**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

**Date:** 31 January 2025  
**Team ID:** LTVIP2025TMID54470  
**Project Name:** DocSpot: Seamless Appointment Booking for Health  
**Maximum Marks:** 4 Marks

**✅ Functional Requirements**

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | - Registration through Form- Registration through Gmail- Registration through Facebook |
| FR-2 | User Confirmation | - Confirmation via Email- Confirmation via OTP |
| FR-3 | Appointment Booking | - Search Doctors by specialty/location- View availability- Book appointment |
| FR-4 | Appointment Management | - Cancel appointment- Reschedule appointment- View appointment history |
| FR-5 | Medical Records | - Upload patient documents- View visit summary- Download prescription |
| FR-6 | Doctor Management | - Doctor registration- Doctor verification by Admin- View patient appointments |
| FR-7 | Notifications | - Email alerts- Appointment reminders- Rescheduling alerts |
| FR-8 | Admin Dashboard | - Monitor activity- Approve/Reject doctors- Handle disputes |

**✅ Non-functional Requirements**

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | Usability | The application must be easy to navigate for patients, doctors, and admins. |
| NFR-2 | Security | All data (including medical records) must be secured using HTTPS and JWT. |
| NFR-3 | Reliability | The platform should reliably send notifications and maintain appointment data integrity. |
| NFR-4 | Performance | The system should load pages in under 2 seconds and support concurrent users smoothly. |
| NFR-5 | Availability | The platform should maintain 99.9% uptime for appointment bookings. |
| NFR-6 | Scalability | The system should scale efficiently with increasing users and appointments. |