Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID49084
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 proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	★ Integrating frontier technologies including Artificial Intelligence into existing emergency system can harness the potential of existing data streams and improves hazard mitigation and disaster management
2.	Idea / Solution description	★ AI shows great potential to support data collection and monitoring , the reconstruction and forecasting of extreme events , and effective and accessible communication before and during a disaster

3.	Novelty / Uniqueness	★ Response of During Disaster : ● Search and recuse to identity affected people ● Assess initial damage ● Provide first-aid and humanitarian assistance ● Open and manage shelters ★ Recovery of After Disaster : ● Debris removal ● Precise damage assessment ● Infrastructure destruction and reconstruction ● Restore the livelihood ● Community development
4.	Social Impact / Customer Satisfaction	★ AI impact on society : ● The people can easily identify the type of natural disaster and its effect on the environment which leads to the earlier identification and reduced damage in the ecosystem
5.	Business Model (Revenue Model)	★ We build a system that classifies the natural disaster and its intensity and it is believed that the website is useful for all people and also the website works for a long time effectively

6.	Scalability of the Solution	★ The website will be made available for all the people who need to classify the type of natural disaster. The Machine Learning and Deep Learning Algorithm that are being used made it easier for the Classification and Intensity Analysis