

Project Design Phase-I Proposed Solution Template

Date	22 September 2022
Team ID	PNT2022TMID32341
Project Name	Project – Analytics for Hospitals Health-Care Data
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	We propose a solution to analyse the healthcare data and derive the useful insights to patient and doctor to help them , it is very necessary to keep track of patient data for future references and treatment. It is used to predict the length-of-stay for each patient at time of admission
2.	Idea / Solution description	We propose a solution to build a simple web application which takes input as patient-data and returns us output with the useful analysis with the help of the IBM Cognos analytical tool. The results will be displayed to the end user in the form of interactive dashboard, story and in report format.
3.	Novelty / Uniqueness	The innovative and additional perk to make this solution stronger and the results more reliable, we use machine learning algorithms to develop a predictive analysis model which will be used to make predictions either on the patient health-status or the necessary input data. Along with the dashboard, prediction for these results will be

		shown in the user friendly-manner.
4.	Social Impact / Customer Satisfaction	The solution can never go unnoticed, though it is new to the society, because it is in a proactive way of analysis and prediction. It will address the concern of the key stakeholders, so it will create the impact in the customer as well as the social side. It is new to the hospital environment, there has not been any kind of project are implemented in the recent years.
5.	Business Model (Revenue Model)	The take-away of this project in a business scope of manner is mean to be plenty, it can be beneficial for the users (Patients and Doctors) more intriguing way. It is in need for the community of people, where it comes to handy in day-to-day life. It is a part of the live saving analysis and insights. Doctor is used to treat the patients and keep their medical history in hands for future references.
6.	Scalability of the Solution	Scalability is the measure of the system performance against the increase or decrease in user demand. The system can handle the user request and return the results on time. It does not require much of the Graphical processor unit; it can be even run on the system with the minimum graphics or system with integrated graphics.