

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

Date	3 November 2022
Team ID	PNT2022TMID13492
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.

Sl.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To identify natural disaster intensity level and classification based on the webcam image given as input using Artificial Intelligence (AI).
2.	Idea / Solution description	The classification is done by Machine Learning and Deep Learning techniques such as Convolutional Neural Network (CNN) and Artificial Neural Network (ANN).
3.	Novelty / Uniqueness	It is based on the satellite and multi-spectral image and the classification using Multi-layered Deep Convolutional Neural Networks.
4.	Social Impact / Customer Satisfaction	The people can easily identify the type of natural disasters and its effect on the environment that leads to the earlier identification and reduced damages in the environment as well as economy.
5.	Business Model (Revenue Model)	We build a system that classifies the natural disaster and its intensity level and it is believed that the model is available for all people, also the model provides long term reliability.
6.	Scalability of the Solution	The model will be created for all the people who needs to classify the type of natural disasters. The Machine Learning and Deep Learning techniques were used for the classification and intensity analysis.

