

IOT Based Smart Healthcare System

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Abstract: IOT is an emerging technology and it is important to explore its applications. One of the sectors where IOT technology is widely used is in healthcare. Hence, the main aim of this paper is to design a IOT system which provides better facilities for patients and easy and fast diagnosis for doctors. This IOT system helps remote monitoring of patients even in the rural areas where there is no access of internet or any kind of mobile network. Following system uses LoRa based technology for transmission of readings and also web based applications such as google spreadsheet for recording the readings. This remote monitoring system (RMS) consists majorly of a sender node (SN) and a receiving node (RN) for remote diagnostics. Proposed system can show real time medical readings to patients as well as transmit these readings to doctors with the help of LoRa technology. This IOT system consists of various components such as Arduino uno R3, NodeMCU, and the work collaboratively to make this remote monitoring possible.

Keywords: Internet of things; IOT technologies; IOT applications; Remote Monitoring

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