

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	18 September 2022
Team ID	PNT2022MID1145
Project Name	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.

Reference:

<https://app.mural.co/t/asdf9391/m/asdf9391/1666027080229/1c5a2ea63f72897fed1bb2038986e6e9577b3de7?sender=u2743bfda850065e145942589>

#### 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

➔

#### 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 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 ➔

RAMYA.A

RITHIKA.T.M

SNEHA.M

SARANYA.J

Smart

Solution For

RAILWAYS

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 [your problem statement]?

Ticket

booking and

tracking of

train locations



#### 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.

⌚ 10 minutes

TIP

You can select a sticky note and hit the pencil icon to start drawing!

RAMYA.A

information  
sending via  
text messages  
such as  
platform no,etc

Examining the  
path by  
sensors

Getting  
notification  
and  
remainders

Reports are  
done month  
wise in excel  
or pdf  
formate

Live location  
sharing

choices of  
category

Medical  
source  
availability in  
case of  
emergency

Feedbacks  
from  
passangers  
about journey

Saranya.J

knowing the  
confirmed  
tickets of  
waiting list

Notification  
on  
maintanance

Remainder  
for the  
maintenance  
are pushed

Network  
connectivity  
of high  
speed

SNEHA.M

Setting  
sensors in  
the engine

Using IOT  
devices for  
monitoring

Information  
verification  
and enquiry

ID proof  
required for  
verification  
are uploaded

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 data to themes within your mind!

Track  
conditions  
and paths are  
monitored by  
sensors

Information  
about the  
waiting list  
confirmation

Data about  
Train  
timetables

Making  
complaint  
handling  
mechanism  
easy to access

Quick access  
for train  
drivers to  
seek medical  
emergency

## 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

