Project Design Phase-I

Proposed Solution

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| Date | 08-11-2022 |
| Team ID | PNT2022TMID44913 |
| Project Name | Project – Natural Disaster Intensity Analysis and Classification using Artificial Intelligence |
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**Proposed Solution Template :**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | To classify the natural disaster and the effect based on the webcam image given as input using Artificial Intelligence. |
| 2. | Idea / Solution description | The classification is done by deep learning techniques such as Convolutional Neural Network and Machine Learning Techniques. |
| 3. | Novelty / Uniqueness | It is based on the satellite and multispectral image and the classification using Multilayered Deep Convolutional Neural Networks. |
| 4. | Social Impact / Customer Satisfaction | The people can easily identify the type of natural disaster and its effect on the environment which leads to the earlier identification and reduced damage in the ecosystem. |
| 5. | Business Model (Revenue Model) | We build a system that classifies the natural disaster and its intensity and it is believed that the website is useful for all people and also the website works for a long time effectively. |
| 6. | Scalability of the Solution | The machine learning and deep learning algorithms that are being used made it easier for  the classification and intensity analysis. |