

Date	31 October 2022
Team ID	PNT2022TMID4554
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

Template

Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

A Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

C Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#)

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM

How might we [your problem statement]?

Key rules of brainstorming

To run a smooth and productive session

Stay in topic.

Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

If possible, be visual.

Share template feedback

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

DEEPA.A

CNN model is used to extract hand images from user images and then they are used to solve the disaster detection.	Naturally occurring events that cause problems in environment.	To reduce the effects, a webpage is designed.
Huge amount of dataset is needed for training.	Disasters like earthquakes flood, wildfires are clearly using this model.	
AI can predict four types of natural disasters, including earthquakes.	Natural disasters affect the ecosystem.	Detect and classify the type of disaster with high accuracy rate.

VINOTHINI.R

AI can help respond better, understand natural hazards, monitor events in real time.	Many lives have been affected due to the natural disaster.	Discovered using deep learning techniques like convolutional neural networks.
The proposed system efficiency and accuracy were tested on several datasets and it outperformed other methods to give the highest results.		Work with open CV.
Reduce the loss of life.	Natural hazards can also be prevented or affected by anthropogenic factors.	Done by using Deep Learning techniques like CNN.

SHERIN.S

Live image data are taken for classification.	To carry out disaster prediction better were used where people share their views.	Deep Learning techniques have been applied.
The forecasting of extreme events and the development of hazard maps by the detection.		A natural disaster can causes loss of life and property.
Live images can be captured using webcam and then tested.	With the help of neural network, it is possible to predict floods and warn houses from disaster.	Large images are needed for better accuracy.

KAVINILAVY.R

A model to predict extreme anthropogenic hazards has been developed.	To Classify the natural disasters.	It classifies the natural disaster based on the image.
Necessary for the earlier classification.		AI to detect extreme events such as earthquakes.
Classifies based on image.	In particular, PM, is playing an increasingly important role in disaster risk reduction.	Observation made that natural hazards with a similar origin, phenomenon, process (disaster phenomenon) have similar a set of risk to monitoring system.

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

Technical Aspects

Create a user friendly GUI that helps classify the natural disaster.	A large dataset is needed for the accurate model.
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Social Impacts

Earlier precaution measures.	Reduce the loss of life.
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Availability of Resources

Image data needed for classification.	Enormous data is needed for the image data.
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People Emotions

People emotions on drastic disasters	People emotions on their beloved families who lost their lives.
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TP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mind!

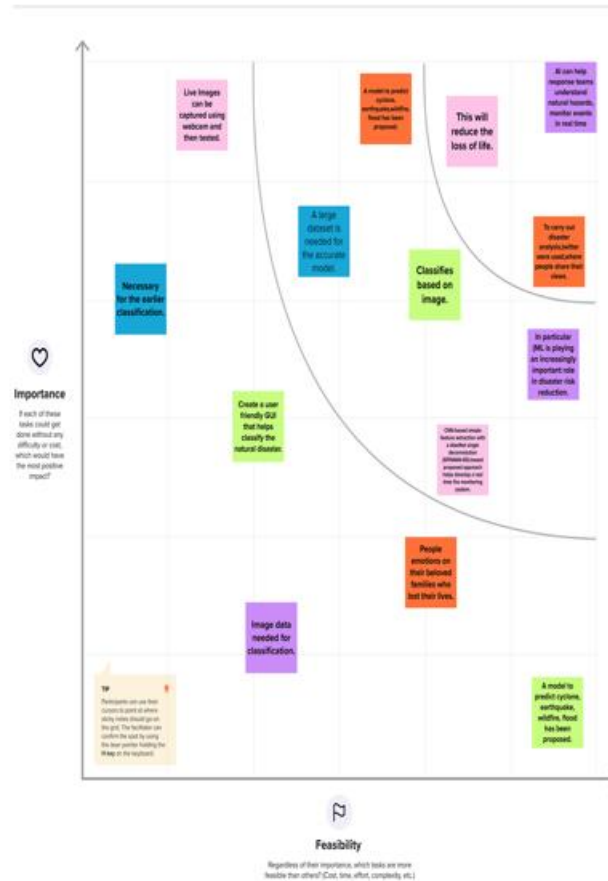
Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



5

After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

- 1 **Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- 2 **Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

- Strategy blueprint**
Define the components of a new idea or strategy.
[Open the template](#)
- Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
[Open the template](#)
- Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
[Open the template](#)

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