

Project Design Phase-I Proposed Solution Template

Team ID	PNT2022TMID44028
Project Name	Project – Natural Disaster Intensity Analysis and Classification using Artificial Intelligence

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)	The main purpose of this model is to detect and classify the type of disaster with a high accuracy rate.
2.	Idea / Solution description	The classification is done by deep learning techniques such as Convolutional Neural Network (CNN) and Machine Learning Techniques.
3.	Novelty / Uniqueness	It is based on the satellite and multispectral image and the classification using Multi-layered Deep Convolutional Neural Networks.
4.	Social Impact / Customer Satisfaction	Environmental issues There are severe effects of natural disasters on the whole environmental system. ... Humanitarian crisis Natural crises lead to humanitarian catastrophes all over the world. Damages to infrastructure Natural disasters usually also imply great damage to the affected infrastructure
5.	Business Model (Revenue Model)	how businesses deal with natural disasters can have a powerful impact on their survival. Whether the disaster is a hurricane, a tornado, an earthquake, mudslides or anything else, it can throw a business's carefully laid plans and projections into disarray.
6.	Scalability of the Solution	Scalability: Implementing disaster recovery measures involves identifying new and scalable solutions, such as the cloud.