

INTRODUCTION

This programme is targeted to Electronic, Electrical, and Mechatronic Engineers with some knowledge on Digital Signal Processing Concepts and Microprocessors. This course is based on the Texas Instruments' TMS320C6713 processor and its implementation using Code Composer Studio (CCS).

This programme provides emphasis on programming aspects of TMS320C6713 processor using CCS. Thus it offers various lab experiments to implement several DSP algorithms using C and Assembly Language Programming.

LEARN THE FOLLOWING:

- CPU architecture of TMS320C6713
- Code Composer Studio (IDE)
- Implementing DSP algorithms on the CCS using C, ASM and mixed X and ASM programming
- Implementation using DSP BIOS
- Peripheral Controllers of TMS320C6713

LAB TASKS:

- Sine generation using interrupts and polling
- IIR and FIR Filters
- Linear Assembly Language Programming
- C calling ASM, C calling Linear ASM,
- Dot Product using Parallel Instructions
- Fixed Point C implementations
- FIR implementation using Double-Word wide data



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Nizam Institute of Engineering & Technology

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TEQIP-II SPONSORED SHORT TERM TRAINING PROGRAMME

On

DIGITAL SIGNAL PROCESSING
28th - 30th March 2016.



Organized by

Department of Electronics and Communication
Engineering

**NIZAM INSTITUTE OF ENGINEERING
AND TECHNOLOGY**

Under TEQIP-II

(Approved by AICTE, Affiliated to JNTU Hyderabad)
Deshmukhi, Near Romoji Film City Hyderabad
Telangana – 508284

ABOUT NIET

Nizam Institute of Engineering and Technology, a modern temple of learning, is an offshoot of the UMMUL QURA educational Society, this was established in the year 2001. Approved by AICTE, affiliated to JNTUH. B.Tech courses in 5 disciplines and M.Tech courses in 6 disciplines are offered.

ABOUT THE DEPARTMENT

Established in the year 2002, the department has B.Tech degree in ECE with present intake of 60 and M.Tech in VLSI System Design and Digital Systems & Computer Electronics with an intake of 18 each. It has sophisticated infrastructure, state-of-art labs and experienced faculty. The department is keen in academic exposure of the students to the latest domain trends by conducting a series of seminars, conferences, guest lectures, faculty development programs, industrial tours and visits, etc.

RESOURCE PERSONS

Eminent speakers from various backgrounds will address the participants during the programme.

- 1) Mr. Madhusudhana Rao, Director, UG Consultants, Bengaluru.
- 2) Dr. Zia Ur Rahman, Professor, KL University, Guntur.
- 3) Mr. MD Abdul Bari, CCIE, Hyderabad.
- 4) Mr. Syed Mohammed Imran, Site Manager, L&T, Hyderabad.
- 5) Mrs. Asiya Sultana, HOD, ECE, BITS, Warangal.
- 6) Mr. Karthik Kumar, Assistant Prof, BITS, Warangal.
- 7) Mr. Radha Krishna, Assistant Professor, BITS, Warangal.

WHO CAN PARTICIPATE?

Faculty members, Students and research scholars from AICTE/UGC approved Universities, Colleges and Polytechnic Institutions. The total number of participants is limited to 50 only, subject to first come first serve basis.

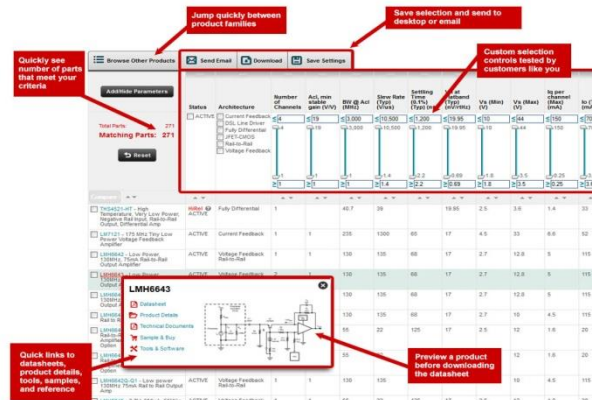
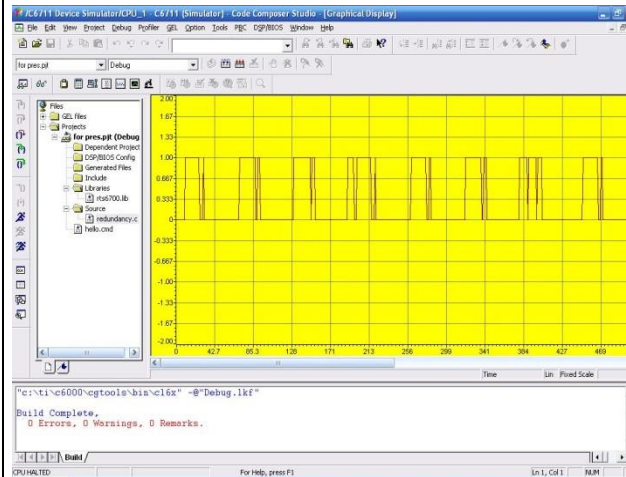
IMPORTANT DATES:

Starting of Registration	15 th March, 2016.
Last Date for Registration	26 th March, 2016.
Programme	28 th -30 th March, 2016

FEE DETAILS:

Free for NIET students.

For other college students Rs 100/-



ACCOMMODATION & TRAVELLING:

Accommodation and travelling will be borne by participants. However, travelling may be arranged for local travel from different parts of city to College will be provided by us.

REGISTRATION FORM

Name:

Designation:

Address for Correspondence:
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.....

Mobile:

Email:

Institution/Organization:

Technical Qualification:

Experience (Teaching):

Industrial:

DECLARATION BY THE CANDIDATE

I declare that the above information is correct to the best of my knowledge and that my Institute/Department has no objection, if I attend the training programme.

Date: _____ Signature of the Candidate _____

Brochure & Registration Form can also be downloaded from our Website www.nizamengineering.ac.in

Participants may also register through Email.