**Project Design Phase-II**

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

| Date | 26-06-2025 |
| --- | --- |
| Team ID | LTVIP2025TMID59705 |
| Project Name | DocSpot |
| 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 Authentication | Sign up, Login, Password Reset  And login using Google / GitHub |
| FR-2 | Appointment Booking | Search doctors by specialty, location, and availability  Book, reschedule, and cancel appointments |
| FR-3 | Calendar & Schedule Management | Freelancers apply to jobs  View upcoming and past appointments |
| FR-4 | Notifications & Reminders | Automated SMS/email reminders for upcoming appointments |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | The platform should provide a simple, clean UI for all users, including patients and healthcare providers. |
| NFR-2 | **Security** | All patient and appointment data must be encrypted. Implement role-based access and secure authentication |
| NFR-3 | **Reliability** | Appointment booking, notifications, and telehealth services must be available and dependable at all times. |
| NFR-4 | **Performance** | Pages and booking actions should load within 2 seconds; reminders and notifications should be timely. |
| NFR-5 | **Availability** | The system should ensure 99.9% uptime with minimal downtime. |
| NFR-6 | **Scalability** | Support a growing number of users, providers, and concurrent bookings without degradation. |