**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID23557 |
| Project Name | AMALYSIS FOR HOSPITAL’S 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 the form |
| FR-2 | Check availability | Checking the availability of rooms and beds in the hospital for allocating the rooms and bed for a new patient |
| FR-3 | Analysing the user data | Analysing through a registered form by a user and providing the LOS |
| FR-4 | Display the data | Using a dashboard displaying a patient progress and also updating the LOS |

**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** | It is very user friendly application as we are using the visualizations techniques for easy understanding of the LOS. |
| NFR-2 | **Security** | We can secure the patients data with appropriate caution and take smart decisions . Restrict access to data and applications. |
| NFR-3 | **Reliability** | It provides consistency in quality and safety of health care systems or processes performed over a required period of time .it is trustable since it has a lower risk of errors and processes failures that can cause patients harm. |
| NFR-4 | **Performance** | It is high performance performed application because doctors can easily find the available LOS. |
| NFR-5 | **Availability** | It measures the extent to which the provider has the requisite the LOS which meets the needs of the user. |
| NFR-6 | **Scalability** | Scalability provides implanting a digital way to accommodate in any size facility with any number of users. Multiple facilities can be hooked up to a central administrative control centre ,all able to operate together at the same time and able to share information with each other at the same time |