**Project Design Phase-I**

**Solution Architecture**

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| --- | --- |
| Team ID | PNT2022TMIDxxxxxx |
| Project Name |  |
| 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:**

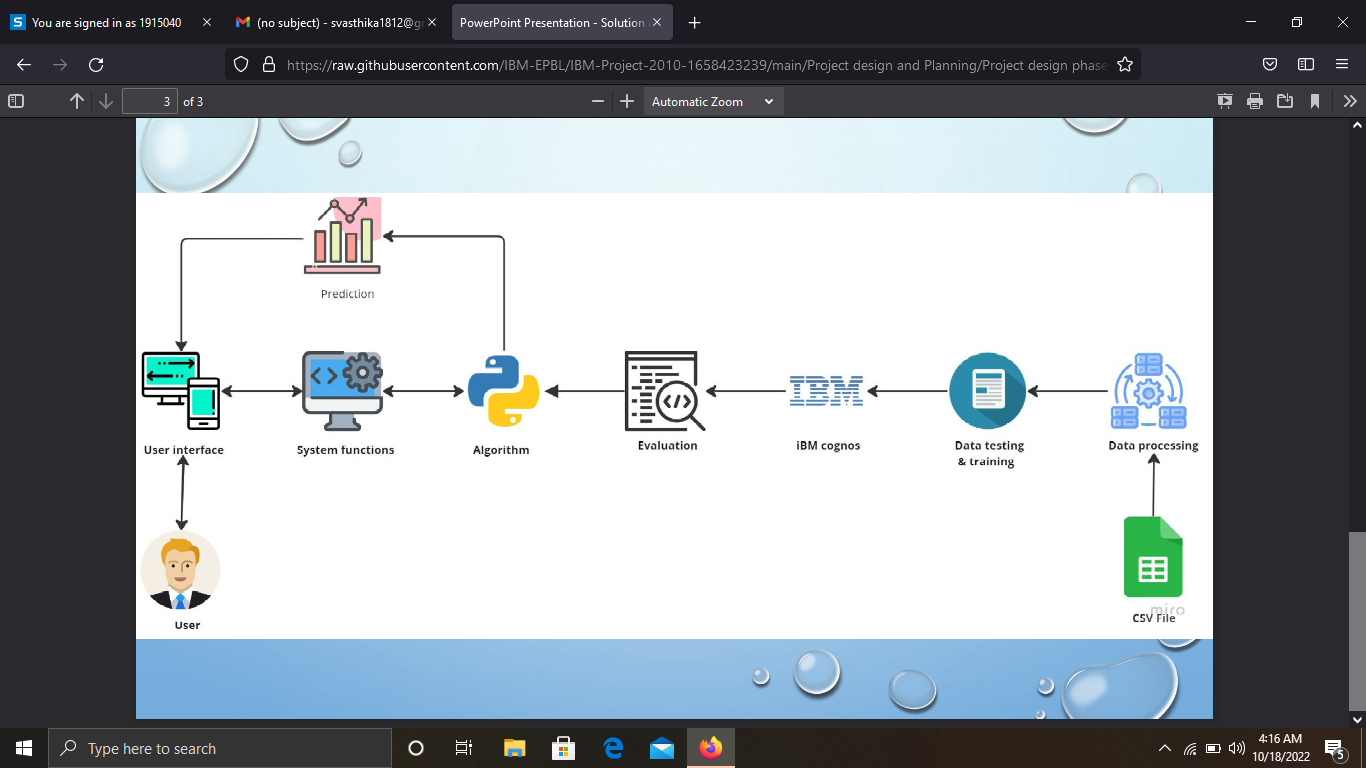
Under Sampling and Over Sampling are reduced by applying filters

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:**

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