


Ideation Phase

Brainstorm & Idea Prioritization

| | |
|---------------|--|
| Date | 19 September 2022 |
| Project Name | Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 4 Marks |

Step-1: Team Gathering, Collaboration and Select the Problem Statement



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

➔

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

I invite my team members Dheeraj S, Vignesh Babu TRN, Satheeshan S to participate in the team gathering.

B Set the goal

To detect the leakage of the gas from industries and then to make the alert system depending upon the leakage

C Facilitation tools

Buzzer, LED, Gas Sensor and Arduino UNO are the tools used for the project.

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1


Define your problem statement

To detect gas leakages from the industry and then to create an alert system depending on the image

🕒 5 minutes

PROBLEM

To create gas leakage and alert system



Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

To build a gas leakage monitoring system

🕒 10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Agashh Raja B

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|-------------------|--|----------------------|
| PROBLEM STATEMENT | | PROBLEM SOLUTION FIT |
| | | |
| | | |

Dheeraj S

| | | |
|-------------------|--|-----------------------|
| PROPOSED SOLUTION | | SOLUTION ARCHITECTURE |
| | | |
| | | |

Vignesh Babu TRN

| | | |
|----------------------|--|-------------------|
| CUSTOMER JOURNEY MAP | | DATA FLOW DIAGRAM |
| | | |
| | | |

Satheeshan S

| | | |
|-------------------------|--|-------------------------|
| FUNCTIONAL REQUIREMENTS | | TECHNOLOGY ARCHITECTURE |
| | | |
| | | |

3

Group ideas

To assign tasks to the team members according to the requirements. Each member in the group came up with unique ideas for every phase of the of the project

🕒 20 minutes

Step-3: Idea Prioritization

