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Project Design Phase
Proposed Solution Template

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Date	23 JUNE 2025
Team ID	LTVIP2025TMID54908
Project Name	DOCSPOT: Seamless Appointment Booking for Health
Maximum Marks	2 Marks

Proposed Solution Template:

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Booking medical appointments is often time-consuming, confusing, and inconvenient for patients. Clinics and hospitals also struggle with managing slots, patient data, and cancellations efficiently. There is a need for a smart, centralized, and simple digital system to handle appointment bookings in a hassle-free manner.
2.	Idea / Solution description	DOCSPOT is a full-stack web application that allows patients to view doctors' profiles, check availability, and book appointments online. Doctors can manage their time slots, accept or reject bookings, and maintain patient history. The system is built using HTML, CSS, JavaScript (React), Node.js, and MongoDB.
3.	Novelty / Uniqueness	Unlike other apps that are either too complex or limited to specific hospitals, DOCSPOT is lightweight, user-friendly, and can be customized for individual clinics or small hospitals. It supports multi-doctor, multi-speciality bookings with built-in notifications and schedule updates.
4.	Social Impact / Customer Satisfaction	DOCSPOT improves access to healthcare by reducing wait times, confusion, and manual efforts. Patients get faster appointment booking, while clinics can organize their schedules better. It increases overall satisfaction and trust in digital health services.
5.	Business Model (Revenue Model)	The product can be offered to clinics as a SaaS model with monthly or yearly subscription. Additional income can be generated by offering premium features like video consultation, patient reminders, and analytics.
6.	Scalability of the Solution	The system is scalable for use across cities or even states. New features like telemedicine, digital prescriptions, and patient history tracking can be added easily. It can also be converted into a mobile application for better accessibility.