

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID40634
Project Name	Project - Natural Disaster Intensity Analysis and classification using AI
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)	Problems can come in the form of Hazardous waste, Property damage, Structural damage to buildings. Loss of utilities like electricity and water. Debris cleanup and waste management solutions.
2.	Idea / Solution description	Nature-based solutions, such as conserving forests, wetlands and coral reefs, can help communities prepare for recovery from disaster.
3.	Novelty / Uniqueness	The computer model is updated every 12 hours with the latest satellite data and observations, thereby allowing scientists to issue forecasts and warnings.
4.	Social Impact / Customer Satisfaction	Coping capacity, cultural impacts, loss absorption, loss acceptance, loss of livelihood, psychological impacts, social vulnerability.
5.	Business Model (Revenue Model)	The model is tested on 4428 natural images and performance is calculated and expressed as 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.