

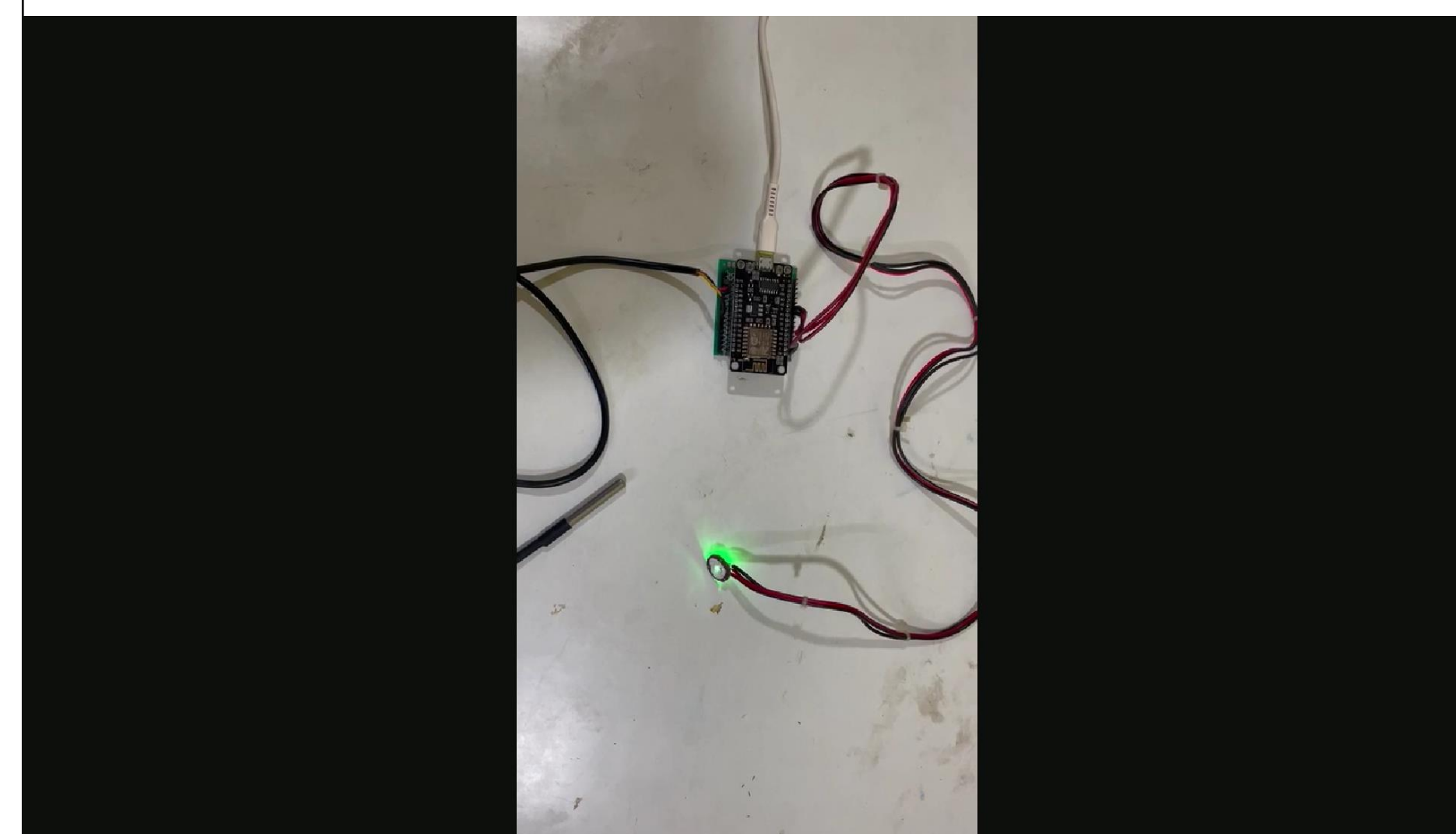


### Project Summary

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 weather 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 .



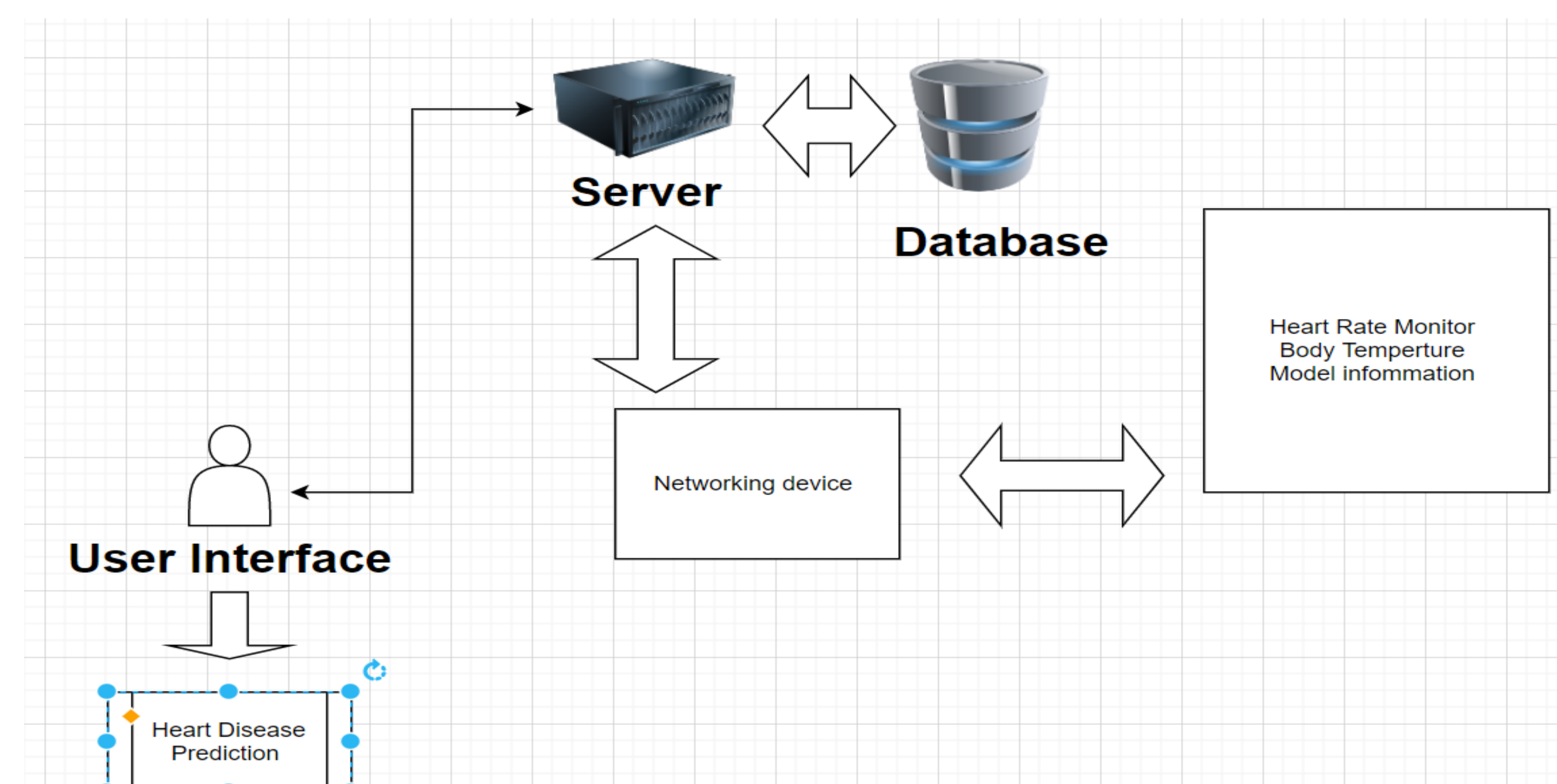
### Naives Bayes Algorithm

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 on Bayesian Theorem which will help us sort out equation

### Bayesian Theorem

$$P(H | X)=P(X | H)P(H)/P(X)$$

### Diagram



### 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.

