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

Date	02 November 2022
Team ID	PNT2022TMID22855
Project Name	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	Registration of user to the analytics dashboard
FR-2	User Confirmation	Verification via Email
FR-3	Dashboard	Publish a dashboard on various themes and with multiple perspective and different types of data visualizations
FR-4	Dataset	A Big Data kind of Dataset is taken with thousands of patient records with personal medical, hospital attributes are considered
FR-5	Exploration	Explore existing visualizations from dashboard or story. Uncover hidden relationships and identify patterns that turn data into insights.
FR-6	Report Generator	The periodic reports of patients and Length Of Stay are to be generated

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It is very user friendly, easily administrable, and subjective satisfactory solution
NFR-2	**Security**	Features like Identity access and management, FIPS 140-2 Level 4 (the highest-level government certification) strengthen compliance management and reduce risk in today's cloud environment
NFR-3	**Reliability**	The system continues to expand its compliance posture for SaaS offerings with the availability of Type 2 reports for both SOC1 and SOC2 for IBM Cognos Analytics on Cloud

NFR-4	**Maintainability**	Back-Up: The system offers efficiency for data backup. Errors : The system will track every mistake as well as keep a log of it.
NFR-5	**Availability**	The high availability feature provides a more fail tolerant automation system. The key to this capability is an automatic failover to a secondary IBM Cognos command centre server.
NFR-6	**Scalability**	Even on loads of large volume of big data or small volume, variety and velocity of data, the system supports auto scaling.