

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID04514
Project Name	Analytics for Hospital 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">➤ The goal is to predict the bed availability for patients at risky period and improve efficiency in the health-care industry.➤ The following are the issues that are arisen because of mismanagement.<ul style="list-style-type: none">• Poor bed allocation planning.• Difficulty in categorizing patients based on LOS.• Patients may get irritated and might move on to other hospitals because of the unavailability of earliest treatment in case of contagious and serious issues.➤ To provide proper solution for these issues, certain procedures and techniques must be followed.
2.	Idea / Solution description	<ul style="list-style-type: none">➤ With the help of data analytics tools and various M-L Algorithms the data patterns are monitored, analyzed to give an information about bed availability and other facilities that are currently in avail to organizations.➤ Creating interactive dashboard to know the bed and other facilities availability.➤ Automatic update of data in database reflects in the dashboard and

		viceversa and to achieve the efficiency of management.
3.	Novelty / Uniqueness	➤ Responsive 24/7 Dashboard that provides the facilities that are in avail and to get the patients details which are categorised based on LOS using various factors.
4.	Social Impact / Customer Satisfaction	➤ This project overall manages the patients record, bed and other facilities in hospital that are in avail using a website dashboard and data analysis of bed. ➤ Increased coordination may improve efficiency and accuracy of health care.
5.	Business Model (Revenue Model)	➤ 24/7 support, The components provide immediate, highly focused improvements for maximum benefit.
6.	Scalability of the Solution	➤ Updating the data periodically. ➤ For accurate prediction of available beds the best and most suits systems are in flow.