

## Ideation Phase


### Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TM1D07789
Project Name	Project-Industry-specific intelligent fire management system
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:




#### 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.


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### Define your problem statement


Integrating IoT on a fire safety system greatly increases its effectiveness and efficiency. With the use of sensors, fire indications like increase of temperature, presence of flames, gases and smoke are detected effectively.


 5 minutes





#### 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.

## Step-2: Brainstorm, Idea Listing and Grouping

**2 Brainstorm**  
Write down any ideas that come to mind that address your problem statement.  
⌚ 10 minutes

**Ahamed habeeb ansari**

Fire Alarm Apparatus Detection	Use multiple sensors for fire detection	Integrate with existing alarm system
Use a fire alarm that can be used in multiple locations	Integrate with existing alarm system	Integrate with existing alarm system

**Arul**

Smoke detection system	Flame retardant material	Water extinguishers
Automatic fire alarm system	Intelligent alarm system	Emergency communication system

**Arun Kumar**

Voice Alert System	Local Data with Remote Monitoring	Preventing fire from spreading
Enhance Machine Learning	Remote Monitoring	Storage of fireproof material in safe area

**Yuvaraja**

Compact in size	Sprinkler and Gas Sensors	Use multiple sensors for fire detection
Sprinkler water flow switch	Remote communication system	Notification on external modules

Unrecorded ideas

**3 Group Ideas**  
Take time clustering your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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 fire, gas and smoke

The fire should be sensed time

The fire control should be proper at all time

IOT based fire detection and sprinkler on

Fast sms notification

## Step-3: Idea Prioritization

**4 Prioritise**  
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

**After you collaborate**  
You can export the mural as an image or pdf to share with members of your company who might find it helpful.

**Quick add-ons**

**A Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

**B Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save to your drive.

**Keep moving forward**

**Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)

**Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)

**Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

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