

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	1 November 2022
Team ID	PNT2022TMID12341
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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.

[Share template feedback](#)

➕

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

4

Team gathering

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

5

Set the goal

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

6

Learn how to use the facilitation tools

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

[Open article](#)

1

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

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.

Step-2: Brainstorm, Idea Listing and Grouping

2

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

10 minutes

to select the images from the images and use them to create the most accurate.

that cause problems to environment.

educate the effects, a webpage is designed.

Huge amount of dataset is needed for training.

Disasters like earthquakes, floods, wildfires are clearly using this model.

AI can predict four types of natural disasters, including earthquakes.

Natural disasters affect the ecosystem.

Direct and classify the type of disaster with high accuracy rate.

Live image data are taken for classification.

To carry out disaster analysis, better data and better people share their ideas.

Deep Learning techniques have been applied.

The forecasting of extreme events and the development of hazard maps to the detection.

A natural disaster can causes loss of life and property.

Live images can be captured using webcams and then trained.

With the help of neural networks, it is possible to predict floods and sea masses from disaster.

Large images are needed for better accuracy.

It can help respond faster, understand natural hazards, monitor events in real time.

Many lives have been affected due to the natural disaster.

Developed using deep learning techniques, the intelligent deep convolutional neural networks.

The proposed system efficiency and accuracy were tested on several datasets and it demonstrated clear evidence to give the highest results.

Work with open CV.

Natural hazards can also be predicted or affected by anthropogenic factors.

Reduce the loss of life.

Done by using Deep Learning Techniques like CNN.

A model is used to predict natural hazards, which has been proposed.

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.

In particular, AI is playing an increasingly important role in disaster risk reduction.

Classifies based on image.

Classification model using convolutional neural network and deep learning techniques, present system that enables real-time disaster risk reduction.

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.

Social Impacts

Earlier precaution measures.

Reduce the loss of life.

Availability of Resources

Image data needed for classification.

Enormous data is needed for the image data.

People Emotions

People emotions on drastic disasters.

People emotions on their beloved families who lost their lives.

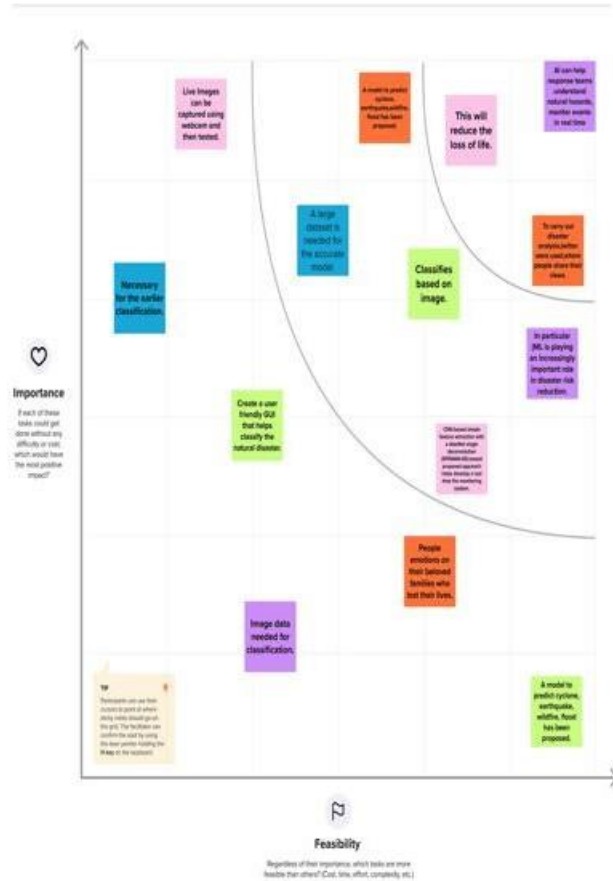
Step-3: Idea Prioritization

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](#)

[Share template feedback](#)