

## Ideation Phase

### Brainstorm & Idea Prioritization Template


Date	21 October 2022
Team ID	PNT2022TMID40965
Project Name	Project - Smart Solution 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.

#### 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

- Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.
- 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**

How might we build a smart railway and provide efficient service to passengers?

**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

**SRIDHAR S**

- Live tracking the location of the train
- Notify the passenger in case of delay in train timings
- Remind the passenger about his journey timings.
- Alert the passenger when his train reaches the destination.

**MADHAN S**

- Intimating the passenger about the weather condition at the destination
- Secure passenger information
- Display the help line number on webpage for women safety
- QR codes are proving to be one of the best online payment acceptance solutions for merchants

**HARIHARAN A**

- Alert the passenger 15mins before the train reaches the destination
- Nearest railway police station number displayed to the passenger
- Emergency button to notify the nearest police station to report in case of a threat
- Automatic door closing when the train starts to move

**THIRUMALAI M**

- Unique QR code generation after ticket booking
- Web page based ticket booking
- Running Status offers the fastest way to check the Live Train Status and find your train for all local Railways trains.
- Visit the railway station where QR code is provided and scan QR code via UTP app

**TIP**  
You can select a sticky note and hit the pencil (action to delete) (can to start drawing!)

### 3 Group ideas

Take turns sharing your ideas while 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 and break it up into smaller sub-groups.

20 minutes

**Alert System**

- Alert the passenger 15mins before the train reaches the destination
- Display the help line number on webpage for women safety
- Remind the passenger about his journey timings.

**Smart Reservation**

- Unique QR code generation after ticket booking
- Web page based ticket booking

**Live Updates**

- Live tracking the location of the train
- Intimating the passenger about the weather condition at the destination
- Nearest railway police station number displayed to the passenger

**Safety Features**

- Automatic door closing when the train starts to move
- Secure passenger information
- Display the help line number on webpage for women safety

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

## 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**  
If each of these ideas could get done without any difficulty or cost, which would have the most positive impact?

**Feasibility**  
Regardless of the importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)