

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

Date	19 September 2022
Team ID	PNT2022TMID43179
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"><li>• The goal is to predict the bed availability for patients at risky period and improve efficiency in the health-care industry.</li><li>• The following are the issues that are arisen because of mismanagement.<ul style="list-style-type: none"><li>• Poor bed allocation planning.</li><li>• Difficulty in categorizing patients based on LOS.</li><li>• 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.</li></ul></li><li>• To provide proper solution for these issues, certain procedures and techniques must be followed.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• 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.</li><li>• Creating interactive dashboard to know the bed and other facilities availability.</li></ul>

		<ul style="list-style-type: none"> <li>Automatic update of datas in database reflects in the dashboard and</li> </ul>
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		viceversa and to achieve the efficiency of management.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>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.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>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.</li> <li>Increased coordination may improve efficiency and accuracy of health care.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>24/7 support, The components provide immediate, highly focused improvements for maximum benefit.</li> </ul>