**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 19/05/2025 – 30/06/2025 |
| Team ID | LTVIP2025TMID31711 |
| 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** | **Sub Requirement** |
| FR-1 | User Registration | Form, Gmail |
| FR-2 | Symptom Input | Free text box |
| FR-3 | Disease Prediction | AI model inference |
| FR-4 | Treatment Suggestion | AI-generated advice |
| FR-5 | Health Analytics | Graphs from stored logs |
| FR-6 | Profile Management | Edit/update data |
| FR-7 | Data Logging | Manual health input |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **NFR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | Clean UI via Streamlit |
| NFR-2 | Security | Email protection, API security |
| NFR-3 | Reliability | 24x7 availability, backup |
| NFR-4 | Performance | Fast AI response (<2 sec) |
| NFR-5 | Availability | Hosted on IBM Cloud or Streamlit Sharing |
| NFR-6 | Scalability | Expandable to include new health features |