDSTXSYCbMwsMI9oD1WFrWEsJfcVhMAHKh6Vn2ZgOH
VgUK94/h4Kv4NwsZaJ8C32UcDhJIW14XHtYt7yuZhsfE5bLCdPa/bsmjxQg4lqOOc/k64Lhhx
bH1xo3UhHEwrzXY0UMmDKTLrtJOKYfijXmKvHP3Fmvm0Ejq1fVKkgTqcd/D1yOFgXr
BNd+VWHBbk3fgGlfBmTIHEfcnOaILjTodxIUsv1jk1B6kWh8/jHrLx0HtF3gxs3QumyU/cX
G6/Po0AJiZsKM3bhE4g/0K6HnbYZCs0n6tApaTsLlOwg+F/Uk/X1ihiAs9fE5Fn4CCqwj
y0bE/Tg5Op/e3kaaz8+3bsqXN9q9LZ6QZqHe2/wBAHHxAD/FAw5h6jgGw6zcCJbEK0bG
eMA+Hxi16ds70pOLZ3I+Q/z2hGOkZRIO4/vfNbW9jSNvjDg3vgk8PNGtcpg6Fi0W87BUf8/
VBeIwKYRv9qx9Q3dgDtIJGFWbrEqYJEtv5yH55uhVLU53CFSw7DOnXm32F2Wa7/d/7c/
VdtCBjRc27ZWtSLMi1gGb5qYEasTAt/c9Gn6ocLUt8Xb6Xgn4wNHKalPQmaGAFmpwIu
H9Uso0h4wPzgOfrx2NPXOehKyLrUwGrxugdCPLjcNH8yr98qf0Bq4U3pYutTVbWNNkBd6
z8FqiVyvY2WbpgjsSsc6c2MTvPRtd/l38e+cIlybQVhGKUeEWbuaCa7MVk1bZ6jSNDx
jTcYXMq8dlqNGE2m1dptvJrqPLtbVqspjJ9gOPv/U2+aArR1Yt3G3hdxpJaxQKzyBsVBkb
+kv8lQnpSZzZ2B7LjpBfSdgs2jlUsYMtJRi8ujPGwUAHuGS2tS3FVKqsEhM9jHj/wgl/eX
dkXeX8eSCldTv4wbxjCeLH5X4ZbNFMjgwCGq5ImSZkqaAO7BjVyD5P55CLYa+2UD3xBB
v/S1IZFVCeLGm8WWnAXe5QlQ4hEkq2n3xEL4g1CIU3nkV2/5hzH0UG8B83SVRkRFtCmrmu
9vz/AbDw2iixNmpuwYH3fF5IF8qnmlS0MfYzsCnE0jQ1o1cI3uwPiQgWNShYdn0ApYLv1l
6RkLCzvSu2u6bRuxCX1vj1azRbrPxxE/lmbBQo3rOEkbpL7HR81UxYSbgP7dX1GUwrB
ZQhZQ7eJnlEwfVbcAxiyb7tlPOxQpsK05yPxvZdc43vwP3sHTYvv3zDIDywVvjvgTQtoo6
nkP0P6ezbe/fy8yIZJLHzbGnaHb5GOI3Nrmp12yJk6ZTAadKjaevohE4JFKNmqHgb4qqD
tF8bwUw4Mz0Ft8bc4S5AAmhvgQvjUHuy8l6DAxTFMH0YWXiBEmbe/DD/aR+nGoFyR
3DpoHD4UBtSCXwuH+HVB+NVqGkB8rbJUhzD/8AYhcSGfhmwh2CSN1cXAQg6FhV8B
MTB3Qs+5hcXMrR8rghg/2Hwuh+A58Avm64cd9CkNR/h9CqfNtKy3ZuWq3YbIMfmbjDL
E7K1A2TKxYNZ/dS8UVzlwRzKmG8uI8PQmPdbvtB7s3XNNiDYI3Hea9OzT54DGIcVNVm2f
LoqHm6jvW6xTMiZ+nNkdyzzYKdcPImlRrUVnpgytuDLgJ4Mq/CmzwRqnlYhhUWw8E1ziA
apyTXBVLLl+dVbPUNmx1amJPFXLkIoPs2OKcVzD26rSw5NFpvrtj/AF/2jvBQ2qB
nMvU7qGqdjj7imtWiyWKWHrcSV1yDbjLHNxeomuNwGvPMU7K+vk6E/W8RmWy8gU
nfMDePfl9v4LpXjkCpzyTjMumZyNGjNy0nqyD8unSHQ7ZR7Yx/9uUJ3FUjcg+Qoc
FLQ7E0pCPcvq0vm0bVSrJDJrD9iV6UpfqojuFbqhMYBGJ3+BTdHVe3YD5OjtHnIx
P5jGmohjiEJ2dEhTCwMZg9ZQJDgp/O5dTOYZmtKfD7M4AvZbe1/Zl2NjyvFV6fQ6
WBsR0LzOftJ9DYDvi+TgQOLZ9Z7Pz6T2fTAN5KrUtkXFBlvbv4GC5K6+GmzmgcM3Hk
Pqe1x8SLlDN9Ie2AWI6rn/M5HvmUw3Ekn/7uwoNZx3lsMSMaS+y2+u66p9Tmb
RLr0r+rnY4mHV9wnpvoM6qcqwJl8Dwvg+8LS3pR1x/lmzZJmeOxi1MsNlwM2ND
C/CalYzzHfzGZmrxncRQ6nRl1zvfbaaWi1LK5u4A3jSw9bvRhBv9V0O4nTVULaY7qb
mFvkZxIRbqebqSWPi/U73jpBhnySFSLHi6fXlugw6fCYJYf/K1Lrt/s+58wOePrMbD7
IU7cqm+zj3w1uk58qEQXoXbCDqAQJoFEbM7sLTL8IJQo9z3uTf+o3efKQAH4Dt25kHbs
pB5/DD3u/y8RwexKVqgl9hmdEb0h4J9L9IewxtKKZZTPUrJI1x5B75ZJ8aFP8ijc12o5ZLJh
DJC7SJFRbYt3ZE7/XKoaKK5f9JhqwXz62H6sHIqsy7Ul3s/JLxzeb3QAJlR/zvFP+kFcI
0lqzmqTFbnI2X3B94xJX8NxY04jh/c8e/ZAp5u0cv4vw9ppYunTBXoVLKR9x/l1UNhf
XMkaZKZ8uYvOIbAGNBi1FG0Xu4LvXMrY7tpPAxxTMrf8D0ZVOm0Tq4MrBs0dOsJ5V/LhC
6KnuqfvRyCwvlqTG+YoY7MkePIzUhvtmR/4Q5DA1+IMXKgyKvaDq45mSmIrvSh2EO+Te
ULQ7ynvVmNqbIrhUW/uQwlhDBXg3f9V6Urc1eVQpmvsvLzwBR+M1yJpBJIX8knRl5
UNXkxqLWvfsMngIf7gVGkHsO1uD3ypLVTZ7gGq0pc0+cIsw/t59dqsu38mY2Sv8Z2XQ
1qy5AS1lZmHdV8d+4R0t8MqxKwsaJj9tKN2uhMJX0d9Rpu2IX5WCnf0XZmz+Eal6wZ
vzeqTOcGq89TrhhqXYTnTHSPVS2SK6pE+RXO3Omc8T/CpzbmHb6iJxuDq+zb3p7
Ulpa3nFHq+aMQ77wGA8XRfpOMm/fvq+3l3xX1WqEtZrZP2RB/wm2kF5iz8XyYZWJ8Klc
wQdN2EY0Jv2q8VvMxd5vLqjv56XmlIH2/0/vlTDMzmahSvAlH9BcZvxUqvDQ7yj08tX
Pf6f5+NfMv+7m1z6Gu0nZs7vmr6Vv3VXMdQxXLs1pWlJLS4/j3tPhG9SFbdIovCq
/zw4MtwZs06lX4DSV7fQcbEtP9J9gC2Bx0x4VQxcnlvPn/gSNb5LVdFZ8RbNTjdDzV
lZ5mkWB8ZIgZxbnuBXmyI9lfo6xEKs3qEfKXtWxWBNqmjCHQU7l9XbUrhA6FsIO8eOk
vrpTUsC6n3cuZwmwVbmYzzHlkPF93DoHZY+HlkR8ZNeK4Th9fw2B9zpILsBgjAA7uW
FNxYf4Eqo0JP5QBLnMFGOJxq7VbEnzAkSSM8nhDOd/7Hxeztim+wuxDdHtn2Qy9
9wDhVuIqDuJK0z5+cYJJaSqU0ePvWSXXBw7rcKLsdbcXEH7fbSrEHR3sYqq2evS5+
WC4U5ovlGAbbAqmAIgQ+bx8FXDO6kpX7CBdRs3jOa+69Ahm7KUi/i7JNEEqp1J/D
VWvsSDMfh4mS5hmTvPfZBZd+k1w0DiXyDq6LIhQhF8+wzjiLsn91oeJxS9LhM8ay
dr14Xr2tmDoqvCvV7mVq8NDgPrBQ7ctIfNJbeBqyyxWhEi4R+8w0rKsLbWMnHl6RQ
AHDJktywnDFIMYWMpn5wXwbJd/hEx0k/AlpCh9kAlHSRtJvgHl5Hrg7pwk9I8Xvj1X
BeiFeyebn52cHSNvywvXtMHVqFkS2fUOvdF2xn96x6mlLrrHTDT2hPlmavBRWydU
cFsZW5nO4PCebwFufbH7DmjjaWCR7lZbb5VNSmkmxZOh5NvBW95WF8jKAbjlWbf7
vpYsYXWVwWULZDV/AJh2GWr9xPQEdHgj2YYFW4fR3IX1j4oVr1ywdTFQ8s3vcw3Uq
BMnwt2nILVGvQu8N9h8kBQAAdeZK7l6u+kgpDHzTQI2mkSLr7VXpX8xA6kkYfvHt
hLOpvQGO+Q4h5RdUSC+1RWxZvZlu3+EY4HiPfV/Zsw2Bpwg5ShBDVzOtXnz6dQ2V
Z5HsZ6jnlMnNz2R/aX8rMb+mf+pn7T+dK0VJAZnWVh8/z9/aIqvQSj/Lk3x9ACIOmlC
MmzhdmLWg/ZK6rfxqyGbYAVsKiO3sBPELmZHNjz/8L1YUZ7x/kuMnm0UtLiu3HT
wOdqXeO12JtOjJY0WfZVTpfcWxnTr7rt2K6v0RTVVBmRz0JqLThIf7+sNEHpfafG9
Yzq+Nb8OE5EWpb+ns2R2pIvSaBewHbbB1dCdxJIO9o7Ze9SGBm8OLKDT5jz/C/x
ZkUedpf0e5WJEH0uQJ0NHdOYGt1cN6HoEgAw51iuvpPXu+pA6u30S0OLSYHVOEx
VPi9YuFVZeHmoK/EkY5bAW6A8Ue0x8rBKl9aPXRjlBHaiV9Prnu9hXZv0pRoEf8
QhXsDhtGYV2PfMRMxFpSbD2c3GXNkQKeJP8Z1k9Cv8oE/p0d6ZyVbOZtPX+nsq
SC9RfiWMwm1nZ+S0dE6HfcGj0pQ1cu2pk7e5e4S0BeR0lVIdCTwZO/ipwRCnXYXV
EP2+J4sMMI5bs/eZUT4Tb6OuJj5GefWjnW9P0VTmTSr6PUTw8b54SfUGJvXcGf
aC+D0WrJX2OXzv7bUm9t7BGV67MeBDzJWuOTVoBOqX9L+0lI4/+yYAy5IvZlAC
BOamFnR0UOfRcC3YFEjuvpyQpWqAO2PFuBmpf4bSoH/1/U8HWHmmaZOdaf+J
HDuQt5NoM/bITYYXbh4tl/e8/oHnB7SwD96/KV84cNzT7sCmBR9mQfLqmrMJp8Q
mHeNwz7tVvQ9bHUMWAz8gZkx3ZgjxWDIUvTsLWVsCnNa3DpZv4STsX4/vC6ZHeb4
uUJ/fpbGbOVUcWr2DRCtuqHVv/Fk77Op9/8Xrj7f3GvY7F9Cc4Qkaiv/Bh7Ygp3hRXW
BsrXtgMthsx0oDXQjpGbxFhOTM4mQyVqEWZ8yAzjXUNqJjUFuzVPp4XfJ6JUx/Hgk
g5Mdwp/qHW8TTg06uRcS7vmRhd/4EnN6RKfwhN8kXnGcSrp8kIKxHvSJG7rDLDgc

src="

Ty5QApFiDz8v784ke8YZVPT0TVENFTQ0msLrjlbVLYgLq3F+vc79OoamyPOp5KVYKe
GJq1WaPQVUhbX37Dbp++NbqKimpqamFQzTUzjUkpuxsBqHI7X+2GqcUecSt6pllSP0BZC
oCnkhl2J2v3xi4zaYzVfFU+YS09XG0kkLESeWNQFuTfsMRIkadvKjUs2ojUdgp6/3xsXh7JKT
JlrnVkd5X9bTMCxXtftiF4uzfLPD8Mk6UVPPWSso0aRfe256/bBxDcmT5jRPDTOJNKqotITINt
/sb77DfbA2jzaopZ1khsqKR6RtcAAWuN7bYe8W5t/F8zMqQCKNNSoLern+o98BkJHzx1+PC

Yxxyy3WrZb4xonoYmrKOqacj1mOPUvPQ34x2BGSZ7S0uVU8ElIzPGtmIiJub98dhPrVfF2dx0p
WGKMTlWuypIAyEcdP8+2IuX5xTZtFHUpJ6ZCVOrna/PvjM/HniCeKSSCSGeOqa8ayFio0
d7cNfDX4V5xGJJ8nqZNPnt5lPqfluq/Ww/XBz41MvWvxU8yXIcMqm4sOLcjBBR5iHizjAullSO
RNbaX02JJtqA6H35wVhZGNg4IIujDr7Yy0plVVpBm01MxIdJEQ6tgSwJUf/AFxn9P4Ln8Q1H
xFE2nz5/wApP5FO/wBx+98ab4hoZmrYqqBwgsYnuvN+G+m/3xRvBeamjzCsyqsKmenlZ6di
wBY6gbA8A7fqcajNaBNVfwugpaGmph5ccJEUer0uQBsTbEWpzWelp4o0VjmFebRgWYqo3
ZrdgP7d8Jq66qn9JplCmUlSr6h5R5N+Ob4hVeYUlB4jpFzEJEZI3jimbi5K7fWw+2ApjZBCzq1
Tmxhq99KqoN77k2a++3PPPGFI1fk8bS186T0oPrlRiuge4tsPv7nEaRpjURh6ZZllNmcKC3W
59h/bEzIpRWUc8LaZoI2sjk3LJpG2/Tnn2wpPrI4q+j8lnDRSreM3sR7jodt9ucVKopqWOlbK6k
mKYMzaFWynf8y9jfcjr0wd8PtJHQz0zlZBBO0cT6f6B+W9uliN8DfGGUSV8S1NMBHURFXb
1gD0nc78bdfbAnZZXV2WUNMJY3zinjqFjlmEt3pka4JZWNyL6SLG21umLBleaUVZR/HNA0
KswBSMgKztttta25J69ximz09fDNfK3VK6qg8yONXBScWPocDYjkqenHXE3w/m3x0c+XzwN
RSeV5lXcBdLjqOt1sO21ueRWJJ8Sy00s9OJayCJIrMXlcq5vYKoHc789uO1fzrLUqYTUxMa
mXy2CIYi67qAWAVhvYcg/LpglnKyfxT/+5IZKCW4SWJt9Rtsy229XXscQqLJ6TLKE1NPmMa1D
Fo5IHbaKfm1jupOx+VrYYKzUVUblYTSwxIsjsdANzfgMewthiWEaDIL6QbHa1sTqikq8sqG
klDxybh2OxIPPt+/fETypNbwl1kUMRrBvf3H2xthovh2XIUySjWslgSdY7OrEA3+WPcUZcviA9
VSQeeMdg0Vj/Gynhi8RUr06RpHJT39BJ1HUfV9ePpigUVRLSVMdRTuUmjbUjDocHvH2ZL
mniWqqEDhAQi6wAdhvwB1v74rY5tjWg3nwf4mi8RZeplslags62G5HVfY9un64s+WVRdzTysmp
WOh+NugO/wA8YB4QkmjzFWgeRWT1KEF7sOAf1/bGz0eYJPFHKYjHNa5Cbg+4xzyjeNWiqiS
eF7xh1YeoD8ynuMZR4syiSDNlnkRzKUCMIQS0ukEq6G1ibAXW4Jtt0xrFLUDyUYuLm
w2HOIfiDJqTOaUx1UJYAfnU7oeh24wStVR8qzmeKjkankgrbadMeoIz3sPazC++wvsdsIaYeI
G8jMqKamnW2hJ1C2bsrdTb6Wwuq8O5pl00ppl+MpmA9cjFm53D6iDbfobe2AK1aQVjRywT
RMDoQUySOsiKOCrkgb9QD+uNMrPNkNZKVaorpkp9O6MygkdexA+o64lVeZUuWUEdIiiNZbK
HHo0rfgcbkb9LD7YqlNWlLVU1KtG7EBpag/zWUHgbsbf+63BwQo6eXMq2mqtTyBXGlgdS
RDm4bq3vfriK0ZHDaGtqrtrlnLAXvawAsPthyupEnpagn0ExMpOm7C+3/OJyLHSUwRAViUeq
x6AcH69ffA959mgMmmSdt7EEqNht9dsZINFNUZnFHNZBU0EaoHVQoktbe19r/wCWw/WyU9S
KisqU0vV07pHMovpYqR9+mPFmjp6xqKlsGWFgNCHvv7bm/XA6vr0monSVC8To4AHSy3
46f8YQk5PnuX5tKmR5nTxJUvCyl9fD/wCg7ckHgbjcYqXiwywAep6eqaOJJoZltqcLp1XI3Nha/
uDc4IZdlE8/iTxAadFSWngp5ohKgAR7KVDkdDuDtve+IvjCpXPMxzCaCUq+X+TCFl9G5J9R
vbrsPa22NSes7Bs7YzZcrOxWQQQ/yWFwzG+69tucFqXJxT0dN5kRZ3lIMJbTvax0kcXw3U
U8f8dpIqlVBanilp2XZSetubjm3yxbvgPiUkXUYyHDWvYr8rYLVIzLM4546+dZ1KyBtwDxjsalLk
FPNIZdbevf85x2Do6Z7lPhhvEUtXmTTqQzO4jYXuxJIBIO/O+wwLrcnq6CZo2po1SIhiV325B
vzbp9DhvIqnNaOr/8MmkSRzYqovf6Y1n+HTeIcgIZxTZnp9M2m2luxGN26YkioeBqJo5xmcZh
aF9nCi9xfZvbc4vTQT0yxzUYikike/lk2AJ39B6X7Hg4pgy+s8P5jFJXRNTipcRuscumPXfdw2w
UnY9QeMWiNsxoqueZJoKqkYDTHcq7b/1dL9AdsZvrcWijlaZADYJbjtgjCZktpYuF79MVekzF
pnJeKSAk6WBZSyntcEg9O2CMcqgD1tIBwzP+XGdNDLl3a7QAf9zGzfTbAzMMqy2quaqmD
G9zci5+ducSIqhwbSysE4DSNcnDzSR2tJUQMvQ7E4EBDI8qjlWSGkSadd0LqXZfYX4wXp4
vJQMxJkYCxboO3th4SxgARuCP+0ADEKqrIotbl0d7dG2A/wAtiRusKhHj3AOlmI/bFTrq7TB5s0J

Spq4wRToLbF1W/tsb/XBurrxpaVpEMf8AUzXOnva3OK1WPHTztmlVIjTwySR08en0EcK99
xpI0n57dNtSCotRPLDW1ctW0kTJSvVrGhW1OC+kL36L0B747KJP4nlMsRmihdojpdxYISLaj
bkDj6YrT1MU1ATV21yQsCEOnUTLfU9va5F+dsT8jzWGKwqELhi1LLY3OlwBqHUnrwb43rx
nYuGam8b5fUZfVsaSso44mkC3EpjFxf6gfe2Kf4inNVMkb+qaEyvU+UpBJ12HIFzvb/Di4RrFP
lEMsckNTVwnzdUyh1QsdyBsNjx2t7YqGZrVQ5islYWpviVMZnIuwJO5I547fLrigpFZWJLHSA
zNM9JQoIZYx+T1MbG43ILAXtjWsidKrL4KoaNM0asWU33I36m2MNhLU0tRDEBL5lowQpu
29xYc72G2Nq8FZbLlmXLSs4MWpitx6gLjr9/0xnI4jqWRQpG4x7ietKrKG9Jv3XHuObbAMpmj
oq6OVtQIbkf0+9sa9k2ZwsyqxRybWdDz74rFT4a/itQWgSIi95D+Ujf5dx9vtiTQZPPljSeiASp6
VCsbd9zbnHW2ViSxfZYaaup2jljjmiYEMkihgfocAKnwhSmXXR1NRSixUxAh0K/6QDwPYYkZ
PUgKVLN6QLav8+eDCSCQbX9sY+m1JrcuzGmMiVRkqqfdkmESysvsRcMeIrfpgfT1JYiKiq6

eU7Dy3GhifdSBY/U4vdTdLhdmbYfPAesp6TMKgQ1tLHIGW6sV9Q9w178Dvh2LAgmrcFJ
oBA5Iu6IbEDje4H64dEtaJCiai4ABUIurdrDbpfDceWPBmrU9BmdTElgfLJLbb7C/uOuCT5d
VeeqST1GoqslllFvSRe/zvaw74hA56ySZqZT5kcctRZfKk/mSW5J7KACTwNuuHYc8y+rWd
mAWnh
GgubFiTsLdbki22G8yo6ry2gWv8iCNVXyI4wQ5b+km2wsOm2Gj8H4WiiqZYjJUyqfJgB9C
bX
Nzb5fp9EieYvT0VKa6tMUFKia4lI3Vr7E35NrWHc8bYoPiCqjly+jgy6PRK7oszFt5gm6697b
a2
56H2xP8UyztFeokLVMhBUb2vfjt1/TFZljAKRsbzEkSBbnU7flsTxzb6YZGbSc7FLTVNaYS
r/E
sGjjjQhI1W+q19+dh7Anrj3KaX/1FTNUBY1pyywofW5Itb2/XERFcJWSpUBDD/JFwdTMw
N1
BHQgN/nLtHeqrRDLEmmql84xqxVFAVibAcWAJt10gcHGgPxs8AoDUjRpRVkph6CQD/AF
bc
Em9utuTzgNXsauaCLW08vrdtPpvawuT02B72w7mlVGaJEapd44xCdY1AoVFitu3q25457
dS
0VPUZxWv5E/wuXRTPIDKAwIBK35223tfAglI46TMInmS1Mrx+ZuG9z+xxvmUkSKjLpdCt
0d
WuCMfPUlQs1K+tP5hkTSRsFAUg/uMbR+Fuax13h+npixM8C6Tqudr2Bv8A5xjORx+13S
RVULuLdN8e4UIxbfHY5uj/2Q=="><div class="title">Cyclone<P>Cyclones are caused by atmospheric disturbances around a low-pressure area distinguished by swift and often destructive air circulation. Cyclones are usually accompanied by violent storms and bad weather.</P></div></div>

<div class="disaster"><img src="
wgKCgkLDRYPDQwMDRsUFRAWIB0iIiAdHx8kKDQsJCYxJx8fLT0tMTU3Ojo6Iys/RD84Qz
Q5OjcBCgoKDQwNGg8PGjclHyU3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nz
c3Nzc3Nzc3Nzc3Nzc3N//AABEIAHsAvAMBIgACEQEDEQH/xAAbAAACAwEBAQAAAAAAAAA
AAAAEBQIDBgEAB//EADgQAAIBAwIEAwYGAQMFAQAAAAECAwAEERIhBRMxQSJ
RYQYycYGRoRQjQrHR8MEV4fEzUmJywiT/xAAZAQADAQEBAAAAAAAAAAAAAAAABAgM
EAAX/xAAlEQACAgICAgEEAwAAAAAAAAAAAQIRAyEEEjFBURMUImEygeH/2gAMAwEA
AhEDEQA/AM3c2xI1oT6hhuPn3qmIYRnUK23eu3NzJKpaU+I7eE9MVSCqxkg5OOnTFCNp

UyYWtw6KQwDalAB6YFF2g52h/wBXTOKDtoGkGTvtkg9qOhJiVSu2+1UoGhwV0yaGbxKo
Ax8KEJZGZdjk7+lFFmeIysp1gDOOnpQQDNMT2JBp4u0GcaevAQJUWYZGTk7nvTXhbs5V
ApxjI9KXi3ZpJAepJwaMtYzy0QdX3OnbbehPeiaGk6rM6wtMsiCM5SPIOcdT86GM7WkZWX
Jk3khCHxOfIj50dYwxRAJEpDFgdXp8K5LCVVrgJmVY2C+fTONvUCl66CJLSZZY76F7hFbl
PLyyG040nZfMk4OfU+dFeyZb8BbNIpBMIYrq8m64+/zrs/DY14YLiLEDCMq+FGZidjnoSN89
aH9mI50sYTbkyaY9I/JLadz1xjIH81NPq6GPolnJK8fTc96WcsRe18j8vVIbCIOR2/Mk0/8A1Rn
DOIRx8Nilu43jJGHkGHUMOuSOnzApDDxG2g9q+Iz80/h5bO3MLs2dR1SDw/P96dyGG97e
3A5gktAIh7pV/GdvLHXPrWeurjEhYHZjTi6uBOhKYIbpSe8jTRoGC3pVIiMX8SnJtpApwAMn
Hes5czIFWXmLgDovn8KdXAZAyMCQR5VlbuXW+kqECnAJGPvQmKRvbh5kjXToKAr067nF
LDaq0pZpGDJhmVRk9fKm93qOl5M4U7JjB+eKDgSOe6xtrlKqMDf71JlEBBVSdmiU+PBGrH
U71fCY55DLbvI00Z3fTjV6ftVN8zz3KiIDWIkBC9sDvU7dFgs5WS4ImVlKhR4NJ1AkeoOPrS
PwEpmtZp7Zr0XHjjI1K253OM0svNbSAqS3hGonz9KPlu2aM7ksepPehprcqw0q7ZGc4pYxfs
409zbQC1Lxl2Z2BBJBHqKEs4uaSr504PSoxuxSKMOxLPg4+NNOC2xbwsNORkE9KpFddM
57LI4Si4jbdtvlVpRo4NL4PiwCR2o6WBYRqXxNjY+dBahcSBJyQ2rGB2ppSUVbDGDk6GSo
sUKyJlNLRjr0JxQtkNZZm86NmgiSAJGhWLSWOs75pTHdBG8I2zsajxsne2a+ZDolEbB/f0np
0NMLR0dUbBA07jzOTv8AtSmNw6OGGCW7UxjOkRgHHh6fM1rPPoe2si6lOOpAqnm63Gr
YKc7fA1RbSmMAnsc11SJNOkgLqG+fWici+Rw9szSDUAjYX60J7E3XK4VZvKza2BID+WTv
869cyJyGUgElGAH1pJ7N3bSWFiBGY1VNIB7Yqb20MfQ7m4EikDYem1ZeHNv7TXS69SNZ
KyAruv5jZAPluPrR/wCKGgZPas7xy5ltOK2N0hB1q9u48gRqB+q0AjqeZYo8JhR2A2xQDzHBJO
SahbyG4hYyDJznJr08WV22p0K9lUkhkBB32xWM9oR+dqiB75rSzyiKQozYypIrK3lz+IK46
Dr61zOJSMeYqyE6dS6m7bjahZ4szbkhhko2cA0UzI842xHqQkg9P7vU/aa0ezRJUbmI7NuP
Q5qDkk0iqg3FsHES6kLEJkDX2+NURcuGK7igcvqRQ0e2FwwOf750y4nazRLHJPp0EAq3fGNq
XSaxaHlFUGGVyy7sNulKmpbR0ouDpi+UnlDTvjfAFX2PEDbwlJELEtnpmhW2TSrEBhg/C

r7SYRRaAqSYPvFwtMxYmhtLQs8Wc+/npsN60lvCFgAGdRycY+FDWCGURl/Cc9BTW3t8K
P5q1UchdPrXwyNoHbO4NLrOV/8AUVGkSFXwABtg1pb6zWWLS/X0pR+GW3KhFLSBsL61
DPuDNGBVkQXxW3d7aV2O2xG2NWaQpENQySNZ0n0p5xFJpY1hck8v3l9cbUCYirxO+dW
e/oKycKT67NvPim7LUQ8tWA/Vt8KYY0wq4zqYZ6nzI/xQInGhNQ3OdODVsMxbljK5AOcdvE
a9FM8loOilMsqKxwCRk0TM/LQhfdVhkee9DHSEBG5G9RuX/MmXplzt86exSybxBCGwdxqP
aspZXL2vDMI+6OVBA6b9/OtJNNoRSAQdTYH0rPcGeB7SZJlDLzSCPKkbp2Evj9o3i0AjWe
4Oc1RPxNuIT2pYDP4hRsdhnK4+9D3vDORKkay5WQ5jbuRVktk1tw+R4jmSLEqA/qKnVj7U
PKs419qmIiM9BXWOEI7mquHyrPbc1Ts0auB8cfzU9Weho2GhXOoe5CFc5Vh9qy3F7JLbP
KyfiftWxnUxyAseuf2rPSuOaxkTXnIZW7Z/5rn4OF1navcRySMylFCkqw97qMUbxy5F5CqMBr
WYqAvurkDf16GqLbOTZ8wQwk6nc9dPkKuvLeIcGdoZGSWOcMW26Y+9YJusqv5PRhG8D
6/2M/aOa5S3V7lSWkUKCAAo23GMday+mOe2V2ID+JUGc7VvOJ8CfjnAeGiy/NuGUN2CnK
52rDXHDJLO4lgIjN1A2liGyqj08z1o8VpwJ8vc18UIJHYDem1pwyG4i1toUg4wZAKVzKT72M
HtV8vEgkrhUGknIygNaGZUj6JwtXlKO4wAafRKNIwBisdwbihYJGdiT5+taexlLooHY71RvQYx
CZ0PMI60C1szzBVUnLDFMJQzePHWuW8nLmRTnxHFQytuDo14a+omzt/GLiNpIywMa6W
VhjJ8we9Ib8hVty2cjVnv0FPpYsRShhIxjI09wAfWlPE7T8u21qF1cwnfyFZOPHpqzZyX2jYge
WQxRhCcFj67bUfZYSNNOnJHaloVwkY0kbnGaIj182NVO2+47b16SPHaHts3iGo9fOu3jl+Y
VAPr50OhA05byopjzYmVfd61QmyuOB5wmc7E/DtWbtExz0aMriZlbI64Pati8ixRgasbdqynA4
2uLJrpy0hMpYevQ/zQ9nAPEZhbpEisomDErtuAf6ftXLbiU1wpikGS3hBzirPaFA8sTqN1GDSq
2YwzoNO2ep7ZpfBxsvZKZzwgRt70eq3O/wD2n/amqoVBLHYUl9n25M3EYnYZ1rLt6qP4pm
03MUBTQQ5XcBnbJOR5Gkl9HgY6t3NaAFQoBwWJ2rLcaM4nRtJHme1dYaFN7cSW84aM4
I6eR9Md6MM7f6e/4hlXmKCAoz3oCc/i5o1kfSCwUHGfMZppxCyC27KfEIwCGAxpPl8DisOa

SU4pm7jwk8Umja+zUskvs1a8ps6EOh9WNLb7/KsDfxst3cw3UzGczvqZcEHcHOr+9a2nsPd
SN7IssceuVJWQqcZAzWd9q0j5iLDCugzuTqUnGetZuPkUc0sf7ZbPDvgU/hGLukaOYrlfe2IOaKi
sg6BluYR6YoS7ZfxUiDs+wq1Ypsbq+f8A1r0jzB3wphGkecq+TkHtv0+1brhGpY9Ug07+dY
WyeCaVYnlVGMmzsDjGdz61r24zBa2wtbaMXVwBl21YX61nyZWmoo24McOrlI1lnEJYiX8IH
QedCyRjnAqcEHZjWei9pbwWzc6wjCYypWffPqMbClsXG+KXN2/ISKYKBq5UgOx3ppT1oW
LUZbN7a8sMQ+GJOM5z8qWcWhjjRSNOAXH1GKxiXdzYgKxSORAeY6plk9Tjr50Fc8Su3cn
nmVUbdgSM/Wo47TsObkdo0ka6+tI5JcKgOOh8qois1TJZeg60m4dxqWJdEpz2BJ600bi8V1
FlZxHJgE4648q3wnrZhk7ZTJcxw3LRTsIxrHL1HGoHGPvmibG+huIz+HbJwcg9RSfjktnxCMw
sy8xDkEt3oSwvbOwj5PN1FssxUZ38jR7imj4hfJFAy5LS6NsdOlLuB3tvYcKjilmVWDai0g7Eb
Y8+lLL2eGeKVlZSeoOM59PWh7MWCWyy3QDs+CY+mkA/Tfbt51KeVrY6oaXFr+Idn5qCPO
oH0qFnFDGdBYSKxA0YGxHf9qFnvLGVJVSGNAXzECwJHz60Nwy/UM5BcYyATk57+fpU4
5JzdnLrQ/lj5ftFBHEcRz24zv3U4++RTmCNo4tTggZ29ayd1xAQy2V2ZFe4XWhjB7MNvuKjc8
anlQHUYx/2g/etCTa0dpeRh7QC5d3NudWn3CHwBStL/iJcC7RJ8nDCTDah5E0tn4nMNWl2
OMdd65b8Q1/lzEquD4lFB6Gi02aye34ZPDG1twficUiuC6qOaox7wBG/Xz86Fm41ZzW15bP
FIkzLojyvQ9sj5U29nuJSrbs9vNyJXwplUg4OANWD8KjxVbm6sL+abibzRiAzEiJAHO+3TY4X
O32rzZzTn+cT0oxlCD6S0xZ7F8Yj4TNLHesY4ZxzYwULb6irYx8Kv9t+IWZkt57KWJ4CWSQ
oMANjb54FZ+3a2kvYI7uU20C2+HlUKSfzCwx5fvQfEb6wM5hshNNArl1ebAJO2dvLaueCP3
X1F/hNZV9t1bF97bySf/qZSqSk6G7PjGcfUVeRNsWdiTvkE/4rl3xKb8MkIRVi1mQ46FiAB9h96r5
00YAQkLgHda3q/ZiklSo2y8FtG4g9vb3DrLGPCrJkvkZODS/8E9rkssyKXJwRqOcdcee/ald
rezRSAyzSYVwULlhp69D2znrT5I+KPa3BsuKW91bSRtrJmHNj2Gep9R96g8TXsdTB0vIZbR
7fVPMmSHTGMAeeOnwqXCeIzq8jLyVKLpwqduwJ3/uKFsbSO1Ekt7eQKtvjlVslsbk+p6+f1rPTX
v5zzxaocsRpXy/v0pY41J0hXM3Ny/DtAkVBEcHDaseLoRms9NLBIxfLHPRAoGr1JpTahrqMyyP
hQ2+T71G85EjRc5QHAZsZ6/Wn+lHH4YqkziQADXKSr4GBr1fOrrZoo5A7nUf05O3770
LcyKrYaXUvmOtDJmIgsxfum+M/70yXbTOY0n0TbiYxZ64g6eeGJqh3sVVYWnkc9MiIZ+uftV
MN5IsOnlqoJOTp3+dRkkQlNar5gacfWqdQaGIjtXQokqg5yGcH6bVdDZJOPA9qmOgMuD/v
WbmmaOZjGhCg4OeleSe4Q6tIJJG3nmoyxsFI1Q4JHOFdOI2WWOChlBwf78aglnNbnlpMrk
HGY84+W1L7V2Cvy1Lso1aAfr8qbRGKXpHIxyAEJ2jGAScjrjpSNuPsOhVLDMs2p4ZWKsNi

vbrRF/avy4yoXQ+lcHrv29Ov70zWNbfQ6MElyuGYnKny3+Fckura5EazN+IZCVBxjfO+3nvT/cSA
0LYuEseXGW8bncnz6Db44p1aey8rWwexeIzFSS7j3Rnt8gfrS27mWO4kWKKRAAGAx7p
PceXf60dD7QfhlVCwcgFSzjIwfsfn02qTyZPQEiNvwmWzVjdXAEkYC6ZTgkY6b9xkUuvJ3R
WWKY6SDsGOwNdu+LtetNLdG4IBGlpDjG3alcsmtsCRyf8Ay270ylJ/yCpyjqyibJO5Jz61SFU
E6wxxuQaNnDxxIzqGU/qNTe3RocmQAlfl9e1WUw+VYLfCN5I8IIYn2ORn51Bh00yHpgg0RO
git8LEwwclicnp+3Wh4bqONNLRk4OxHlVH5BfoEa95QK7uT1OcAUxsp4/wDFlxcklTpByR2H
+aRtE2nfoCM0fKj28mEyJhKwLf+WdsUZKxkzrDVcGFzgg9D1Wu8mPYqsj6z4eylvSrZzpbBk
XU/iZyM/34VFYjNDkTgxhj4NtS7Z+m32pJOgHXSZNKsDDyzjSf461aAwAGzZ7kdK4trMyKG
QFRnSGP2zXl5cbaHJI7Df7fel0ElLB+JQOkb5DYYbYom3snjh/NiMkednDe4fP0rkXEbZMaE
Merw5U5I8v7mqJeJsk0yaXKlsBdZ+RzudtvpSycn4Dot4raJFYG4iJDBgGTVnalKXJYrzN9Oa
d2yQ3FlKkjePT4VzsSMYrNsrR+/swOCD1FPC6pisMaMtJ4mPLO+B0zRtlYXF3GZBF+Uq6h
qJGvBxgYHpj0pfDL+UVJ67Zpvaz3Jt41knAi3Eak6SMYHx6HrRm2loA8gt7WCKWNg/I/S7Nk
spHcCpS8SiijxCsfLwWYLgYb1/vekNzxEpALUMWI8XhQeH/NAtKG8TBg2NJ8RO9ZlicnbFH
L8R5g5q4EfvEdNJ+nrVMs3IYNBEJEbxDHiAJ3yRShbkhgkupQQRjudqPsTNNqMQ1HBLDS
MA7n64+tUUKGSZFrqVneWRiGJIGts4/u/wBauljQMszD8s9Cu+CR32qYGcwroklc5DKd127
dj1x/xVNvK0NwTKuku36sjv8AUdKL/QWifLtZrd1e49watxt16+veizw+4mtENph416nAB6b4z5
YO1WDgrTPy4uXytB1KrjBO4HUeeNv5ptarI8eLqczSbZVm3GMY6bdalKSSOpC9bBIrFPxCgM

NmBGcHBx07VybghubONrBl5mTqz+keee4/mmbtEgVnJIyclx4dtsYPXbag73isEjCOJViTJ2
TG47ev9+NJ2l6DSFsnDJeSyc4SNGMAAgLt0379c/Kh5LG4gbQ0ir3Axnb41O7us4RmUZ6a
T9sUEbg571eLmxaBm5SW+kxrIAMdSAT6jvUrx2EzTaiWfSemwJUUOjNrwWJBPQnPer7liG
Rv1LGuDirDFSxyP4SCztuD+3yo2C6whiA5bk42XHwqEzvHboUdl8Y6H1oSXJZ8knA2yaV/k
cF3khU8gyAsjZV0Ow/32pfJjSdMuSDttkVc3/ST1P8ANDOAoYjYjNGKASgjZ5kjI3Y9SKassdvbx
5KswfL4Gd84I3qjhgA5cmAXUNgneqXdjJKM7AZAAwAaSW5UGh5wRVu35aqV8DM2VyB
/TUuMcKGtrgBBbsNwu7A9Nh6/4r3BHZbDKsQSG3HXtR88z3HDnExDfmYzgA7dN6j2alo
5o
yv+nThQSpCdV8yPOiLmxZPE7JKijIQHrnp/fSi7lmDBQzafEMZ+NL52KRAKSAeu9WtsUr
BZ
Y3RgpJAO2+KgOYwI6L8sj41RI7IQFYgE0RcbS5Hw+VUS0Gi+Fg0kSxKso/VsTkd8elE2
81x
FIojM0Qzhsp9vjQcLFBqQ4JVulHwk/mEnJ1jc79jSSdHXQbGVQ6kRVDjIBAz1Oc7+YoV7
oF
w7NrJbJA36/wB+1Qv5H/D2zZ3kB1eu9VJChv5FwQu2wJFTr2cNLriKxRKIJsyNkHA3/wC
Dv
Qsd/cMQULDD6tLDO2xxntV1hbxNdOGTIWQYyem9FcWVTApKjJXJ2odY3Q1FXE+IRSB
A8
519QqnIZiPXp8qEtNN3dFnjBKADOeoO3XpQLIuqMaR4gc+u9NOBHXDMjgMom2yOmA
aM
koqxZBFpwZYZZGviI0hlRdBXHMBJ8Rz0Gw3PrRcFpw+JCj29m/iJDSyFGIJ8lyMUTw2a
V7zxyM2pTnJznANAX8rWbxR24VVMSsQUB3PxqTmwJH//2Q=="><div
class="title">Wildfire<P>Wildfires occur when vegetated areas are set alight and are particularly common duringhot and dry periods. They can occur in forests,grasslands, brush and deserts, and with sufficient wind can rapidlyspread.</P></div></div>

<div class="disaster"><img

src="
FRUYGBcZGiAaGhoaGiAjIx0eGiIeHh0aICMgIywkIyApIh0dJTYkKS0yMzMzICI4PjgyPSwyM
y8BCwsLDw4PHhISHjoqIyoyMjIyMjI3MjQ0NDIyMjIyMjIyMjIyMjQyMjIyMjIyMjIyMjIyMjIyMjIy
MjIyMv/AABEIALcBEwMBIgACEQEDEQH/xAAcAAACAgMBAQAAAAAAAAAAAAAAEBQM
GAAECBwj/xABAEAACAQIEBAQDBgQGAQMFAAABAhEDIQAEEjEFEFQVFhEyJxgTKRoQZ
CscHR8CNSYuEUFTNykvGCQ6LiFlNzwtL/xAAYAQEBAQEBAAAAAAAAAAAAAAAABAgAD
BP/EACMRAAICAgMAAwEBAQEAAAAAAAAABAhESITFBUQMTYSKBcRT/2gAMAwEAAhE
DEQA/AKOFXUpCiZ2BJm8WnDPMxoIUnkPkDb8sL+FOQw3KgyBhrn6MBoUgGGB9Y/XDl
UqPO+aE+YWFA7z+/ljhKewiTYAYlrIZjpbE+WpwQSLCD8r4votAeXTW8bCR9P16+mD8mzV
KmlVuDMTyWJvGNZbLy0wbnfmJ74suQoBGJCruQwG4IHQdb4iToqCtiitRqEkMpI6atgZnEu
TePKFMm1+2GGZqHUTsIH0wNliDLAzB3/AYU65CddAmYSnJDCSTzE+3bEuWyihwQDcAg
wfljrOVEVja+5/DfGsvmyLAEHlz9v31xMppcEqJZclmGpMJLQYEW/CcNamaDLYNHoD+ePP
KnEahY6pMQDf+2HVPjasoCHO0c/ffcG2D7BquAvMvqJhWtv5P0wk4mjSCEBPAh6PcY
hh+e2PUn+z+WpAE3JNwb+gEzF8TPwehzoKwvYBS3tAAiO/IYmDBS3tAA67432egvjkeR1HvIUAiO/IYmDNZ
oEjt05jHqmRylELpLjtSxULuNU

RtyE9xbDDM8JzDKHakwkRJG8f2x6dl8tTAJHl1X5iO8HYWOOqSLUkCoDb+awPqMb7Feg+
o8ipcJqNdabW/pPvhhlsrUp1KZqUiyCZVwdjflHrj09y8EeUnewG3eb95xJRrB18jKSRc+WF5fr
13wOdsfrPPeKUUrIPDoQdV4U9xJPrgT/6drD/0mHS0dIvj03MVCCpDoOo1bkWjym3PryxFT
ziCVHmInyl/7n5G+NnWhl8alsoFL7N5mCHQsotaCR39v0wfkfs3X+8pjqf7YuWXzSrplApO/na
Owk25bDEOYz9PWSdTKLW5cv8Ab264ykQ/hjZUOK/ZlaSmsz04sDc7nrbFSz+caophAVDBb
nnyA2x68mfpsI0kdJUGY5jl8sUj7S8VppVFM5ZatKlcQD5Wb4tVrjeRtI9MR8n91bNL40hLlMjUS
mf4QZgNTBW2VjAYmTvYjqJjbAlfNsHCVFUPJMR8p68sOOF8SfLBgwMksirqkksJVion4Vt0
3HLEXE8uXYVq5SnqYowVfPBFmsJJk7jYjEOnS8JcUxbkPs9WqhhSUFtOqJ5Wk853/d8R5v
hXg1HpZjytsjwdO12/I9J9cW/gWep5VAalNVpFLMPNALWkzbzE2Igggg+WMF8X4jlc4Up1ad
RWqMi0mIsFZgXYdPKhG9wOWKqlVjgq5K/9nvsO9ZFqGpFLzQVF2g2MdDyBxJn/ALLmiW
pioCEQu2weBsAmq4uLyN9sX2plFyqKFqU6dNVgKbEi9hPME7zirisalaqFqOzqCHCrU0ByC
bGC5GwAgeYmJAjFJ0dMUedVkhiHYhhY2PLbftjMWfJ8cZUCtTErK+ZQTYkCf4fTGYaiTSK/lE8
zIdwbm82ta2HK5dgsEmDFjy02G/thVlmmpqPT19Pzti0+HIBxVb2cnyJlyUknE65WB73w2p
5B2vGCsvw5jvAjHS0NMTZbKG45H9jDVWKKTyCyO1r4a0eFkdMS1MgAjlgWABstiewxLoU
mU+nxF6g8lPyD4iwtvEfu+BRnalU+WbyIBUTbpviarw6oHNNTPMrJIAEmSeUC0jE+R4UgcS
1uqAlp6aTBjtfb2PNpvkUhLVmQY1Ltcn3/AH6Y4pSbglY2vf2+eLG/B2OopTDj4iQRsLgcgux2
M9cR8P4c9QvppaSPMYgQORKtc9ZEmxxlE1C3htBXZBVcIpYBp27E+4Axas/9mf4fi0oj7gm
2iCAZMwTv2mPStZmjU1Clp0mfDNo3OmDPXDZ81UqA0nIYrKmYBUCSYb4QAMaqNZvh3
EkosrPTbUJD8zBkSLA8uvPFs4f9pctVhQ7IxIWCI3IG+3uYxQMzTgLpYSRc61PoSBty+WOf
8OVa4gi/r3EYMaFSaPVa1MbIgMX1GD+uFeYz7r5ACTaFUWI9unTCTgvG6lN0BWKU+ZFX
kYAOo3aLbmeWL/RpoxDKFuJEdDsZxmjpGZUslk61UHV90hYby2A7RJE4eJlQjKS0QIAMB
eswN8HVsrqMsx35fhgbM5fWPhEAGA23qe2IxaOmVgWcyoqyGqAobwo362i4tvjrI0qKaWDe
TkdQif8AaBywqd9MsKhLFrnkAuwHa+N0cq1WCvIEbRA/f44m30Viuyw/4ylrJEExckAC+w77
YFo5osTFNfDBtAsTa8bDrOOqPDVpoTUgnoNvlz7zhLVz5d/CRPKTyt8z9ZwttBFJjlc1TLkwi7y2g
SQOY7HriNNFQ6acre50i49rDf12xxk+FokhpnnGwUbCWwwDqtlAgbDe/Xfod8O+za6MXI
U40lGJ6wfx29sar8Lpjdmk/DAFrGeXPGv8yLNpVZtJJFunLHWZ1tTbU8h1KnTNpm6xeR1nF
J+EtHm/2o+0Fdy1GlTZFVQzM5833SOmkmR5Re+Ev2UGZq1HCqxBTzsdQNyonV1uLEib9
MMvtFwU0aq1FchU0hnJOosdRNTrAA3HMjvi95PiNBVfMUpK6BqOymAZ36/iMFKznW9lW+
yXBlTMipVs5LIFMkBpYSGM6tiJHMgc8XTiHCaVQAVEBCksJAuTvJO0wMVYcfbPOKVFRd/ED
z5abpBV5CyDYMBBBMzvibjf2iroNFQpSdL6Gv43VqbAAaRB7ibgYdKOjKkiDi+c4eoemsp
UJIKBNStc+QgWuCQATYRtbFVy3EajeaSfDEU9ckEo2teW8ASOd7icNcxxKnmaDaVKvqLlk
WV1bSzXAkx5p6zsML+GVKdB2ZrlkiNWzEFX3Fz8JnvvGJ6JYTn+K6EFSsniuSwDNUmxM
ggKTyEbg27ThYnEECF/D0yUfUjsrIFEBlWfMSLlpie9sQcVdqkAUwKQ+IAsZY+b17jlfC+kZAV
g0JYkKAxWSYJi4G9/njRpEt7Hecq5Z3LLki4MQ17wAJsR0xmEdTh9RyWVjBuJVv8A+D+Jx
mHNemzDctS+uL7wDKtUphniJgmR9Z/ZxtOB0mALUyhWSNIkHsbT9eeH3D0SkdICFm35M
exETPP546y/DRW7JKPDEZYjSR9cF5fIBTzNrbW/XHOWqaah1LPIArBF9sEFEBsrL3JsO0f2
wItkS5akSQPinacAcazFOkhDsUBFnGkkHkAGG5uMMNab6lJ5wbj88UP7W0teYI8QleWr7p
P3QIvjGYq4P4ZqDU9UlmOqWAWLRO5MyZ6DFz4atHMSxKrpaNCQJibzHiGx5QLxgL7O8H
pMxLMH0i1o+E3m8mZ98WlDTo09R3ILAC5P9tt4wgis57K0gjNTpVEMErUCmxFhJ5reIM9xgXI
O7VBUzAGgAsHKVAp2HmYWQ2m1pPpi1JReoyPWKKq3VA2/d+pEAiMcZuq6M1OmoiJ1
AgnzTtyi/PvE4yM0VritBGptUAhGJKjUxIO2oFrsrWk8pHfC7JZalUqIrnwlCk1GaYY8hY+Uekf
XBXGgyTSBYLZgrMCBN4Fu/KBjOHUaelTUIi/vBG49Cf3OGiOwh+H0xTDKqvqaNKgAghRF
oj25zjmtwOkKY0lwwmQyxHUDaQD3OLBkKmWprPlBmFMBveb9cTHiNJ9UsvlnysI6DYjqNh

2w7Koq2SyDeUEwl795v35YunCsmUQS+r+WBFuU3vhbl6NEVRol0O9jY/nfFlogGYFsD

QxV
A9am3XAOcfWpUbkRhxUQEXwC7Uafnc6RtJxLRaYoyHBtmbYE788MaDsCdIAQbnqe2
OU43lqhCq1j227ntg2vSAWxAET/AHjngxRsrIsy5I7dYnAwyIB1aVHoN8S5XNUwIQM0wC
bDfbc4ZagLQ3Tb64KQ20J3pVasALC98DZnKVE+7I7Ys4IxFVphrHDijZMrCCwUTq5xeT
8sNKFN0
TzxJ2Ebf3wQaFNPvqCec746XKE3LkjlgSFyKzxHLLWqBXQMtNvIASZtBL9jqIjsMMqGWpp5
V0qu7AKLkxufY/Ptg+lkqQYnV5j1ie+FX2p45SyazALNIAMgTHUW+uGqBsKyOSy9ME06aAy
fhgzuYt6kxjiqlKpJ0rUBOkqyyJsYg2O/LHmLfaCvr8UaFOxHm8uynnq59ZB+kWS+2Femwpq
S68zNyeXLcSeX6CF8iZy+xFz439nkUM2X05dtBFQgWqLEhSp8pg87ETYi4PnTgoNIXbnIib
ARqEiyzfHoXCeO0cxQVarjxIJabDymdN+R99ze2KP9p3mu8aQoMjYiNljtEXwSkvQlNVoEy+a
8NY0ksv3ZiLBSLdB++eOmWFV5amCY0i922Jvbc79sLFzMEq9xMiRuDusb2PftgrK1RU1LT
EbbReBf4jv35e2OUtb6Ob9NVcyQT5//AHYzE3gVRYR76P1xmGzWet1HhiFqENB0sCT6DS
RpxMtYu5Hl1hZIHI7A2B39bTzmcAZdm0yp3mJv1FoiMTIr2UoSAN9XLlYmf32x30j1Bi1QfKQA+
zCTc+6z2GIcz4VgwAlQQlYm8xI0j6xiDLTT2tBkyymTyMEG464LquKgks4Mb6z67XGMrNp
GZbJI6A2EiRK236AzHvjrM8IpFgStMn0v+P774EDhY035+YiJ6Tp/HBiNqAYhY56yCAd4nGT
M0CVcnlKQ8QmmDEnzHb0n99MFpl6DojSg1WU6jpYiZAv2Nv0wn4xw6nW8PxKqIJBVFKh
SflPzOOeC8Mpq2hXqDQ/iKHUadQkWj/cZGxxslfJsX4Ply9Gn5jYXHxEhY3E6iJxH49JjCsI2J
M9rd/74ytwyrUgtmGA3ASFHva+Ox4lIaFmq3MkID2J2H0wsyNJlKUGUpkEzJC22ne5GB8xlKJ8
yUUkHzXAt6Bom2DWy5KyXqLH3V0fmv7jEFPh6oGaaisedRjpjoIgCfnbBddmr8Jsp4arKoo
07QN7zeN7RgLi9UVEDU0LupDAaBMjaSFnf93xvTNNnpUkY6jMVDHqw3v09L44NesRpZCi
n+QD5A395ODIrGxE+c4lPwOCf5VUR8vhxdeFZmo9NDUQh9IDgxuBuOoOAstULEk+TSbk6Nv
8Ax1WtzOJaPEqdRitKopIF2ZWg9gRAnthc20ThTOs/XqxKQsiCdPmHsbDbAaZdnBp1Vao
m4JvJ5QRifNVisszEiNlCqO9zcdd8E5TMU3W2liJUgMCfSTF8SnsprQJQ4dTUeWmiDlIJPpM
gD54NWnUJBZF1G2obwJiDf5Y1WzQQmXQ6vgDwCCOjcxPacQnMIqa6gK//AIn1D1FhvHT
pirXZNG84qkf6ZLzNl1X9ZA+eORrZtRBpsBYzbbmDYWGIcx9oKdJSxNS9gnl8vQ4jo/aJahKi
mRIgagCfUiLxftjNxFKXgavEio80MTMMhF94jlP64FzGbdidPizEiSIBPot8GGodEalFtoCn5aT
8sD0kOrVUqiDK2d5vyINiflGHVcm/wkymYHllEaRYj4SRueY354jp8Rqh2lQaewCctzy5/TBi+HTu
LiSbg3PMz19BfAVcq0/wwAYMKWGoDnfSee2NWuTf4DtxCnDVDQK33mBcwCbQL48143
mmas7u4IEEwpCg2BI7zYncwNsegfabNBss4qAUlHwkatQI+ECwt78seRZ/OMzEqq+YtIGwJ
uT2v+GOU74s5TdhVWrrGoCYkGGgsBG/aMCqq/E1MFTsdUwNpX+84hXLVAFLGxtIM9f+s
GeIWARpWYImnJEGx39DPLHJUtI4WuDio50DS4YbQSQdwd95x3RyrFfEqSKcAiPNMm4Pa
BE4PTK06Ymxcbbj8DYSDyxwMySXmGBBPsfp1H64Mr4QXfAmzZ8Qt4aCSRpgAADmAOX
rJ9cRuvhlVutTTB0ncxA2523wfWWnVMU1ClWudQGqN4HXv2HpiNKWgtUXVqggFuffeI/tbH
VSTKySOP8AERZluLG/9sZiOpmtRJNMknf9zjMan4Tf4e1VqLAspDgC4IIMgbrHL92wVlnSRo
QyR5iYAG99/wAMA5jNvHmJtJNlMXEWQT/1jjNcYp09Phhm5MPrN17Y6ZJbPdi2McwVA1F
Qqj+Ugm3OTbqMRO2rz+ZdjMASBe8bevbAT8U8gYUzLXEqNxFo07jf54S1c9XLJU8Q6QR
MWubEERsPlglPxGjD0smWZZOustSRIVRGk7za/MHn2xqtlNasrldJiLsGtF5G/KxGFPCuMtU
ciojEbqQDI/4co5Xn1w7oOrh1n+IkKwuFYmD5WO8C22CM75GUaB00K+nw6rDTOsqAI6Sd/
fbE2Yy6VDqZ3VdoUr23EW98cFHMh0qreFFMmLbTy+pGA1p0HMOS1RT8MwTBiWv6d/XG
cjJB6ZFQfK2pSNmaCesad/XfEtPLEHSlLSBa7NEdrgculut8BVctWg0zSQEglYJa/Igtztt9MBZ
epmVImSdmVrg3jY7mBzw2+kavWM6vFqiuqkIBfeVkDeDzPpjrMZlWBYlE2BDDciZ5E4Xla71
FI0KB/wCkwHP717jB5ZtXhuUepF9SEd/iUAQOhA/LA5ejiuiVStOTTWkGMBSskQec6ec8+u
Ohli5GoSoO4e3XYARfqJxHlmqspQnSQZmmR8on6CMBpTJZinisQIMgAT3kk23vbG2YLznCqm
geCUpkc9ILQOQYjY+gxzTpVVptrKuYloEE78hb074ipZx1kMAtgCQQRM3nUQTcchOCK2
aBv4Q1/wA3L5xcT1PXFBsCSgaQj/DEUzclWUlY5xyPKcbyfB6NSXfWi8yxSJFzJ+LE1PMhp

VDSVis+VlMmSTIF7YGr53Rpo+IrVGtpaY5dJt63tja5DZPmdKsVpq7rYz5TEbaZMx3547oUS
slgR/KCUB37sbHt3xG1OCPE8OnfykuYnaIMH2mPzky7sAQulxfzowib3OqQp9cCqzO6GSQ
AAyljFyFkg3t5F/PEGgSRqa+wML7BZEmJ3I54V0+LKrhRVLAkgkea9xBIF/74mztaCDolnnS
QSbDudt+++KtGxYbU8M+VSWbnG9+hDADnvOOcsaaNplCALSF1C21jEddsRU0V7vTak4s

Vax9QUIBntjWZoU1RvJoU7kwD0+917YyfZmuiXOZpEILVjTtYMRHPYD2vjhOJU6s6KzCPve
Gfe5A/HCoqrEMAXAnykbRNpIBI3gCfXBOcdxRbw0EqJAdTAi7X3Ij1j6Y2VA4qimfbXiTF2pp
VLJYsQRcqYv6YrmVqlVlmRwJATTcXkttfecCVtNWppGlGZtOoCFHUxvYz74YUaS06wVnpv5ZL
AkgW3jncQBjlONqzg1ezEzwQqulkJ6LbqZX577TODBmtyTFvLBJkHeQbA7WwFx3iiVHZ
0VC4PmgdNiZJvEC3bC/LVajgqpmBckCxvawJ6i08tsc/rvgjFdEmZ4hpqHcnSZVh8J5dh9cB1
+Ifw9OmJmfxtFoviJ6hJ1QNRHO8nr2xLTybNfUGYR5Vib2JHpPK+O9RW2Las4p5hQo0HzA
73tcfqcE5g1HICknkSAY3tPbfBuT4QUK66ZCE3nfaZMbTGGQ4fTmacJNgd9zfmST2xylOKk
RL1iD+IPvn5H9MZix/5cn3lcnmZYT8sZjn/wCheHO14ejrXAMC3P7p39Vn88dZipU2FQHy7E
GQesi+O3hVYjUSBuqge1zE4GTMBV1VNQUnzCBIm+wXv649bo96sKyzsBDtInofpO5+mO6yr
EASInTsfptgJMzQdv4ikgWpswJXsTf9LY3Uq1VOmoEZJswMHsbR+xict6Ko1nKB0eSdYurhmgT
yIJExiLhuazBhKmkkXDCAG/MH26YMUBiCNWneZP8AxN+vMjnjSZqm1TwFd9UQzAhl
UgWXzCLiDA2wPTtitqkS1xUYiFAJvYsPa363xDnssxuU230KTM8pVgfxxLXzS0x4YaGH9It+
ANumB140NYQsjtsIgR1MTO2FyV8GSdE2TlRKU2JO+ozPpPbscEIlQk6lVQehY3BA67RPL9M
C5mi1TkSRzLKFAtuN/bEFBXUWQMAYtUEwOQtYC9vryxr3wav0nbKU1IqES8WL1I9+Rx3
kM7XLQUQqLQHBP1M/PA7ZZNRPmJ7qlhzEjTblzxuqjKp00xVEgWEADr8Rv3HfA42bKiNc3US
o38Oq0sYL6UUEdPL6+vOcHpmRVJK+IpX4omJ5+3eCLYV5ikpfToVGgGdQF7czub7E8/TBq5U
IlmuouosRG8xuYiJxUYtcGk0zVemHmNTMOfaJEHY78pvjhOEKVJNSoZ5ROmNrb9s
dVqlF9LmlO3mqeT2JNieuN5rONTGmgqJfcOCL3mOnfD/0N9AWYydNfKFNSdiDoAA3MyZ6
QOeOE4JS1rUVGMxYuJHW/wA72xImazIUnVSZjs1gfSA3vPriXLZivpGtEcbhhIM/KCO1ud8
TTGyLjTqoVjTFWbA6jEgxBMG/a2x9MCcI4vTNRgco1MddRNu45/8AWHWYzyIYKMGYSfN
+RBxFX4kNOpaKSBYuQLbxYbemCS3djF2uCDM5iATTorp3llvf7wFh+zjVEOxVaqKCpDarC
RyIIHqI7dcHLxywdqbRsRqNp3kBY+uOX4+AYRIIPWbd5Uke8c8V/L5J/pBWZqqUWEJ03BZ
BAHqbDlvgGnwhao1smokyytv23Me49cT1M/N6jFJFouPaAIOCUqUdH+oNpJmZHyv6YrHwLoG
oZNUAGoUlLGAGA838ouZxVvt5xl6CCirF/EA8xHlAuAAdidz7DFs8HL1FCiSDtpJHqZW/P
njVbhtBwUqQ68gzFyLQYmWG+842DCUlR559mPsnUtVZWDM4IsCQt55GGJj0Hfafiv2dzF
GiagqgOzM1QlW2JGgLHIfiRj0YZemwnVUAiBDHl0BEDFU+3WUqNQHhh4m952HO9jM7GLYp
wdHNtUeacQr0zEM1SoQA9RrDqQI38w3N4OFpzIHwkjrH13647zdGpPmBJt+/rgGshBgiMZRD
YXkJqMULQIk7XE3uYixN8W2nmaYWEViQIkwCbxJ/H32xT8nnVp+YorE23i3PbDbKVyy
nRHhqYu0kgweY5Tjy/PGVp9EuhzmXNwpW8Tfbv8pGBalfQukkoSDEwTaIPv3wu/zYCVpoR
G7bzf8AM4AzWa1N5mEbgAc/liIfG+GTd8hv+FrG5kT2P6YzC9c4w5t/yONY64SJxZ9A1Mo9
SQ9h6GfblhRmuF1g40hmB6H6wbHD9M5SpytwJJkiwtO/PG3r1ifI1IICIOokkc5Fo9ZOKU1I9
uLQgXgtYHWq8oIBiR05/uMT08vVIvKi+949Vje3L54k4w+apkEUqb+aQwLmOQLA2Hz3wRk
uLMyBnpqpJi5IsJ7X542STo2LasESuKYAqPKC/lVj3hrHbqIxFl80viLUy1Wl5pmnIgn8R+WDa1N
ann8i38pDkdBE6b36geuAq/ClpszuqJIJ81MatRiDItvcnfA3eykkHZ6jTqQKgXXEaXO3/kLd/fA6cD
pb7kcyQQD7XwNVoMxVvDp1GFtYYibbf1H0me+GeSewV0qIWF5cnSPcyBfHRNMlpo
Dq8J1ALMoNwQYsZteNzvglatGnpVmUPECCSfW02+mCa3DgyiHZhy8x+Yvf3nEVLh4FiSY
5Sv4e+Krwm/QR6dNnKhiTBBBaAQediOouMRZug6srrVZdFgAC0ctrzy54ajIFbyxHTYeu4GIq
yEyoTUeWkwfnqwON8ipVwZRq1Ao1Neb2A1dwCRBPe2JAY8yqTeIKgR6npPQnEOquwC6l
QxYTqa3vHzxGcuGUanl5tqlQD102B9DOKAlzFcEQRTkjkwAnpz59sBh6SAs/hAbQCSenSe
2OW4RW1BppRJkaRPqDAv3xg4YsSxAqRfTJBHUgaj74NmpBWWFCoQocNvYATBPe59hg

qjl6VOdFMADn+l5whYZU+XxW1BtN1KmRy8w5dTgjL5Vw2o1HZWFwyggR1g/hhTM0OKim
5g/Kd/U4AzFJr21NvaD7wTv77Y3mc22mFZQotMER6ea/oMDf4oFC/jyAJcBGJHoJJXC2gSZ
Kr1IB8Jh/uMQevlH54jTLvJuh7aj3/mE/XA+Xz1NwP4lKoDsSkEf0z/YYJGaQAgQ4H3YmOpA
DH8sCaFpmUnElKhUC4gG/yA298ZNNgQNOnuCD8gD64OyeaoG6BUnfaJ29cStmkMaWSJg6
p6xER2GKVEsRvSpggg73tqvveL9MbzNKiBGgAnq0Tzn/AL6Yf1noSCdIYCx0n16W+eBszWRot
TmPiiR9eeExTXVkY1FKqZmdbe3rHSMRmrUYDXVGmOUTft+c4tNTKWJhGLHePhA3
6jCytlnN/KN5hj7EwN8TLLopKPZUs+41DSZB6/vffAWeyVNxBpmdzcC/54vdHhyjUxciLGBHv
zn1wrzHDfPZ4HfpG9rfOMc8pIvGLKbT4Qkf6akR963vM44qZVtJCgBVAuD16emLvX4YD5aa

+IYuTHvF4wqqcHzFNQRUUQTCtNgRYSAcRK29kSguio1cm9M3WT/UIP03HriB5DAiiZi4Km
P+8WQ8FzPxs4mxmST72i3vjvJcMrVGYWRhJLExI7deuFWcX8crsqZzp/8AtD5YzFtbhlfmT9
caxWivrieo1eHuV1amqAmwDCAL3/l/IzjqnSKfE6AiQoUQ3aY2v/bHNKqak02puAuwQGJ3HI
QcSvlRUg+IweYKul5FpiPwxzwp6R3y9JaOYdgd7bFDfobHmOYIxCUqaSA4qCbA2sO4/Ax7
4JPDaarLDUw9vW395xFmKVNlkAgmxUCOvmEjf3vhxdWbJWLcs4psT8DD4gfEP1FgP05b4
Jbi1NgIgyR8O/KJBN/UY5GSFQMnjRI0gFQpuPhmIP7jCGpwtqZIZdSAwIUG4tuDY25e+Mm
0hpNlozFRiJixGxVpaBzABb6YXIrEnQQSwkhbG43kxYdD8pwLllq0/MKbkmyMwj2OswQdpi2
+HCUqdT/UVFIsSSQRFyoIP774bthVCl6lcn+JMwIgkb2ESIPLtgvXVCACowNjJVed4nftiehxKkz
mmCWCjckcrne+34YOGVpOfKNNpgEAntEgX7jDkvQproU+LUWNdSV7oJPezbd8FHMq6wBrg
zoEgiOgn8JGCs6GWmTTp3BvqBMjcgwLcriwwqzWUFSHRyskkqZ8rATBibW39IxlNXRsdWbTN
mPLTVVYnV4hKNb/AMfMPXEr0aWlakoBO+lYneAWv8xgHL8PqEeeoncabjtqJB6dt
sEZFxSaZDE7MC36ATfqSJxsmNIkegHBYrPIQFF/kMQo1MjR4akhiLbgr10gnr2xG/2jJRxXT
QdY02jWpt082IAVY+UFpggo7A/Ikj0FxiPsT4RWDXIY9WnTIJpswNwdJPPoWn6YZ5bMhgP
KFBJnykW5mTyxBl6COpbWw6ifnI5H/bgDMIASFqGTMLrK/LUZ/wC8dotnNofTRYzEnl5WIPcTb
3wvztGkpLtqiI0yAD3EfiL4ByVawR6jq/8ALc/+4r+eMrZtLxVUMN9R+L5XkemKyVBi7Dctw
+mR5FHIy2lp99+2N16KgkgUgf6Vkk/PAjZlreHUZj0mF9pWCfecT5mrVginSpqe6gzPPV/bG5
MQIpZvKaRbYhlUMB3Amfng+ggEKdM3sBAPoMKaVXMqsMqki/KY5i8z2xLU4pWKMyUE8o8p
YEkbTOkRtibxGrGa5RCTOr1gDf64hrZYgyLxb4bj6X+WFQ4zVamdVJWaRACEA7y289LY
Iy+fJAIy/htvuYj5WPfffGU76HBk2eyVSopAqVELCBoBU9JvbEGV4O9OBrYjmKhDGfWNQB/
YGC1eSJVp3EAzHqCLD0wVUqUzdzva45+95xXJPAA+UBmR/wAduvsMDB6U2dZNvhI/ED
54KzmgkKlwb/Fp/AH9cc0XDGDTUG/mmZ9CB+fLAxRFTAAk+sgCMZWpnQIXUCZll5nviepl
agAFN2B3hSfe3PBNSlUCovitYDcKZP8AVIIPoBbEuxVFcCG4GoHnAt+I/EjE75QqpIHxctp9L7+
+HdVL6anh6rXmGIPTT3tgd8lDAwR0GqI+ZAntgVGbK6qU+dO/O/8A8saxZ6eTBAOo3/qH6YzD
oNnZ4iiwniEA2BBBsDHaO4xOlZ2JSm8hb6llUd5lySTBtGElU0yCCisVMhQsaFIEgMhBPW5A2k
2x1lM6igqlNTJLKFjXKz5zLGefLriVfYuuh1RzNQfwzoJF5apMmZjcenQYgqHNtaaQP
3lXT/8AvP4YDTOyZbVqIJGtF2IuARc8/XBXCq1B0DKkkGII8ytP0HPCq4J2SLXYtFSpJFitMG
Ax7wANjM4kzfE0QrTLajEBFJZoHNok/meuO8zTlioIN7ksR3sBB59TgVclpBAhNVi1NdJA6E
NJPzn8cWBwmZctNQaDqJWFNgBsxn5cjcG+AM5xRNTRJYgEiJFjJIv3+u2OMxweutTWHDi5A
DCW3sQQIBHfYY1w7hlXUWqaE6X59Og9Rji026OqxSsU8Kyy+JqBhxddVvN6c7Hlf5HDapl6w
QvTdZBusgkkxM/ucF1uEUnJDsCbRIO/O4j+8Y5yvBqYk03BQElgpMkyZAMwLW264JfG
27QxmuwjhXFKllqCXFpF5iSDYzH6YLoikS0lkPPVtJ2np9MLMzlUpyJqANt5iN4Bgz7/ALnG3
zC+VdoHxkySTyYNuOf5dFWuQaT2hlmKaoBBUMR5WgmevI7RthSmWKy5gsTALGQBz0SI6H
btg3JJUB0OKWi5BA0kTsSDYx0wW2WYKSXDKbfD5Yk/y6o3ibd8NWCdFX41RDOpZi94
AaSsEC6sLXPIk84OIKvDmtUpJAAuoI5RdTMfON9pxbKfhsoFRVImVg2+sdSPcWxDmqPhgimB
TpxfzRvuN7i3LBglwOdiJOI11UatZA/mUk+8EE4bUuJAoIpq221um03+fTGl4dVMFGWrSP
I3MdJ6j2xtsvUQHQrL0uSD+/3OLivAkyPN03AlaVNpvBIDfUgEbbEYXo9Km2qpSCNvqUtYneFkj

/jbE1bPVD5alMP3gzHsJwM+QdmDKfISSVYmVkDyjYEc7icDXhk/RzTr0aisUKkHcafxG9sdMyU
2AaoqxcfCB+Zj39sKVyGgCDpblM3m2mR1GCBlKhQqKbNaIa+9wAJO3WB3w2zUjniv
GKUadbs02CCQO5BUDvzxBl/tGFW1OXWw1kjfkY5nr6Ymo8GIP+nUpbGwBnvI5/LEeYyLkf
w6eo/7gPbne3WMDV8imlwS5LjtQ1JejFM2lCDA5SGhupsfbBVbN5d6gWojFiPL5XUW7khZ9
cJaNTN0ydVJApvcOxjGq3EqjQDTYA7habXt3Bt7c8C0qsXt2GcT4yVYKtJ1RfLtE8yZ/XDGm
BpDJU3vDssbDctc/PCmnTMEoKhIFwEEX5GLc98HUPDYBfCXvtIPeAflJGFfjBhdWsVADhQ
puCjWMbwQY+eNBkKliPLzM8+sBojET8OqBZpEkb6ZKj5WBviSlriKuXQk7MGEj52PM/u9bJ
10Q/5pSQwKjE73vPoRbEy8UpFdcVO+lWP4YircPpD4qaJInUfL7WETiLK52lTOhTpt91SwM
cpIEXxsq5NimEPxJXB0AggbOsfMROBKPFKtw9NRBsVDAR/USfrMYZtnNP3BNjc8rA2WST
6xywHXzQqQVpICp8y1UYGOoa4/LA5dmSOv81P9H798ZiFWbkqgctKgj2vjWG/w1BGVylQXFJ
Ycfdqk8iNxA+uM/wAMp8q0aRHOdR6mYYgx+uCfCMwyGBtv8wbie+CMsyzE1AZm7GfSZ29cV
Rzsree4dTqqxFE06iwAYULbYESL7id9sKXzNei0MWB2Bv7TfY98XIvUDEsjAi3lcH3Nifp

vjhmSptUdDz1ib9rfXEuKZak0F8FzH+JpeclaqmGKnfp15R6HE6CorMrbNYQDAB9/qL4rzcO
qqy1KVQkgwTE/IjlHI4sOX4i9vEplBFvNLMeflAt88MfCX+AWc4e2lirXAmSbDnbt63wkR3nSS
s87kz6GQP0nFrpMtQyKTK3cxHtiV+FU6k+IikGxF9j2tHrvjOIqVFHzDqIapSDNNonl/Vt7DDOj
XCAKyBJ8xFiCLEACdM/rg7OfZ+nTWaUxNwZqGOoUtFu8+mDctTLnUUhl9BPt058ueBKhbs
U5NIbUhOkfd0kgieQ+EdwD6Y1mKtTUSlNNK2YliCZEwBpNvngrMPUDkNTYoLnVJB9JlUW
OO6OVWpqZVEr0kLI3EyVMHtiXvQp1sFySUnJIDARfUx0z6G3vAwScswMKY6EEgA7XtB2
AscELBpsAqDuCjxzMi218APQpN50cueiJcEWkadj6nFKIN7JszmlUB3dDFiFu3rbbriHNFapB
BDiCFUNLEXGzQZE9zjteHz52qGmSYtUZSY5dJ+mNLUpqbgu/c6oHoYE98ajC/huWqUSTTCr/
AEF7kf1LB+c9MMavHCjIHouNW5BmDy2Akdz0wyy2aV9IILNB8wBt2OkfXEGbyNR5hrHek957q
3xD3nGquDXfIt4jx+mjwKbl9gJF/wAe945YCyvHRUYBsvcNYgjf5Yc/5ZQpKGqIoDGCXbn0E/kM
E5ajl1aUVWe8LInvE4iT/SlXgr/xNR2JVxCm4UPPuZv+GBatSo5JJkE+UQAd7iQ458vpiwu5U/6b
qTc6IgDp3xzlqbMmo+ZiPhYgxfqFF/TC5dGS7FFPNVUILukHygNymLkyb/rtgnI1a
gqEFqQUG5XVz2A5H1GIKld3DU3QKhsPKRboCDuL8hiCnlX2mon/AJEwN5DROBZNGdFh
TXJ1sjIdioII7zcH8sKszQrSR4vlPp5hztB/TfHeRR1lTU2vv8Q/qWAB6jEr5IkjRUKXuF2n5fnisX
2GXgAlFpmQxHJSyi/bbly74NXQ1MK4a+38Qi3rM/nglKJUgM5Mc9J3+f44gq0mv5i6jZQFHru
DisV4GTYLRVKQ00y6qR/Nqv8AzSd8SpXJOkkEDcwIj257YgTVrEZdgFkEs23tZTz5EYxuJK
SwkHSTuoaAYMEBREdu2+J0vwXbB8xmqOqWDNH9MjfcbR64MOYpOsKzAkQCRPveTfHd
LNI1PWtWFB8x0VF32sAOu0e9sS5g/eJp1KbC2khWE8x1PbCnfDM16gDK0qnm8IKjD75SD
vyJbVty0xhimcNkrVEiLhhBO5Bkmfp7Y1TSnp+869Qp+VhHt1wszmVy0SEqM8QikMY7bbTv
OBwfRsl2GrlB93THKCNsZit/5ieaMOVmgWtbGYm5DSHOWyL0gND1UGw0mB9QR74PoZ
moDLLTYf1sARP9UCflz9sBZAV6hPiPpBEKAqAD2u0e+J/DCXqVEaO+3LYcsdjiEZnitIX1xHI
DVHawb6DA7ZhK7KtPUp5uUA2E7kyIHQXwvzGZyxkEhhMQGC9JtuRzwjzHFaNMhaGX8x
MzciQZB2km24xzlL06RjZcIZtlIPU2mJuR6dDhJmqWYBYhGJAhTrmxP3iwGBTxurW0lAV3B
BViJMW6jtvvhtw/MGNTOQac6gZAvbnAJsRee2OMpJnWMWhfl+KV6U6ywkidmE32M29MP
cjxksNR1SAOUD1kRv3ON1Xyc+G/hqzQZBAJm4Ow/fLAgy6BtCFGA5WVr9rEGO3LFRXjJb
9QdmOJs+nQqzY+YfF/SDyNt/8AvGUOJKtnPh9VhYB3+6MRf4VCT5yexH5H9cZRy2m7eH
UiwMAGOhnfni4qSJbiGZd6DWEEnlab3Iid++J3pKvm8qoo5kQPYSPrhHn8nTqOKgbTaDBie
saTaZuZviP/AARAhPhIgsGO/oTfHS2RSGlRAAXVEqCQTBAAB2AERPc/XAeaL1GNNqnhrYqU
aLEAwyEAHfcYXZjKZlVmm7FbRDgREzIJvfr23jDXLZavUVdQpuIgkspMgbG0b9OuJbdlJJ
IlyyimpSp/EtIlYk/zGRv3nE9LQ4lWZW5Lqt7SMJ6XElBNNtVIqfhVSkc4NpImduuHmTqA041k
33nTbkSVAnFxa6Jkn2V7jtPPX0amQ/dBIj1Mi+FoGfhNKwRaGI9iYn6wOwxc3fMlhpKaIHQ/K
b4GzDuTpaQy3i5B6SCI/YxzlFN2y4yaVFZbMMB4dU+OsHxGMFJ/pG9jt+WAMlmPBV3pyo

MAljJ6iC0kAR9MOc8j1GYhIk/eMH8cKqniE3QHT8RW8gHaARM9MGC5KyDaf2pfQsQQRc
GTBFo9/wB9zk+0A1ToCuRKdG7bCJjr1xWMzlmqMXpU3VvuxTKjy8iDafe/fGq5rMR41MyCJ
gHfaVOxB6YlopUXKnxFcyqq/wDDM2ZSGUxuO2GFCkwUaW8QaomwC/Kf0xVUq1PK2qAg
vrHm5mBAm1ufzx1lOK1NZksSZmEDTymUGGMmiHFMZcYerTbWlOmYs0AzHLzWt2jlhYvE
lcfxHKMIiJ09zH/eHlKvWeW8IMv+5gfXS4InfbEj5ekR/FRBzJPljt5b+5GKrLkLoTvSdRqao3Sb
mRyIPT2xEmaq7U6bNP3mIv3JQR85w+VQoUU9ABaB/FBF+QDxyvAGJ04c2oNrIjkVQKeosur6
41aNkJletUgtFMRAgmDG1wN+8YNoVQZVp9QI9bgXnHecAVjemJ2j4j2vbryxwa9QyyUmVQ0jy
yTb+nb364ItdMWn2idwgIKamPYEx8gD7Y4zJDwS0RyA/HviZs4VQGooAeTCnzAWE+
XmCRII54WvwpHEnUqk2loAnb4ZI636dcVkiUmHZeuoGoqTA5ASZi9o/AYgzmf0lTpAkwNgb
9bm+Bv8tpUwdLgnbzOzz2AWI9b4X5nOUqekMBqBklYUKRbeNU97D64H8lIVC2OGzyc1JP
Pzp+uMwoo/aynG2xI+7yJGMwfd+D9TBc5WNSiplhWp1NNjYAGRzgnnOFdPL0yTJdyN5Ox
Pry9JxmMwy5JjwEMaTwdA92aTHtHtGOdZRyrCEAnUCJvtaORjG8ZiJclx4GmQrsxALHwyZ
QAkamg+RouB3GI8nSzBqGo7a6anS1MxI3EgxEi8f3xmMwxSMySrkmqU/FIUsjQRABgGRH
LbcfLphUubWpsWpmdtxO4A5jGYzBLS0Zcko41nKYOqKgU/eIn0wZR+0qETpbVafNYb7GJ3
/DGYzEOTXBSSb2MaPEUIg6gxEgzqHPckTeDyxCc7Uar/AAyoWPN5FlbE7kXB7XxvGYtyYKK
OnzxIClfEJB0NOmY6gRaxwmzXFnYohdlIgHw9pI2AMfPGYzBLaVikIZYMjntRK1qfipHka0

jqp1GZB2P1wd/ltMjWjso3AWQR8iBjMZjtDg4z5IzmShAY+TmTcj5BT74npVSDu0GIOosI6hW
25c8ZjMV2HQXqRgQxk9ACP2ffEb8MpsLF7/1Eb+hxmMwsEDJwgo2sBuk+ITtvY29LYIogBg
CgmCBcdjItb3PPGYzEoWCNwSm5LFZ67ev7tgpch4agILDaGM39f1xmMwmZsUqatrNIByN
5v3kj22wHnMnTqQoFQcvKywPmJj0+WMxmKJMyvCKVOoHIlksCWLXAubqLwf0xLn+LzAj0
P0xmMxw+Q6xBa1Ak6iFgg3HxCBfe3UThGv2kdnKh2QAbBFMCLbm5kY3jMeaWmeiG1s3k
/tM6qTCET8Wk89wRy25SO2I8/wDauspKMiQf6QRHQj0IxrGYq21syirJp105ojQDeoJMbb
CZ
hT0A6YS5vhDsGc1Cp5R6d5t2xmMx6IpNHC3YoX7NMw1Gqb/0j9caxmMxNIq2f//Z"><d
iv class="title">Flood<P>Floods are the most frequent type of natural disaster and occur whenan overflow of water submerges land that is usually dry. Floods are often caused by heavy rainfall, rapid snowmeltor a storm surge from a tropicalcyclone or tsunamiin coastal areas.

</P></div></div>

<div class="disaster"><img
src="
wgKCgkLDRYPDQwMDRsUFRAWIB0iIiAdHx8kKDQsJCYxJx8fLT0tMTU3Ojo6Iys/RD84Qz
Q5OjcBCgoKDQwNGg8PGjclHyU3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3Nzc3
Nzc3Nzc3Nzc3Nzc3Nzc3N//AABEIAHoAtwMBIgACEQEDEQH/xAAbAAACAwEBAQAAAAAAA
AAAAAAEBQIDBgABB//EADsQAAIBAgQEBAUBBwQBBQAAAAECAwQRAAUSIRMxQVEGImFxFDKBkaGxFSNCUnLB4TTR8PFDByQzNVT/xAAYAQADAQEAAAAAAAAAAAAAAAAABAgMABP/EACARAAICAwEAAwEBAAAAAAAAAAAAABAhESITEDIkFREwT/2gAMAwEAAh
EDEQA/APlyIQeWG2WqC3nJUD84AZgDti+Cb+EnFbJmvpnpamnNNI6kEWIxj6+IQ1DIpF1a
1xg5Ahs0MhR798VT5dVTtrGliexwE6D0DRH0g22PXDCOGJKfXOwLn5RfAbiqphocMt+R74
4CZlGpST0wylYKGQoo3iEqi3cYhLTcIDhkXbpgaOqmRdAkKr2wdC4kZW1ajggIUTpDWH4y
BnViBz5YK8S5NUpDFUxIfhrWTv8A4xaY+NKokUjfnjUzZquWZCDAC3MAeuBJsysP
kciMDuMRXnh9nDpLJaGBUJJLWHU4WLQyMy8xqa3LCtMNlF7jESdO55YvWLze6Ti2vi
HBLOVN7BregwjBIEltzzxEq2kqJzR5BHLwxgK2Wn0e2GnwDLj34M9sKnwXWJ+qKcDRKWx5YZ0IWG5

AwyiK5GdNBInNCMerTG/LGvEKSoSSCcLainAJthnFAsSmEjmMRK2wzaAnEBSMcKxheEvjsMf
hSo35Y7AMDGC5uMerA17WwPDUiIC4dVY2Go3/OCuN640ZKQXokFCb4Lgndflbl0wC8wJsBi
UaTK4YKbYLSNYykrncWlFvcYgZUksptpwPUvrUKeYwGscgPlvbCpUZsb8ClIAsCD3G
LaemWJ7pcnvhfEJxswOD4HkGxw8QNjCCKSaZQRe+GQSUHcmw6Yqys7i5s2HKohHmPv
h0hbE4oY3k1lASRhH4hpXhtGBZH8ykC1iP1xsVjKEjp374WVFdHMtRSukaTxsP3czCzr3B9s
GSVUBdsxrU5gd1dQTJECvUjf/vBuTZc086WKfzN1Kjtbue+BsydYZ1kLEoOiG3uPtguirKeF4
2MbcIG6Rjv3Y9ccUZLPZV8GNTQMvJdsJ6udIGta/r64cHNmZmd1A0C7IGuGX09cZvMmL5
gGjspJuDzC7DfFvT1VfESMXew+l1Tg+S1jz23/OC0pX/lPvgWnny+hKhqiR5bbkA2P0wwy7N
BVTmMKukC43N/0xoTT19maYRDBJptYnEmoi43IGDZGCQk+l8DrJdNWm57XxShQf4OJRci9s
LsymMbrHAouRe/bDJ1lqbi2lb9DgSro1ia1rm174FBsTskk3zEs3pjsFsrj5BpPfHuCAR/C1CIwKuy
32NuWOCFjspw5WsiilEYnBNyNNuf3xRWygOrR/IeZcBBf0PPCSnCHCsPOcgSOmkJF
lODaamqW3WMkWJ27DEZ5mpstpqtqlj8Q8ihEt/Dp+/M4AmzRuIHi/duTqDk3INrX97dbDEV7
5fRZ/566x/SQmaESrpdD1XcYLh+GUguoFj2xmYc/qqExys7TJuBqG2/rz68sWQeJ+PNqrUiE
d7OVU3Hr/jDx9H9oSfkvpmtkqoHVQArbW5Yp4fEN1TThFR59l7eaWB9dreSTYH2OGMUrJPxB
WQvARcXU29tgTh37QiTXhOQyp6Vybh9PtgsI8Y2nGA56PM6V9baptrmNIrBeo3IvgeHMTUyxw
aVjqHQuIn5tuRpBva+x98MveAH4zGDvMxsZRjOZk8qvadbzKbRy3sWXpjQ0s0NRTO+hwy3DC
26kc74AmqY5qazxsy6bnzAWIwfTGS6JHJPghqromiZ0NwSpHM9r4FpWVhIWLAKbmxsCO3oc
e5ibwvIwHEkbUbDZcVUmuVeFFoAHmLEA26c/rjhaRcbGty+qoWp4y0dQous2m2
o2/51wHVUVTDTxzsQ6k6EI+X8csSReGki6S7MPKzchtcm3t+ow7oaaphy+lenhkdJDp+UsH
3uD69cLKxoqL6Kcsejghb4uUOXNyLXH/PbvhtBVwPcxaSt+aYrbJ4pZA60Eodz5UKMDc9LE
d8DyZO9PVakikp5V5qdvwcdXk3RH0VOmNTMXsG2A6Y5m3BHLFCwTaQWHPra+JQ0k80ixR
h3djZUVSST7YvZMKSrEZ+UEeuB56kPclRfFlTltRSTpDVwyxO17CRCv64tio1vuBgWEVs
wZrgb47Gjiy6lYXY39lx2MYwtVRZxSTtHLlhazW1GXb788eLSZ0obR8NTl9nACkke5vhtlFbW

VOdRUtRUTNEXYMGlDXFibd+2NA2UVMoLwxIIio0iRtIbnyJ3/GOVwS2da9JPRjosiqKqlpqN
5oI1h4hDEsAdViSbcvlAx6fD9NKpE0iXvsVupA7bDf641UNHSGr+HEinQhuTtexHfAMM8j5oaf4e
nFNxNAl4t3bbayj2wNBbYsy3Isuo6gSSSzSRW/eRo9tY7bi2G1L4Pyuv4q0tNIIOMLu0hOhtJYXA
t5SCRcHDCuSlp4WDRlpCBpVVJ3JtbbBeVVa5Vkqx09Rw6uVSZxLDdQ29t7+WwJHX
phZWntjR+UXSMLJ4UoabN6milmnlMUjRqFXzG3bff888a7wT4ey6WoqYUpzIhAUmRuTXO
mw9je/tgOVa74XMK5qiGrqy2t41AJUk2sLW9b++GXgqMUIrI6yKTU0ha6sHL2jDAX5gdLem
GTtgdJUabKMvVchra+ooln0uTokffSLA2v1AvbvfGaz/AMP0+Yq01H5zq8iyAh1B3G/pexG4PS
2Np4ddj4FrGmOmR+MbNttcW5+gGF9IVaINa/luB9MMoKTbJuWKo+fQ5zIVCpFIk8b7yAEh7
bXPM3t9+vfF5aSukcSgtxPn1QkA7W5AjoPxhgfCZrkD8eSMliRw0tt2+bAsrnLOHl9JUOJYH1
XlCgM/O2okjoLYn6vBBUgKLLaZl4UFRwJgG1MVa9uwuTbf1w9y7w5KuV0ktTO0TvFdi0Rfz
X5Nv2tzBGE9PURZfI50kSogkCRP85BJI5bCxFxjpM6zOupkrsygmamMgEcZkJEvc2TTZbffb
3xvC5bYsjS5Xla1OaIKgRSxLGC7GPYgHZRso3N9wOnPG0U6VADewGM74Xl49NNVwiQK
8ccYaWPhliCdR0nkouAMaWKWPSp4kd7fzjHZFfhJnVDpT5fK1QWdWGkLe2onkNsIaR5Gq
ZOPl9PmsLLqEJjVZY/6Wt5h6E39cUZtnCVeYvTRt5IPKt/42OxP9sZnMvEFbk2ZxcFnsRZ0fY
Cx69vf1wZUkLHbo+jz+FMmnSOWKmmpdrtGHv62vv8Ag4L8PwU1Ek1JFGsUsZIPUsl9j3tjK
5D46asVfiEAUc2fYewbkfrbDLOc4y5I4p4pj8V80XCN2X/Hp1wuSofF3VGlq5YBGwqWj4drni
Wt+cYHxbPkkVNxMtSM1j/KyOQg58wdufbGazrxJLmktTE6zFqi8TRp8wHLYfnDvwl4XzCStp
8yzaQPGgLLHJFpZjawuDewxP8Ao5OolP5qO5A3grLcwzqCVsyRoinJlItfttscdj6dENIAAFgN
h2x7iijRN02fJHytqSVa2njjqJtRNhGkPPa50senLY+px5PQZ3m03CVWZ0Uao/iEGk/0g729cL
stbMXHGzLKqqWKR9MCUrCzdCWYkW3sOmDYqiup6aaU0lNRrFdGS0byOOtud9+fmHXH
G4M681+B0eRtoiEghrZG2ZRNqcW9F3H0H1wBW09FBmAjm4NJIlwdl1eUi9rt12739sejxLLEo+

DlipzIbBFhAYr/ADWTUefS+JwpnGapIqGsSCTysvC0iT3/AHV8KotdGysm1bU8KChhVKWj
Q21Kl9yeXMEnnvf6HCqup2EpaM1UulfLLpJQHf8AgAv+O3fYd8pzsy8MVMhRbaeFXR8u4G
kbfbEo8inNV/7sSSMosGc6rbbfLYH3/wC8Vp3wS1XSVGZ6WtVI1kSnbQkhkUKD33PLb+2D
4WZM0lqSKcmW9jHKjautrHmflwzyynoKTL6t0hpIqyMoI2dTJxAeextp688Rg/aMtXTVaZZl8sif6d
vNdwD0U8t+thy7YZ5CJIbUfiaT4Z8sqBCvFRkMzLZST1Nhsb/T2xdl2VVk0rUzBI1Vbs67gjlscD5j
D+1A0tfDSJmKqNSQyM5I5ecAb/g4f0hgyDIi87my8/4izdlHfoABikNLZOVXozni3NEyCOKKSXz6
FCEAAmwtYe/L84+eGshZzLVNwgW2Mh5DtY7/AG/6f51QT5lmT5jmacCWUEoj3si8t
jy5WwrTw9TzMzBEZmZVuRzJ2GFfln1myoN8PTU+bVU/AYmBYwKmpmQBVHKwvY3O3frj
V08R+I4tNJNDKhsdDANty2BP1vi+hy2nybLY6elj/d6dX7tSTIe49/8AbEYJ0hXiQUpgV7a2LKd
R7bE46IecfONEG3JlMLyzhp88WCjWJzIGkqtWojraw6274srMwjyyglr65BHEDaGMPd5e1x0
+/wBcMP2XWRySTCmRHJ/eSkre9trm/qPa/TGTz/JsxzGqMsyB0CpGhjnXQCVVgux5+YfryG
A5hXmZkZ9NXz5lPWTWfhqY0/lFiQBh4KiPM4Y4s8o1qgsS2nhk0S2sDv35HD/KMsmy6jiio4
4wqx6jpZW1bAknvsb7+mGIo6opqakpWJPPhpv9sQk7LxVGOp8woaQiHK4aiVivDSnkGyWv
udvW/wCTgyhy6vrIos2zFwkDSWhjUgMWFyOXIbEW9cOJTGVEXCQBNQXhkqBfnbHlVUM
9FHAA37oaUF+YJFwTieOylnnw6p4io3pAFrGUunl+dVQkqfe4xt8uNXVwR1EdTTmNwCI2gP
lPa+v+2MOGEGZUmYEbxFhftdSP74e5RmMlJSiNJ4SAS1rdziypEns1fERJESoiZWcfMN1u
Onf8Y7GWr87q2lhChpE0m7It7Hbbb2x7isWq6TkneiqonyyGCohho4tCtspiVVa5+azDoMXRTZF
M8EvwULK9hCAqMTt1UctrHphBR0U/wsdRUVj6pHHDXmXB5kk9D2/xjWZhrpqKKpMSyaUYaz
EoK7gBbDfe/S+I1WytiXK80yeoqaqaOmgp6PVaKby2lI2Nvr+oxGvzdM4p5KPIuJ8Qq6oxwdIJ/qJ
2wPDlk2ZqtUIYYqhkQ6I1CaCCSSL8r/0g7Y4UWYzZqyiaNYTE0bOAvE3vvqW3IW6
4Kiugyb0BwZMyQwxtURwMNMKp8IjtcAgDkDyvvfkcKZ8onetrXbMCswj4ISJQQNrXOkkG4s
PQYtzMVOQ8VoePNUPoVp+FvNpXTrHmPQ2Jt0w1yXPqzMEDx0UCqqkka9LsQOQBAN9ul7Y
LqtgXTHZUkeZNrjqJKhY11tHEjAtb+HfYfc4fVma5hUwSJKYqGkCDQiSW2vuDbzHp0Ax1XPmhf
4YyCnC+ZS0ZUDrs4/3xGhyqCSsT9q1S8IgBpDGdFzvp3J78/wA4ik48Hey6BjlmQmaICHikuZF
U3C38t+u/Ox9veUnimRPh56haeZmWyvHHb7HpfG6pqOKMSBVtc2BI5i3bt2wjzfw9
JEiTZIyxNECWg5LKe/Mbjty36YbNN0bCVWJxma5lBHRyZbI9jqSVrrp9dR9/r2wZQ5VSh0eq
zN5ZotohpASInnZABvbrjK5vJLXSqXZaWanY2VYLFW9dxv8A74EWqzSEFhmXkKldLUgJtzI

vq2xRKhHs37QMJ+EK+KVCbjWNOnuSSdzhVXVEWXMlMuZwNIjXKCGwUdCW1H/Ppj5tUZ9
W1GlpZamWOMeV12AI9P8AOOjNVWAPQZcZZpCCs4S7J6X5c9788FzRlA+kZlm3GlMk
eeQxuGDHRTAi9rX3J9L2PLncDCSrzaeEJTQ13xESusnGWPhsSq6FBHLZQBfme5xnl8L1z
wOZ5Iop7HylwW+pGwH1w48M+BJ9JzPPIjw411R0x/iIBsW9OW33xNNS4xpJx6N6PxGzVa
wxApAwFg9tjYD9NsOajMJnbWbAk3tpB/X6fbC7LctyqBZmWgWmqZAP3kKix9Cp+W9zutsF
VUcpdVjA321NsDtzxnQUVmYly7C5O978ziHH1EXXckHfE6mjkCIoO5HMHFSwmnqIJZ7gC
Rb9RzwAsvzCQinCg/8AkAOOh0ta21ueK/FMpMMPC/8A0Je299mJv9sdQ63I1XAUfKMMxU
GvICgAsT3Ix2PQ+k6WO/PcdMdgBo7JyzIM2q5YISblmkhVWk6XJ20374PzDMazOHFJE01I
pQ6zAAxTbaxsR9sZaqzzMMzkgFTklPqUao0kci1rb29O5GHc0ucTUumSOIJUFeJolKsFv32
O4wczLzoooqAxtBHSmqnpIgyNWK4uSOYYWuD027b4uzOpq1reFlCxvWiOyxaCdQNr7C53
x7BPVrQR5bS/E1Ueq08zkEKpO/W5xRU5vm0A/Z+V0TRRhNnWzlh3JsBf35YdNUI0RAz2d
eLWQQ0ZA8qzOqFjfoLFgPtzwozJqtXM0KIldHHdF1llZQL+T3PS3XETUZn8XEtRNS2YnXxZ
01kbbAi578sG1VOTTyn4iOMkXjuOtu/vic6e09lIJrTWjP8AhPxJn/xrU8xdYHQyhWjBXVzuQ2/
2th3U+Jcrq0eXNKZ4ZIWVPiaV9Bub2XTupvc9RzwDFwZwGnX4aqmPDkCHW0o7rbkfW3b
HlNkOV08Hw/EqKmnaQySayy6e2o2HLBjK0aUaZo8hzI0hSKir4q+ldvLSN+6mjHYBufsDbGn
pswgrk1QyMQNmVlsR6b4+SVWWwHNRT0s9KGcErVTkSFBa9gl+e3M25iwxocvRcrRJKGp
qJKjVu9TJ5ZB27/XpibV7YybWkaTP/DmX59oepjtLFtHKrlSfQ2tfGFl8PvTVskGZ8RNyylJG0Fb9

N+nbnjeZTnEOZBuF5JlH7yEm5Q+nceuC6yCGugaCpQPEeYva2BboNJuzAeJZooYaKHLnpqe
aNLJI1uEAbXAvz5A36YCpaWqrHUVviYSyynSIqWK7N6bAnBud+EmpZJJWRKunCkpJ
LIUMXYbdL3/xht/6b0mUUdOslHULNWts76tRNui32+1jhlFMGTVjTw54LpcukWsqGeepHyrJI
zKnrYkjUPxjWywg0FUp6wuDbf8AhOI09pANJYg/xKfwcE6dMMilWK6SLrc/5xdJJEG7ZgogA
g3IsOuLomF7DbFa3WMW7YH+MCVMcVjqI3v64jwrQaQwLb2wNOQJIvL/AOQdeWCDKpU
ptvgeZo2niDG++4J25YwfohmyqHpoyBZqpSPTYk3wfTlFKx7XAtfvhTnjkS0Ejarlwb7WsQT29
MHcQh0Y6Tc79MM3omkG1KDWbgW5bY7FbVFmN1v749wBqLaBYGUMzxKehkcnfbn1OK
8xVakODUKgY+YI9jy9r/74Bn3Bvvy/tj2kVQmygbX5dcZfIMvjwkuWx0FHFFFPHIqkqERjffcnAtXH
JYAxtKh2ZdQ8o9jhpYBRYDn/AGxTIfOv1xVLRNsUrTi3Dij4S8xcAW+uBqmlq5WC/E3jW+
ocO7Fu4bp9sPHAINxfY/piCqug7D7Y2ETZszv7Ohp2LgNqJF2J7Yvjp6jNA9LDAsyjYvI1kS/q
evoMH1gHDbbDvKVVKeyAKA4AAFrbYWVLgU2+mdyzwqKZ5ojLJHTxsF4yXDS7b2PMAE8
+uBvFeXVNEizwSTVCW0cIkHzdDq/l6nbG5sGqrMLjbn7YQZh5qtA24CmwPTfE8U+lLa4Z
eK
tjy3KY+GXmr+JrMoQxiHvp23HS29+uNV4e8SDMo1jqkMNTYbEbSe3r6YVZ+ijKpyFAOg
nl6
YweUTStJMGkchZjYFjtscCarhoO9n2x3WRdLqLHmOhHtjH554ZaJjW5ChE4N2p1YAG38t
9h
y5Yd5SzPldO7ksxQXYm5wQpPxKC55Y1DWIaHxLWZPIn7TifhOovIWsR/VfqO5++N3Q+
JssrFiSkldndLheG1h6FrWvscJJ4opKqPiRo2oC+pQb88CZg7LltO6sQwVrMDuNxjKTiBxUj
wFbW
LAAH735HA1VTA1EU631DY+uBackwLf+Q/g7YaS/8AwL/WMEWyiK6zkkeS1wcUFlFbCL
Fi8
lgPocEL/qm/ob9RgKP/AO5p/r+hwOBZZ4hUcajQAizW39jggWMarMqnfv8AnA/iD/V05662
3+ hwTCAaNSRc2GHmTgeRmXjEm3BIst7c8dimYkcK21lAHpscdiVlT//Z"><div
class="title">Earthquake<P>An earthquake is a phenomenon that occurs without warning
and involves violent shaking of the ground and everything over it. It results from the
release of accumulated stress of the moving lithospheric or crustal
plates.</P>

```
    </div>
</div>
    </body>
</html>
```

intro.html

```
<html>
    <head><title>homepage</title>
    <style>
        .Main{
            background-color:darkcyan;
            justify-content: center;
            align-items: center;
```

```
    height: 100%;
    display:flex;
}
.navbar
{
    background-color:darkgrey;
    color:black;
    width: 100%;
    height: 40px;
}
.navbarul
{
    display:flex;
    justify-content:flex-end;
    align-content: space-between;
    list-style: none;
    margin-top: -10px;
}
.navbarlabel
{
    font-size: 25px;
    margin-left: 40px;
    font-weight: bold;
}
ul li
{
    width: 15%;
    font-size: 20px;
    font-weight: bold;
    margin-top:-10px;
    font-family: Cambria,Cochin, Georgia, Times,'Times New Roman',serif;
}

li a
{
    text-decoration: none;
    color:whitesmoke;
}
a:hover
{
```

```
        background-color:darkcyan;

        border-radius: 5px;
      }

      .Main
      {
       text-align: center;
       color:wheat;
       font-family:'Segoe UI', Tahoma, Geneva, Verdana,sans-serif;
       font-size: 12px;
      }
    </style>
    </head>
    <body>
       <navclass="navbar">
          <label>AI BasedNatural-Disaster-Analysis</label>
          <ul>

             <li><a
href="C:/Users/DELL/IBM-PROJECT/flask/template/home.html">Home</a></li>
             <li><a
href="C:/Users/DELL/IBM-PROJECT/flask/template/intro.html">Introduction</a></li>
             <li><a href="openwebcam.html">Open Web Cam</a></li>
           </ul>
        </nav>
       <divclass="Main">
          <h1>
             <span> China, India and the United States </span> <span> are among the countries
of the world most </span> <span> affected by natural disasters. </span > <span> Natural
disastershave the potential to wreck and even end the livesof those people,</span>
<span>who stand in their way.</span> <span>  However, whether or not you are likely to be
</span> <span> affected by a natural disaster greatly depends</span > <span> on where in
the world you live,</span>
             <span> The objective of </span> <span> the project is to</span> <span>human
build a </span > <span> web application </span> <span> to detectthe </span> <span> type of
disaster .</span> <span> The input </span > <span> is taken from the in built web
cam,</span>
           <span> which in turn </span> <span> is </span> <span> given to the  </span >
```

pre trained model . The model predicts the   type of disaster   and displayed on UI.

```
            </h1>
        </div>
    </body>
</html>
```

upload.html

```
<html>
   <head><title>homepage</title>
   <style>
      .Main{
         background-color:azure;
         justify-content: center;
         align-items: center;
         height: 100%;
         display:flex;
      }
      .navbar
      {
         background-color:rgb(238, 81, 81);color:darkslategrey;
         width: 100%;
         height: 40px;
      }
      .navbarul
      {
         display:flex;
         justify-content:flex-end;
         align-content: space-between;
         list-style: none;
         margin-top: -10px;
      }
      .navbarlabel
      {
         font-size: 25px;
         margin-left: 40px;
```

```
        font-weight: bold;
    }
    ul li
    {
        width: 15%;
        font-size: 20px;
        font-weight: bold;
        margin-top:-10px;
        font-family: Cambria,Cochin, Georgia, Times,'Times New Roman',serif;
    }

    li a
    {
        text-decoration: none;
        color:black;
    }
    a:hover
    {
        background-color:honeydew;

        border-radius: 5px;
    }

    .Main
    {
     text-align: center;
     color:wheat;
     font-family:'Segoe UI', Tahoma, Geneva, Verdana,sans-serif;
     font-size: 12px;
    }
    img{
     height:80%;
     width:100%;
    }
</style>
</head>
<body>
    <navclass="navbar">
```

```
        <label>AI BasedNatural-Disaster-Analysis</label>
        <ul>

            <li><a
href="C:/Users/MAHALAKSHMI%20G/Downloads/buildhtml/home.html">Home</a></li>
            <li><a
href="C:/Users/MAHALAKSHMI%20G/Downloads/buildhtml/intro.html">Introduction</a></li>
            <li><a
href="C:/Users/MAHALAKSHMI%20G/Downloads/buildhtml/openwebcam.html">Open Web
Cam</a></li>
          </ul>
      </nav>
     <divclass="Main">
       <img
src="https://images.unsplash.com/photo-1532883130016-f3d311140ba8?ixid=MXwxMjA3fD
B8MHxwaG90by1wYWdlfHx8fGVufDB8fHw%3D&ixlib=rb-1.2.1&auto=format&fit=crop&w=1
050&q=80">
      </div>
   </body>
</html>
```

GitHub

https://github.com/IBM-EPBL/IBM-Project-27247-1660051833

Project Demo Link

https://drive.google.com/file/d/1s9C8c2AqfvuPrV3NUS7huvQaH-WYPTXf/view?usp=sharing