


Ideation Phase

Brainstorm&Idea Prioritization Template




Date	03 September 2022
Team ID	PNT2022TMID41908
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

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

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

**Hazardous Area Monitoring
for Industrial Plant**

Powered by IoT

Key rules of brainstorming

To run an smooth and productive session

	Stay in topic.		Encourage wild ideas.
	Defer judgement.		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

Kamalesh	Balasubramani	Nitheesh	sivaranjani
Industrial accidents can be termed as old as industry itself and so are preventive measures	IoT aims to achieve higher operational and management efficiencies by machinery, equipment and all other factors involved in industrial environment	In our project we use sensors to detect fire occurrence in industrial plant	The hazard monitoring system are used to minimize the risk of explosions
Explosion and Fire are two major constituents of these mishaps	To avoid hazardous occurrence in industrial plant, hazardous area monitoring helps us	Monitoring of industrial plant is done by integrating the smart devices in areas to be monitored	Sensors are accessed remotely and users can tolerate to generate alert in case of error
The first step is to understand and define the problem occurred	In industrial plants, there are some areas which are to be monitored hence we can avoid dangerous activities	Every device will be connected to temperature sensors and act as a beacon	Sensors are key components to detect the problem in industrial plant as we are detecting the explosion we use Temperature sensor
These can be termed as accident or incident according to the occurred loss	These areas should be monitored from time to time	These sensor broadcast the temperature data with their location to the beacon and the beacon is completely monitored	It helps to detect the rise in temperature in industry and we can see actual problem of the fire occurrence

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

Step-3: Idea Prioritization

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.
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