**RESULTS AND DISCUSSION**

Results of our experiments show that the device, i.e. transmitter section and receiver section had been designed and the programs were burned into the NodeMCU ESP8266 microcontroller. The project is successfully tested for all the commands and it also detected all abnormalities with the help of vibration, moisture and tilt sensors. Once the anomaly is detected, the buzzer will go on. The graphs created with the collected data will help in finding how much divergence it is being taken so far and it can be used for future analysis. The results can be viewed as a graph with the help of Thingspeak.

**8.1 RESULTS**

The proposed system incorporated with the following features.

* + - Rapid and adequate action can be taken easily.
    - Accidents can be reduced.
    - Improved efficiency.
    - Security enhanced for human life.
    - Give proper information to the user.

As result the project entitled “IoT based Bridge Monitoring System” is developed for rapid action and notification in case of any problem that may occur due to the natural disasters or any construction fault. There the project is verified for all its working conditions also all modules were working accordingly. The system works as what I have been proposed in the proposed system that, while any motion is detected the light will automatically brighten itself and after light will dim itself, also current consumption details will be send to the cloud ThingSpeak, also gets real time graphical output..