

Ideation Phase


Brainstorm and Idea Prioritization

Date	15 SEPTEMBER 2022
Team ID	PNT2022TMID24952
Project Name	Industry-specific intelligent fire management system
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

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 number of creative solutions.

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

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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 might we control fire in industry?

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.

Step-2: Brainstorm, Idea Listing and Grouping

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 to the pencil (switch to sketch) icon to start drawing!

Jerry

- Identify the problem
- Identify the solution
- Identify the user
- Identify the context

Joe

- Identify the problem
- Identify the solution
- Identify the user
- Identify the context

Bilcon

- Identify the problem
- Identify the solution
- Identify the user
- Identify the context

Karan

- Identify the problem
- Identify the solution
- Identify the user
- Identify the context

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

Limitations

- Identify the problem
- Identify the solution
- Identify the user
- Identify the context

Ideas

TIP

Add customizable tags to sticky notes to make it easier to find, organize, organize, and categorize important ideas so they're within your reach.

User's Vision

- Identify the problem
- Identify the solution
- Identify the user
- Identify the context

User's Awareness

- Identify the problem
- Identify the solution
- Identify the user
- Identify the context

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

Importance

difficulty or cost, which would have the most positive impact?

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

Alert Fire safety team

Implement Alert system using IoT

Identify Fire linkage

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the M key on the keyboard.