Project Design Phase-I

Proposed Solution Template

DATE: 13 OCTOBER 2022

TEAM ID: PNT2022TMID02023

PROJECT NAME: AIRLINES DATA ANALYTICS FOR AVAITION INDUSTRY

Proposed Solution Template:

Project team shall fill the following information in proposed solution template

1. Problem Statement (Problem to be solved)
   - Due to the rising demand for air travel and the inability to expand capacity at some critical locations .In the system of air travel, there are worries the future Inability of system to scale to meet need .This circumstance will lead to the both the creation and spread of delays over the entire system, affecting the travel experience of travellers and the economy more broadly.
2. Idea / Solution description
   - Data analytics projects can be used to analyse traveller demand for certain city pairs and price flights.
   - This biometric technology is a boarding option used by airlines. The technology scans travellers' faces and compares them to pictures in the databases of border control organisations. With the aforementioned project, these issues can be resolved.
3. Novelty / Uniqueness
   - Big data analytics' top advantages include quick reactions to present and future market demands, better planning and strategically aligned decision making, as well as unequivocal grasp and monitoring of all key performance drivers pertinent to the aviation business.
   - The application of sophisticated data analytics will help travellers avoid many baggage tracking problems. While predictive analysis helps to increase the predictability of fleet reliability, RFID identification helps to avoid improper handling of the luggage.
4. Social Impact / Customer Satisfaction
   - Data analytics helps the industry to understand customers' preferences and other maintenance issues.
   - For instance, by utilising predictive analysis techniques, the analysis of ticket sales enables the sector to target clients with personalised offers and instantly

adjust prices. Airlines can therefore obtain more bookings in the allotted time by obtaining useful data.

5. Business Model (Revenue Model)
   - With fresh opportunities for action, business model innovation in the aviation industry can help to create value, competitive advantage, and profitability.
   - A revenue model is a plan that outlines how a new company will cover its operational costs and expenses while also generating revenue or gross income from its regular business operations.
6. Scalability of the Solution
   - The Cloud Cognos Analytics is available to all businesses and governments.
   - The aviation data analysis procedure offered in accordance with their needs is also being appreciated by the aviation sector, whether it operates on an international, domestic, or private level.