Proposed Solution

DATE	24 September 2022
TEAM ID	PNT2022TMID42544
PROJECT NAME	Analytics for Hospital Health Care Data

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To Predict the Length of the stay for each patient on case by case basis so that the hospital can use the information for optimal resource allocation and better functioning.
2.	Idea / Solution description	The solution is to collect data such as the beneficiary's history and ailments, beneficiary's drug, and allergy history, family history, and beneficiary's demographics and predict the length of the stay by analyzing the data and build a prediction model
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 a patient's medication profile.
5.	Business Model (Revenue Model)	While using this dashboard the hospitals can easily get regular updates on the patients and this was widely applicable in all departments of the hospitals. The Hospital staff can easily login into the dashboard and view the risk rate of the patients according to the length of stay in the hospital and can give proper treatment
6.	Scalability of the Solution	Update the data periodically.Using flawless systems for accurately tracking the available beds ,'Flexing' bed capacity may be achievable for short

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