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

Date	2 November 2022
Team ID	PNT2022TMID02935
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	collect Dataset	Data from different sources are collected in order to get optimized result
FR-2	Data cleaning	When combining data from multiple sources there are duplicated data and hence we clean the data 1st
FR-3	Data modelling	Identify the relationship between various parameters.
FR-4	Prediction and analysis	The length of stay is predicted with the Machine learning algorithm

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	user can view and visualise the data through the interactive dashboard and predict the length of stay of patients with machine learning algorithm
NFR-2	**Security**	IBM Cognos provides better security. The dataset uploaded to the dashboard cannot be downloaded or accessed by external sources
NFR-3	**Reliability**	The dashboard and the prediction is very reliable and provide prediction with more accuracy
NFR-4	**Performance**	The length of stay of patients is predicted with more accuracy
NFR-5	**Availability**	The predicted length of stay and the visualization will be available in cognos analysis
NFR-6	**Scalability**	The software is scalable and extendable. Because it allow multiple user to handle the data at the same time