


BRAINSTORM AND IDEA PRIORITIZATION

Date	29 April 2023
Team ID	NM2023TMID10372
Project Name	Remote gas pipeline tunnel temperature monitoring system

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

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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

Pipelines are prone to danger. When the temperature of the gas inside the pipeline increases, there is a chance of pipeline explosion. It can happen because of the expansion of gases inside the pipeline due to increased temperature. So there is a need to continuously monitor the temperature inside the pipeline to decrease the risk of increasing temperature.

Type your paragraph...

PROBLEM

- 1) Increase in temperature of gases
- 2) Causes pipes to be fragile.
- 3) Causing pipeline explosion

Key rules of brainstorming

To run a smooth and productive session

Stay in topic.


Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

If possible, be visual.



Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#)

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!

M. P. Shri Veena

Increase in temperature happens unexpectedly

Pipeline explosion can happen

Reliability of existing system is low

A. S. Dharsini

Change in temperature happens everytime

Dangerous for lives

Notifications of the rise and fall in temperature are not on time

V. Vibisha

Temperature is crucial for safe operations

Leads to loss of property and human loss

Temperature levels needs to be monitored

Avani Anil

Efficiency of the existing systems are less

Remote monitoring of gas pipeline tunnel temperature is not accurate

Can become dangerous to human lives

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

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mind.

Dangerous for lives

Leads to loss of property and human loss

Can become dangerous to human lives

Pipeline explosion can happen

Increase in temperature happens unexpectedly

Change in temperature happens everytime

Temperature levels needs to be monitored

Temperature is crucial for safe operations

Remote monitoring of gas pipeline tunnel temperature is not accurate

Efficiency of the existing systems are less

Reliability of existing system is low

Notifications of the rise and fall in temperature are not on time

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

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.



→

After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

- A Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

- Strategy blueprint**
Define the components of a new idea or strategy.
[Open the template →](#)
- Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
[Open the template →](#)

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