

**Project Design Phase**  
**Proposed Solution Template**

Date	27 june 2025
Team ID	LTVIP2025TMID58003
Project Name	Flightfinder:Navigating your air Travel Options
Maximum Marks	2 Marks

**Proposed Solution Template:**

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Flight booking processes are often fragmented, requiring users to rely on multiple platforms or stand in queues. There is a need for a unified platform to book, manage, and monitor flights easily and securely.
2.	Idea / Solution description	Our MERN-based Flight Booking App provides a seamless experience for users to search, book, and manage flight tickets. Admins can add and monitor flights, and operators can handle their listings. It offers role-based login, ticket booking, and user-friendly dashboards.
3.	Novelty / Uniqueness	This solution includes multiple user roles (Admin, Operator, User) with dedicated dashboards. It features real-time booking management, class-based seat allocations, and MongoDB integration for dynamic data storage. The modular design ensures maintainability and scalability.
4.	Social Impact / Customer Satisfaction	This app empowers users by saving time and reducing errors during the booking process. It increases transparency and gives real-time booking feedback. It is especially helpful for rural and semi-urban users with simplified access to air travel services.
5.	Business Model (Revenue Model)	Revenue can be generated through advertisements, premium booking features, collaborations with airline partners, and booking commissions. Future monetization can include dynamic pricing algorithms and business-class subscriptions.
6.	Scalability of the Solution	The app is built using scalable technologies (React, Node, MongoDB). It supports database scaling via MongoDB Atlas and

		frontend/backend deployment on platforms like Netlify and Render. Additional modules like hotel booking and travel insurance can be added.
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