

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID30264
Project Name	Project – Natural disasters intensity and analysis
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 intensity and effect analysis using Artificial intelligence.
2.	Idea / Solution description	The techniques applied are: deep learning, artificial neural network for segmentation and machine learning techniques.
3.	Novelty / Uniqueness	It is based on multispectral images using a multi-layered deep convolutional neural network.
4.	Social Impact / Customer Satisfaction	AI data can forecast extreme weather events. Locate the fastest evacuation route. It is a future for rapid detection.
5.	Business Model (Revenue Model)	We give a solution to the natural disaster intensity and effect analysis. We believe it could work for a long time.
6.	Scalability of the Solution	AI algorithms could instantaneously assess flooding, building and road damage based on satellite images and weather forecasts, allowing rescuers to distribute emergency aid more effectively and identify those still in danger and isolated from escape routes.