

CSU Bakersfield

School of Natural Sciences, Mathematics, and Engineering

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.



Manvir Saini, Harmanpreet Cheema

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



Department of Computer and Electrical Engineering and Computer Science

Decision support system for medical Diagnosis Using Data Mining





Truncate				
32	58	38	03-12-2021 06:40:37	Delete
31	60	35	03-12-2021 18:20:27	Delete
30	80	39	03-12-2021 18:18:51	Delete
29	10	9	03-12-2021 12:12:11	Delete
28	57	28	29-11-2021 13:39:13	Delete
27	63	28	29-11-2021 13:38:52	Delete
26	60	28	29-11-2021 13:38:29	Delete
25	66	28	29-11-2021 13:38:07	Delete
24	36	28	29-11-2021 13:37:45	Delete

Manage Patient Patient Status Logout

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.

ealth Monitoring

Real Time Health Status