

**Project Design Phase-I**  
**Proposed Solution Template**

Date	5 November 2022
Team ID	PNT2022TMID04231
Project Name	Analytics for Hospitals' Health-Care Data
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"><li>During the covid-19 pandemic, we have faced one of the difficult times of our life. Everyone seeks to survive from the great disaster.</li><li>The main objective to enhance <b>predict</b> the bed <b>availability</b> and improve efficiency in the health-care industry.</li><li>Difficult to identify patients of high LOS-risk</li><li>To solve customer issues ,certain techniques need to be adopted.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>Predictive analytics can create patient journey dashboards and disease trajectories that can lead to effective, and result driven healthcare.</li><li>Using data analytics tools to monitor patterns in data access, sharing, and utilization can give organizations an early warning when something changes</li><li>Automatic update by using daily sync of the daily database . Display the status of the bed to the hospital management.</li></ul>
3.	Novelty / Uniqueness	Healthcare data frequently resides in several locations. The Collected data should be stored in central system(like centralized storage). This

		<p>data becomes accessible and usable when it is combined into a single, central system, such as an enterprise data warehouse (EDW).</p> <p>Uniqueness of our project is that we can able to use data for different things such as which medicine is more effective and for understanding behavioural pattern of particular disease.</p>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>• effective use of resource</li> <li>• Enhanced diagnosis</li> <li>• Improved Treatment</li> <li>• enhancing the overall quality of treatment and life of patients</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• Dashboard will be created to view trends in the patient admission at various locations.</li> <li>• Better decision can be made by hospitals.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• Update the data periodically.</li> <li>• Using flawless systems for accurately tracking the available beds</li> <li>• 'Flexing' bed capacity may be achievable for short periods.</li> </ul>