**Project Design Phase -1**

**Proposed Solution**

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| Team ID | PNT2022TMID22532 |
| Project Name | Airlines Data Analytics for Avaition Industry |

**Propose Solution Template:**

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| 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. |