An Internet of Things (IoT) Application for Predicting the Quantity of Future Heart Attack Patients

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Abstract

Now days the heart disease is the leading cause of death worldwide. It is a complex task to predict the heart attack for a medical practitioner since it is required more experience and knowledge. However, heart rate monitoring is the most important scale of measurement that is the influence factor for heart attack with other health fitness like blood pressure, serum cholesterol and level of blood sugar. In the era of rapid revolution of Internet of things (IoT), the sensors for monitoring heart rate are growing in availability to patients. In this paper, I explained the architecture for heart rate and other data monitoring technique and I also explained how to use a machine learning technique like kNN classification algorithm to predict the heart attack by using the collected heart rate data and other health related perimeter.

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**Index Terms**

Computer Science    Information Sciences
Keywords

Internet of Things, heart attract, machine learning, k nearest neighbour