

Project Design Phase
Proposed Solution Template

Date	15 JUNE 2025
Team ID	LTVIP2025TMID46139
Project Name	DOC SPOT
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)	Accessing quality healthcare in a timely manner is challenging, especially in busy urban areas and rural regions. Patients often face difficulties in finding available doctors, managing appointments, and avoiding long wait times. Traditional booking methods are inefficient, time-consuming, and lack transparency.
2.	Idea / Solution description	DocSpot is a digital appointment booking platform that bridges the gap between patients and doctors. It allows patients to search for doctors based on specialization, location, and availability, and book appointments online. Doctors can manage their schedules, and admins can approve and monitor users. The platform ensures secure data handling and provides a seamless healthcare access experience.
3.	Novelty / Uniqueness	Unlike basic booking apps, DocSpot offers: <ul style="list-style-type: none">• Role-based dashboards (patient, doctor, admin)• Real-time appointment status updates• Admin-controlled doctor verification• Filtering of doctors by expertise and ratings

		<ul style="list-style-type: none"> • Scalable MERN architecture for smooth performance • This makes it more robust and trustworthy compared to typical appointment systems.
4.	Social Impact / Customer Satisfaction	DocSpot reduces patient stress by simplifying access to healthcare. It saves time, avoids unnecessary travel, and ensures timely consultations. For doctors, it improves appointment management. The system enhances satisfaction for both ends by offering convenience, trust, and improved health outcomes.
5.	Business Model (Revenue Model)	DocSpot can generate revenue through: <ul style="list-style-type: none"> • Subscription plans for doctors (monthly/annual) • Commission per appointment booked • Featured listings for doctors or clinics • Ads or promotions on the platform (optional)
6.	Scalability of the Solution	Built using the MERN stack, DocSpot is highly scalable: <ul style="list-style-type: none"> • It can be expanded to include teleconsultation, prescription management, and lab bookings. • The system can handle increasing users and appointments efficiently. • It can be adapted for mobile apps and deployed across different regions or hospitals.