Project Summary

Using data collected by the device to predict whether the person is on a verge of any heart disease. Using Algorithm like the Naïve Bayes and decision tree algorithm to predict whether a person is close to getting a heart attack.

Hardware

The hardware that we used to gather the data is a temperature sensor, pulse sensor, Arduino, EMOS D1.

Naives Bayes Algorithm

This algorithm is an underlying probabilistic model and enables us to capture uncertainty about the model in a principled manner by determining outcome. Another thing is that it is related to the Bayesian Theorem which will help us sort out equation.

Bayesian Theorem

\[ P(H|X) = \frac{P(X|H)P(H)}{P(X)} \]

Software

The Software is for the device to send data and recalibrate and display it on the website. On the website we have manage patient, Patient status and contact info. The program we use was HTML, MYSQL, SQL, CSS.