Ideation Phase Define the
Problem Statements

Date	17 OCTOBER 2022
Team ID	PNT2022TMID28517
Project Name	Natural Disaster Intensity Analysis And Classification Using Artificial Intelligent
Maximum Marks	2 Marks

Problem Statement:

- Natural Disaster one of most inevitable disasters, it can be causedby naturally occurring events such as earthquakes, cyclones, floods, andwildfires.

- A natural disaster can cause loss of life or damage property likebuildings will collapse due to seismological effects, and typically leaves some economic damage in its wake. diseases/viruses spread and sometimes natural disasters can devastate nations.

- Many deep learning techniques have been applied by variousresearchers 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.

- The defined problem statements lead to focus on building a multilayered deep
Convolutional Neural Network (CNN) model that

classifies the natural disaster and monitors the intensity of its

occurrence.

- For detection, an integrated webcam is used to capture the video frameand is compared with the pre-trained model and the type of disaster is identified and showcased on the user interface.

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Meteorologist	Find the intensity of the natural disaster.	It takes lot of time.	It requires lot of calculations.	Frustrated