

2.2 Ideation & Brainstorming Map:

1 Define a problem statement

Brainstorm



Group ideas



Prioritize



PROBLEM

2. Meanwhile, the station makes you just a casual die in the world's transportation sector, tied a lot of businesses only or various services to connect them with other parts of the world. But, extreme weather conditions may directly affect the airline services by means of flight delays.



Person 3

3 To save this time, recovery preceding these flights should allow participants to be well prepared for the different climate to the journey and enables airlines to rebook to the particular classes of the flight delays or advance to contrast the negative impact.

2 The purpose of this project is to look at the approaches used to build models for predicting flight delays that occur due to bad weather conditions.

Analyze
 passenger
 booking data to
 predict the
 likelihood of a
 flight delay

Use real-time data from weather services & a traffic control

Use deep learning models such as convolutional neural networks (CNN) or recurrent neural networks (RNN) to extract features from the input data.

Developing machine learning models such as logistic regression, neural networks, and many others.

**If You're
Already at the
Airport, Speak
to Gate Agents**

Use collaborative filtering techniques to analyze data from multiple devices and reports.

Monitor social media platforms to identify customer complaints

Develop applicable
AI models to help
engineers understand
the factors that
contribute to flight
delays.

Analyze airline operations data such as aircraft maintenance & schedules

Analyze historical flight data

booking data to predict the likelihood of a flight delay

data from
weather
services & air
traffic control

Deep learning models such as logistic regression, decision trees, and neural networks

Monitor social media platforms to identify customer complaints

Develop expandable AI models to help airlines understand the factors that contribute to flight delays.

**If You're
Already at the
Airport, Speak
to Gate Agents**

Use collaborative filtering techniques to analyze data from multiple airlines and airports.

Use deep learning models such as convolutional neural networks (CNNs) and recurrent neural networks (RNNs) to detect patterns in the data.

Analyze airline operations data such as aircraft maintenance & schedules

