

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID08904
Project Name	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">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	<ul style="list-style-type: none">Understanding traveler demand for specific city pairs and pricing flights can be done using data analytics project.Airlines use this biometric technology as a boarding option. The equipment scans traveler's 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">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.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"> • 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. • Data analytics helps the industry to understand customers' preferences and other maintenance issues.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • 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. • Business models innovation in airlines can contribute to the creation of value, competitive advantage and profitability with new possibilities of action.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • Aviation industry acting under international, domestic or private are also getting satisfied with the aviation data analysing process provided as per their needs. • The Cloud Cognos Analytics is not only for particular organization/governments.