

# Ideation Phase


## Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TM1045391
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

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.

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1

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 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

**Ahamed habeeb ansari**

- Use Alarm Apparatus for detection
- Use machine learning for the detection
- Regular fire education at home
- Use fire extinguishers
- Use fire extinguishers
- Use fire extinguishers

**Arul**

- Smoke detector system
- Flame retardant material
- Video recording
- Automatic fire alarm
- Automatic fire alarm
- Automatic fire alarm

**Arun Kumar**

- Voice Alert Systems
- Send Data with Bluetooth
- Protection before the fire
- Embrace Machine Learning
- Automation
- Storage of emergency material in nearby area

**Yuvaraja**

- Component in alarm
- Smoke and Gas Sensor
- Use machine learning for the detection
- Sprinkler water flow switch
- Use machine learning for the detection
- Notification control modules

### 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

Unlabeled area

## 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

**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**

- Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in 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 attitudes 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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Smoke detection system

The access should be easy

Send FastSMS to fire department

Sprinkler water flow switch

The flame sensor should operate

Detect hazardous gas and fire

Notification control modules

Embrace Machine Learning