Predicting Cardiovascular Diseases

* **Abstract**

Cardiovascular diseases are conditions that affect the structures or function of someone heart. Cardiovascular diseases are the leading cause of death globally. The early prognosis of cardiovascular diseases can aid in making decisions on lifestyle changes in high-risk patients and in turn reduce the complications.

* **Design**

to predict whether the patient has 10-year risk of future.

* **Data**

The dataset that we will be using for our prediction is taken form Kaggle. By using this dataset, we will be able to predict the number of people who will have cardiovascular diseases within ten years.

data set has 4238 rows and 15 columns.

* **Algorithm**
* Logistic regression
* **Tools**
* Pandas and NumPy packages to manipulate data.
* Matplotlib and seaborn library for visualizing data.
* Logistic regression
* Decision Tree
* KNN
* Random forst
* Jupyter notebook to execute the code.
* **Communication**

In addition to the slides and the jupyter notebook Code submitted, we will deliver a 5 minutes slide prolesentation in the final day