Ideation Phase
Brainstorm & Idea Prioritization

Date	17 September 2022
Team ID	PNT2022TMID27775
Project Name	Project – Developing a Flight Delay Prediction using Machine Learning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:

WEATHER BASED :

This is accomplished by checking at a substantial amount of observational data, such as surface observations, satellite images, radar, radiosonde, upper-air, wind providers, aircraft observations, river gauges, and just gazing outdoors.

APPS TO CHECK FLIGHT DELAYS:

This project along with the most recent updates and alterations to the airlines schedule, comprehensive information is accessible regarding flight status. You may track the specifics of the arrival, departure, and delay of various airlines from various airports with the use of a real-time flight tracker. If you have a flight reservation via any online websites like make my trip, you may check the flight status on our website to find out all of this information.
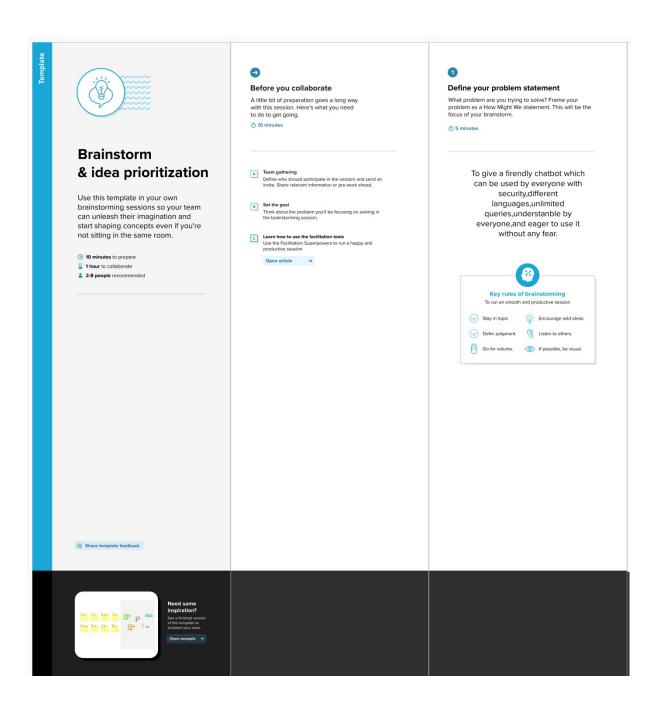
TIME BASED:

This project makes use of delay information in advance can effectively alleviate the nervousness of passengers. The critical time point captured by LSTM-AM combined with runway and apron flow control can reduce or eliminate delays of one flight.

Reference:

https://app.mural.co/invitation/mural/ainutrition4264/1667208382080?sender=u71ce a5f9692b1c447c051207&key=fc70af38-1772-4552-9bb1-4faae7f4e8b7

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

💬 Share template feedback

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 →

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**

To give a firendly chatbot which can be used by everyone with security,different languages,unlimited queries,understanble by everyone,and eager to use it without any fear.

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.

Need some inspiration?

See a finished version of this template to kickstart your work.

Open example →

Step-2: Brainstorm, Idea Listing and Grouping

(2)

Brainstorm

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

⏱ **10 minutes**

S.Pooja Lakshmi

Check on time performance of flights

Choose right airport

If delay time is more then compensation can be done

Apps to find out flight delays

Janani.R

Check flight condition before take off

Choose different routes during bad weather

Should state reason for delay

Checks in delays should be avoided

Gayathri vaddi

Schedule flight for middle of week to avoid traffic

Early intimation to passengers about flight delay

Get travel insurances

Unpredictable factors should be informed later

Shuruthi

Information about time of arrival and departure

Choose flight that takes direct route to destination

Flight delay duration should be informed

Weather prediction should be done earlier for smooth air router

3

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 and break it up into smaller sub-groups.

🕐 **20 minutes**

.GROUP 1:

Should state reason for delay	If delay time is more then compensation can be done

GROUP 2:

Choose different routes during bad weather	Weather prediction should be done earlier for smooth air router
Choose flight that takes direct route to destination	Unpredictable factors should be informed later

GROUP 3

Choose right airport	Get travel insurances

GROUP 4:

Check flight condition before take off	Check on time performance of flight
Checks in delays should be avoided	Flight delay duration should be informed

GROUP 5:

Information about time of arrival and departure	Early intimidation to passengers about flight delay

GROUP 6:

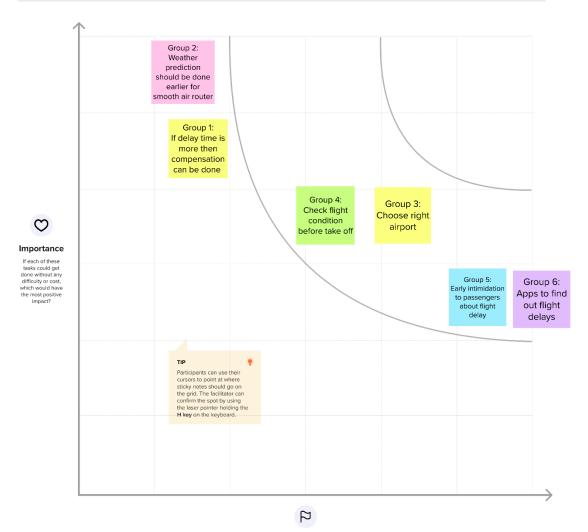|	
Schedule flight middle of week to avoid traffic	Apps to find out flight delays

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**

Importance

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

Group 2:
Weather prediction should be done earlier for smooth air router

Group 1:
If delay time is more then compensation can be done

Group 4:
Check flight condition before take off

Group 3:
Choose right airport

Group 5:
Early intimidation to passengers about flight delay

Group 6:
Apps to find out flight delays

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

Feasibility

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