Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID28517
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)	Natural Disaster one of most inevitable disasters, it can be causedby naturally occurring events such as earthquakes, cyclones, floods, and wildfires. 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 andsometimes natural disasters can devastate nations. 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 thecomplex and imbalanced structures of images.
2.	Idea / Solution description	By predicting to occurrence of natural disaster, we can save thousands of lives and take appropriate measures to reduce property damage
3.	Novelty / Uniqueness	The computer model is updated every 12 hours with the latest satellite data and observations, thereby allowing scientists toissue forecasts and warnings
4.	Social Impact / Customer Satisfaction	The most vulnerable are citizens and children. It can save lives of people can minimize the loss of infrastructure finance.
5.	Business Model (Revenue Model)	The model is tested on 4428 natural images and performance is calculated and expressedas different statistical values.
6.	Scalability of the Solution	A fast scalable implicit solver for nonlinear time-evolution earthquakes city problem on low-ordered unstructured finite elements with artificial intelligence.