Project Design Phase-I
Proposed Solution Template

Date	20 September 2022
Team ID	PNT2022TMID10309
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
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)	The goal is to accurately predict the Length of Stay for each patient on case by case basis so that the Heart diseases can use this information for optimal resource allocation and better functioning. The length of stay is divided into 11 different classes ranging from 0-10 days to more than 100 days.
2.	Idea / Solution description	Algorithms like data mining will be used to provide an optimal accuracy for the problem by extracting information from the huge set of data which will be provided to the end user as a form of data visualisation facilitated with IBM cognos analytics.
3.	Novelty / Uniqueness	The primary focus is to protect customers, or in this case, patients, by verifying information, integrating reliable sources, and transmitting data to dependable recipients.
4.	Social Impact / Customer Satisfaction	Better relations with your patients are the key to success for healthcare facilities. You can get to know your audience better by gathering data from them which can then be used to provide them with the facilities they demand according to their preferences. This, in turn, strengthens the relations between patients status and healthcare providers.
5.	Business Model (Revenue Model)	Data Analytics is the process of examining raw datasets to find trends, draw conclusions and identify the potential for improvement. Health care analytics uses current and historical data to gain insights, macro and micro, and support decision-making at both the patient and business level. The use of health data analytics allows for improvements to patient care, faster and more accurate diagnoses, preventive measures, more personalized treatment and more informed decision-making.
6.	Scalability of the Solution	The model which is framed is bound to be scalable as it is equipped with datasets which is recently framed.