

Project Design Phase-I
Proposed Solution Template

Date	13 October 2022
Team ID	PNT2022TMID28169
Project Name	Analytics For Hospital Health Care Data
Maximum Marks	2 Marks

Proposed Solution Template:

S.NO	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	<p>The goal is to enhance predict the bed availability and improve efficiency in the health-care industry.</p> <ul style="list-style-type: none">➤ Difficult to identify patients of high LOS-risk.➤ Improper bed allocation planning.➤ Poor scheduling in contagious diseases leads to the mortality.➤ Patients end up: Waiting too long for treatment Being diverted to another hospital <p>To solve customer issues ,certain techniques need to be adopted.</p>
2.	Idea / Solution description	<ul style="list-style-type: none">➤ Using data analytics tools to monitor patterns in data access, sharing, and utilization can give organizations an early warning when something changes➤ Creating the interactive dashboard to know the bed availability.➤ Automatic update by using daily sync of the daily database.➤ Display the status of the bed to the hospital management.

3.	Novelty / Uniqueness	<ul style="list-style-type: none"> ➤ Using web-based portals and advanced dashboard reporting, a flexible reporting system that measures ongoing performance and provides a real-time warning system of possible problems can be added. ➤ Responsive 24/7 Dashboard to get the bed availability and to know the high LOS risk patients. ➤ Design dashboards and build interfaces to all data bases - begin to monitor the process.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> ➤ The ultimate goal of this project is to build dashboard and data analysis of the beds . ➤ Good coordination within the hospital management. ➤ Better accessibility of beds. ➤ Improved efficiency and accuracy of health care. ➤ Increased coordination resulting in better patient transfer and better pre-planning. ➤ Designing and developing new models for better management of inventory.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ➤ Relationship have 24/7 Support, Knowledge-based updated dashboard. ➤ The components provide immediate, highly focused improvements for maximum benefit. ➤ Cost Structure expresses maintenance of then data.
6.	Scalability of the Solution	<ul style="list-style-type: none"> ➤ Update the data periodically. ➤ Using flawless systems for accurately tracking the available beds ➤ ‘Flexing’ bed capacity may be achievable for short periods.