

Project Design Phase

Proposed Solution Template

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| Date | 19 February 2026 |
| Team ID | LTVIP2026TMIDS66927 |
| Project Name | Docspot: seamless appointment booking for health |
| 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.

| 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. |