

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

Date	03 October 2022
Team ID	PNT2022TMID21113
Project Name	Analytics For Hospitals' -Healthcare 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	Dataset	Proper Dataset of Patients' Details, Hospital's Details, Bed count, Infection severity, etc.. are required.
FR-2	Data Cleaning and Wrangling	The Data need to be cleaned because there are possibilities for the data to be duplicated or mislabeled in order to proceed to the next stage.
FR-3	Creating the data model	Data Analysis and the defining the relationship between those bits of data is necessary for creating the model
FR-4	Predictive Analysis	The Underlying information are analysed and predicted with the help of predictive Analysis to make a report
FR-5	Visualization	Visualization of the prediction is provides clear report to the user.
FR-6	Accuracy	The Prediction of Length of Stay (LOS) of the patients should be accurate

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The project must be easy to use. The user needs to have a good experience while working with the interface.
NFR-2	<b>Security</b>	Every user can access the website only if they possess the password. The database is secured with encryption techniques which provides high levels of security
NFR-3	<b>Reliability</b>	The project must have minimal degree of failure under normal usage and how often does the user get access to this work
NFR-4	<b>Performance</b>	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	<b>Availability</b>	The project is platform independent. It runs perfectly on almost every platform.
NFR-6	<b>Scalability</b>	The project allows multiple users to handle the data at the same time. It is highly scalable since adding features and making advancements in the website is uncomplicated.