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

Date	03 October 2022
Team ID	PNT2022TMID29138
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	User Registration	The User can have own ID to get registered in the portal or Dashboard
FR-2	Analyzing the Hospital's data	The user can analyse the data related to hospitals such as availability of beds Number of existing patients All the users can analyze through the hospital's portal
FR-3	Prediction of length of stay	After analysing the data of the particular Hospital's we can able to predict the length of stay of each and every patients in terms with their severity of diseases
FR-4	Get the user response	After the prediction of Length of stay of each patients We can improve the prediction accuracy by obtaining feedback from the users
FR-5	Monitoring user response	All the responses will then be stored in the database for future reference We can store the data and can visualize through charts like bar chart , pie chart end etc..
FR-6	Monitoring System accuracy	System should be monitored periodically to prevent errors in this way we can keep our system in robotic manner

Non functional reqirements

following are the non functional of the proposed solution

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The goals of the users are easily accomplished quickly by interactive design and less error.
NFR-2	**Security**	The dataset is accessed only by the administrators and the user's input is encrypted and it is protected.
NFR-3	**Reliability**	It works without a failure at the prediction time because of less bugs in the code it is because of using good trained data.
NFR-4	**Performance**	It supports at most 1000 patients queries at a time and after prediction is done it will be fastly communicated to the users.
NFR-5	**Availability**	The application should be available 24/7.
NFR-6	**Scalability**	The application should support all browser types and it can handle maximum users.