Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID26770
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	2 Marks

Proposed Solution Template:

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Natural disasters are inevitable, but their impact can be mitigated with the help of deep learning and neural networks. Providing timely and effective rescue, assistance and rehabilitation at disaster sites can keep people and property out of danger.
2.	Idea / Solution description	Based on the image dataset, catastrophe are recognized and what catastrophe are classified. A built-in webcam that captures video frames and the video frames are compared with a pre-trained model to identify the nature of the disaster and display it in the OpenCV window.
3.	Novelty / Uniqueness	Accurate prediction of disaster intensity without physical human intervention. It will function more effectively and without error amid a disaster.
4.	Social Impact / Customer Satisfaction	AI helps rescue teams understand immediate situations. It can predict ongoing disasters and help people be aware of upcoming disasters.
5.	Business Model (Revenue Model)	Organizations benefit from subscribers paying for specific features. Governments can also use this to generate future income.
6.	Scalability of the Solution	Improve collaboration between current initiatives focused on specific use cases from a few partners into a more impact-oriented network of AIenabled disaster relief.