Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID11458
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	4 Marks

SOLUTION ARCHITECTURE-Development Plan

STEP 01

Collection Of Data

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

STEP 02

Selection of attributes

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

STEP 03

Data pre-processing

Data Preprocessing includes Data cleansing, transformation, Integration, Reduction

STEP 04

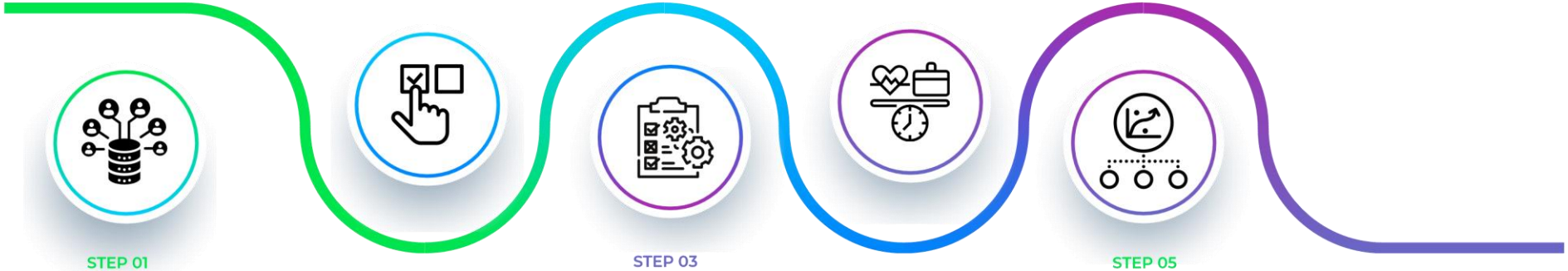
Balancing of Data

Under Sampling and Over Sampling are reduced by applying filters on data

STEP 05

Disease Prediction

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



HEART DISEASE PREDICTION