

Design and construction of a patient heart rate monitoring and collection module

Khuất Thị Hoa

Abstract: In the context of modern healthcare, monitoring patients' heart rates is particularly important for early detection of abnormal signs. This project aims to design and build an automatic module system that collects heart rate data from sensor devices integrated into mobile medical devices and monitors them using IoT technology. The objective of the research is to develop a comprehensive solution to assist doctors and medical staff in effectively monitoring patient health. The method is based on a combination of theory and experimentation to ensure the accuracy and reliability of the system. The expected results of this project will significantly contribute to improving the quality of healthcare services.

Keywords: Heart rate monitoring, IoT, mobile medical devices, IoT technology, patient health monitoring