

Ideation Phase

Brainstorm & Idea Prioritization Template


Date	26 OCTOBER
Team ID	PNT2022TMID40383
Project Name	Emerging Methods for Early Detection of Forest Fire
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.

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.

🕒 10 minutes to prepare
🕒 1 hour to collaborate
👤 2-8 people recommended

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➔

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 detect forest fire at early stage?



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.



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

BALAJI

Use drone to detect fire using camera	Use drone to detect fire using camera	Use drone to detect fire using camera
Use drone to detect fire using camera	Use drone to detect fire using camera	Use drone to detect fire using camera
Use drone to detect fire using camera	Use drone to detect fire using camera	Use drone to detect fire using camera

DEEPAK RAJ

Detecting fire using camera	Detecting fire using camera	Detecting fire using camera
Detecting fire using camera	Detecting fire using camera	Detecting fire using camera
Detecting fire using camera	Detecting fire using camera	Detecting fire using camera

DEEPAK CHANDRU

Use drone to detect fire using camera	Use drone to detect fire using camera	Use drone to detect fire using camera
Use drone to detect fire using camera	Use drone to detect fire using camera	Use drone to detect fire using camera
Use drone to detect fire using camera	Use drone to detect fire using camera	Use drone to detect fire using camera

DHINESH BABU

Detecting fire using camera	Detecting fire using camera	Detecting fire using camera
Detecting fire using camera	Detecting fire using camera	Detecting fire using camera
Detecting fire using camera	Detecting fire using camera	Detecting fire using camera

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

Detect Using Robots and AI models

Fire can be detected using unmanned aerial vehicle	Collecting data using drones flying over the forest	detect using robot trained with AI	Fire detection using CNN models
Fire can be detected by a AI model from real time forest images	Use Artificial Intelligence to detect the forest fire.		

Detect Using Satellite

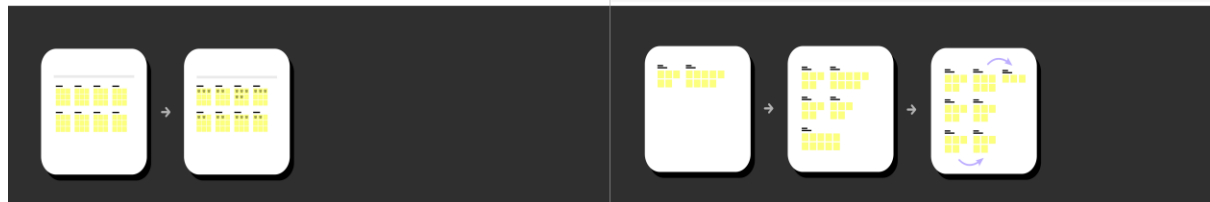
Realtime images can be shared by satellites	Detect using satellite pictures
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Detect Using Natural Conditions

Detecting forest fire using large light in forest	Detect forest fire using temperature	Detect forest fire using large amount of smoke
Detecting forest fire using co2 level	Detecting forest fire using co2 level	

Detect by human

Detect by forest officer



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

