

Ideation Phase

Brainstorm & Idea Prioritization Template

DATE	OCT 3 2022
Team ID	PNT2022TMID39349
Project Name	Project-Natural Disaster Intensity Analysis and Classification Using Artificial Intelligence
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions. 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.

Brainstorm & Idea Prioritization for "Natural Disaster Intensity Analysis and Classification Using Artificial Intelligence":

Reference:

<https://app.mural.co/t/naturaldisastersintensityana6798/m/naturaldisastersintensityana6798/1664760602924/f88a333c4f3b4107ee6bec504bc7eb0e5096ef1a?sender=u32a9f563542802c156589148>

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



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.

- 10 minutes to prepare
- 1 hour to collaborate
- 2-6 people recommended

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

Team gathering

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

Set the goal

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

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

How might we [your problem statement]?

Key rules of brainstorming

To run a smooth and productive session

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

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Step 2: Brainstorm idea listening and grouping:

Edit with WPS Office

2

Brainstorm

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

🕒 10 minutes

TIP

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

Person 1

Natural Disasters affect the environment	Many times, hurricanes affect the environment	Necessary for the further classification
This will reduce the loss of life	To reduce the effects, emergency is designed	It identifies the natural disaster based on the image
Use images that are relevant for classification	Classify by using Deep Learning techniques like CNN	Large images are needed for better accuracy

Person 2

To classify the natural disaster	usually, emergency teams first solve problems in emergency	Natural Disasters (Cyclones)
Images are used for classification	Work with open CV	Deep learning techniques have been applied
Use images that are relevant for classification	Classifies based on image	Reduce the loss of life

Person 3

A natural disaster can reduce the loss of life and property	In terms of impact, natural disasters can be classified into three categories: natural, human-induced, and mixed.	All to detect natural disasters, we need to use satellite data
Natural disasters can be classified into three categories: natural, human-induced, and mixed.	Images are used for classification	Large amount of data is needed for training
The training of neural networks is done by using images that are relevant for classification	Images are used for classification	Images are used for classification

Person 4

Images are used for classification	Images are used for classification	Images are used for classification
Images are used for classification	Images are used for classification	Images are used for classification
Images are used for classification	Images are used for classification	Images are used for classification

Step 3: Idea Prioritization:



Now that we know your ideas are interesting, let's see if we can make them even more interesting. We'll do this by asking you to think about the sticky notes you've 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

- A large dataset is needed for the accurate model.
- Create a user-friendly GUI that helps to classify the rational cluster.

Social Impacts

- Reduce the loss of life.
- Earlier (diagnosis) measures.

Availability of resources

- Image data needed for classification.
- Without this it is harder for classifying the image data.

People Emotion

- People anxious on genetic diagnosis.
- People emotions on their beloved families who lost their lives.

Now you're ready to get on with the sticky notes. We'll do this by asking you to think about the sticky notes you've 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

Importance
Extent of how much you want an idea to be implemented, and how much you want to see it happen.

Feasibility
Degree of how important, what ideas are more feasible than others? (Cost, time, effort, complexity, etc.)

Now you're ready to get on with the sticky notes. We'll do this by asking you to think about the sticky notes you've 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

Quick add-one

- Share the mood**
Share a sticky note to the mood with stakeholders to help them to the key about the outcome of the session.
- Report the mood**
Export a copy of the mood as a PDF or PPT to attach to emails, slides or other, or share it with your team.

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 behaviors for an experience.
[Open the template >](#)
- Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
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