



Natural Disaster

A natural disaster is characterized by the abnormal intensity of a natural agent (flood, mudslide, earthquake, avalanche, drought) when the usual measures to be taken to prevent this damage were not able to prevent their emergence or were not able to be taken. An interministerial order notices the state of natural disaster. He allows the compensation of the damage directly caused to the insured goods, set up by the 13 July 1982 law, relative to the compensation of the victims of natural disasters. A natural disaster is recorded only if it causes damage not covered by usual insurance policies. Forest fires and damage related to wind are not the subject of natural disaster rulings because they are insurable in conformance with the basic guarantee. In that case, no order of natural disaster is taken even if goods were destroyed.

Natural disasters have the potential to wreck and even end the lives of those people, who stand in their way. However, whether or not you are likely to be affected by a natural disaster greatly depends on where in the world you live. The objective of the project is to human build a web application to detect the type of disaster. The input is taken from the in built web cam, which in turn is given to the pre trained model. The model predicts the type of disaster and displayed on UI.



Cyclone

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. The air circulates inward in an anticlockwise direction in the Northern hemisphere and clockwise in the Southern hemisphere.



Earth Quake

Earthquakes are caused mostly by rupture of geological faults but also by other events such as volcanic activity, landslides, mine blasts, and nuclear tests. An earthquake's point of initial rupture is called its hypocenter or focus. The epicenter is the point at ground level directly above the hypocenter.



Flood

A flood is an overflow of water on normally dry ground. Floods are the most frequent type of natural disaster and occur when an overflow of water submerges land that is usually dry. Floods are often caused by heavy rainfall, rapid snowmelt or a storm surge from a tropical cyclone or tsunami in coastal areas.



Wildfire

A wildfire, forest fire, bushfire, wildland fire or rural fire is an unplanned, uncontrolled and unpredictable fire in an area of combustible vegetation starting in rural and urban areas. Some forest ecosystems in their natural state depend on wildfire. Depending on the type of vegetation present, a wildfire can also be classified more specifically as a bushfire (in Australia), desert fire, grass fire, hill fire, peat fire, prairie fire, vegetation fire, or veld fire.