Project Design Phase-I Proposed Solution

Date	**10 October 2022**
Team ID	**PNT2022TMID18548**
Project Name	**Project – Airlines Data Analytics For Aviation Industry's**
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)	With the increasing demand of air transportation and the finite ability to amplify capacity at some key points in the air transportation system, there are concerns that in the future the system will not scale to meet demand.This situation will result in the generation and the propagation of delays throughout the system, impacting passengers' quality of travel and more broadly the economy.
2.	Idea / Solution description	To understand the consciousness traveler demand for specific city pairs and pricing flights can be done using data analytics project. Airlines use the biometric technology as a boarding option. The equipment scans travelers' faces and matches them with photos stored in border control agency databases. These can be handled with the aforementioned project.

3.	Novelty / Uniqueness		The ultimate benefits of big data analytics include strictly timely responses to current and future market demands, improved planning and strategically aligned decision making, as well as crystal clear comprehension and monitoring of all main performance drivers relevant to the airline industry. Due to the useage of smart data analytics, passengers will avoid many issues with baggage tracking. While radio frequency identification prevents mishandling the baggage, predictive analysis assists in improving the predictability of fleet reliability.
4.	Social Impact / Customer Satisfaction		Data analytics helps the industry to understand customers' preferences and other maintenance issues. For instance, analysis of ticket booking helps the industry to target the customers with personalised offers while optimising the price in real-time using predictive analysis techniques. As a result, by gathering meaningful data, airlines can fetch more bookings in the given timeframe.
5.	Business Model (Revenue Model)		Business models innovation in airlines can contribute to the creation of value, competitive advantage and profitability with new possibilities of action. A revenue model is a blueprint that shows how a startup business will earn revenue or gross income from its standard business operations, and how it will pay for operating costs and expenses.
6.	Scalability of the Solution		The Cloud Cognos Analytics is not only for particular organization/governments. Aviation industry acting under international, domestic or private are also getting satisfied with the aviation data analysing process provided as per their needs.