Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID16605
Project Name	Developing a Flight Delay Prediction Model using Machine Learning
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Flight delays can be very annoying to airlines, airports, and passengers. Moreover, the development of accurate prediction models for flight delays became very difficult due to the complexity of air, weather, transportation flight data. The input to our algorithm is like departure date, departure delay, distance between two airports, scheduled arrival time, etc. In this project, we try to resolve this problem with approaches used to build flight delay prediction models using machine learning model.
2.	Idea / Solution description	Developing a model which gives accurate solution for flight delay with the help of web application and machine learning algorithms
3.	Novelty / Uniqueness	The purpose of this project is to look at the approaches used to build models for predicting flight delays. using the attribute from the data set that beneficence in the prediction. Breaking all our variables into their sub categories.
4.	Social Impact / Customer Satisfaction	Flight delays have negative impacts on several aspects, such as passengers, airlines, and air transport systems. Delayed flights throw travel plans into disarray, often making passengers dissatisfied with the airlines.
5.	Business Model (Revenue Model)	The solution is the low-cost airline model planned to be created as an application with which the consumer can interact directly to know the details of the flight.
6.	Scalability of the Solution	Identifying propagated departure delays and measuring their contribution to arrival delays. This makes the passenger to take preventive action when the status of the flight delay.