

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	20 February 2026
Team ID	LTVIP2026TMIDS35287
Project Name	Docspot - Seamless Appointment Booking System
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Authentication	JWT-based authentication Password encryption using bcrypt
FR-4	Appointment Booking	View doctor profiles View available time slots Book appointment View appointment history
FR-5	Doctor Management	Doctor registration request Admin approval workflow Update availability Accept/Reject appointments
FR-6	Admin Control	Approve/Reject doctor registrations Manage users Monitor appointments
FR-7	Data Management	Store user data in MongoDB Store doctor data Store appointment records

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
--------	----------------------------	-------------

NFR-1	<b>Usability</b>	System should have a responsive and user-friendly interface.
NFR-2	<b>Security</b>	Password encryption and JWT-based authentication must be implemented.
NFR-3	<b>Reliability</b>	System should correctly store and retrieve appointment data.
NFR-4	<b>Performance</b>	Appointment booking and data retrieval should be fast and efficient.
NFR-5	<b>Availability</b>	System should be accessible to users anytime via web browser
NFR-6	<b>Scalability</b>	System should support increasing number of users and appointments.