K L E F

DEPARTMENT OF ELECTRONICS & COMPUTER ENGINEERING

C-DAC-EXCELLENCE CENTER

INTERNET OF THINGS LAB

KL UNIVERSITY in collaboration with CENTRE FOR DEVELEOPMENT OF ADVANCED COMPUTING (CDAC) –BANGLORE have set up an 'Excellence Centre -Internet of Things' (IoT) for taking up research activities which enables the researchers and students to explore different aspects useful to the society and develop applications related to smart cities in IoT field.

Dr.L.S.S.Reddy,Vice-Chacellor,K L University inaugurating the C-DAC Excellence Centre

Inaugurating the IOT lab, Vice Chancellor Dr.L.S.S.Reddy said that Internet of things is the latest cutting edge technology and is expecting to play a major role in the lives of human beings. Dr.A.S.R Murthy, Professor said IOT lab will be used for learning, research and hands-on experimentation o discover and demonstrate the promise of the Internet of Things. Dr.K.Rama Krishna,Registrar (I/C) emphasized the need to promote innovation among students using cutting edge technologies. Dr.K.Raghava Rao, Head, Department of Electronics & Computer Engineering highlighted the prominence of market opportunities and potential applications of IoT. Dr.V.Srikanth,HOD-CSE, Faculty and students of ECM department attend

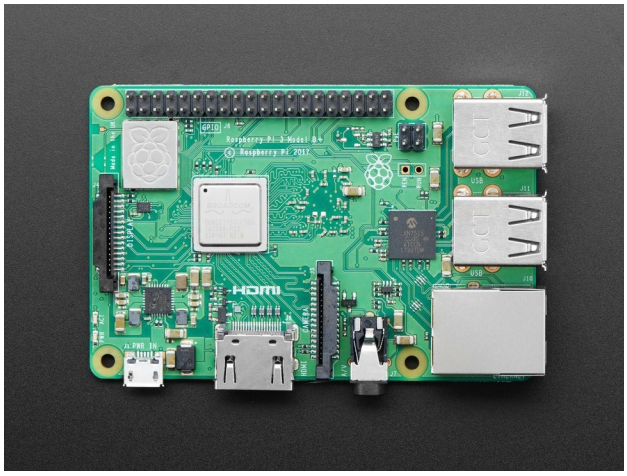
CDAC-Bangalore has provided “Wireless Sensor Network Development Kits (WSNDK)” to enable the researchers and students to explore different aspects and develop different applications in the field of WSN.

Constituents of WSNDK

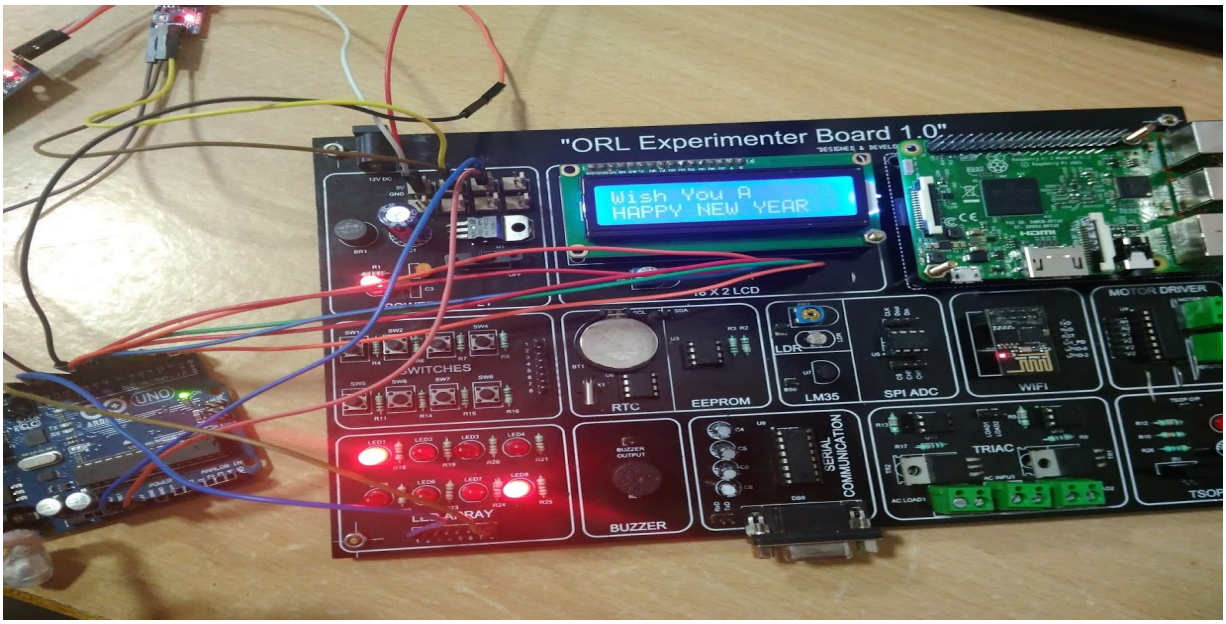
- a. WIGZ Wireless IP Network Gateway for Zigbee
- b. C-Mote Wireless Sensor Node Compliant to IEEE 802.15.4
- c. UbiSense Sensor Board
- d. Ubi-DAC I/O Expansion Card

WSNDK Kit

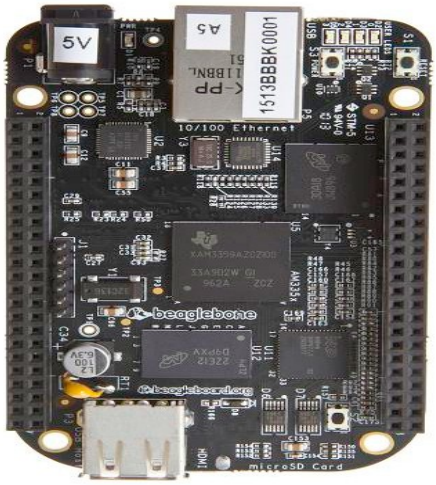
Faculty were given training on how to use the WSNDK kits by Mr .Mahesh Rao, Project Associate, IOT, CDAC, Bangalore and Mr .Hari Krishna ,Project Engineer ,IOT , CDAC ,Bangalore.



Raspberry Pi 3

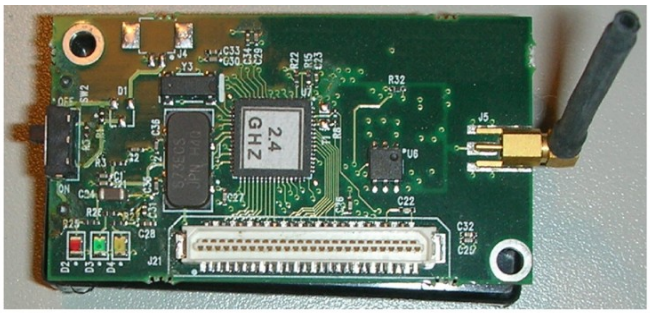


ORAL Experimental board



Beagle bone

MSP 430



C-Mote Wireless Sensor Node Compliant to IEEE 802.15.4

Faculty participation in the training