PROJECT DESIGN PHASE-I

Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID39771
Project Name	Analytics For Hospital Health-Care Data
Maximum Marks	2 Marks

PROPOSED SOLUTION

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	EHR data matched patient-reported data in 23.5 percent of records in a study at an ophthalmology practise. Patient's EHR data did not agree in any way when they reported having three or more eye health complaints.
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, improves efficiencies, and so on.
3.	Novelty/Uniqueness	Healthcare data frequently resides in several locations from various departments, such as radiology or pharmacy, to various source systems, such as EMRs or HR software. The organization as a whole contributes to the data. This data becomes accessible and usable when it is combined into a single, central system, such as an Enterprise Data Warehouse(EDW).

4.	Social Impact/Customer Satisfaction	Enhanced diagnosis Improved medical treatment Improved health results Improved relationships with patients More positive health indicators
5.	Business Model (Revenue Model)	The two factors that have the biggest negative effects on hospital income are claim denials and patient incapacity to pay their part. 90% more uncollectible claim denials were written off by hospitals and healthcare systems in 2017 compared to the preceding six years.
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 healthcare sector as it expands quickly. India is a vast, culturally varied nation with a sizable population that is increasingly able to access centralized healthcare services.