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

Date	13 October 2022
Team ID	PNT2022TMID35725
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 through G-Form Registration through GMail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via Message
FR-3	User Login	Login using the given credentials
FR-4	Dataset collection	Collect the required data that is the most suitable for our problem solving.
FR-5	Dataset	Uploading the dataset to the dashboard
FR-6	Analysis	Data is pre-processed and cleaned. After cleaning the exploration process is carried out
FR-7	Choosing a model	It is important to choose a model which is relevant to the task at hand.
FR-8	Training a model	Training is the most important step in machine learning. In training, we pass the prepared data to your machine learning model to find patterns and make predictions.
FR-9	Prediction	Machine learning algorithm is used for prediction
FR-10	Visualization	The hidden trends are analyzed and the final results are predicted using machine learning and AI algorithms.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Good UI equipped with dashboards are created in order to display the length of stay prediction in visual manner. The user can easily understand the prediction.
NFR-2	**Security**	The dataset cannot be altered without prior permission of the admin.
NFR-3	**Reliability**	The predictions should be more reliable and shows the result clearly and effectively with a minimal degree of failure.
NFR-4	**Performance**	The prediction should be accurate and responsive and waiting time should be short.
NFR-5	**Availability**	The predictions are platform independent and easily available to the user.
NFR-6	**Scalability**	This system will predict the length of stay of all kindof patients and project allows multiple users to add relevant features easily.