

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

Date	03 October 2022
Team ID	PNT2022TMID14072
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
FR-2	User Confirmation	Confirmation via OTP
FR-3	Database	Every patient has some necessary data like phone number, their first and last name, personal health number, postal code, country, address, city, 'patient's ID number, Emergency call person number etc
FR-4	Report Generation	The Hospital Management System generates a report on every patient regarding various information like patients name, Phone number, bed number, the doctor's name whom it's assigned, ward name, and more. The Hospital Management system also helps in generating reports on the availability of the bed regarding information like bed numbers unoccupied or occupied, ward name, and more.
	Updating periodically	The staff in the administration section of the ward can delete the patient ID from the system when the patient checks out from the hospital. The Staff in the administration section of the ward can put the bed empty in the list of beds available.
	Volunteering staff	The Hospital Management enables the staff at the front desk to include new patients in the system.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	When computers can understand physician notation accurately and process that data accordingly, valuable decision support can be obtained.

NFR-2	Security	This process of protecting data from unauthorized access and data corruption throughout its lifecycle
NFR-3	Reliability	A highly reliable system has a lower risk of errors and process failures that can cause patients harm
NFR-4	Performance	NLP gives incredible insight into <ul style="list-style-type: none"> • understanding quality, • improving methods, and • better results for patients, • physicians to extract critical insight.
NFR-5	Availability	Available to all the inpatient, outpatient, pharmacy, and enrollment.
NFR-6	Scalability	NLP models have help leading hospitals within India and abroad, overhaul their patient and staff experience through use cases like automation of appointment booking, feedback collection, optimization of internal processes like medical coding and data assessment as well as data entry.