Date	08 November 2022
Team Id	PNT2022TMID26356
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Marks	2 Marks

PROJECT OBJECTIVES

- Integrating frontier technologies including Artificial Intelligence (AI) into existing emergency systems can harness the potential of existing data streams and improve hazard mitigation and disaster management.

- When using AI to detect extreme events such as avalanches orearthquakes, the availability of data can be a limiting factor.

- AI-based methods can be very effective if a training dataset covers very large events. However, the availability of such data is limited because ofthe rarity of these events.

- This can be achieved by using the Deep Learning and CNN model withthe cumulative effect of the Artificial Intelligence technology.

- The objectives of this project can be summarized as follows:

    - We will be able to learn how to get and prepare the dataset.

    - We will be able to know how to do image

processing.

- We will understand how CNN layers are work.
- Classify images using a Convolutional Neural Network.
- We will be able to know what are the activation functionscan be used.
- We will be able to know how to read images using Open CV.
- We will know convolutional Neural Networks for Computervision AI Problems.

- Upon completing all the above mentioned tasks or milestones we can obtain a model which can predict the forest fires at an early stage.