**Project Design Phase-I**

**Solution Architecture**

Team ID

PNT2022TMID20641

Project Name

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Maximum Marks

4 Marks

**Solution Architecture:**

**Collection of Data:**

Gathering dataset from the sensors like smart wearable devices for heart disease prediction.

**Selection of Attributes:**

Attribute or Feature selection includes the selection of appropriate attributes for the prediction System.

**Data Pre processing:**

Data Pre processing includes Data cleansing, transformation , Integration , Reduction

**Balancing Of Data:**

Under Sampling and Over Sampling are reduced by applying filters

on data.

**Disease Prediction:**

Various machine learning algorithms like SVM, Naive Bayes, Decision Tree, Random Forest, Logistic Regression, Ada-boost, Xg-boost are used for classification.

**Solution Architecture Diagram:**