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Internet of Things technology and their application to telemedicine

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Introduction

"Internet of Things (IoT) is a system of synchronized computing devices whose purpose is to collect, process and transmit data over a wireless network without human intervention. This system includes more than modern phones, tablets, laptops and other computer equipment. A cardiac implant that tracks the heart rhythm is also part of the IoT technology, a video camera that monitors the life of wild animals, video recording cameras, and sensors calling for fastening seat belts, seismological sensors that record ground vibrations, among others. This review aim was to describe the conceptual framework of the IoT and its [illegible] temporary society."

Methodology

This review elucidates the operational mechanisms underpinning this technology and delineates its diverse applications across various domains. Emphasis was placed on exploring the burgeoning landscape of IoT in medicine. By delving into the medical applications of IoT, it described how this technology is reshaping healthcare delivery and patient outcomes.

Elicited data were analyzed and interpreted using d escriptive frequency counts and simple percentages ,and the hypotheses were subjected to correlation a nalysis as a tool test.

Discussion

" Telemedicine is probably the most interesting area of application of this system of IoT devices. The IoT is a very important component of telemedicine (the abbreviation IoMT is used to denote the Internet of Medical Things). Examples include providing remote medical diagnostics, digital transmission of medical images, conducting video consultations with specialists, etc. IoT technologies are used by different groups of people such as medical workers. Medical professionals use IoMT technologies to improve patient treatment efficiency, allowing them to provide better medical services and monitor them while treating or supporting seriously ill patients. Another group of people who use IoMT are patients. Patients who have any diseases or are simply trying to control their lifestyle also often use these devices to more conveniently maintain health. Professionals such as security officers, military, law enforcement, firefighters, drivers use IoMT as well. Medical IoT technology can be divided into different

Conclusion

IoT devices have significantly increased the efficiency of almost all areas of human activity. They made it possible to simplify and make many things in a person's life more comfortable.

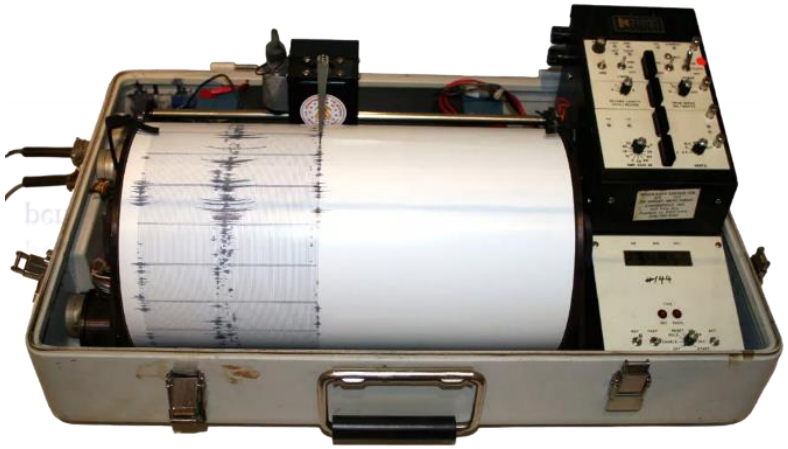

Figure 1. Forcast device

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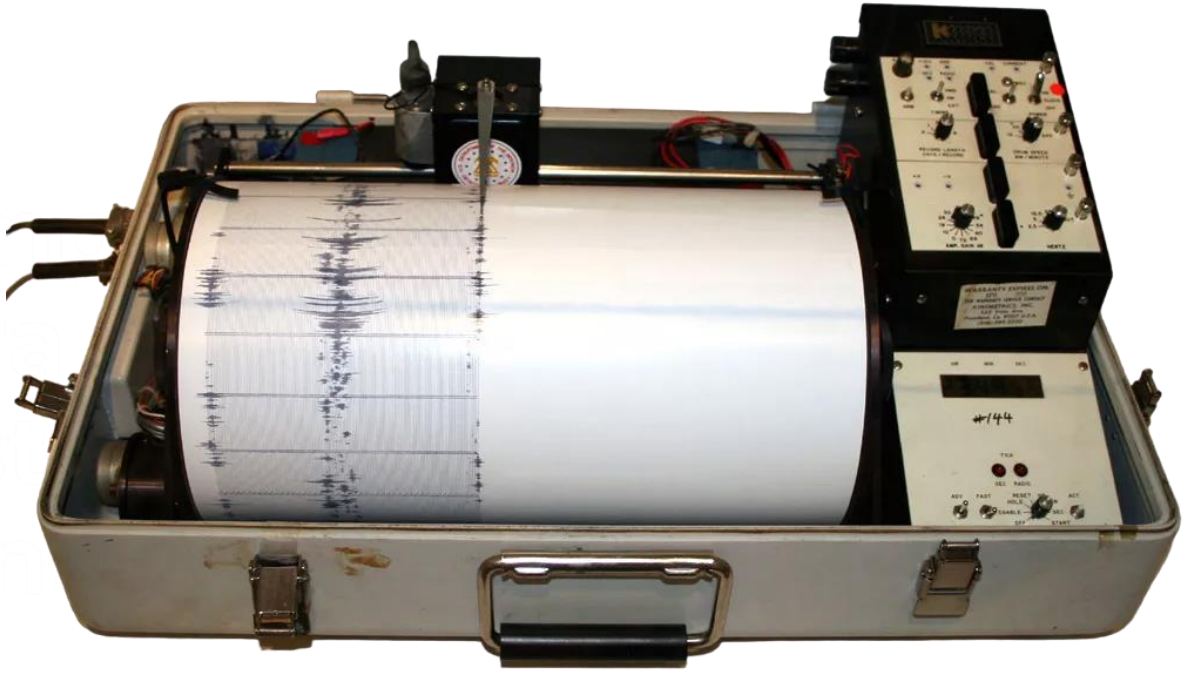
WHAT IS “INTENET OF THINGS”

Internet of Things - the concept of a data transmission network between physical objects equipped with built-in tools and technologies for interacting with each other or with the external environment

WHAT IS IT USE FOR?

- CAMERA CONTROL
- METEOROLOGICAL FORECASTS
- CALLING FOR HELP IN AN EMERGENCY
- TRACKING WILD ANIMALS
- CONDUCTING MEDICAL RESEARCH
- SENSORS IN CARS



BENEFITS OF USE

- COST REDUCTION
- EFFICIENCY
- QUALITY CONTROL
- AUTOMATION
- TRANSPARENCY

IoT IN MEDICINE

THE INTERNET OF THINGS IS USED IN MEDICINE, THEY ALLOW FOR ANALYSIS

- GLUCOSE MONITORING
- COAGULATION
- DEPRESSION TRACKING APPS
- SMART CONTACT LENSES
- SWALLOWED SENSORS

THANK YOU FOR YOUR ATTENTION!