Project Design Phase -1

Proposed Solution

Team ID	PNT2022TMID22532
Project Name	Airlines Data Analytics for Avaition Industry

Propose Solution Template:

S.No	Parameter	Description
1	Problem statement	The spread of delay propagation in continuous flights often leads to large-scale flight delays.
2	Idea/Solution description	By analyzing the historical data of flight delay, the delay problem can be effectively prevented and controlled.
3	Novelty/Uniqueness	Where the existing system using a flight chain model to evaluate flight delays. But our goal is to use exploratory analysis and to build machine learning models to predict airline departure and arrival delays.
4	Social impact/Customer satisfaction	The customer experience is not only based on traveling in flight, its everything from purchasing the ticket on the website, checking luggage in airport.
5	Business Model (Revenue model)	Additional loyalty points for pass/ voucher purchase. Expanding the choice of air transport to consumers at the lowest cost. It is made leveraging their cost efficiency and innovation to remain in a leading position.
6	Scalability of the solution	✓ Integrating new services into the current model and enhancing customer service. ✓ Crossing international borders and experimenting with long-haul segments. ✓ Airline assets (network, fleet) and revenue management strategies need to be optimised. ✓ The revenue management solutions you rely on must support the dynamic pricing environment of the hybrid Carrier.