

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID39421
Project Name	Smart Solution for Railways using IOT
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

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

Smart solution for Railways

Share template feedback

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

The major problem we see as a common person is that trains are not well maintained. More human labours are used to clean the trains and tracks which consist of many waste including human waste. As a passenger am against that. Also most of the trains produce more noise which makes us feel irritated. It also creates more vibration which affects our both physical and mental health.

Key rules of brainstorming

To run an smooth and productive session

➕ Stay in topic.

⏸️ Defer judgment.

🗣️ Go for volume.

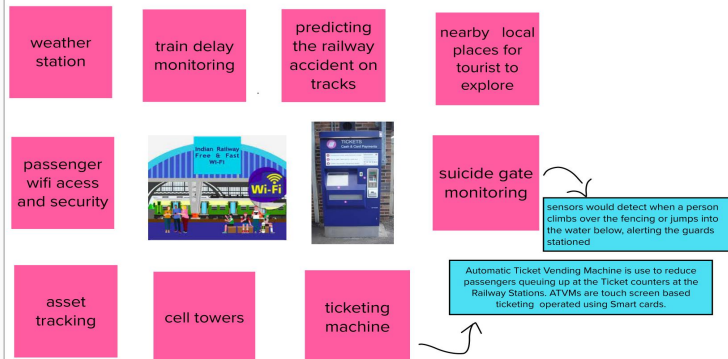
💡 Encourage wild ideas.

👂 Listen to others.

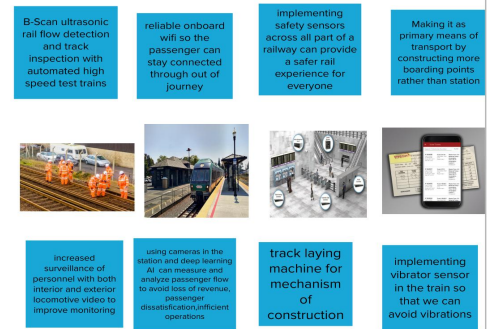
👁️ If possible, be visual.

Step-2: Brainstorm

JAYAVARSHINI K.P.



kavitha.P



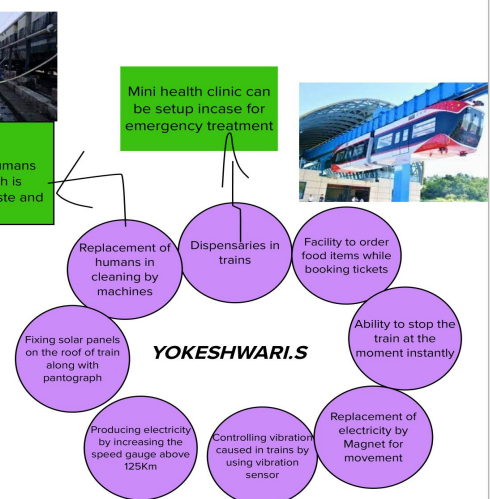
Prabhatharan.D(mentor)



Durga devi.S



YOKESHWARI.S



Step-3: Idea Listing and Grouping

3

Group ideas

🕒 20 minutes

Using automated device or instruments to clean the railway tracks and to clean trains is a must needed to implement in the Indian railways

Implement various sensors like PIR sensor for motion detection, vibration sensor to detect imbalance or other issues in asset.

TIP

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

Sucides in the train tracks has increased recently .Also many animals cross the railway tracks which are near forest and mountains.By using suicide gate monitoring technology which finds the objects or obstacles nearer can reduce the death rate.

Step-4: Idea Prioritization

