


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID30240
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT
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

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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

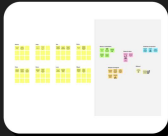
Define your problem statement

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

Hazardous Area Monitoring for Industrial Plant powered by IoT

In Hazardous Area, lots of accidents like explosion due to sudden increase of temperature and workers death due increase level of toxic gases and etc., In this project, we are going to give the solution for the problem.



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

Arvin Raj P

- Using Pressure Sensor to monitor the environmental pressure
- To Implement the IoT for Hazardous Area Monitoring

DevaKumar M

- Using Bluetooth based Sensor Monitoring in Industrial IoT Plants
- IoT typically requires a local, low power wireless communication to acquire data from sensor devices and local gateway that is connected to internet for local or remote monitoring and control

Arunkumar S

- workers need to wear a temperature sensor with band
- continuously monitoring the workers temperature also

Udhayasankar V

- Sensor-Cloud handles sensor data efficiently, which is used for many industrial applications
- Sensor-Cloud is a new paradigm for cloud computing that uses the physical sensors to accumulate its data and transmit all sensor data into a cloud computing infrastructure.

3 Group ideas

Take turns sharing 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

Monitor Using Smart cameras

To Implement the IoT for Hazardous Area Monitoring

Using Temperature Sensor to Monitor Temperature

continuously monitoring the workers temperature also

Using MOS Sensor to monitor the various gases level

Use Cloud Technology to provide better industrial experience

Beacon Scanner attached in working

Using Bluetooth devices

Continuous monitoring using IoT

Using Pressure Sensor to monitor the environmental pressure

workers need to wear a temperature sensor with band

Brainstorming process: A single idea box leads to a cluster of related idea boxes.

Grouping process: A cluster of idea boxes is grouped into a single cluster box.

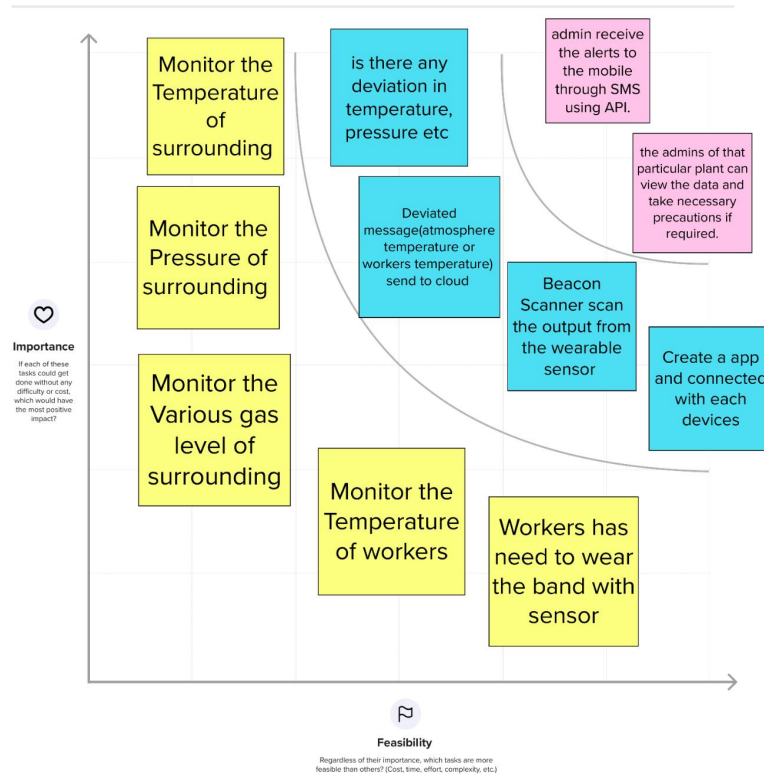
Step-3: Idea Prioritization

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



5

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 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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