DATA ANALYTICS IN HOSPITAL HEALTH CARE

SUBMITTED BY:

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PROPOSED SOLUTION FOR DATA ANALYTICS IN HOSPITAL HEALTH CARE :-

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Accurate prediction of patient LOS may aid the healthcare specialists to take medical decisions and allocate medical team and resources.
2.	Idea / Solution description	Here we are Analyzing that health data has allowed for a better understanding of how to respond and treat patients. We can collect all the data we want, but it doesn't do any good if we don't know what to do with that information. We need a centralized, systematic way of collecting, storing and analyzing data. so we can use this as a framework for predicting patient LOS in advance.
3.	Novelty / Uniqueness	There is a need for an accurate LOS prediction system to estimate patient LOS in the ICU. we in advance used, a centralized, systematic way of collecting, storing and analyzing data .
4.	Social Impact / Customer Satisfaction	For predicting patient LOS, Because of its effectiveness and equity, LOS is used to evaluate the efficiency of both the medical and the financial sections .The patient and insurance companies may use this prediction to manage their budget as well.
5.	Business Model (Revenue Model)	ICU is considered one of the most resource-consuming departments in the medical sections. Most elderly ICU patients are exposed to aggressive medical procedures to keep them alive, and about 33% of them die after a prolonged LOS. Moreover, the time after discharging a prolonged LOS patient is critical as 55% of patients died within six months of being discharged . In addition, the average cost for patients who have a prolonged ICU LOS is seven times the cost of the patients who do not have a prolonged LOS . Therefore, we satisfy the need for an accurate LOS prediction system to estimate patient LOS in the ICU in advance.
6.	Scalability of the Solution	Here LOS is used to evaluate the efficiency of both the medical and the financial sections. By analyzing the health data we will fulfill the need for an accurate LOS prediction system to estimate patient LOS in the ICU in advance.