**PROJECT DEVELOPMENT PHASE**

**SPRINT 1**

|  |  |
| --- | --- |
| DATE | 7 NOVEMBER 2022 |
| TEAM ID | PNT2022TMID34201 |
| PROJECT NAME | NATURAL DISASTER INTENSITY ANALYSIS AND CLASSIFICATION USING ARTIFICIAL INTELLIGENCE |

|  |  |
| --- | --- |
| ACTIVITIES | STATUS |
| Collection of dataset | Completed |
| Image preprocessing | Completed |

**Collection of dataset:**

Collect images of disaster-prone areas organized into subdirectories based on their respective names .

In this project, we have collected images of 4 types of natural disasters Cyclone, Earthquake, Flood, and wildfire and they are saved in the respective subdirectories with their respective names.

**Image preprocessing:**

Image Pre-processing includes the following main tasks

* Import ImageDataGenerator Library.
* Configure ImageDataGenerator Class.
* Applying ImageDataGenerator functionality to the trainset and test set.

The ImageDataGenerator accepts the original data, randomly transforms it, and returns only the new, transformed data.