

Project Design Phase-I Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID17847
Project Name	Project - AIRLINES DATA ANALYTICS FOR AVIATION INDUSTRY
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)	<ul style="list-style-type: none"> Prediction of the causes of the flight delay. With the growing demand for air transportation and the limited ability to increase capacity at some key points in the air transportation system, it is found to be difficult that in the future the system will not scale to meet demand. This will result in a generation of delays throughout the system, impacting passengers' travel and more broadly the economy. Passengers not knowing the status will be solved
2.	Idea / Solution description	<ul style="list-style-type: none"> Grouping of efficient data to predict delay of the travel period. 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.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> The advantage of big data analytics includes timely responses to current and future market demands, improved planning and strategically aligned decision making. It also includes crystal clear comprehension and monitoring of all main performance drivers relevant to the airline industry. Due to the use of smart data analytics, passengers will avoid many issues with baggage tracking. While radiofrequency 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"> Passenger satisfaction is obtained. No passenger undergoes discomfort during travel or post or pre-travel traumas. Data analytics helps the industry to understand customers' preferences and

		<p>other maintenance issues.</p> <ul style="list-style-type: none"> • 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"> • This solution can be implemented in various government and private sectors which helps enabling predictive measures. • 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	<ul style="list-style-type: none"> • This solution would be highly scalable for any platform implementation and application. • The Cloud Cognos Analytics is not only for organization/governments. • Aviation industry acting under international, domestic, or private are also getting satisfied with the aviation data analyzing process provided.