

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

Date	03 October 2022
Team ID	PNT2022TMID23570
Project Name	Project – Analytics for Hospital's 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 patient details
FR-2	User Confirmation	Confirmation via OTP
FR-3	Login	Login via cloud storage

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Data collected from admissions and discharges is used to analyse staff efficiency and productivity during varying patient volumes. This analysis can lead to more efficient use of personnel resources while improving patient care.
NFR-2	<b>Security</b>	The cloud offers nimble disaster recovery, lower up-front costs, and easier expansion – although organizations must be extremely careful about choosing partners that understand the importance of HIPAA and other healthcare-specific compliance and security issues.
NFR-3	<b>Reliability</b>	Data Analytics can provide insight into clinical data and thus facilitate informed decision-making about the diagnosis and treatment of patients, prevention of diseases or others. Data Analytics can also improve the efficiency of healthcare organizations by realizing the data potential.
NFR-4	<b>Performance</b>	Critical medical equipment, such as MRI scanners requires preventative maintenance to ensure proper operation 24/7. Data from sensors in the machines can predict when it's time to replace critical components and prevent sudden, costly breakdowns.
NFR-5	<b>Availability</b>	The details of the patients are added and it can also predict the number of days a patient is going to stay and is also capable of tracking the disease.
NFR-6	<b>Scalability</b>	It does not affect the performance even when the no of patients count got increased during hard times like pandemic .It can even handle large amount of data.