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

Date	18 October 2022
Team ID	PNT2022TMID04319
Project Name	Analytics for Hospital 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	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Operability	Using IBM Cognos Analytics the dashboard can be created and used to display the different ranges of the length of stay with respect to severity of corresponding disease.
FR-4	Accuracy	Using Different Machine Learning techniques with high accuracy the LOS can be predicted.
FR-5	Compliance	The Product is to be used within the hospital and patient's info can't be shared because it also contains some sensitive information
FR-6	Productivity	The dashboard is thought to enhance the forecasts of Length of Stay, resulting in a situation where delivering an improved solution

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The Dashboard is designed so that the user can can provide a summary of the data on Length Of Stay.Employing tools for visualisation.
NFR-2	**Security**	There must be a certain amount of general security.
NFR-3	**Reliability**	This dashboard will be dependable and constant for the users and supports the user's efficient, effective usage in a trustworthy manner.

NFR-4	**Performance**	The length of hospital stay (LOS) is a crucial metric. Regarding the utilisation of medical services utilised to evaluate the patient quality, hospital management effectiveness, and care and a functional assessment. accurate comprehension of the contributing elements to LOS and progressive Processing and monitoring advancements might make it possible.Improved control over how long patients stay in the hospital.
NFR-5	**Availability**	The dashboard will be offered to satisfy the user's needs.Demand promptly, and the dashboard will show comprehensible to the user
NFR-6	**Scalability**	Currently, we are developing a model using a local server.Which only cares for a small number of patients. To come We're going to connect to a server that can handle more quantity of patients.