Date	09-11-2022
Team Id	PNT2022TMID30630
Project Name	**Natural Disasters Intensity Analysis and Classification using Artificial Intelligence**
Marks	2 Marks

OBJECTIVES:

Artificial intelligence models have shown significant progress and superiority in handling massive and non-linear data due to their increased accuracy and efficiency, making them perfect tools for disaster monitoring and management. When using artificial intelligence to detect extreme events such as avalanches or earthquakes, the availability of data can be a limiting factor. AI-based methods can be very effective when the training dataset includes very large events. However, the availability of such information is limited due to the rarity of these events. The objectives of disaster relief are:

• Acquisition of essential goods. Rehabilitation of disaster victims.

 • Protective measures to reduce the intensity of future disasters.

• Rescue of those affected by the event and liquidation of the resulting damages.

The purpose of disaster relief is to reduce or prevent potential losses resulting from hazards, to ensure rapid and adequate assistance to victims of disasters, and to achieve rapid and effective recovery. Artificial intelligence (AI), especially machine learning (ML), is playing an increasingly important role in disaster risk reduction (DRR) - from predicting extreme events and developing hazard maps to detecting events. time, providing situational awareness and decision support.