

Project Design Phase-I
Proposed Solution Template

Date	25 September 2022
Team ID	PNT2022TMID35725
Project Name	Analytics for Hospitals' Healthcare 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)	As a result of a large number of admittances in hospitals during the height of the pandemic, many hospitals were not prepared to handle such emergencies. This can be primarily attributed to improper data storage and visualization techniques.
2.	Idea / Solution description	A data analytics-based solution is proposed involving the use of appropriate data representation and visualization that will support an efficient length of stay for every patient.
3.	Novelty / Uniqueness	Data visualization techniques are to be used allowing for an interactive dashboard where hospital staff can view and analyze the data.
4.	Social Impact / Customer Satisfaction	An effective and interactive approach to the visualization and manipulation of patient data will improve efficiency and ease of use.
5.	Business Model (Revenue Model)	The use of the dashboard allows for continual updates on every patient with hospital-wide access to every patient's risk-rate so as to appropriately identify their length of stay.
6.	Scalability of the Solution	Possible expansions of this solution can be for large numbers of patients and larger hospitals with a central reserve in the form of the aforementioned dashboard where an efficient log of the patients' data is maintained along with a predicted length of stay.