

# Advance Wireless Sensor Networking Trainer System

ATM WL 001

## Introduction

- SENSEnots WSN Sensation TechLAB Radio Module with integrated antenna - 15 No's TL Sensor Module (temp & light) - 10 No's Gateway Module with USB Cable - 05 No's Extender - 1 No's Associated Software Tool chain - 1 No's

## Software

- The system must be supplied with GUI software for WSN Programming and analysis with following features **Programmable Coordinator & gateway** Coordinator & Gateway the coordinators must be designed around advance processors and must act as gateway with other wireless connectivity etc. Microcontroller based Gateway Supporting various Network Topology with RF data rate 250 kbps/80kbps. On Board USB Communication for PC Data transfer
- Facility for switch selection for radio configuration with / without processors
- On Board Power supply (5V, 3.3V) with rechargeable battery backup



## Intelligent End Device

- On Board Configuration facility with USB
- End Devices to connect with sensor in range 0 to 3.3 V analog or digital
- On Board Power supply (5V, 3.3V)
- Field deployable ready to use
- USB Powered/ Battery for zigbee
- In Build features of Zigbee for 2.4GHz:
- Supporting various Network Topology with RF data rate 250kbps
- With software selectable Data rate, with input / output range 10-100\*meter.
- 4 Channel 10 bit internal A/D, 8 Digital Input / Output

## Sensors

- The system must be supplied with various sensors compatible with the nodes and can be interfaced externally



# AdvanceTech

