

IoT ECG MONITORING SYSTEM

ABSTRACT

Heart diseases are becoming a big issue for the last few decades and many people die because of certain health problems. Therefore, heart disease cannot be taken lightly. So there should be a technology that can monitor the heart rate and heart behavior of the patient regularly. By analyzing or monitoring the ECG signal at the initial stage the various heart disease can be prevented. This is the reason why I am presenting you with this great IoT project. In this project, I will show you how you can interface AD8232 ECG Sensor with NodeMCU ESP8266 Board and monitor the ECG Waveform on Serial Plotter Screen. Similarly, you can send the ECG waveform over the IoT Cloud platform and monitor the signal online from any part of the world using the PC or simply using the Smartphone.

There is no need for staying in the Hospital to monitor heart activity/behavior just because you can monitor it online from anywhere. Thus it can be said advancement in Patient Health Monitoring System. The IoT platform that I am gonna use here is blynk. blynk is an IoT Platform empowering innovators and industries to prototype and scale IoT projects to production. Use the blynk platform to send data to the cloud from any Internet-enabled device.

BLOCK DIAGRAM

