

## **Guidelines for conducting the IOT experiments in 18SCNL16 / 18SCSL16**

### List of Experiments in IOT LABORATORY WORK

1. Transmit a string using UART
2. Point-to-Point communication of two Motes over the radio frequency.
3. Multi-point to single point communication of Motes over the radio frequency.LAN (Sub-netting).
4. I2C protocol study
5. Reading Temperature and Relative Humidity value from the sensor

### One possible Firmware and Hardware Platforms

1. Arduino UNO
2. Arduino IDE
3. Wireless Communication modules
4. Temperature and humidity sensor modules
5. LCD display

Note: Raspberry Pi board / Beaglebone black can also be used. In these cases we need not have IDE.