**Project Design Phase-I**
**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID04303 |
| Project Name | **Project-**22328-1659849255<br>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 leading cause of death in the developed world is heart disease. Therefore, there needs to be work done to help prevent the risks of having a heart attack or stroke. |
| 2. | Idea / Solution description | The suggested solution is interactive dashboard for visualizing and forecasting cardiac ailments, where the user may see both analysis of their medical report and anticipated outcome. The dashboard will be made with IBM Cognos . The dataset is pre-processed to check missing values, noisy data and to clean the data. The dataset is explored and visualised and then machine learning model is used for prediction of heart disease. |
| 3. | Novelty / Uniqueness | Machine learning algorithms are used for fast prediction of heart disease. The uniqueness of our proposal is to convey the availabilities to the customer with maximum accuracy. |
| 4. | Social Impact / Customer Satisfaction | It assists in early illness diagnosis and often notifies the user of their current health state. The system's enhanced heart disease decision making is advantageous both user and physician. |

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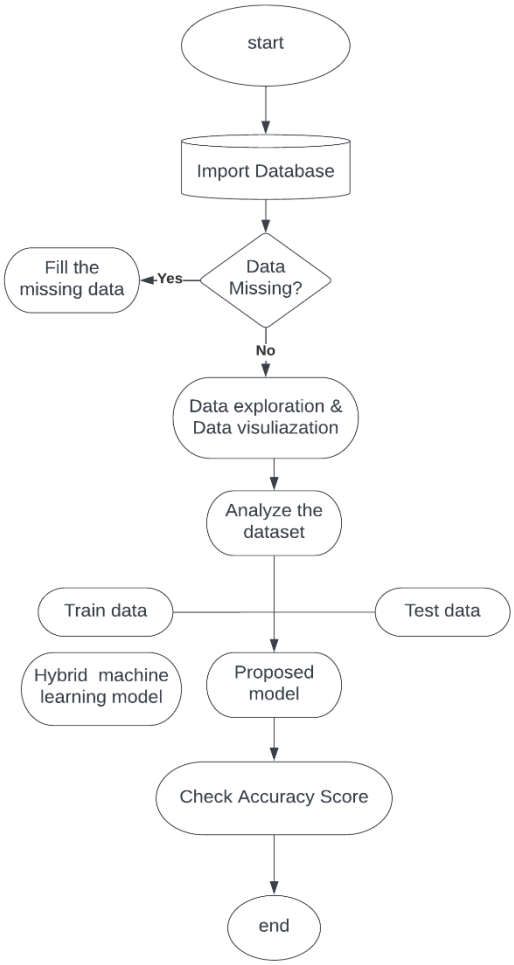
| 5. | Business Model (Revenue Model) |  |
| 6. | Scalability of the Solution | This solution works well with long and small datasets. It can also be modified to predict various other disease depending on the dataset. |