

Project Design Phase-I Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID04818
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)	<input type="checkbox"/> With the growing demand for air transportation and the limited ability to increase 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	<input type="checkbox"/> Understanding traveler demand for specific city pairs and pricing flights can be done using data analytics project. <input type="checkbox"/> Airlines use this 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	<ul style="list-style-type: none"> <input type="checkbox"/> The ultimate benefits of big data analytics include 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. <input type="checkbox"/> Due to the use 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	<ul style="list-style-type: none"> <input type="checkbox"/> Data analytics helps the industry to understand customers' preferences and other maintenance issues. <input type="checkbox"/> 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)	<ul style="list-style-type: none"> <input type="checkbox"/> Business models innovation in airlines can contribute to the creation of value, competitive advantage and profitability with new possibilities of action. <input type="checkbox"/> 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	<ul style="list-style-type: none"> <input type="checkbox"/> The Cloud Cognos Analytics is not only for particular organization/governments. <input type="checkbox"/> Aviation industry acting under international, domestic or private are also getting satisfied with the aviation data analysing process provided as per their needs.