

Project Design Phase-I
Proposed Solution Template

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| Date | 10 October 2022 |
| Team ID | PNT2022TMID26356 |
| Project Name | Natural Disasters Intensity Analysis and Classification using Artificial Intelligence |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | Humans need a way to describe and analyse the disaster early so that they can protect themselves from the damages due to the natural disaster. |
| 2. | Idea / Solution description | This project uses a Multi-layered Deep Convolutional Neural Network (pretrained) model to classify Natural Disaster and calculate the intensity of the Disaster. |
| 3. | Novelty / Uniqueness | To overcome the non-clarity image issues, the project uses the integrated webcam to capture the video frame and compare the data with pre-trained data |
| 4. | Social Impact / Customer Satisfaction | By the application humans can do the safety precautions to avoid the damages from the natural disasters, reduce the damages and use of Deep CNN algorithm with video frames accuracy improved. |
| 5. | Business Model (Revenue Model) | The software requirements are affordable and reliable. |
| 6. | Scalability of the Solution | Highly expandible, dependable, reliable, scalable and has robustness |