Ideation Phase Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID24149
Project Name	Natural Disasters Intensity Analysis and
	Classification using Artificial Intelligence
Maximum Marks	4 Marks

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





Brainstorm

Jahnavi Priya

It evaluates how severe the impending tragedy will be

Without any direct physical human intervention, disaster intensity can be forecast.

It'll be a benefcial invention for this society

It takes information from the built-in webcam to record video and an image frame.

It helps to reduce the property damage Causalties can be reduced with the Al's prediction.

Rescue team can tend to the needs of victims without any human intervention with the help of Al Al is the future technology that can help to protect both people and environment before or after the occurence of disaster.

Meghana

It can easily predict and take actions without any human intervention

Early and accurate predictions ensures safety of people and other livestocks included

Livestock can be saved giving hope for their future even after the disaster occurs

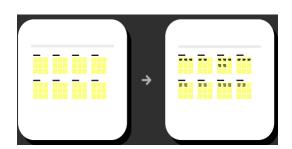
Rescue team can work faster than ever with the accurate forecasting of AI, thus reducing damages and casualties

safegaurd and make available vital materials, supplies and equipment to ensure the safety and recovery of records from predictable disasters.

aims to reduce,or evoid,the potential losses from hazards, assure prompt and appropriate assistance to victims of disasters, achieve repid and effective recovery.

the goal of disaster prediction is to maximize cizitiens awarness of the importance of proactive planning, and encourage participation in disaster prepardness activities. disaster prediction is very important to avoid the enormous number of deaths caused by the hazardeous disasters.

Charitha Pallavi





Group ideas

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Accurate intensity prediction

With enormous amounts of good quality datasets, Al can predict the occurrence of numerous natural disasters, which can be the difference between life and death for thousands of people

tsunami can be predict through combining global navigation satellite system data with AI. Previous history can be used for data analytics which is more effective for future predictions

Al analyses the data to learn about the patterns of various earthquakes and predict where the aftershock might hit...

Al based algorithms can organize disaster data in the order of severity. Artificial intelligence is playing increasingly important role in disaster risk reduction

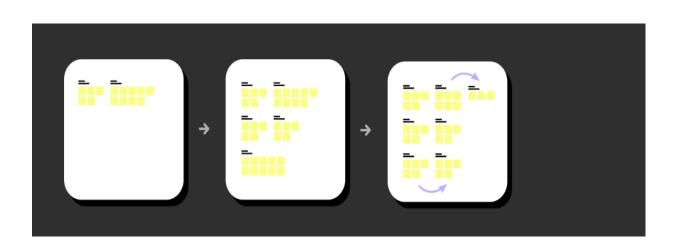
Artificial intelligence can improve disaster response, from reducing the time to assess damage and effectively deliver aid.

The system would use AI to analyze images of disaster and predict the damage they could cause.

currently AI can predict four types of natural disasters accurately.

With an Al strategy in place, disaster response will be quick as possible, also the amount of unplanned downtime could be reduced to virtually nothing.

It is important to analyze and assess the extent of damage and ensure the right aid goes first those who need it most.



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Prioritize

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A desktop-It operates based GUI using Al more precise system with Technology natural real-time storm without Human disaster prediction is Intervention forecasting available. The suggested sort the natural technique helps catastrophes forecast the according to short-term different criteria spread of a wildfire. A fully connected Neural Network for segmentation that The CLIPER model and uses many levels of MultiVariable gradient boosting tree were pattern recognition employed to predict cyclones. Using To access the seismological model for data, quickly detecting flood and accurately damage areas, detect use a few earthquakes parameters. Prediction is Create a platform based on for the general public to use for Historical early tsunami Data, prediction and information



Feasibility

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

