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(57) Abstract :

Health is wealth, Health is more precious than wealth. Health Monitoring of Women is done by various means one of the feasible ways to monitor health of women by wearable T shirt. The T Shirt is used to measure the different basic health related information like Body Temperature, ECG and location of the person. The person body temperature is measured if the body temperature is < 35.0° (Hypothermia) then it is sent to the relatives and nearest hospital or doctor, if the body temperature is > 38.3° Hyperthermia (low-grade fever) then temperature is sent to doctor and relatives, if the body temperature > 41.5° Hyperpyrexia (high fever) the related information is passed to relatives and hospital. The heart beat is measured by ECG if the heart rate 55 to 108 bpm, P wave duration 84 to 130 ms, PR interval. 120 to 202 ms, QRS duration 70 to 104 ms, QT interval 314 and 438 ms, P-wave axis -18 to 810, QRS-wave axis -180 and 820, T-wave axis -8 to 730, Sokolow-Lyon index 1.60 to 4.87 mV, Cornell index 0.14 mV to 4.35 mV if the all-heart beat if cross the threshold value the notification message will be sent to nearest doctor or hospital and relatives also the location of the concerned person is sent to the relatives and nearest hospital for tracking and take necessary action accordingly. Figure related to the abstract is Fig. 5.1 and Fig. 5.2

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(54) Title of the invention : MACHINE LEARNING AND CLOUD COMPUTING BASED HEART PATIENT HEALTH STATUS MONITORING

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(57) Abstract :

Our IOT-based Smart Healthcare Solution for Predicting Severity Prognosis in Heart Patients using Machine Learning is a heart disease is the leading cause of death around the world, and predicting heart disease is a very difficult task because it requires experience along with advanced and knowledgeable knowledge. Our invention is a heart disease is a smart healthcare solution for predicting severity prognosis in heart patients using machine learning. The Internet of Things (IoT) is a technology that has been adopted in healthcare systems to collect sensor values for the purpose of heart disease diagnosis and prediction. Additionally, more researchers have focused on the diagnosis of heart disease, despite the fact that the accuracy of the diagnosis results is low. The invention is a technology that collects sensor values for the purpose of heart disease diagnosis and prediction. The goal of the newly developed Internet of Things framework is to diagnose heart disease with an accuracy of +99% by using a machine learning programming-MLP. Additionally, the smartwatch and heart monitor device that is worn by the patient monitors the patient's blood pressure and electrocardiogram (ECG). The performance of the system is evaluated by contrasting the MLP with other deep learning neural networks and with logistic regression, and the findings show that the MLP-based heart disease model performs much better than the other models.

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