Project Design Phase-I
Proposed Solution Template

Date	27 September 2022
Team ID	PNT2022TMID04527
Project Name	Analytics for Hospitals' Health Care Data
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Analytics for Hospitals' Health Care Data. To analyse the Length Of Stay (LOS) of patient. To have a better allocation of beds for patients.
2.	Idea / Solution description	Developing an application for Hospitals to analyse the Length Of Stay of a current patient. And allocate the bed for further patients. The length of stay can be precisely predicted using machine learning approaches.
3.	Novelty / Uniqueness	There are multiple techniques that examine a patient's length of stay. To propose machine learning approach is our main objective. Use the current, accurate prediction algorithms as well. Analyse using the patient's most recent data.
4.	Social Impact / Customer Satisfaction	The various social impacts / Customer Satisfaction are, Hospitals find it helpful to determine the length of stay and assign beds for patients in emergency situations like COVID. To overcome the challenge hospitals and patients are facing, it will be helpful.
5.	Business Model (Revenue Model)	The application is currently not profitable, however in the future, this system when sold as a business to hospitals as clients will generate huge amounts of revenue as this is a system which will help in resource allocation.
6.	Scalability of the Solution	The kind of patients who attend hospitals can vary depending on the circumstances. All hospitals can use this application in any circumstance.