

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID51308
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Natural disasters are inevitable, and the occurrence of disasters drastically affects the economy, ecosystem and human life. 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.
2.	Idea / Solution description	a multi layered deep convolution neural network model
3.	Novelty / Uniqueness	This model that classifies the natural disaster and tells the intensity of disaster of natural. That uses an integrated web cam to capture the vedio frame and the vedio frame is compare with the Pre-trained model and the type of disaster is identified and showcased on the open cv window

4.	Social Impact / Customer Satisfaction	The peoples were depressed due to the disaster occure unpredictable time ,but the help of AI model they are happy with that they can avoidthe disaster and save their lives
5.	Business Model (Revenue Model)	Government are the customer who are unable to predict the disaster.The disaster cause huge loses.
6.	Scalability of the Solution	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.