


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	11-10-2022
Team ID	PNT2022TMID18102
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



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

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.

[Open article](#) →

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


How might we [your problem statement]?





Key rules of brainstorming


To run an smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 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

TIP

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

GIRIVANI.S

Emission of high temperature leads to several issues in the industry

And hence the SMS is sent to the Individual workers

Hence a temperature measuring system is mandatory

Within a short period of time, they are rescued from such accidents

The sensor sends the information with the help of cloud services

By using the sensor in the monitoring system, the fire accidents also easily acknowledge by the workers

RAGHAVI P.S

To know whether the temperature of the workplace beyond the limit or not

When the temperature exceed beyond the limit, The range should be sent to all of them

For that, a wearable smart beacon sensor should be used

For that we need a wireless network

When the workers wear this sensors, the current temperature should be noted by the sensor

By using this, we can easily intimate the message to all workers

HARINISRI.R

Have a regular monitoring of data

with the data in cloud can train a model that can predict future dangers

slight variations in data, then there needs complete check up

also with this we can make safety measures earlier

so daily checking data must be stored in cloud

JOTHIPRIYA.M

In mining industries, there is always high emission of combustible gas occurs

When the catalytic sensor, detect the combustible gas, it sends the information to the web service provided by the user

For monitoring that, a Catalytic diffusion sensors should be needed

And hence they able to do preventive measures to avoid such circumstances

A web service is designed, for quick message transaction

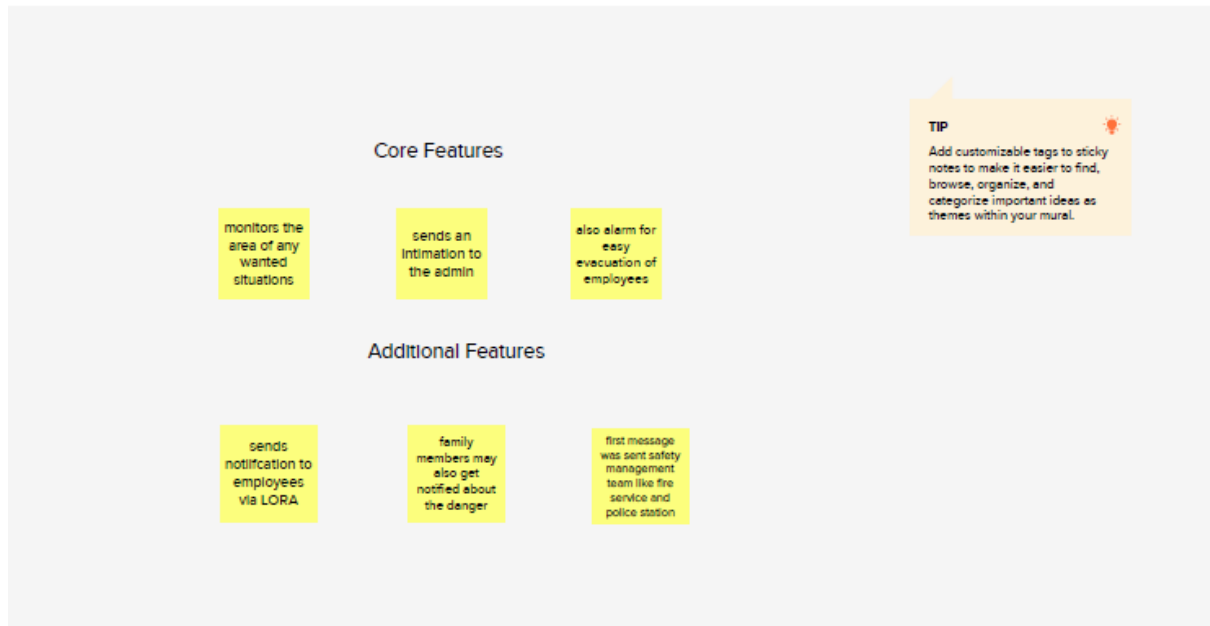
Step-3: Idea Prioritization

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



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

