Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID03446
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)**	The goal is to enhance **predict** the bed **availability** and improve efficiency in the health-care industry. ➢ 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 To solve customer issues ,certain techniques need to be adopted.
2.	**Idea / Solution description**	➢ 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**	➢ 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**	➢ 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)**	➢ 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**	➢ Update the data periodically. ➢ Using flawless systems for accurately tracking the available beds ➢ 'Flexing' bed capacity may be achievable for short periods.