


## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID48423
Project Name	Smart Solutions For Railways
Maximum Marks	4 Marks

#### 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




#### 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 Superpower 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


PROBLEM


The passengers face some problems. "What are the problems faced by the passengers while travelling by train, at station and on board?"





### 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

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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!

VIJI

Poor lighting facility	ELECTRONIC RECTIFIER CUM REGULATOR	Fast and reliable switching devices.
	Auto setting of voltage, load current, Battery current, over voltage, over current	Moulded Hall sensors- for setting current limit

PANDISELVI

Late arrival of train	lose punctuality due to public apatations, adverse weather conditions.	lose punctuality due to track, signal, mechanical
Rationalization of Time Table	monitoring at Divisional, Zonal and Railway Board levels	

KEERTHIKA

Poor sanitary conditions	Mechanised Cleaning	smart sanitation- Automate cleaning
privatization or increased costs		

BUVANESHWARI

safety and security	track structure- Prestressed Concrete Sleeper (PSQ)	Network Layer Security- signaling equipment, surveillance
security control center		

PRIYA

smart booking	Integrated ticketing	Mobile Ticketing
Smart Card is used to purchase tickets through ATVM		

## 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

