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

Step-2: Brainstorm, Idea Listing and Grouping

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Brainstorm

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

⏱ 10 minutes

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	The Microcontroller must light in weight

Bhuvanesh

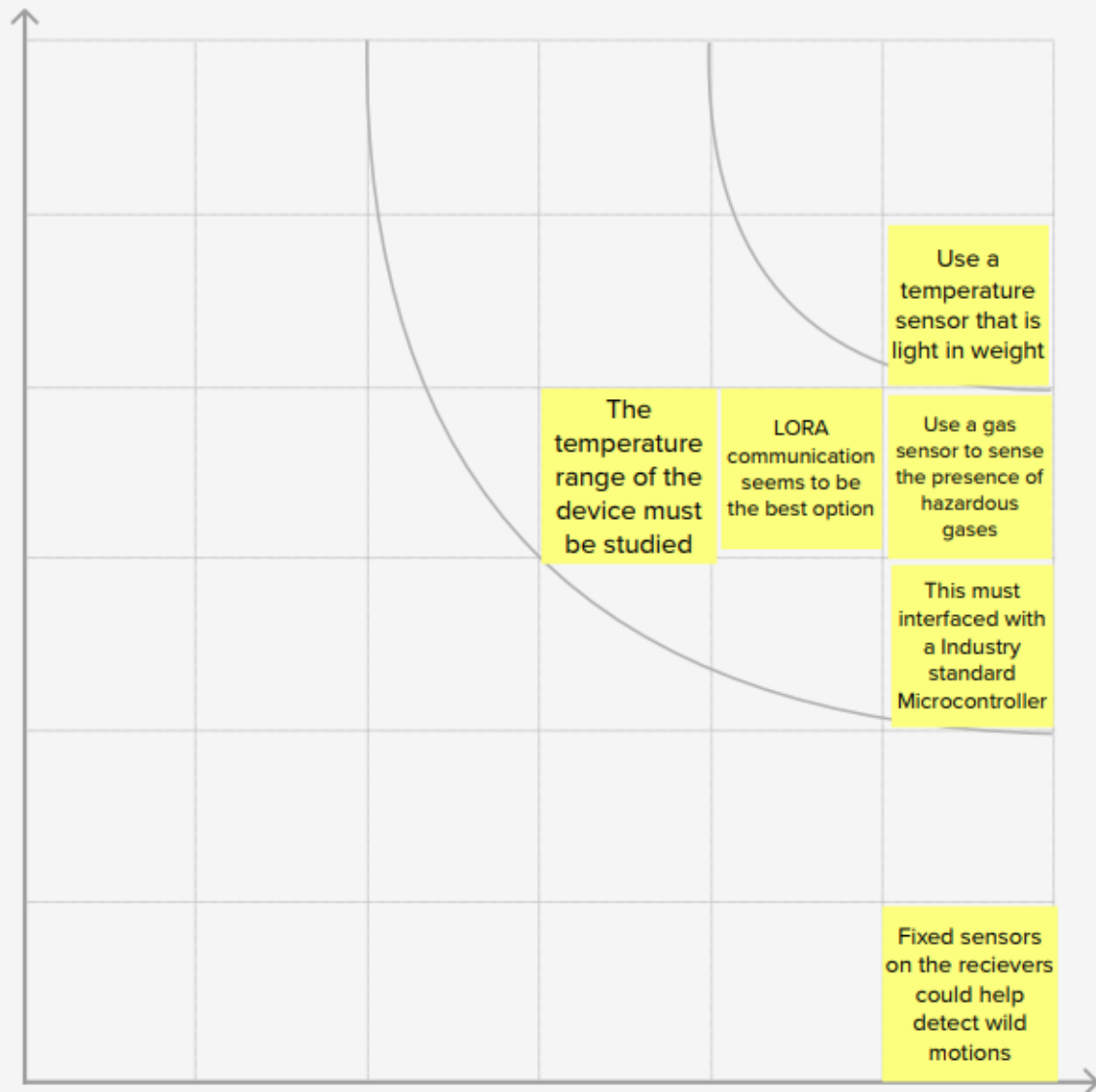|		
Monitoring of motors in hazardous areas using sensors	Fixed sensors on the recievers could help detect wild motions	Its better to embed only 2 of the features for first phase

Step-3: Idea Prioritization

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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

> Use a temperature sensor that is light in weight

> The temperature range of the device must be studied

> LORA communication seems to be the best option

> Use a gas sensor to sense the presence of hazardous gases

> This must interfaced with a Industry standard Microcontroller

> Fixed sensors on the recievers could help detect wild motions

Feasibility