Ideation Phase
Brainstorm&Idea Prioritization Template

Date	9 November 2022
Team ID	PNT2022TMID41507
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://tinyurl.com/muralbrainstorm

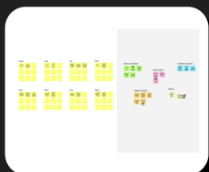**Step-1: Team Gathering, Collaboration and Select the Problem Statement**

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
- **2-8 people** recommended

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**

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 →

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 to over come the problem of classifiying the Natural Disaster ?

Key rules of brainstorming
To run an smooth and productive session

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

Need some inspiration?
See a finished version of this template to kickstart your work.

Open example →

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.
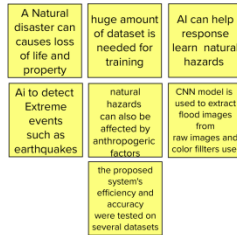
🕐 10 minutes
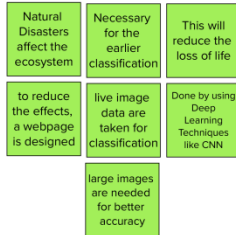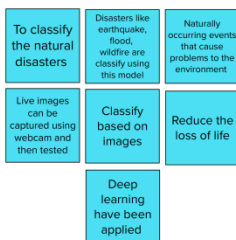
3

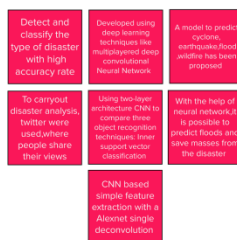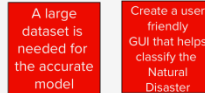## Group ideas

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 and break it up into smaller sub-groups.
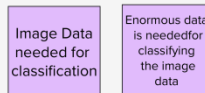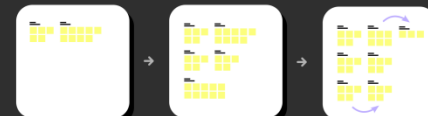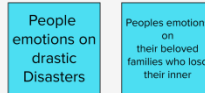
🕐 20 minutes

Yogesh

- Natural Disasters affect the ecosystem
- Necessary for the earlier classification
- This will reduce the loss of life
- to reduce the effects, a webpage is designed
- live image data are taken for classification
- Done by using Deep Learning Techniques like CNN
- large images are needed for better accuracy

Sridhar

- A Natural disaster can causes loss of life and property
- huge amount of dataset is needed for training
- AI can help response learn natural hazards
- Ai to detect Extreme events such as earthquakes
- natural hazards can also be affected by anthropogeric factors
- CNN model is used to extract flood images from raw images and color filters use
- the proposed system's efficiency and accuracy were tested on several datasets

Karthik

- To classify the natural disasters
- Disasters like earthquake, flood, wildfire are classify using this model
- Naturally occurring events that cause problems to the environment
- Live images can be captured using webcam and then tested
- Classify based on images
- Reduce the loss of life
- Deep learning have been applied

Navaneethakumar

- Detect and classify the type of disaster with high accuracy rate
- Developed using deep learning techniques like multiplayered deep convolutional Neural Network
- A model to predict cyclone, earthquake,flood ,wildfire has been proposed
- To carryout disaster analysis, twitter were used,where people share their views
- Using two-layer architecture CNN to compare three object recognition techniques: inner support vector classification
- With the help of neural network,it is possible to predict floods and save masses from the disaster
- CNN based simple feature extraction with a Alexnet single deconvolution

Technical Aspects

- A large dataset is needed for the accurate model
- Create a user friendly GUI that helps classify the Natural Disaster

Social Impact

- Reduce the Loss of Life
- Earlier Precaution Measures

Availability of Resouces

- Image Data needed for classification
- Enormous data is neededfor classifying the image data

People Emotions

- People emotions on drastic Disasters
- Peoples emotions on their beloved families who losd their inner

Step-3: Idea Prioritization

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