

Ideation Phase

Brainstorm & Idea Prioritization

Date	06 October 2022
Team ID	PNT2022TMID43126
Project Name	Developing a flight delay prediction model using machine learning
Maximum Marks	4 Marks

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

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

Team ID: PNT2022TMID43126

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

Developing a flight delay prediction model using machine learning

PROBLEM

How might we predict the flight delay?

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.

📅

Need some inspiration?

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

Open example ➔

2

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!

Selvabhuvaneswari

Predictive models like logistic regression,support vector machine,Random forest can be used

Data exploration for flight data and weather data

Lavanya

Prepare data mining model which enables flight delays by observing weather conditions

Data training techniques like Decision trees,AdaBoost and K-Nearest Neighbors

Sribrintha

Evaluating the algorithms

The performance of the classifier is calculated using confusion matrix

Raj Kumar

Creating a website to predict flight delay

Notifying every passengers through website

Sabareeswaran

Creating a user friendly website

Predicting the delay beforehand using new predictive models

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 can break it up into smaller sub-groups.

20 minutes

TIP
Add customizable tags to notes to make it easier to browse, organize, and categorize important ideas within your mural

Predicting the flight delay and updating to users through website

The website must be user friendly and easily accessible by everyone

The website must show the clear plot of the flight delay with time delayed in minutes

Predictive models used for predicting should be good compared to other techniques

The variables must be tested and trained using several classifiers

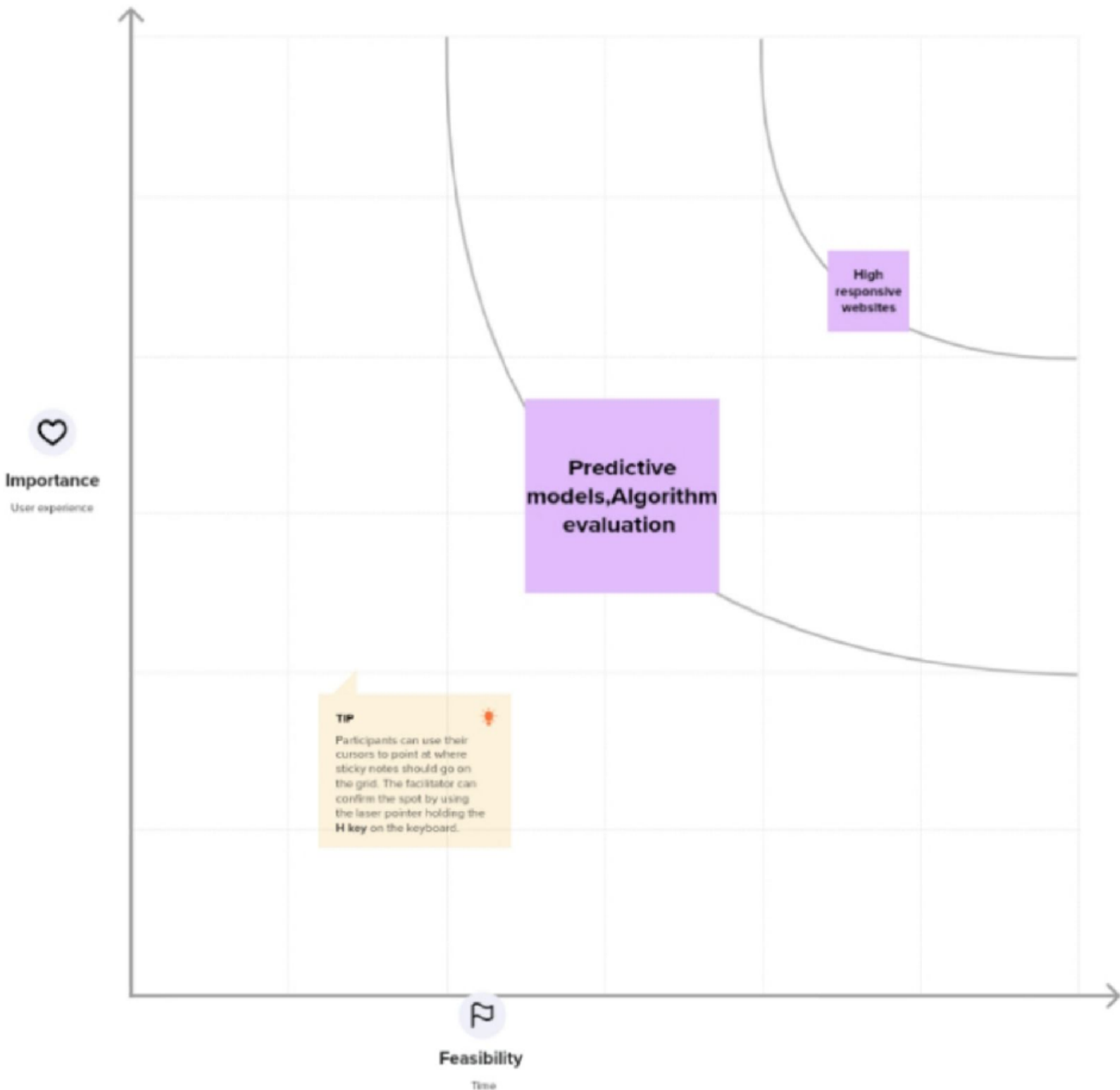
The dataset must be processed and explored for any null values

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



After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

- A Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

- Strategy blueprint**
Define the components of a new idea or strategy.
[Open the template →](#)
- Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
[Open the template →](#)

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