

Project Design Phase-II

Analytics For Hospitals' Health-Care

Team ID: PNT2022TMID04371

Solution Requirements (Functional & Non-functional)

Functional Requirements

FR No.	Functional Requirement	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through official website Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via through call Confirmation via Email Confirmation via OTP
FR-3	Generation of Patient ID	For Each patient ,unique patient ID should be generated While registering
FR-4	Uploading Patient Details	Upload the Patients records
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 ,time scheduling and Better Functioning
FR-8	Maintenance	Maintain the Database of Patient Information and Health Data

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">• User friendly system• Easy training and learning of the desired operation in the system• Easy to use

NFR-2	Security	<ul style="list-style-type: none"> • Patient data should not visible to all • Only admin can have the right to add or delete new user onto the system, and access other data • Only admins can modify the status of resources • The data should be protected from data hacking and being used for illegal purpose
NFR-3	Reliability	<ul style="list-style-type: none"> • 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
NFR-4	Performance	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The application should be available through out the day • The application should be available in any type of situation(disaster)
NFR-6	Scalability	<ul style="list-style-type: none"> • Support future increases in throughput • System will be able to handle huge number of user request
NFR-7	Integrity	<ul style="list-style-type: none"> • The data should be consistent and complete