Project Design Phase-I

Analytics For Hospitals' Health-Care Data

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Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To predict length of stay for patients upon admission to a hospital
2.	Idea / Solution description	Collect the patient details from hospitals available as soon as they enter the hospital and are diagnosed. Analyse the patient's data. Create Cognos -Analytics dashboard to visualize the data of patient .
3.	Novelty / Uniqueness	The analysis results will be accurate and optimized resources will be allocated based on the result.
4.	Social Impact / Customer Satisfaction	Analysis pave the path for reductions in the length of inpatient stay, which could, in turn, have the effect of decreased risk of infection and medication side effects, improvement in the quality of treatment. Predicting patient's length of stay greatly benefits the patients and patient's families as they can have an idea of how long they can expect to stay upon being admitted.
5.	Business Model (Revenue Model)	Increased hospital profit with more efficient bed management on early prediction of Patient's stay.
6.	Scalability of the Solution	Future directions to develop a second model that would ultimately predict how much a given patient will cost to treat over the course of their stay.