


# Ideation Phase

## Brainstorm & Idea Prioritization Template

Date	18 September 2022
Team ID	PNT2022TMID16459
Project Name	DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING
Maximum Marks	4 Marks

### 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

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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 be able to predict flight delays and make it useful for general public?

Key rules of brainstorming

To run a smooth and productive session

🗨️ Stay in topic.

💡 Encourage wild ideas.

👂 Better 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 button to edit it. You can also delete it.

#### AAGHIL

Predictive delay  
location based  
Flight history  
Weather  
Airport  
Delay

Prediction  
of delay  
based on  
Weather  
Delay

Arrival and  
departure  
delays

Prediction of  
delay based  
on Airport  
Arriving Late

Flight  
Arrival and  
Departure  
Status

Display the  
delay of a  
particular  
flight

#### S.VIGNESH

Predictive delay  
location based  
Flight history  
Weather  
Airport  
Delay

Prediction  
of delay  
based on  
Weather  
Delay

Arrival and  
departure  
delays

Airport  
Delays

Information  
about  
different  
airports

For down  
the flight  
on a map

#### S.MONIKA

Arrival and  
departure  
status  
Flight history  
Weather  
Airport  
Delay

Prediction  
of delay  
based on  
Weather  
Delay

Arrival and  
departure  
delays

Information  
about  
cancelled  
flights

Track a  
flight using  
Origin and  
Destination

Track a  
particular  
flight using  
the flight  
No

#### DIIVA CVSS

Predictive delay  
location based  
Flight history  
Weather  
Airport  
Delay

Prediction  
of delay  
based on  
Weather  
Delay

Arrival and  
departure  
delays

Get a list of  
flights  
from a  
particular  
airport

Display list  
of flights  
for a  
particular  
route

Getting  
Flight info  
using the  
picture

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

TIP  
Add a sentence-like label to each cluster to make it easier to find. You can also use the "Group" button to group ideas together.

### 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

