Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID02088
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)	Airline Companies and their passengers need to find a way to avoid, minimize or predict flight delays to best tackle the losses due to flight delays.
2.	Idea / Solution description	To develop a prediction model that uses Machine Learning algorithms, which provide the least errors, to predict flight delays. Prior to that event, the forecast offers a delay indicator for flights. Therefore, we can avoid delays by locating and resolving problems or by taking other preventative measures to avoid financial losses.
3.	Novelty / Uniqueness	- available at all times - make precise predictions - No account creation is necessary to utilise this website - provide an estimated delay time
4.	Social Impact / Customer Satisfaction	-By anticipating the flight delay, people may plan beforehand and avoid last-minute hurries - Airlines can avoid financial losses by anticipating flight delays. -If a flight delay is known beforehand, airport officials will adjust for takeoff and landing; as a result, the consumer will be satisfied.
5.	Business Model (Revenue Model)	-generate income by putting additional commercial advertising and using google ads. -offer software for sale to airlines and airport maintenance firms. -generate income by providing clients with premium services
6.	Scalability of the Solution	-can easily add additional futures using flask. -Deploying on the cloud offers more scalability and availability; there is no need to be concerned about hardware or computing power. -by adopting agile approaches to build the app, any updates can be made at any time.