

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

Date	14 <sup>th</sup> October 2022
Team ID	PNT2022TMID29546
Project Name	Analytics for Hospital health 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	<b>Appointments</b>	<ul style="list-style-type: none"><li>• Recurrent appointments and scheduling the available time slots in a regular basis.</li><li>• Showing the number of appointments on given day</li><li>• Generating appointment.</li></ul>
FR-2	<b>User Confirmation</b>	<ul style="list-style-type: none"><li>• Confirmation via Email</li><li>• Confirmation via Message</li></ul>
FR-3	<b>Bed requirement</b>	<ul style="list-style-type: none"><li>• Analyzing and monitoring of beds which are required are the most important task.</li><li>• Using flawless systems for accurately tracking the availability of beds.</li></ul>
FR-4	<b>Accuracy</b>	<ul style="list-style-type: none"><li>• Dashboard helps predict the patient's Health risks</li><li>• accurately based on LOS (Length of Stay).</li></ul>
FR-5	<b>Compliance</b>	<ul style="list-style-type: none"><li>• The compliance of a dashboard is like to use very</li><li>• interactively in real time by the hospitals.</li></ul>
FR-6	<b>Concise</b>	<ul style="list-style-type: none"><li>• These dashboards are clear, intuitive, and customizable</li><li>• and interactive in manner.</li></ul>

## 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	The Dashboard helps to indicate the current threat level to the Hospitals; an indication of events and incidents that have occurred; a record of authentication errors; unauthorized access
NFR-3	Reliability	This dashboard will be consistent and reliable to the users and helps the user to use in effective, efficient and reliable manner.
NFR-4	Performance	<ul style="list-style-type: none"><li>• Response time: → Providing acknowledgment in minimal time about the patient information.</li><li>• Comfortability: → To ensure that the guidelines and accessibilities are followed.</li></ul>
NFR-5	Availability	Better coordination with the hospital management to provide all its resources accessible when needed. → Accessibility of all medical facilities
NFR-6	Scalability	The layers used in the dashboard are a hosted feature layer, feature layer view, or hosted tile layer.

