

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

Date	03-12-2025
name	m.sriram
Project Name	Flight Booking System
Maximum Marks	2 Marks

**Proposed Solution for Flight Booking System**

S. No.	Parameter	Description
1	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> <li>Many passengers struggle to find suitable flights because of outdated systems and offline booking methods.</li> <li>Lack of real-time pricing, seat availability, and slow ticket confirmation leads to booking failures.</li> <li>Airline staff also face difficulty updating flight data manually.</li> </ul>
2	Idea / Solution Description	<ul style="list-style-type: none"> <li>The Flight Booking System is a web-based platform where passengers can search flights, enter passenger details, make secure payments, and get instant ticket confirmation (PNR).</li> <li>Admins can manage flights, pricing, schedules, and availability through an integrated dashboard.</li> </ul>
3	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>Real-time flight availability and price sync with airline system</li> <li>Instant PNR and e-ticket after payment</li> <li>Easy cancellation &amp; refund tracking</li> <li>Passenger booking history stored digitally</li> <li>Automated admin flight &amp; schedule management</li> </ul>
4	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>Reduces dependency on travel agents and long waiting queues</li> <li>Transparent pricing and seat availability improves trust</li> <li>Fast booking experience increases customer satisfaction</li> <li>Works on any device for easy access anywhere</li> </ul>
5	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>Revenue through booking service charges</li> <li>Commission from airline partnerships</li> <li>Membership program for frequent travelers</li> <li>Travel-related advertisements and promotions</li> </ul>

6	Scalability of the Solution	<ul style="list-style-type: none"><li>• Can expand globally with multi-currency and multi-language support</li><li>• Adds future services like hotel bookings &amp; packages</li><li>• Cloud-based scalable architecture for peak travel seasons</li><li>• Support for multiple airline integrations</li></ul>
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