

ABOUT THE COLLEGE

Anand Institute of Higher Technology (AIHT) was established in the year 2000, is one of the premier self-financing institutions run by the Kalasalingam and Anandam Ammal Trust. AIHT will accelerate efforts for improvement of the quality and research. It nurtures the minds of students by comports seminars, workshops and disposing various guest lecture from the renowned universities to maneuver for higher studies and throw clear light to fulfill their educational needs. The Employability and Entrepreneurship team are dedicated to provide enhanced access for students by conducting on-campus recruitments, placement training with the collaboration of corporate companies.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the academic year 2000-01 and is accredited by the National Board of Accreditation. The department offers B.E. course with an intake of 120 and two M.E. courses on Communication Systems and VLSI Design with an intake of 18 in each. The department is equipped with sophisticated laboratories. Keeping up with the pace of technology, the students are given the needed exposure to compete with the emerging trends in the industry. The dedication of faculty and the keen interest exhibited by the students have made it possible to achieve good results.

Two Days Workshop

on

IOT AND EMBEDDED SYSTEM DESIGN

14th & 15th DECEMBER 2017

Organized by

**DEPARTMENT OF ELECTRONICS &
COMMUNICATION ENGINEERING**

in association with

Texas Instruments & Digital Shark Technology



**Anand Institute of Higher Technology
(Accredited by NBA)**

**Kalasalingam Nagar, IT highway,
Kazhipattur, Chennai - 603103.**

Phone: 044 – 27471330

www.aiht.ac.in

Venue

Embedded Lab, Department of ECE

ORGANIZING COMMITTEE

CHIEF PATRONS:

Dr.K.Sridharan, Chairman
Dr.Mrs.S.Arivalagi, Secretary

PATRON:

Dr. Shasi Anand Sridharan, CEO
Mr.Arjun Sridharan, Director

CO PATRON:

Dr.L.Nalini Joseph, Principal

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ABOUT THE WORKSHOP

IoT is simply the network of interconnected things/devices which are embedded with sensors, software, network connectivity and necessary electronics that enables them to collect and exchange data making them responsive. More than a concept Internet of Things is essentially an architectural framework which allows integration and data exchange between the physical world and computer systems over existing network infrastructure. As IoT devices need no separate communication than the existing one building IoT is very cheap and highly achievable. This workshop will certainly help students to capture a deeper understanding in the area of Internet of Things (IOT) and Embedded System Design. Also this workshop provides an excellent opportunity to exchange ideas on the topic of importance along with thought provoking hands on training sessions.

TARGET AUDIENCE

All UG students from AIHT and various engineering colleges who are doing projects in the area of IOT and Embedded systems.

RESOURCE PERSONS

Experts from industry with strong technical and practical background.

TOPICS TO BE COVERED

Day 1:-

- Introduction to ARM Boards and features of ARM.
- Introduction to Tiva C series Launchpad.
- Interfacing Potentiometer with TIVA GPIO.
- PWM generation.
- PWM based Speed Control of DC Motor using Potentiometer.
- UART - ECHO!
- Setting Up CC3100 as a HTTP Server.

Day 2:-

- Theory & Hands-On Session on TIVA boards. using Energia software/ code composer tudio6.1
- Theory & Hands-On Session on IOT TIVA and wifi cc3100 boards using Energia software/code composer studio6.1.
- Application Areas for the Internet of Things.
- Cloud Solutions supporting TI solutions.
- Challenges in the Internet of Things.
- Hands-On using WIFI boards (TIVA and CC3100) through Energia.
- Creating a simple HTML web server using MSP430 Launch Pad & CC3100 WiFi Booster Pack.

Registration Fees

UG students from AIHT :-Rs.200
UG students from other colleges :-Rs.300

Last Date for Registration :-06.12.2017

REGISTRATION DETAILS

Anand Institute of Higher Technology
Kalasalingam Nagar, IT highway,
Kazhipattur, Chennai - 603103

Two Days Workshop on IOT & Embedded System Design

14th & 15th December, 2017

Registration Form

Name :
Year/Sec :
Department :
Institution :
E-mail id :
Contact No. :

Students are requested to send the filled registration forms to sivasankars.ece@aiht.ac.in on or before 06.12.2017. Confirmation for participants and details regarding payment of registration fees will be intimated on 07.12.2017 through e-mail.

Place:

Date:

Signature