Project Design Phase
Proposed Solution Template

Date	15 February 2025
Team ID	
Project Name	FLIGHT BOOKING SYSTEM
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)	Booking flight tickets can often be time-consuming and confusing for users due to lack of centralized systems, unclear interfaces, and limited flexibility in modifying bookings. Additionally, many existing platforms do not provide real-time updates or sufficient automation for both users and airline companies.
2.	Idea / Solution description	The Flight Booking System is a web-based application that allows users to search for flights, book tickets, and manage reservations easily. Admins can manage flights, view bookings, and update schedules. It provides a centralized platform for both users and admins with a clean user interface and basic CRUD functionalities, improving the overall flight booking experience.
3.	Novelty / Uniqueness	Unlike many generic booking systems, this solution is lightweight and customizable, with a clean database schema and modular code. It focuses on simplicity and usability, making it ideal for educational or startup-level implementation. It's built using Django and can be extended to include features like payment gateway, user authentication, and seat selection.
4.	Social Impact / Customer Satisfaction	The system reduces manual errors and booking complexity. It improves customer satisfaction by offering a faster, transparent, and user-friendly way to book and manage flight reservations. It can also help small airline companies or travel startups provide a digital interface to their customers.
5.	Business Model (Revenue Model)	This system can be monetized by offering it as a SaaS (Software as a Service) product to travel agencies or small airlines. Additional revenue can be generated through service fees per booking, premium features (seat selection, meals), or advertisements.

6.	Scalability of the Solution	The backend is built using Django which supports scalability. The system can be easily extended to handle more users, integrate with payment gateways, add APIs for third-party services, and host on cloud platforms. Future enhancements can include mobile app integration and real-time flight tracking.