

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

Date	15 JUNE 2025
Team ID	LTVIP2025TMID46139
Project Name	DOC SPOT
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	Appointment Booking	Search doctors by specialization/location View doctor profile and availability Book appointment with preferred doctor
FR-4	Dashboard Access	View upcoming appointments Notifications for approvals & cancellations Access past appointment history

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should be user-friendly with a clean UI and intuitive navigation for all user types (patients, doctors, admin).

NFR-2	Security	User data must be securely stored using encryption; login should be protected by authentication tokens (JWT); sensitive APIs should be access-controlled.
NFR-3	Reliability	The system should operate without failure under expected usage; it should handle common exceptions and restore from crashes gracefully.
NFR-4	Performance	The application should load within 3 seconds and handle multiple users without significant slowdown.
NFR-5	Availability	The platform should be available 99.5% of the time, especially during working hours. Downtime should be minimized.
NFR-6	Scalability	The system should support future increase in users, doctors, and appointments without requiring major redesign.