MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

Department of Electronics and Communication Engineering

TRAINING MODULE: Internet of Things (IoT)

Introduction to Arduino
Sensor Interfacing with Arduino
Programming Basics of Arduino
IoT Fundamentals
IoT Protocols
ESP8266 WiFi Fundamentals
Device Control over Internet
Uploading real time data on website for graphical display
Introduction to PHP and its Programming fundamentals
Local Server XAMPP
Configuring Database using MySQL
Introduction to Node MCU Board
IoT application development using Node MCU board
Raspberry Pi: An overview
Programming Raspberry Pi to control LEDs
Sensor and Push button Interfacing with Raspberry Pi
IoT application development using Raspberry Pi
Live Projects

Benefits for the participants-

1. Live exposure of designing IoT based application
2. Hands on session on Hardware Design
3. Getting a chance to work with Industrial experts
4. Certification for the workshop
5. Learn database handling and server side programming