**Two day Workshop on**

**ANALOG SYSTEM DESIGN USING TI ANALOG SYSTEM LAB KIT**

**6th & 7th NOVEMBER 2014**

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**CATEGORY**
- Student
- Faculty member
- Industry delegate

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**ORGANIZING COMMITTEE**

**Chief Patron:**
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Vice Chancellor  
Anna University  
Chennai-600 025

**Patron:**
Dr. S. Ganesan  
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**Coordinator:**
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Associate Professor / Dept. of ECE  
Anna University Regional Centre, Coimbatore  
Coimbatore-641 047

**Co-Coordinator:**
Mr. S. Saravanakumar AP/ECE/AURCCBE

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**ORGANISED BY**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

in association with

**Cranes Software International Limited**
**TI India University Program**

**ANNA UNIVERSITY REGIONAL CENTRE, COIMBATORE**
Mettupalayam Road, Coimbatore

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**FOR ANY QUERIES AND TO SEND COMPLETED REGISTRATION FORMS:**

**Dr. V. R. Vijaykumar**  
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Anna University was established on 4th September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. Anna University is of the affiliated type and is a member of the Association of Indian Universities, the Association of Commonwealth Universities and Partner of UNESCO International Center for Engineering Education (UICCE).

With proven capabilities both in academic and research areas, Anna University was able to impart quality and excellence in Technical Education. Anna University has four regional centres at Coimbatore, Madurai, Tiruchirapalli and Tirunelveli to sphere head the academic activities throughout the state.

The Anna University, Regional Center, Coimbatore is functioning at Mettupalayam Road, Jothipuram, Coimbatore. It has nine PG departments and it offers twenty one PG Programmes. The Department of Electronics and Communication Engineering was established in the year 2007. The Department offers M.E degree courses in Applied Electronics, Communication Systems, Embedded System Technologies and VLSI Design both full time and part time mode. The Department is equipped with excellent infrastructure and state-of-the-art equipment to explore the technological challenges in the areas of Electronics, Communication Networks, VLSI Design, Signal Processing, ASIC Design, RF Design and Digital System Design.

The intention of this training program is that to expose Faculty Members and PG students 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. This training program will introduce new innovative and interesting methods of teaching and learning subjects like Analog Communication, Signal Processing, Linear Integrated Circuits, Power Electronics and Drives, Process control and many others.

- Analog System Design
- Application of Negative feedback system in designing Amplifiers
- Analog Multiplier IC MPY634
- DC-DC Converter
- Understand Integrator or Differentiators as a basic building block for building Active filters
- Simulation using TINA TI EDA tool
- Simulation of Universal Active filters using second order linear differential equation
- Application of Positive feedback in designing oscillators
- Applications of VCO
- Design of FSK and PLL using ASLK
- Design contest

Faculty members, UG & PG students from Engineering Colleges and Industry delegates.

Experts from Texas Instruments and Cranes Software International Ltd.

Registration for the seminar can be done using the attached form or photo copy of the form. The completed form could be sent by post to the Coordinator. The Registration is restricted to first 40 participants only. For spot registration contact the coordinator.

DD should be drawn in favour of "COORDINATOR ECE" Payable at Coimbatore, Tamil Nadu, India

Last Date of Registration: 3rd NOVEMBER 2014