


Ideation Phase

Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID06832
Project Name	INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
Maximum Marks	4 Marks

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 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

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

PUERNIMA R G

Flame detector will detect the presence of fire

If any flame detected the sprinkler will switched on immediately

It should not sprinkle water unless there is fire

The temperature should be recorded continuously

The communication between the user and IOT need to be

VAISHNAVI B

Gas sensor will detect the presence of gas in case of any gas leakage

It will note it in the cloud for future needs

Based on the temperature If any gas detected the exhaust fan gets ON

The system must provide accurate data

False data recording may cause error in future analysis

SOWMIYA M G

Temperature sensor will detect the atmosphere temperature

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

Alert message can be send through SMS

It will alarm in case if there is fire

MUKITHA YOGESHWARI M

24*7 Water service should be maintained for sprinkler

Focus the water on fire in order to avoid to avoid wastage of water

Making this system user-friendly is more important

The access should be easy

3

Group ideas

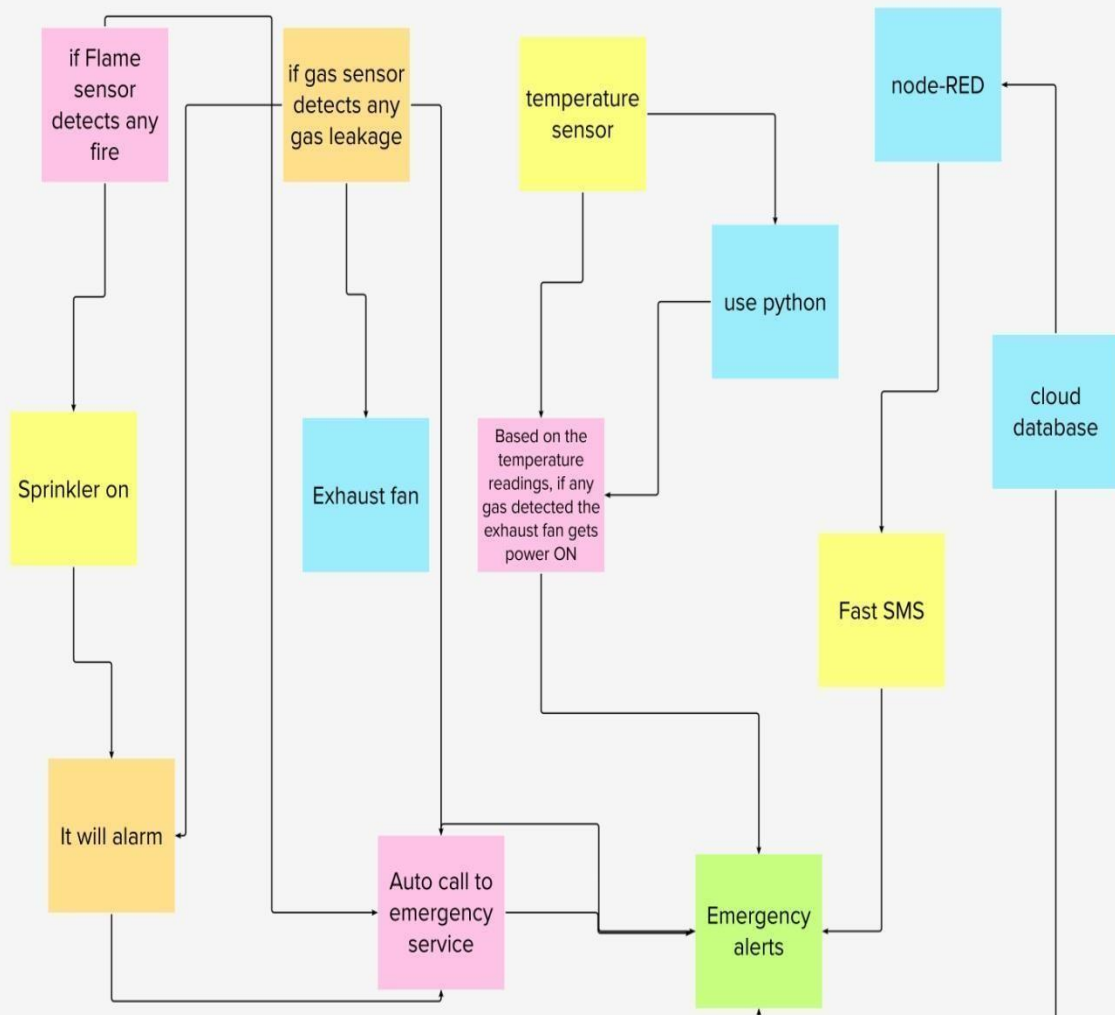
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 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

