

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

Date	23 September 2022
Team ID	PNT2022TMID52975
Project Name	Project – Analytics for Hospitals’ Health - Care Data

**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)	Patients with high LOS (Length of stay) need to have their treatment plan optimized to reduce the chances of spreading the infection to the staff and visitors.
2.	Idea / Solution description	Allocation of hospital resources and staff based on the LOS (Length of Stay) that has been determined using Data Analytics and Data visualisation based on the previous health records of patients.
3.	Novelty / Uniqueness	The solution makes use of the patients LOS (Length of stay), which can be classified into 11 different classes. Also relies heavily on the use of data analytics and data visualisation tools.
4.	Social Impact / Customer Satisfaction	Efficient management of patients in hospitals leading to faster treatment rates. Hospitals start growing, incorporating more specialities and treatment facilities for the patients with more LOS (Length of stay). Judicious use of resources to treat patients based on LOS.
5.	Business Model (Revenue Model)	Profitable for healthcare industries due to efficient management in treatment time.
6.	Scalability of the Solution	High Scalability. Proposed solution will help improve the workflow of the hospital management enhancing all treatment processes without hindering the daily operations .