**HEART BEAT MONITORING OVER INTERNET USING IOT**

**ABSTRACT**

The **Internet of things** (**IOT**) is the [internetworking](https://en.wikipedia.org/wiki/Internetworking) of physical devices combined with [electronics](https://en.wikipedia.org/wiki/Electronics), [software](https://en.wikipedia.org/wiki/Software), [sensors](https://en.wikipedia.org/wiki/Sensor), and [network connectivity](https://en.wikipedia.org/wiki/Internet_access) that enable these objects to collect, view and exchange data over **cloud network**. This IOT can be used in developing **biomedical field**. One of the most important factor in biomedical field is measuring the heartbeat, it requires so many procedures such as **ECG**and it needs a specific physician nearby to operate it. But with the advancement of IOT we can convert the bio signals to electrical signals and send it to the **cloud network**, so that we can access it through internet from any place across the world. Hence the main concept is to measure our heartbeat using a pulse sensor circuit and record the data and send it to the cloud network, thus the data can be accessed by physicians across any part of the world over internet and give us the best medical suggestions.

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