**Project Design Phase-II**

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

| **Date** | **15 October 2022** |
| --- | --- |
| **Team ID** | **PNT2022TMID14193** |
| **Project Name** | **Project – Analytics for Hospital**  **Healthcare Data** |
| **Maximum Marks** | **4 Marks** |

Following are the functional requirements of the proposed solution.

| **FR**  **No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | Collect data | Data from various sources are collected using different methods in order to provide optimized results. |
| FR-2 | Data Cleaning and  Wrangling | When combining multiple data sources, there are many opportunities for data to be duplicated or mislabeled hence we cleanse the data |
| FR-3 | Creating data model | The process of analyzing and defining all the data, as well as the relationships between those bits of data comes under this. |
| FR-4 | Prediction and Analysis | The hidden trends are analyzed and the final results are predicted using machine learning and AI algorithms. |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution

| **FR No.** | **Non-Functional**  **Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | The project must be easy to use. The user needs to have a good experience while working with the interface. |
| NFR-2 | **Security** | Every user can access the website only if they posses the password. The database is secured with encryption techniques which provides high levels of security |
| NFR-3 | **Reliability** | The project must have minimal degree of failure under normal usage and how often does the user get access to this work |
| NFR-4 | **Performance** | The project must respond quickly to the user's actions or even if the user has to wait the waiting period must be short. |
| NFR-5 | **Availability** | The project is platform independent. It runs perfectly on almost every platform. |
| NFR-6 | **Scalability** | The project allows multiple users to handle the data at the same time. It is highly scalable since adding features and making advancements in the website is uncomplicated. |