## **Project Design Phase**

### **Proposed Solution Template**

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| Date | 23 June 2025 |
| Team ID | LTVIP2025TMID55161 |
| Project Name | Docspot |
| Maximum Marks | 2 Marks |

*  **Seamless Doctor Search** Patients can quickly find doctors using smart filters based on specialty, availability, and location—eliminating long wait times and uncertainty.
*  **Simplified Booking Experience** The platform enables instant booking with slot selection and optional document uploads, making appointment scheduling hassle-free.
*  **Role-Based Dashboards** Tailored interfaces for patients, doctors, and administrators allow each user type to focus on what matters most—be it managing appointments or tracking activity.

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| |  |  | | --- | --- | | **Feature Area** | **Proposed Solution** | | **Booking & Discovery** | Real-time doctor search using filters such as specialty, location, and availability. | | **Patient Dashboard** | User-friendly interface to view booking history, upcoming appointments, and upload relevant medical reports. | | **Doctor Dashboard** | Schedule management tools for reviewing, confirming, rescheduling, or cancelling appointments; access to patient details and visit notes. | | **Appointment Lifecycle** | Status flow tracking (Pending → Confirmed → Completed → Cancelled) with clear UI indicators and color-coded feedback. | | **Admin Management** | Admin panel for onboarding doctors, approving profiles, monitoring activity logs, and resolving user disputes. | | **Reminders & Alerts** | Automated SMS/email alerts to reduce no-shows and keep patients and doctors informed of upcoming appointments. | | **Secure Records** | Patient data privacy ensured through secure login, encrypted uploads, and role-based access to health information. | | **Telehealth Integration** | Optional video consultation feature to enable virtual appointments within the same platform. | | **Scalability & Hosting** | Built using React, Express, MongoDB, and hosted via platforms like Render or Vercel for smooth deployment and maintenance. | |