Project Design Phase

Proposed Solution Template

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

Flight Finder proposed solution

S. No.	Parameter	Description
1	**Problem Statement**	Modern travellers struggle with real-time flight details—delays, pricing, and comparisons—due to fragmented, outdated platforms lacking user-focused design.
2	**Idea / Solution Description**	Flight Finder 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.