

Project Design Phase-I
Proposed Solution Template

Date	29 September 2022
Team ID	PNT2022TMID23887
Project Name	Project - Developing a Flight Delay Prediction Model using Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Nowadays, the aviation industry plays a crucial role in the world's transportation sector, and a lot of businesses rely on various airlines to connect them with other parts of the world. But extreme weather conditions may directly affect the airline services by means of flight delays.
2.	Idea / Solution description	To solve this issue, accurately predicting these flight delays allows passengers to be well prepared for the deterrent caused to their journey and enables airlines to respond to the potential causes of the flight delays in advance to diminish the negative impact.
3.	Novelty / Uniqueness	Helps in determining the approximate departure and arrival time which helps in passengers easy travelling
4.	Social Impact / Customer Satisfaction	Using this model, the passengers are able to know the status of the flight and plan accordingly. This makes their journey easy and convenient and enjoyable.
5.	Business Model (Revenue Model)	Monthly Subscription.
6.	Scalability of the Solution	To choose an algorithm which considers all the parameters to be independent and to increase the dataset in order to improve the accuracy