

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID07957
Project Name	ANALYTICS FOR HOSPITALS' 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)	To predict (LOS) how long the patient will stay in the Hospital.
2.	Idea / Solution description	<ul style="list-style-type: none">Healthcare management has various use cases for using data science, patient length of stay is one critical parameter to observe and predict if one wants to improve the efficiency of the healthcare management in a hospital.This parameter helps hospitals to identify patients of high LOS-risk (patients who will stay longer) at the time of admission. Once identified, patients with high LOS risk can have their treatment plan optimized to minimize LOS and lower the chance of staff/visitor infection.

3.	Novelty / Uniqueness	In this project, we will create a dashboard that contain prediction about how long the patient will stay in the hospital.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> • Access to primary healthcare • Less casualty.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • Pharmacy companies will sell their medical products to generate more revenue. • Insurance companies will sell their health policies to needed people.
6.	Scalability of the Solution	Prior knowledge of LOS can aid in logistics such as room and bed allocation planning.