

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	29 September 2022
Team Number	06
Project Name	Developing a Flight Delay Prediction Model using Machine Learning
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://www.mural.co/templates/empathy-map-canvas>

#### 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

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#### 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 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

➔

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#### 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

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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!

#### Arsah A

The passenger should be able to get the intimation of flight delay a hour or few hours before

Should state the reason for flight delay

The passenger should get to know the updated time of arrival and departure

In case if the delay time is more in that case the application should help the user get a compensation

The application must be user friendly

Application should make arrangements for lounge or waiting area

#### Karolin Kiruba R

Monitor the flights arrival and departure

Keeping an eye on the weather conditions

Understand why flights get delayed

Book a backup flight in the last case

Checking the airport website for possible related delays

Re-search alternate flights with the same airline, partner airlines, even competitors

#### Kishan J

If flight gets delayed more often for a certain destination on the same day in that case all the flight must be cancelled for that destination on that day

Passengers should get notified by the flight delay details

Flight data should be updated frequently

Weather updation should be done frequently

Weather prediction should be done before flight timings

Connecting social media to get weather prediction and other problems

#### Neekita C

Flight delay duration should be informed to the passengers

Weather predictions of one week should be found earlier for smooth air routes

Check-in delays should be avoided

People should follow certain instructions to ensure the smooth flight travels

If external or unpredictable factor causes the unexpected delay, it should be informed to passengers priorly

Application should suggest ways to adjust passenger's leisure time due to flight delay

#### Sri Jane A

Passengers flight details should match with the upcoming flights

Should get the updated timings

The departure timing and reason for the delay must be known

Weather details of the destination should be available for the user

The application environment should be user friendly

The passenger should get the intimation of flight in prior

## 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



Step-3: Idea Prioritization

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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

