

## Ideation Phase

### Brainstorm & Idea Prioritization Template


Date	19 September 2022
Team ID	PNT2022TMID41481
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

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### Problem Statement

Natural catastrophes not only disrupt the ecology that supports human life, but they also obliterate vital facilities and properties in 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.



#### Key rules of brainstorming

To run an smooth and productive session

 Stay in topic.	 Encourage wild ideas.
 Defer judgment.	 Listen to others.
 Go for volume.	 If possible, be visual.

## Step-2: Brainstorm, Idea Listing and Grouping

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### Brainstorm

#### Divya V

It evaluates how severe the impending tragedy will be

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

It'll be a beneficial invention for this society

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

#### Suretha R

It can easily predict and take actions without any human intervention

Early and accurate predictions ensures safety of people and other livestock 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

#### Rajakumari N

It helps to reduce the property damage

Casualties can be reduced with the AI's prediction.

Rescue team can tend to the needs of victims without any human intervention with the help of AI

AI is the future technology that can help to protect both people and environment before or after the occurrence of disaster.

#### Gomathi V

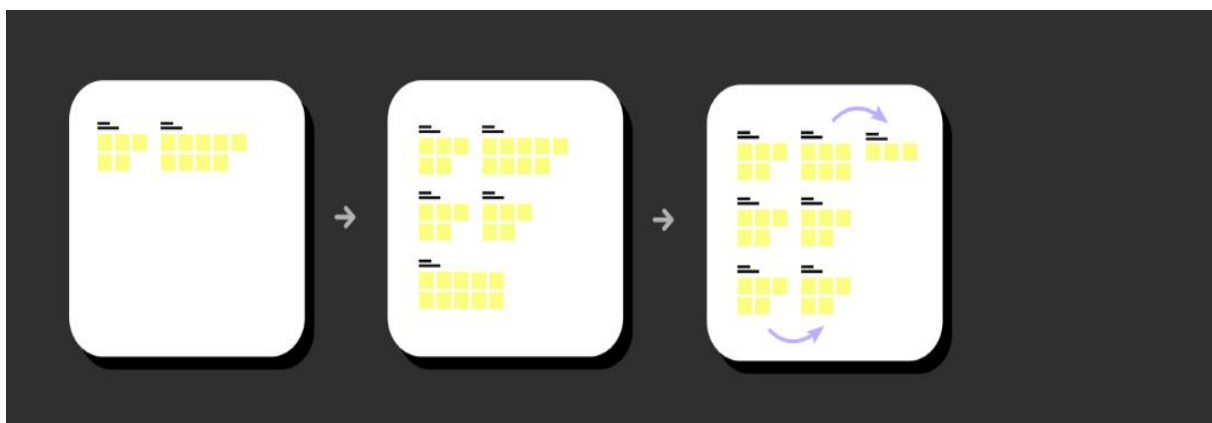
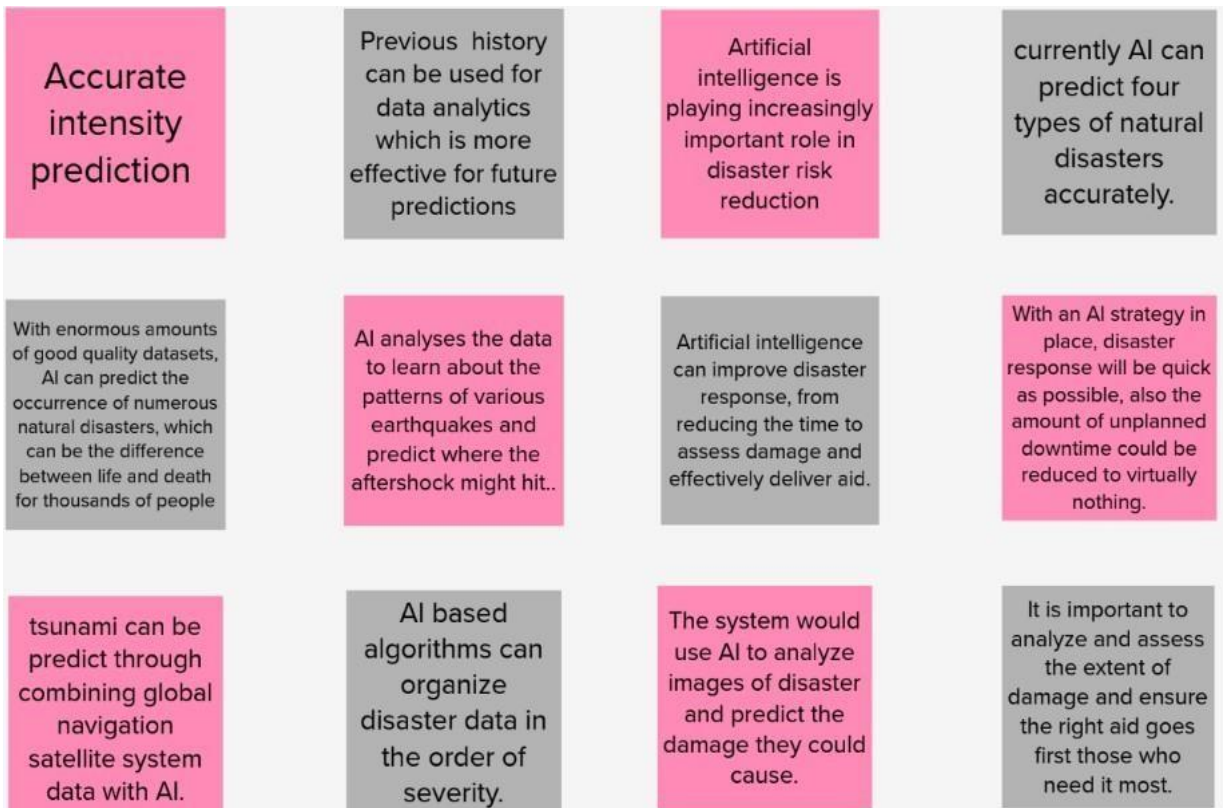
safeguard and make available vital materials, supplies and equipment to ensure the safety and recovery of records from predictable disasters.

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

the goal of disaster prediction is to maximize citizens awareness of the importance of proactive planning, and encourage participation in disaster preparedness activities.

disaster prediction is very important to avoid the enormous number of deaths caused by the hazardous disasters.

## Group ideas



### Step-3: Idea Prioritization

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#### Prioritize

