

# Project Design Phase

## Proposed Solution Template

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