**Project Design Phase**

**Proposed Solution Template**

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| Date | 30-06-2025 |
| Team ID | LTVIP2025TMID43096 |
| Project Name | Flight Finder: Navigating Your Air Travel Options |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | In today's digital world, users struggle to find a reliable and user-friendly platform for booking flights. Existing systems often lack personalization, transparency, and ease of use. |
|  | Idea / Solution description | Our solution is a full-stack flight booking application using the MERN stack (MongoDB, Express, React, Node.js). It enables customers to search, book, and manage flights with features like seat class selection, booking history, and secure authentication. Admins and flight operators can manage flights and bookings effectively. |
|  | Novelty / Uniqueness | The platform offers role-based login (customer, admin, flight operator), dynamic flight search with return and one-way options, real-time booking management, and a clean, responsive UI. |
|  | Social Impact / Customer Satisfaction | The application improves access to travel for users with a seamless experience. It saves time, enhances trust with confirmations, and empowers operators/admins to manage bookings easily. |
|  | Business Model (Revenue Model) | Potential revenue can be generated via service charges on bookings, promotions for airlines, or premium features like priority bookings, loyalty rewards, and targeted advertisements. |
|  | Scalability of the Solution | Built on the scalable MERN architecture, the system can be expanded to include hotels, buses, or trains, and integrated with payment gateways and third-party APIs for global coverage. |