**BITS – IoT Laboratory**

1. Select any one development and Control LED using NODE MCU.
2. Read data from sensor, Experiment with analogue and digital sensors.
3. Control any two actuators connected to the development board using Bluetooth.
4. Read data from sensor and send it to a requesting client.
5. Create any cloud platform account, explore IoT services and register a thing on the platform.
6. Push data to cloud
7. Control an actuator through cloud
8. Accesses the data pushed from sensor to cloud and apply any data analytics or visualization services.
9. Create a mobile app to control an actuator
10. Design an IoT based air pollution monitoring system.
11. Design an IoT based system to monitor physical and chemical properties of the water and display the measured value.