

Ideation Phase


Brainstorm&Idea Prioritization Template

Date	20 September 2022
Team ID	PNT2022TMID35932
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

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

Template



Brainstorm & Idea Prioritization

For Hazardous area monitoring for
Industrial Plants powered by IOT.

10 minutes to prepare

1 hour to collaborate

2-8 people recommended

1

Define your problem statement

What problem are you trying to solve? I
problem as a How Might We statement
focus of your brainstorm.

5 minutes

PROBLEM

**What are the nec
features needed
included for Haza
area monitori**

PROBLEM

**How are we goi
implement these f
with minimal cc**

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

TIP

You can i
and hit th
sketch] ic

Bharani Kumar

- Indication of high temperature in hazardous areas
- Alerting the public in case of emergency
- The workers can be alerted by the device itself
- The temperature range of the device must be studied

Manibalan

- The control setup range must be fixed
- LORA communication seems to be the best option
- The device can be fixed with ID cards of employees

Thilak

- Use a temperature sensor that is light in weight
- Use a gas sensor to sense the presence of hazardous gases
- This must interfaced with a industry standard Microcontroller

Bhuvanesh

- Monitoring of motors in hazardous areas using cameras
- Fixed sensors on the receivers could help detect wild motions
- Its better to embed only 2 of the features for

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

