

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	14 November 2022
Team ID	PNT2022TMID20714
Project Name	Emerging methods for early detection of forest fires.
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.




Reference: <https://www.mural.co/templates/empathy-map-canvas>


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

 **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.

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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 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

Monisha R

Forest fire can be detected using satellite images.

We also use Convolutional Neural Network to detect forest fire

Train and classify the images to detect forest fires.

Noura Fathima A

Using Physical sensors will help to detect forest fire.

Based on the temperature of sensor, we can classify where there is fire or not.

We can set the ranges of temperature to predict fire.

Asmitha Natchiyar P

IR sensors can be used to detect the forest fire

Pre-trained model image processing

Priya K

The level of carbon dioxide in the atmosphere can detect forest fires

For this we need to use sensors to detect level of carbon dioxide

Once the sensor detects high amount of CO₂, forest officer should be informed by SMS.

Sangeetha M

Deep learning based Mathematical for detecting forest fires

Dataset is given as images

After training the images, forest fires can be predicted.

Effective algorithms to predict accurately

Step-3: Idea Prioritization

