KME-553 Internet of Things Lab

Design, Developed and implement following using Arduino/Raspberry Pi and Arduino Integrated Development Environment (IDE) platform.

LIST OF EXPERIMENTS

1. Familiarization with concept of iot, arduino/raspberry pi and perform necessary software installation
2. To interface motor using relay with arduino and write a program to turn on/off motor
3. To interface sensor with arduino and write a program to display sensor data on the computer
4. To interface led with arduino and write a program to turn them on/off.
5. To interface lcd with arduino and write a program to display any text on it.
6. To interface oled with arduino and write a program to display sensor data on it
7. To interface sensor with arduino and write a program to turn on/off relay when sensor data is detected
8. To interface bluetooth with arduino and write a program to turn led on/off when message is received from smart phone using bluetooth

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LIST OF EQUIPMENT

Sl No	Items
1	IOT TRAINING KIT -10Nos
2	A to B Cable-10Nos
3	Charger-10Nos
4	Servo Motor-10Nos
5	Card Reader-10Nos
6	DC Motor-10Nos
7	Stepper Motor-10Nos
8	Cable-10Nos