

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID37244
Project Name	Analytics for hospital health care data
Maximum Marks	2 Marks

Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>Using the given dataset, we plan to create various graphs and charts to highlight the insights and visualizations.</p> <ul style="list-style-type: none">• Build the following visualizations<ul style="list-style-type: none">○ Length of Stay for each case of patients.○ Stay by Patient ID using Column Chart○ Severity of illness by Patient-Id using Tree Map○ Age, Department Wise Patient using Table○ Room Availability by Pie Chart○ Dashboard Creation○ Department wise no. of admissions by Waterfall Chart
2.	Idea / Solution description	<p>The goal is to accurately predict the Length of Stay for each patient on a case-by-case basis so that the Hospitals can use this information for optimal resource allocation and better functioning. The length of stay is divided into 11 different classes ranging from 0-10 days to more than 100 days.</p>
3.	Novelty / Uniqueness	<p>Using this visualization, the doctors can now how long a patient's stay will be and the number of beds available at any given time</p>