Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 24 November 2022 |
| Team ID | PNT2022TMID51381 |
| Project Name | Project - Analytics for Hospitals' Health-Care Data |
| Maximum Marks | 4 Marks |

Functional Requirements:

Following are the functional requirements of the proposed solution.

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| FR  No. | Functional Requirement  (Epic) | Sub Requirement (Story / Sub-Task) |
| FR-1 | User Registration | Registration through Form  Registration through website |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via Message |
| FR-3 | Data Cleaning | We clean the data because there are many potential for data to be duplicated or incorrectly labelled when merging multiple data sources |
| FR-4 | Reliability | Users may utilize this dashboard in an effective, efficient, and reliable manner since it is consistent and reliable for them. |
| FR-5 | Accuracy | Dashboard accurately predicts the patient's health risks based on the length of their stay. |

Non-functional Requirements:

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

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| FR  No. | Non-Functional Requirement | Description |
| NFR-1 | Usability | In order to provide a clear understanding of the patient's Length Of Stay, this dashboard makes use of data visualisation techniques including charts and graphs. |
| NFR-2 | Security | Only users who have the password can access the website. High degrees of security are provided through the use of encryption techniques to secure the database. |
| NFR-3 | Reliability | Users will find this dashboard to be constant and dependable, assisting them in using it effectively, efficiently, and dependably. |
| 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 independent of platforms. On practically every platform, it functions flawlessly. |
| NFR-6 | Scalability | The project enables concurrent usage of the data by several people. Because adding features and improving the website is simple, it is very scalable. |