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

Date	15 October 2022
Team ID	PNT2022TMID43179
Project Name	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	Appointments	• Recurrent appointments and scheduling available time slots on a regular basis. • Displaying the number of appointments on a given day • After the patient is signed in asking for a mobile number and ID to avoid any issues. • Generating the appointment. • Generate the bill automatically for completed appointments • Appointment Status: 1.Confirmed 2.Pending 3.Cancelled and No Reschedule 4.Cancelled and Reschedule 5.No Show f.Completed
FR-2	Clinical Care	• The admission for the patient must be examined thoroughly and patients who comes in a critical condition should be given treatment immediately. • Enhanced and improved reliability on reporting the data. • Access medication history from external sources and analyze the drugs(medicines) to be given. • Predicting the length of stay of inpatients.
FR-3	Patient Records	• A Proper record or documentations need to be maintained regarding the patients who are all consulted and detailed analysis of their health details. • The records must be easily accessible when required • Digital records are more efficient and time saving.
FR-4	Bed Requirements	• Analyzing and monitoring of beds which are required are the most important task.

FR No.		Description
		• Using flawless systems for accurately tracking the availability of beds.
FR-5	Providing insights of dataset	• Raw data collection and sharing of data systems are essential factors in hospital management. • Provide dataset without human error.
FR-6	Discharge Summary	• Unrestriced patients have complete discharge or deferred discharge. • Restricted patients have Conditional discharge or absolute discharge • They have to be mentioned in the discharge summary.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usable systems are straightforward to use by as many people as possible, both in case of either end users or administrators to view the hospital records when needed.
NFR-2	**Security**	Patient Verification: To verify the Patient by using mobile number and patient ID.
NFR-3	**Reliability**	A high reliable system has a lower risk of errors and process failures that can cause patients harm. Analyze the current trend and work accordingly to solve the problem in an efficient manner. Being software as a service, HMS is highly resilient to any technology disruptions, downtime,or crashes experienced by other technology systems.

NFR-4	**Performance**	Quick Response time:
		  Providing acknowledgement in minimal time about the patient information.
		  To ensure that the guidelines and accessibilities are followed.

NFR-5	**Availability**	Hospital management should Provide all the available facilities to the patients when it is needed. All the prescribed medicines should be easily available to the patients.
NFR-6	**Scalability**	An integrated system can be customized and are developed to control all hospital operations like patient details,appointment booking,billing,drug management,discharge.