

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	03 October 2022
Team ID	PTN2022TMID48351
Project Name	Project-Smart solutions for Railways
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:


Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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.

Reference: <https://app.mural.co/embed/9e6f346b-0f41-47df-8e5c-fba0406d139d>

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

Template



## 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.

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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

To maintain the tracks, repairs and services to avoid accident and safeguard of things in smart railway system.



### 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.  
15 minutes

**Brainstorm 1**  
**Brainstorm 2**  
**Brainstorm 3**  
**Brainstorm 4**

**3**  
**Group Ideas**  
Take turns sharing your ideas with clustering similar or related notes as you go. In the last 10 minutes, 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 subgroups.  
20 minutes

**Services**  
**Messages**  
**Security measures**  
**Sensors**  
**Scanner**  
**Technology**  
IOT AI

## 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

**Importance**

**Feasibility**

Regardless of how important an idea seems, it's not feasible if it's not possible to implement it. It's not important if it's not a good idea.