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

Team ID	PNT2022TMID25280
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	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Generation of Patient ID	Unique Patient ID has to be generated for new registered patients
FR-4	Uploading Patient Details	Upload the details of Patients
FR-5	Predict LOS	Predict the Length of Stay of each patient on case by case basis
FR-6	Generating Reports	Generates various reports of the patients
FR-7	Resource Allocation	Do Optimal Resource Allocation and Better Functioning
FR-8	Database	Maintain the Database of Patient Information and Health Data

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	-User friendly system -Easy training and learning of the desired operation in the system
NFR-2	**Security**	-Only admin can have the right to add or delete new user onto the system, and access other data -The system is hosted on Cloud-based servers, which is located away from the premises, it offers strong, multilayer security to all data exchanged, also remains protected from Cyberattacks

NFR-3	**Reliability**	-Ability to change and develop, configure and service the system -Appropriate response time when encountering an error, minimizes the number and severity of system errors -Appropriate response time to repair and update the system
NFR-4	**Performance**	-By streamlining and integrating multiple processes, system infuses much speed, agility, and efficiency -System boosts the performance and capabilities of a healthcare facility in helping to treat patients, and better functioning of Hospitals
NFR-5	**Availability**	-The proposed system will be accessible 24*7 days except maintenance and downtime activities
NFR-6	**Scalability**	-Support future increases in throughput -System will be able to handle data of 100 patient at any given point of time without affecting stability