**Project Design Phase-II**

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

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| --- | --- |
| Date | 28 june 2025 |
| Team ID | LTVIP2025TMID32085 |
| Project Name | HealthAI-Intelligent-Healthcare-Assistant-Using-IBM-Granite- |
| 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** | **Patient Management** | **View Patient Records** |
|  |  | **Update Patient Information** |
|  |  | **Delete Patient Records** |
| **FR-4** | **Appointment Scheduling** | **Schedule New Appointments** |
|  |  | **Cancel Appointments** |
|  |  | **Reschedule Appointments** |
| **FR-5** | **Health Monitoring** | **Track Vital Signs (e.g., heart rate, blood pressure)** |
|  |  | **Send Alerts for Abnormal Readings** |
| **FR-6** | **Medication Reminders** | **Set Up Medication Schedules** |
|  |  | **Notify Users for Medication Times** |

**Non-functional Requirements**

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

**| NFR No.**

| **Non-Functional Requirement** | **Description** |  |
| --- | --- | --- |
| **NFR-1** | **Usability** | **The application should be user-friendly and intuitive, allowing users to navigate easily.** |  |
| **NFR-2** | **Security** | **Implement strong security measures, including data encryption and secure access controls.** |  |
| **NFR-3** | **Reliability** | **The system should be reliable, ensuring consistent performance and minimal downtime.** |  |
| **NFR-4** | **Performance** | **The application should handle a high number of requests per second without degradation in performance.** |  |
| **NFR-5** | **Availability** | **The system should be available 99.9% of the time, with minimal maintenance windows.** |  |
| **NFR-6** | **Scalability** | **The architecture should support scaling to accommodate an increasing number of users and data.** |  |

**This**