

Ideation Phase

Brainstorm&Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID12767
Project Name	INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :


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

[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


To avoid or prevent the fire accidents in industries we have developed this project.




Key rules of brainstorming

To run an 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

GOWRI SHANGARI E

Flame detector will detect the presence of a flame or fire.

It should not sprinkle water unless there is fire.

The temperature should be recorded continuously

If any flame detected the sprinklers will be switched on automatically.



The communication between the user and IOT need to be simple

Gas sensor will detect the presence of a gas incase of any gas leakage

The system must provide accurate data

Based on the temperature readings, if any gas detected the exhaust fan gets power ON.

It will note it in the cloud for future needs



False data recording may cause error in future analysis.

VIJAYALAKSHMI K

Temperature sensor will detect the atmosphere temperature.

Alert message can be send through SMS.

Based on the python script logics the exhaust fan gets powered ON.

It will alarm incase if there is fire.

AHALYA PREETHI R

24*7 water service should be maintained for sprinkler

making this system user-friendly is more important.

focus the water on fire inorder to avoid wastage of water

The access should be easy.



SNEGA ROOPA M

Alert should be sent to fire station as soon as possible.

configuration of IOT device and cloud is important

The location of place in danger due to fire will be shared along with the alert to the fire station.

The IOT components should accomodate the step by step process without any kind of delay.



3

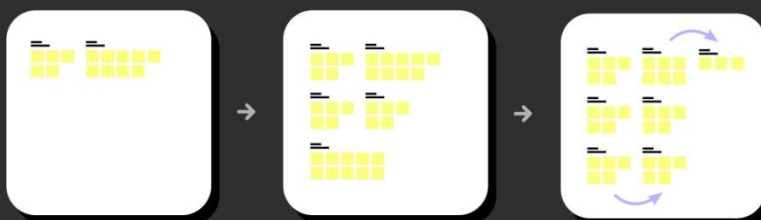
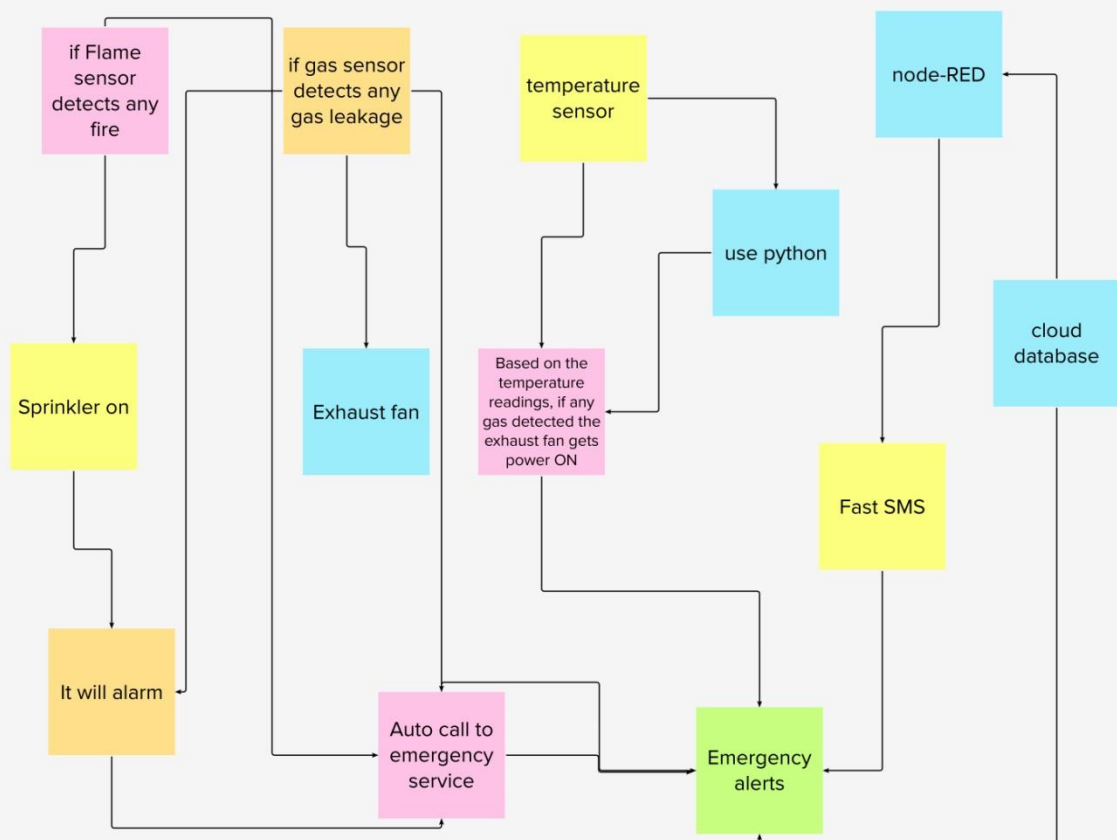
Group ideas

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



TIP
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.



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

