

Ideation Phase


Brainstorm&Idea Prioritization Template

Date	20 September 2022
Team ID	PNT2022TMID26592
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? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.
 5 minutes

PROBLEM

What are the necessary features needed to be included for Hazardous area monitoring?

PROBLEM

How are we going to implement these features with minimal costs?

 Share template feedback

Step-2: Brainstorm, Idea Listing and Grouping

Ramyavani

Indication of high temperature in hazardous areas

Alerting the public in case of emergency

The workers can be alerted by device itself

The temprature range of the device mut be studies

Ruby

The control Setup range must be fixed

LORA communication seems to be the best option

The device can be with ID cards of employees

Use a temperature sensor that light is weight

Use a gas sensor to sense the presence of hazardous gases

This must interfaced with a industry standard Microcontroller

The Microcontrol must light in weight

Sumithra

Bakkiya

Monitoring of motors in hazardous areas using sensors

Fixed sensors on the receivers could help defect wild motions

Its better to embed only 2 of the features for first phase

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

