



**Ahmedabad
University**

CSE523 - Machine Learning

Section: 1

Heart Disease Prediction - Report

Submitted to Prof. Mehul Raval

Group name: Bias_Variance_Dilemma

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❖ Things we have done:

- Literature review for coming up with better and high accuracy algorithm:
 - **A Model to Detect Heart Disease using Machine Learning Algorithm** (by O.E Taylor).
 - The paper implemented algorithms such as KNN, SVM, Random classifier, decision tree classifier for the UCI Heart Disease Dataset. The authors have tried to achieve 98.83% accuracy in predicting the disease.
 - Studied the working and implementation of the algorithms proposed in the above paper.

❖ Things to be done:

- We will implement the coding of the studied algorithms in Python and try to achieve similar accuracy.
- Review more literature to find more algorithms and understand their working.
- In the end, we will try to deploy our model on the front-end website where the user can enter their values for the 13 parameters, and the model will detect the disease and show relevant results. This will ensure our model is widely used.