|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Project Design Phase-I** | | | |
|  | **Proposed Solution** | | | |
|  |  |  |  |  |
| Date |  | 21 September 2022 | |  |
| Team ID |  | PNT2022TMID31240 | |  |
| Project Name | | Project – Natural Disaster Intensity Analysis and | |  |
|  |  | Classification using Artificial Intelligence | |  |
| Maximum Marks | | 2 Marks | |  |
| **Proposed Solution Template :** | |  |  |  |
|  |  |  |  | |
| **S.No.** | **Parameter** |  | **Description** | |
|  |  |  |  | |
| 1. | Problem Statement (Problem to be |  | To classify the natural disaster and the effect | |
|  | solved) |  | 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 | |
|  |  |  | (CNN) 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 website will be made available for all the | |
|  |  |  | people who needs to classify the type of natural | |
|  |  |  | disaster. The machine learning and deep learning | |
|  |  |  | algorithms that are being used made it easier for | |
|  |  |  | the classification and intensity analysis. | |