**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 05 October 2022 |
| Team ID | PNT2022MID31903 |
| Project Name | Project – analytics for hospitals health |
|  | care data |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR** | **Functional Requirement** | **Sub Requirement (Story / Sub-Task)** |
| **No.** | **(Epic)** |  |
| FR-1 | User Registration | Form for registration using gmail or phone |
|  |  | number |
| FR-2 | User Confirmation | Confirmation of account using mail or OTP |
|  |  |  |
| FR-3 | Interoperability | With the help of dashboard it is possible to |
|  |  | transmit patient information with hospital |
| FR-4 | Accuracy | Based on LOS (Length of Stay), can predict |
|  |  | patient’s health risk using dashboard |
| FR-5 | Compliance | The use of a dashboard for compliance by |
|  |  | hospitals is quite dynamic and takes place in |
|  |  | real time |
| FR-6 | Concise | These dashboards are easy to understand, |
|  |  | simple to customize and interactive. |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR** | **Non-Functional** | **Description** |
| **No.** | **Requirement** |  |
| NFR- | **Usability** | In order to provide visual representation |
| 1 |  | of the patient’s LOS, dashboard makes |
|  |  | use of data visualization techniques like |
|  |  | charts and graphs |
| NFR- | **Security** | The dashboard aids in indicating the level |
| 2 |  | of threat that currently exits for the |
|  |  | hospitals, as well as past occurrences and |

|  |  |  |
| --- | --- | --- |
|  |  | incidents, authentication mistakes, scams, |
|  |  | probes and unwanted access |
| NFR- | **Reliability** | Users will find this dashboard to be |
| 3 |  | consistent, dependable and helpful in |
|  |  | using in an effective, efficient and |
|  |  | dependable manner |
| NFR- | **Performance** | This dashboard may scan backend users, |
| 4 |  | examining how frequently they visit the |
|  |  | dashboard might reveal relevant |
|  |  | information about the jobs the data is |
|  |  | beneficial for. |
| NFR- | **Availability** | The dashboard is able to promptly satisfy |
| 5 |  | user needs and aids in giving the user’s |
|  |  | dataset the relevant information |
| NFR- | **Scalability** | A hosted feature layer, feature layer view |
| 6 |  | or hosted tile layer are the layers that are |
|  |  | used in the dashboard. |