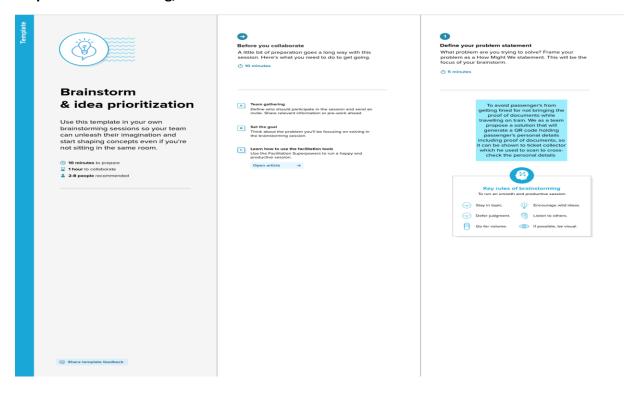# Ideation Phase
Brainstorm & Idea Prioritization Template
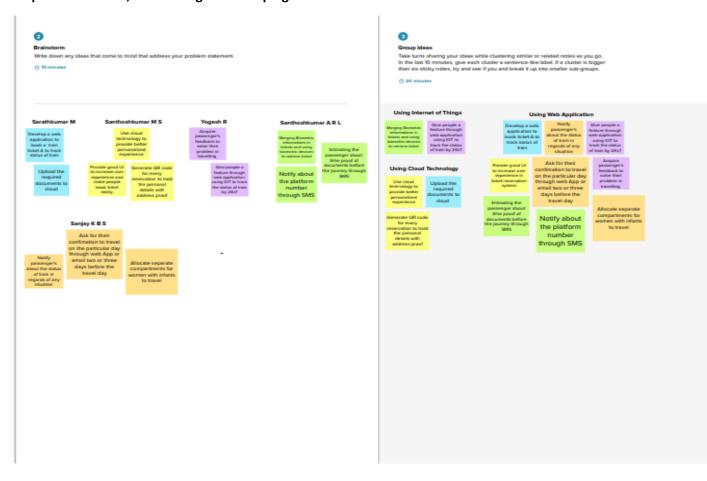
Date	17 September 2022
Team ID	PNT2022TMID42395
Project Name	SMART SOLUTIONS FOR RAILWAYS USING IOT
Maximum Marks	4 Marks

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

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm

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

⏱ 10 minutes

Sarathkumar M

- Develop a web application to book a train ticket & to track status of train
- Upload the required documents to cloud

Santhoshkumar M S

- Use cloud technology to provide better personalized experience.
- Provide good UI to increase user experience and make people book ticket easily.
- Generate QR code for every reservation to hold the personal details with address proof

Yogesh R

- Acquire passenger's feedback to solve their problem in travelling.
- Give people a feature through web application using IOT to track the status of train by 24x7

Santhoshkumar A R L

- Merging Biometric informations in tickets and using biometric devices to retrieve ticket
- Intimating the passenger about the proof of documents before the journey through SMS
- Notify about the platform number through SMS

Sanjay K B S

- Notify passenger's about the status of train in regards of any situation
- Ask for their confirmation to travel on the particular day through web App or email two or three days before the travel day
- Allocate separate compartments for women with infants to travel

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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 and break it up into smaller sub-groups.

⏱ 20 minutes

Using Internet of Things

- Merging Biometric informations in tickets and using biometric devices to retrieve ticket
- Give people a feature through web application using IOT to track the status of train by 24x7

Using Cloud Technology

- Use cloud technology to provide better personalized experience
- Upload the required documents to cloud
- Generate QR code for every reservation to hold the personal details with address proof
- Intimating the passenger about the proof of documents before the journey through SMS
- Notify about the platform number through SMS

Using Web Application

- Develop a web application to book ticket & to track status of train
- Notify passenger's about the status of train in regards of any situation
- Give people a feature through web application using IOT to track the status of train by 24x7
- Provide good UI to increase user experience in ticket reservation system
- Ask for their confirmation to travel on the particular day through web App or email two or three days before the travel day
- Acquire passenger's feedback to solve their problem in travelling
- Allocate separate compartments for women with infants to travel

Step-3: Idea Prioritization

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.

⏱ 30 minutes

Importance — If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility — Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

Ideas placed on the grid:
- Provide good UI to increase user experience in ticket reservation system
- Intimating the passenger about their proof of documents before the journey through SMS
- Acquire passenger's feedback to solve their problem in travelling.
- Develop a web application to book ticket & to track status of train
- Generate QR code for every reservation to hold the personal details with address proof
- Merging Biometric informations in tickets and using biometric devices to retrieve ticket
- Give people a feature through web applicaiton using IOT to track the status of train by 24x7
- Upload the required documents to cloud
- Use cloud technology to provide better personalized experience
- Allocate separate compartments for women with infants to travel
- Notify passenger's about the status of train in regards of any situation
- Notify about the platform number through SMS
- Ask for their confirmation to travel on the particular day through web App or email two or three days before the travel day