IoT based Earthquake Detector

An earthquake is hazardous natural disaster that causes harm to lives and property. It happens all of a sudden and that we cannot stop it however we will be alerted from it. In the present time, there are numerous advancements which can be utilized to identify the little shakes and knocks of the earth. In order to prevent that we can take precautions before some major vibrations takes place within the earth. Lives can be saved by giving an early cautioning of earthquake. Here we are using analogue sensor GY-61 to detect the pre-earthquake vibrations using NODEMCU ESP8266 board. It connects to Thingspeak. We can use GSM as well for message alert. If the device triggers a pre-determined threshold, microcontroller generates an SMS and alert on Thingspeak cautioning of an earthquake