Project Design Phase-I
Proposed Solution Template

Date	18 November 2022
Team ID	PNT2022TMID10415
Project Name	Natural Disaster Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	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.	Idea / Solution description	The proposed model shows better accuracy as compared to the recently developed techniques. The reason for this is that the proposed technique works in two parts: one for natural disaster occurrence detection and the second one for natural disaster classifications.
3.	Novelty / Uniqueness	We proposed multilayered deep convolutional neural network for detection and intensity classification of natural disasters.
4.	Social Impact / Customer Satisfaction	Intensity of the disaster can be measured, which is useful in taking further precautions to avoid damage.
5.	Scalability of the Solution	Natural disasters not only disturb the human ecological system and destroy the properties but also causes death of people. By knowing the Intensity. we can make people vacate to safe places.