

**Two Days Faculty Development  
Programme**

**On**

**TI Analog System Design by Using  
ASLK Pro**

**May 20-21, 2015**

**Registration Form**

Name :

Designation :

Organization :

Address :

Mobile :

E-mail :

**DD Particulars:**

DD No.:

Date:

Amount:

Bank Name & Branch:

Signature

Signature of the  
Sponsoring Authority

**Chief Patron:**

**'Kalvi Vallal' Thiru. T. Kalasalingam**  
Founder Chairman (Late)

**Patrons:**

**'Ilayavallal' Shri. K. Sridharan**  
Secretary

**Dr. S. Arivalagi, MBBS**  
Director (A&A)

**Organizing Chairman:**

**Dr. T.A. Raghavendiran, Ph.D.**  
Principal

**Technical Advisor:**

**Dr.S.Meenakshi Sundaram Ph.D**  
Former Professor, IIT(M)

**Co-ordinator:**

**Dr.S.Solai Manohar, Ph.D**  
Professor & Head, Dept. of EIE

**Co – coordinator:**

**Mr.S.D.Devagar**  
Assistant Professor/E&I

**Contact Us:**

**The Co-ordinator**  
TI-ASD Programme  
Department of E&I,

Anand Institute of Higher Technology  
Kazipattur, Chennai – 603 103.

**E-Mail: solaimanohars.eie@aiht.ac.in**

**Texas Instruments (India)  
Sponsored**

**Two Days  
Faculty Development  
Programme**

**On**

**TI Analog System Design by  
Using ASLK Pro**

**May 20 – 21, 2015**

**Organised by**



**Department of Electronics &  
Instrumentation Engineering  
Anand Institute of Higher  
Technology**

**In Association with**

**STARCOM**



TI university program

### **About 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. There are 7 U.G and 8 P.G programmes offered at our institution. This institute mainly focuses on service to rural community by enriching technical skills among the students. The institute was recognized as a Host-Institute for Business Incubation by Government of India, to encourage young professionals to become entrepreneur. Over 1 crore worth research grant have been received from various technical bodies like AICTE, DRDO, DST and few.

### **About the Department:**

The Department of Electronics & Instrumentation Engineering was started in the year 2005 with an annual intake of 60 and increased its student's intake to 120 in the year 2009. The department was accredited by NBA and has highly qualified and experienced faculty specialized in diversified areas of Instrumentation Engineering. The department has National Instruments LabVIEW Academy and invested worth 55 Lakhs and has collaboration with professional bodies like ISA and ISOI. The department also carries out Industrial consultancy projects and received Best Graphical System Design Award from National Instruments during the year 2011 and 2012.

### **About TI India University program**

Texas Instruments widely known as TI, is a multinational semiconductor company headquartered in Dallas, Texas United States. TI is a leading manufacturer of semiconductor products such embedded processors (microprocessors, DSP, microcontrollers), analog circuits, wireless chip sets, and digital light processing chips. TI has a University Program which aims to bring the most advanced technology of the engineering industry to universities worldwide. TI India university program supports Indian universities for lab set-ups, IC samples, teaching materials, events, train-the-trainer programs, etc.

### **About the FDP**

In this workshop, the intention is to expose Faculty Members to the concepts of Analog System Design using Texas Instruments Analog System Lab Kit (ASLK) which enables the participant to design an analog system independently and think of Analog Signal Processing in terms System design rather than the conventional Circuit Design. We look forward for the participation from all Circuit Based Engineering Disciplines as it would cater to all and introduce new innovative and interesting methods of teaching and learning subjects like Analog Communication, Linear Integrated Circuits, Power Electronics and Drives, Process Control and many other subjects

### **Topics to be covered:**

- Analog System Design: Why, What, and How
- Application of Negative feedback system in designing Amplifiers
- Design of Amplifier using ASLKv2010 by interfacing different types of sensors
- Applications of Analog Multiplier
- Application of Positive feedback in designing oscillators
- Design of regenerative feedback used in all ON-OFF Control systems such as temperature controllers, PWM and class-D Amplifiers
- Design light/Voltage to frequency converter
- Design FSK and PLL

### **Target Audience :**

Faculty members who teach Linear Integrated circuits, control system power electronics and other related subjects were preferred to attend this programme.

### **Resource Persons:**

Experts from Texas Instruments and their academic partners will deliver the lecture.

### **Registration:**

Last Date for Registration: 16/05/15

Registration Fees: **Rs. 400 /- per person**

The DD should be taken in favour of **“The Principal, Anand Institute of Higher Technology”** payable at Chennai.

Selection intimation will be done through E-Mail only.