**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT,PARALAKHEMUNDI**

**Industrial IoT & Automation(CUTM1017)**

**Assignemnt2**

**Last date of submission:before 2nd internal**

**Short question**

1. **1.** What is Industrial IoT.
2. Differentiate between IOT and IIOT.
3. What is the need of sensor for IIOT.
4. Mention some of the Applications of IOT.
5. What is the need of Gateway.
6. Explain some of the advantages of IOT.
7. What is the application of cloud computing in IOT?
8. Working principle of IR sensor
9. Working principle of ultra sonic sensor
10. Working principle of temperature sensor

Long question

1. What is Programmable logic controller? Draw the ladder diagram for all logic gates.
2. With neat diagram show how to interface a temperature sensor with

Arduino. Discuss the steps for capturing sensor data using Arudino/raspberry pi.

1. Write the steps with proper explanation to send captured sensor data to a

web server