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Teamid	PNT2022TMID06689
ProjectName	NaturalDisastersIntensityAnalysis and Classification using ArtificialIntelligence
Marks	2Marks

OBJECTIVS

Artificial intelligence (AI) models have shown remarkable success and superiority tohandlehugeandnonlineardataowingtotheirhigheraccuracyandefficiency, making them perfect tools for disaster monitoring and management.

When using AI to detect extreme events such as avalanches or earthquakes, theavailability ofdatacanbealimiting factor. AI-basedmethods canbeveryeffective a training dataset covers very large events. However, the availability of such dataislimited because of the rarity of these events.

Theobjectivesofdisastermanagementare:

- Supplyofessentialcommodities.Rehabilitation of disastervictims.
- Protectivemeasurestoreducethe intensityoffuturedisasters.
- Rescueofvictimsbytheeventandanddisposal oflossessufferred.

Disaster management aims to reduce, or avoid, the potential losses from hazards, assure prompt and appropriate assistance to victims of disaster, and achieverapidandeffectiverecovery. Artificial intelligence (AI), in particular machine learnin g(ML), is playing an increasingly important role in disaster risk reduction (DRR) — from the forecasting of extreme events and the development of hazard maps to the detection of events in real time, the provision of situational awareness and decision support.