

Project Design Phase-I
Proposed Solution Template

Date	6 October 2022
Team ID	PNT2022TMID14215
Project Name	Project - Analytics For Hospital 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)	During the covid-19 pandemic, we have faced one of the difficult times of our life. Everyone seeks to survive from the great disaster. At the time of pandemic, none get to know about which hospital has vacant beds(free beds) to admit themselves or others infected by covid-19. This situation made the death rate higher.
2.	Idea / Solution description	Predictive analytics can create patient journey dashboards and disease trajectories that can lead to effective, and result-driven healthcare. It improves treatment delivery, cuts costs, improve efficiencies, and so on.

3.	Novelty / Uniqueness	Healthcare data frequently resides in several locations. The Collected data should be stored in central system (like centralized storage). This data becomes accessible and usable when it is combined into a single, central system, such as an enterprise data warehouse (EDW). Uniqueness of our project is that we can able to use data for different things such as which medicine is more effective and for understanding behavioural pattern of particular disease.
4.	Social Impact / Customer Satisfaction	The application has a drug information system which accounts for the drug history of the beneficiaries. The system provides up-to-date, accurate medication profiles for improved health planning, evaluation and research. It also includes a comprehensive Drug Utilization Review (DUR) and flags potential interactions with patient's medication profile.
5.	Business Model (Revenue Model)	Providers (hospitals) can access the model/application through a subscription service. The minimum subscription period will bean year
6.	Scalability of the Solution	A variety of institutions must store, evaluate, and take action on the massive amounts of data being produced by the health care sector as it expands quickly. India is a vast, culturally varied nation with a sizable population that is increasingly able to access centralised healthcare services. .