Analyticsfor HospitalHealthData

ProposedSolution

Team ID	PNT2022TMID41747
ProjectName	AnalyticsforHospitalHealthData

ProposedSolutionTemplate:

S.No.	Parameter	Description
1.	Problem Statement (Problem to besolved)	To Predict the Length of the stay for eachpatient on case by case basis so that thehospitalcanuse theinformationforoptimal resourceallocationandbetterfunctioning.
2.	Idea/Solutiondescription	Tocreateadashboardformonitoringthelength of stay of patients and also include thenecessary data which were provided by thehospitaltocreateaneffectivevirtualdashboard usingCognosanalytics.
3.	Novelty/Uniqueness	By UsingData Visualization techniques, thedashboard supports clinicians and hospitalmanagers in viewing and exploring data onprocessesandoutcomesofcareinan interactivemanner.
4.	SocialImpact/ CustomerSatisfaction	The hospitals can use this dashboard to viewtheir daily hospital records and they can updatethegiven inputsandgettheexpectedoutput effectively.
5.	Business Model(RevenueModel)	While using this dashboard the hospitals caneasily get regular updates on the patients andthis was widely applicable in all departments ofthe hospitals. The Hospital staff can easily logininto the dashboard and view the risk rate of thepatients according to the length of stay in thehospitalandcangiveproper treatment accordingto that.
6.	Scalabilityofthe Solution	Thescalabilityofthisprojectwas a. The hospitals can view the length ofstayofthe patientcasebycase basis b. The patient id, department name, otherhospital-relateddetails, etc. c. It also helped to visualize an interactivedashboardefficiently.