



# Daffodil International University

**Course Title:** Artificial Intelligence Lab

**Course Code:** CSE316

**Project Report:** Heart Disease Prediction

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**Motivation:** To implement knowledge about artificial intelligence and machine learning to solve real life problem like Heart Disease. Heart Disease is a big issue in our day to day life. To detect Heart Disease we developed our Ai project.

**Programming language:** Python

**Library:** Pandas, Numpy, Sklearn

**ML Algorithm:** Logistic Regression

**Tools:** Google Colab

**Details:** We have used data.csv for our dataset. The data was label data. The label was Defective Heart and Healthy Heart. The number of data was 302 in total. We splinted the data 20% for our test and 80% for our training. Then we used logistic Regression to fit the data in the machine. Then we test our accuracy score. Our accuracy score was 0.819 means 81.9% accurate. Then we check our model real life people. It is working accurately. We can use this model in many way to make our life batter.

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