

Internet of Things (IoT) Practical (PR4) – JAN 2025

- 1- Write a program to read the humidity and temperature from the DHT11 sensor and display the data on the Serial Monitor. What is the role of the DHT library in this?
- 2- Write a program to interface a servo motor and a button at pin 7. On each button press, rotate the servo motor by 45 degrees incrementally until it completes a 180-degree rotation. After reaching 180 degrees, reset it to 0 degrees on the next press.
- 3- Write a program to interface a gas sensor (MQ-2) and a buzzer. The buzzer should sound an alarm if the gas concentration exceeds a threshold value. Display the gas concentration on the serial monitor.

