Project Design Phase-I
Proposed Solution Template

Date	14 October 2022
Team ID	PNT2022TMID01346
Project Name	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)	In this project, we predict the delay in flight using machine learning Flight delays can be very annoying to airlines, airports, and passengers. Predicting flight delays can improve airline operations and passenger satisfaction, which will result in a positive impact on the economy. The main objective of the model is to predict flight delays accurately in order to optimize flight operations and minimize delays.
2.	Idea / Solution description	To predict flight delay that occurs due to bad weather conditions and air traffic using supervised learning in machine learning.
3.	Novelty / Uniqueness	Since large number of data is being trained using supervised learning and regression models the flight delay prediction is made precise and accurate.
4.	Social Impact / Customer Satisfaction	By predicting the flight delay in advance the passengers can plan accordingly.
5.	Business Model (Revenue Model)	Operating flights according to the schedule reflect an efficient airline since flight delay is predicted in advance the cost of cancellation reduces.
6.	Scalability of the Solution	It increase the customer satisfaction and maintaining the schedules by the airline agencies and increases the income.