

**Project Design Phase-I**  
**Proposed Solution Template**

Date	24 September 2022
Team ID	PNT2022TMID13948
Project Name	Natural Disasters 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.

<b>S.No.</b>	<b>Parameter</b>	<b>Description</b>
1.	Problem Statement (Problem to be solved)	To reduce to avoid potential losses from hazards assure prompt and appropriate assistance to victims of disaster and achieve rapid and effective recovery.
2.	Idea / Solution description	High-quality data are the foundation for understanding natural hazards and underlying mechanisms providing ground truth, calibration data and building reliable AI-based algorithms
3.	Novelty / Uniqueness	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.
4.	Social Impact / Customer Satisfaction	People can rapidly aware from the disaster using AI can help response teams understand natural hazards, monitor events in real time, and anticipate specific risks in the face of impending or on-going disasters .
5.	Business Model (Revenue Model)	An integrated model of disaster management is a tool for organising the involved activities in order to ensure effective and efficient implementation, and four factors can be identified for it: hazard assessment, risk management, mitigation and preparedness.
6.	Scalability of the Solution	Enhance collaboration between current initiatives, focused on specific use cases between a few partners, into a more impact-focused network of AI-driven disaster support.