**Project Design Phase**

**Proposed Solution Template**

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID31510 |
| Project Name | Airlines Management System |
| Maximum Marks | 2 Marks |

### Proposed Solution Template: Airlines Management System:

| **S.No.** | **Parameter** | **Description** |
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| 1. | **Problem Statement (Problem to be solved)** | Inefficient flight booking, manual crew assignments, lack of real-time flight updates, and poor communication between passengers and airline staff lead to delays, overbooking, and passenger dissatisfaction. |
| 2. | **Idea / Solution Description** | Build a cloud-based Airlines Management System on Salesforce that digitizes bookings, automates crew scheduling, tracks flight statuses in real-time, and provides dashboards for operational visibility. |
| 3. | **Novelty / Uniqueness** | Unlike traditional airline systems, this solution offers AI-based crew optimization, integrated passenger communication, mobile access for staff, and visual dashboards for flight status tracking. |
| 4. | **Social Impact / Customer Satisfaction** | Reduces flight delays and human error, ensures better coordination, improves passenger experience with timely updates, and increases operational efficiency of airline staff. |
| 5. | **Business Model (Revenue Model)** | Subscription-based SaaS offering for airline operators with scalable tiers based on fleet size and passengers. Additional charges for analytics, integrations, and advanced automation modules. |
| 6. | **Scalability of the Solution** | Scalable across multiple airports, flight routes, and airline branches. Supports multilingual passenger interfaces and integration with third-party airport and weather systems. |