


## IDEATION PHASE

### BRAINSTORM & IDEA PRIORITIZATION

Date	15 September 2022
Team ID	PNT2022TMID16033
Project Name	Smart Solutions for Railways using IOT
Maximum Marks	4 Marks




#### Brainstorm & Idea Prioritization Template:


#### 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

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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.

[Open article](#) →

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]?





#### 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

TIP

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

SRIMATHI M

Suggest a new prototype

Creates QR code

User Friendly

SINDUJA G

Generate unique ID

Preprocess the data

Detect the location of the train

TAMILMATHI V M

Reduce time complexity

Achieve high accuracy

Efficient way to identify solution

YOGALAKSHMI K

Reduce the space to book tickets

Reduces unwanted noise

More number of passengers can be travelled

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

Person 4

TIP

Add customisable tags to sticky notes to make it easier to find, browse, organise, and categorise important ideas as themes within your mind.

Suggest the suitable prototype to create QR code

Professionals find it easy to book the tickets

Avoid unnecessary disturbance

## 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

