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

Date	14 October 2022
Team ID	PNT2022TMID54247
Project Name	Analytics For Hospital Health 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	User Login	Login using the given credentials.
FR-4	Dataset	Upload the dataset to the dashboard
FR-5	Analysis	Data is pre-processed and cleaned. After cleaning the exploration process is carried out.
FR-6	Prediction	Machine learning algorithm is used for prediction.
FR-7	Visualization	Visualization of the prediction is shown in the dashboard created using IBM Cognos Analytics.
FR-8	Interoperability	Dashboard helps to share the patient's information interoperable to the hospitals in timely manner.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dashboards are created in order to display the length of stay prediction in visual manner. So, the prediction can be easily understood.
NFR-2	**Security**	The dataset uploaded to the dashboard cannot be downloaded or accessed by external sources.
NFR-3	**Reliability**	Dashboard created after the prediction process will be more reliable and shows the result clearly and effectively.
NFR-4	**Performance**	The prediction has more accuracy.
NFR-5	**Availability**	Predicted data will be available for some time after the prediction.
NFR-6	**Scalability**	This system will predict the length of stay of all kind of patients.