



## Expert Lecture Series on Embedded System using Arduino

Organized by: College of AIT, AAU, Anand

27 - 28 March, 2018

The UG curriculum of College of AIT, AAU, Anand includes subjects such as *Basic Instrumentation and Their Application in Automation* and *Advanced Automation and Sensor Technology*. We are looking forward to introduce innovative practices of automation and information by means of recent technology in the sparsely charted agriculture and allied sectors to bridge the gap between the skills of the technocrat and the farmer. Embedded systems are most used and versatile mean of Automation which can be extensively used in Agricultural field.

Keeping this in the view, College of AIT organized 2-days Expert Lecture Series on Embedded System using Arduino including IoT.

The training sessions include following topics and “hands-on” sessions on Arduino board.

- Exposure to basic embedded systems and recent trends
- Introduction to Microcontrollers, Arduino Hardware & Software
- Arduino interfacing with various sensors
- Arduino programming
- Brief Introduction of Internet of Things
- Introduction to sensor interfacing with Arduino
- Sample code for Taking data from sensor and putting on cloud
- Detailed Introduction to IoT
- Implementation of different LED Patterns on Arduino
- LED Blinking using Arduino

The 2-days expert lecture series was conducted by Industrial Experts working in this field and were co-ordinated by Dr. B. A. Amin, Assistant Professor (Physics) of this college. Along with 60 students of 6<sup>th</sup> and 4<sup>th</sup> Semester (UG) of AIT College, seven UG students of College of FPT & BE have also taken benefit of the said Expert Lecture Series.

### GLIMPSES OF THE EXPERT LECTURES



