# Project Design Phase-I
# Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID14797 |
| 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 |
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| 1. | Problem Statement (Problem to be solved) | Heart disease is one of the most frequently affected diseases. It is infeasible for people to undergo tests for checking heart problems because it is expensive. The motive of this project is to make an interactive dashboard which helps people to visualise and predict diseases based on their symptoms. This dashboard should be reliable, user friendly and cost efficient. |
| 2. | Idea / Solution description | The idea or solution for the problem statement is to create an interactive dashboard which visualises and predicts the heart disease. With the help of this dashboard, user can view his/her medical report and the analysis of the report. He can also predict the result based on the reports. The dashboard is created with the help of Cognos Analytics and the algorithm behind the solution is Naïve Bayes Algorithm. |
| 3. | Novelty / Uniqueness | The novelty behind the proposed solution is to provide preventive measures to prevent heart disease. It also provides the periodical report of the user. It also stores all the report and it can be retrieved for every periodic check. |
| 4. | Social Impact / Customer Satisfaction | This proposed solution will help people to check periodically and it also reduces the cost spent for checking of disease. This is also helpful for doctors to easily predict and give solution to the users based on their problem. It can predict the disease in its earlier stage and makes the user alert about his condition. |

| 5. | Business Model (Revenue Model) | The dashboard is very interactive and is user friendly. Due to these factors, more people will be attracted to this dashboard which will make more profit when compared to hospitals. These dashboards can be usable everywhere easily. Hence the revenue will be more. |
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| 6. | Scalability of the Solution | The dashboard will work efficiently and accurately in both small scale and large scale datasets in simpler and faster way. |