Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID13523
Project Name	Analytics For Hospitals Healthcare Data
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To 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 healthstatus or the necessary input data.
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.
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.
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.