Ideation Phase
Brainstorm & Idea Prioritization Template

Date	01 NOVEMBER 2022
Team ID	PNT2022TMID45564
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

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

A.AGHIL

Prediction using Random Forest, Support Vector Machine, Logistic Regression, Decision Tree	Prediction of delay based on Weather Delay	Arrival and departure delays
Prediction of delay based on Aircraft Arriving Late	Flight Arrival and Departure Status	Display the delay of a particular flight

S.VIGNESH

Prediction using Random Forest, Support Vector Machine, Logistic Regression, Decision Tree	Prediction of delay based on Weather Delay	Arrival and departure delays
Airport Delays	Information about different airports	Jot down the flights on a map

S.MONIKA

Prediction using Random Forest, Support Vector Machine, Logistic Regression, Decision tree	Prediction of delay based on Air Carrier Delay	Arrival and departure delays
Information about cancelled flights	Track a flight using Origin and Destination	Track a particular flight using the Flight No

DIVYA. CVSS

Prediction using Random Forest, Support Vector Machine, Logistic Regression, Decision Tree	Prediction of delay based on Aircraft Arriving Late	Arrival and departure delays
Details of next flight to the same destination for a flight that has been delayed	Display list of flights for a particular route	Getting Flight info using its 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 and 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

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.)

- Jot down the flights on a map
- Prediction of delay based on Weather Delay
- Give frequent updates about the flight's location
- Prediction using Random Forest, Support Vector Machine, Logistic Regression, Decision Tree
- Display list of flights for a particular route
- Track a particular flight using the Flight No
- Airport Delays
- Display the delay of a particular flight
- Information about different airports
- Information about cancelled flights
- Flight Arrival and Departure Status
- Track a flight using Origin and Destination
- Prediction of delay based on Aircraft Arriving Late
- Getting Flight info using its picture
- Details of next flight to the same destination for a flight that has been delayed
- Prediction of delay based on Air Carrier Delay