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

Date	16 February 2026
Team ID	LTVIP2026TMIDS34705
Project Name	DocSpot – Seamless Doctor 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	Doctor Search & Discovery	Filter by Specialty; Search by Proximity/Location; View Doctor Profile & Ratings
FR-4	Appointment Management	Real-time Slot Selection; Instant Booking Confirmation; Appointment Cancellation/Rescheduling

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The interface should be intuitive, allowing a patient to book an appointment in under three clicks.
NFR-2	**Security**	All patient health records and personal data must be encrypted; HIPAA compliance measures must be integrated.
NFR-3	**Reliability**	The system must maintain 99.9% uptime to ensure appointments can be booked at any time.
NFR-4	**Performance**	Search results for local doctors should load in under 2 seconds.
NFR-5	**Availability**	The platform must be accessible 24/7 across mobile and web platforms.
NFR-6	**Scalability**	The system should handle a growing number of simultaneous users and doctor database expansions without performance lag.