**Project Design Phase**

**Proposed Solution Template**

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| Date | 15 JUNE 2025 |
| Team ID | LTVIP2025TMID46308 |
| 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** | Accessing timely and quality healthcare remains a major hurdle, especially in overcrowded urban clinics and underserved rural areas. Patients often struggle to find available doctors and face long wait times. Existing appointment systems are largely outdated, inefficient, and lack transparency. |
| 2 | **Solution Overview** | **DocSpot** is a comprehensive web-based appointment booking system designed to connect patients with doctors in a seamless and efficient manner. Patients can search for doctors based on specialization, location, or availability, and book appointments online. The platform supports role-specific interfaces for doctors and administrators, enabling efficient schedule management and user monitoring. All data is securely handled to ensure user privacy and system integrity. |
| 3 | **Innovation / Unique Features** | DocSpot stands apart from basic scheduling tools through a combination of smart design and technical architecture: • Personalized dashboards for patients, doctors, and admins • Real-time updates on appointment status • Verified doctor onboarding through admin controls • Advanced filters for doctor expertise, location, and ratings • Scalable MERN stack backend ensuring reliability under high load These features enhance both usability and credibility. |
| 4 | **Social Value / Customer Impact** | DocSpot promotes accessible and patient-friendly healthcare. It minimizes the need for physical travel, reduces waiting times, and provides transparency in doctor availability. Doctors benefit from organized appointment tracking, while patients enjoy hassle-free scheduling. This leads to improved satisfaction, reduced stress, and better health outcomes. |
| 5 | **Revenue Strategy** | The platform can generate income through various channels: • Subscription tiers for doctors (monthly/annual) • Small commission on each appointment booked via the platform • Premium listings for increased visibility • Optional in-platform advertisements and health service promotions |
| 6 | **Scalability Potential** | DocSpot is architected for growth using the MERN stack. It can easily scale to support additional features such as: • Telemedicine consultations • Prescription generation and sharing • Diagnostic/lab test bookings • Integration with mobile apps for cross-platform accessibility Additionally, the platform can be tailored for hospitals, clinics, or regional healthcare systems across different geographies. |