**Project Design Phase-II**

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

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID44635 |
| Project Name | Project – analytics for hospital 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 | Register portal or dashboard |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | dashboard | The collect the data are found in visualized format and the prior data as analyzed. |
| FR-4 | dataset | The patients record and staff record are collected and consolidated as dataset |
| FR-5 | Report generator | The periodic reports of patients and Los are reported |
| FR-6 | exploration | The data exploration on available dataset |

**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** | The effectiveness, efficiency and satisfaction with which specific user can achieve aa specific set of task in a particular environment |
| NFR-2 | **Security** | Educate heath care staff  The data are confidential so hospital staff conscious about it.  restrict access to data and application |
| NFR-3 | **Reliability** | The analytics systems ensures patients Los can be identified. Data analytics in clinical settings attempts to reduced patients wait via improved scheduling and staffing ,give patients more option when scheduling appointment and receiving treatment and reduced readmission rates by using population health data to predict which patient are at greatest risk |
| NFR-4 | **Performance** | Promote preventive in measures by giving patients greater insight into their health and treatment goals.  The accurate results of patient Los can be identified |
| NFR-5 | **Availability** | The availability od data set must be constrained for accurate data. Each year there is more demand for data analytics and scientist than there are people with the right skills to fills those roles. |
| NFR-6 | **Scalability** | Any kind data can be explored and the system is quite expendable. scalability is the ability of a health intervention shown to be efficacious on a small scale and/or under controlled condition to be expanded under real world conditions to reach a greater proportion of the eligible population, while retaining effectiveness |