PROJECT DEVELOPMENT PHASE

SPRINT 1

DATE	7 NOVEMBER 2022
TEAM ID	PNT2022TMID34177
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.