

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	17 September 2022
Team ID	PNT2022TMID30278
Project Name	SMART SOLUTIONS FOR RAILWAYS USING IOT
Maximum Marks	4 Marks

Reference: <https://www.mural.co/templates/empathy-map-canvas>

### 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

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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.

[Open article](#) →

### 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

To avoid passenger's from getting fined for not bringing the proof of documents while traveling on train. We as a team propose a solution that will generate a QR code holding passenger's personal details including proof of documents, so it can be shown to ticket collector which he used to scan to cross-check the personal details

### 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.

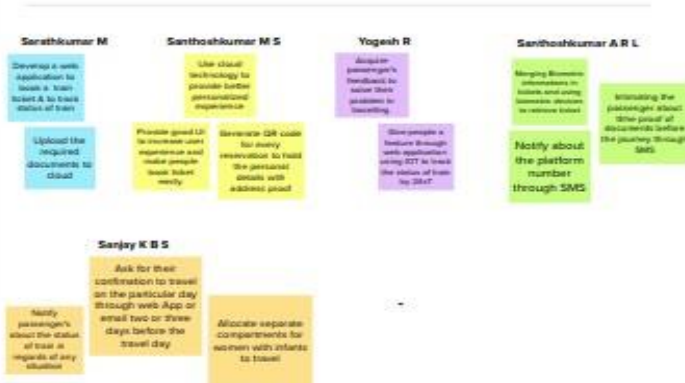
## Step-2: Brainstorm, Idea Listing and Grouping

2

### Brainstorm

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

15 minutes



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 can break it up into smaller sub-groups.

20 minutes



## 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

