Ideation Phase Brainstorm & Idea Prioritization Template

Date	15 September 2022
Team ID	PNT2022TMID34240
Project Name	Project – Natural Disaster Intensity Analysis and Classification Using Artificial Intelligence
Maximum Marks	4 Marks

Step-1: Team Gathering, Collaboration and Select the Problem Statement



Problem Statement

Natural catastrophes not only disrupt the ecology that supports human life, but they also obliterate vital facilities and properties A human society, changing the ecosystem permanently. Natural occurrences like earthquakes, cyclones, floods, and wildfires can bring disaster. To mitigate ecological losses from natural disasters, several deep learning approaches have been used by numerous researchers. However, identification of natural disasters still has difficulties because of the complex and unbalanced image structures. In order to address this issue, we created a multilayered deep convolutional neural network model that detects natural disasters and estimates their intensity.



Step-2: Brainstorm, Idea Listing and Grouping

Previous history Artificial currently AI can can be used for Accurate intelligence is predict four data analytics playing increasingly intensity types of natural which is more important role in disasters prediction disaster risk effective for future accurately. reduction predictions With an Al strategy in With enormous amounts Al analyses the data Artificial intelligence place, disaster of good quality datasets, to learn about the can improve disaster response will be quick Al can predict the patterns of various as possible, also the response, from occurrence of numerous earthquakes and reducing the time to amount of unplanned natural disasters, which downtime could be can be the difference predict where the assess damage and reduced to virtually between life and death effectively deliver aid. aftershock might hit... for thousands of people nothing. It is important to Al based The system would tsunami can be analyze and assess algorithms can use AI to analyze predict through the extent of images of disaster organize combining global damage and ensure and predict the disaster data in navigation the right aid goes damage they could the order of first those who satellite system cause. need it most. data with Al. severity.

Step-3: Idea Prioritization

4

Prioritize

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Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

