**Project Design Phase**

**Proposed Solution Template**

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| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID53108 |
| Project Name | Flightfinder |
| Maximum Marks | 2 Marks |

**FlightFinder proposed solution**

| **S. No.** | **Parameter** | **Description** |
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| 1 | **Problem Statement** | Modern travelers struggle with real-time flight details—delays, pricing, and comparisons—due to fragmented, outdated platforms lacking user-focused design. |
| 2 | **Idea / Solution Description** | *FlightFinder* is a responsive flight discovery and tracking tool leveraging MongoDB Atlas and Atlas Search. It provides real-time recommendations based on pricing, preferences, and route optimization, with dynamic indexing for high-speed querying. |
| 3 | **Novelty / Uniqueness** | - Dynamic indexing adapts to live flight updates.  - Full-text search on metadata using Atlas Search.  - Predictive filters and suggestions from user interaction history. |
| 4 | **Social Impact / Customer Satisfaction** | Reduces travel stress with transparent, real-time, and customizable updates. Boosts user confidence in travel planning and provides accessible travel insights. |
| 5 | **Business Model (Revenue Model)** | - Freemium app with advanced features via subscription. - Affiliate partnerships with airlines/travel agencies. - API licensing for B2B travel platforms. |
| 6 | **Scalability of the Solution** | Cloud-native architecture supports global scale. MongoDB Atlas ensures performance under growing data loads and traffic. Modular design enables region-wise deployment and integration with new partners. |