

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID29843
Project Name	Developing a flight delay prediction model using machine learning.
Maximum Marks	4 Marks

### Brainstorm & Idea :

The paper uses dataset originally sourced from the Bureau of Transportation Statistics. The objective is to analyze and predict flight departure delays for a sample of flights in the USA, the main goals being:

1. Identify the most influencing factors causing flight delays
2. Predict if a specific flight will be delayed or not,
3. Estimate the magnitude and impact in case of a delay.

### Step-1: Team Gathering, Collaboration and Select the Problem Statement

1

#### Define your problem statement

Predicting the delay of flight and Reason for the delay

🕒 5 minutes

PROBLEM

We know the Delay reason  
and find the alternative  
solution



#### 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

2

### Brainstorm

The ideas that come to mind that addresses the problem statement:

🕒 10 minutes

SRIDHAR KV

By Using Air  
Traffic Control  
System(ATC)

SRIRAM SM

Identifying  
most  
influencing  
factor causing  
flight delay

TAMILARASAN D

By predicting  
Weather  
condition

VITTAL JS

By Technical  
Issues on  
flight

## 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

