

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	03 October 2022
Team ID	PNT2022TMID04490
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 No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	<b>User Registration</b>	Registration through Form
FR-2	<b>User Confirmation</b>	Confirmation via Email Confirmation via OTP
FR-3	<b>Patient Report</b>	The patient Report is made up of the patient's database, which includes their personal information and the name of the doctor they are seeing. Ward information and, if available, medical information
FR-4	<b>Discharge management</b>	Update the information about patients leaving the hospital after receiving care, then including that bed in the list of available beds.
FR-5	<b>Operability</b>	Collect patient data and make it operable among the management.
FR-6	<b>Ward conformation</b>	Confirmation of bed for the patient if the bed is available. They can check the availability of bed through the information provided in the dashboard.

## Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Patients can examine the available beds and get an overview of the length of stay for each patient via the dashboard. And through the data visualization they can understand clearly as it is represented through graphs and charts.
NFR-2	<b>Security</b>	Confidence Security should be provided like industry level security.
NFR-3	<b>Reliability</b>	The dashboard will be more effective for customers to utilise because it will be dependable and operate well regularly. Additionally, it delivers a precise and efficient outcome. It is user friendly.
NFR-4	<b>Performance</b>	It swiftly analyses a patient's length of stay. It saves time because finding it will take longer for a human and The automated system improves the performance. Measuring the performance based on its efficiency and how quickly it response to the patients query.
NFR-5	<b>Availability</b>	The dashboard will be available all the time as demand of the patient will be at any time. It will available for any kind of an emergency level. And provide necessary information according to the users demand.
NFR-6	<b>Scalability</b>	It is scalable as it can run even in the lower level machine also. Which will be more efficient for the users.