Project Design Phase-I
Solution Architecture

Date	17 October 2022
Team ID	PNT2022TMID44521
Project Name	Developing A Flight Delay Prediction Model Using Machine learning
Maximum Marks	4 Marks

Solution Architecture:

The main objective of the model is to predict flight delays accurately in order to optimize flight operations and minimize delays.

- These delays are responsible for large economic and environmental losses
- Using a machine learning model, we can predict flight arrival delays.
- The input to our algorithm is rows of feature vector like departure date, departure delay, distance between the two airports, scheduled arrival time etc
- A flight is considered to be delayed when difference between scheduled and actual arrival times

Example - Solution Architecture Diagram:

Prediction

Train Data

Data

CSV

Evaluation

UI

Algorithm

Data
Preprocessing

Model

Inputs

Test Data

User