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: