

**ONE WEEK WORKSHOP IN DIGITAL SIGNAL
PROCESSING AND ITS APPLICATIONS AT IGIT
ECE DEPARTMENT**

The Electronics and Communication Engineering Department, Indira Gandhi Institute of Technology is organizing a one week workshop on **“Digital Signal Processing and its applications”** during 20th – 24th June, 2011. The aim of the workshop is to strengthen the knowledge in the various DSP techniques and provide hands on experience on TMS Processor kits. A brochure giving the details of the workshop and registration form is attached. Interested candidates may apply at the earliest.

**(Prof. S.B. Jain)
HOD (ECE)
IGIT**

One week workshop

on

“DIGITAL SIGNAL PROCESSING AND ITS APPLICATIONS”

June 20 – 24, 2011



Organised by

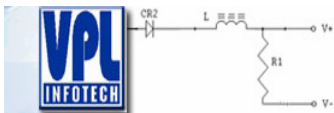
Electronics and Communication
Engineering Department

Indira Gandhi Institute of Technology

GGSIU University, Kashmere Gate

In collaboration with

VPL, Infotech & Consultants, Delhi



OBJECTIVE

- * Introduction to the fundamentals of DSP and DIP
- * Exposure to statistical and adaptive signal processing
- * Theoretical and practical illustration by examples in the areas of 1D, 2D and linear signal processing
- * To provide hands on experience on TMS Processor

COURSE CONTENT

- Convolution, Correlation, DTFT, DFT, FFT,
- Filter design- FIR and IIR
- Adaptive and statistical Signal Processing
- Real time applications in DSP, DIP
- Frequency domain and spatial domain Image Processing-Wavelet Transform
- Image compression and segmentation and de-noising
- Hands on experience on TMS Processor

RESOURCE PERSONS

- Dr. S.C. Duta Roy (IITD)
- Dr. S.D. Joshi (IITD)
- Dr. B. Kumar (BPIT)
- Dr. Asok Dey (AIT)
- Dr. Rajeev Kapoor (DTU)
- Dr. Brijesh Lal (IITD)
- Dr. Harish Parthasarthy (NSIT)
- Mr. Vijay Madan (Tata Tele services)
- Dr. S.B. Jain (IGIT)
- Mr. Akash Tayal (IGIT)
- Mr. M. Gangadharappa (IGIT)
- Dr. Dinesh Ganotra (IGIT)

ABOUT G.G.S. INDRAPRASTHA UNIVERSITY, DELHI

Guru Gobind Singh Indraprastha University, was established by Government of NCT of Delhi, under the provisions of Guru Gobind Singh Indraprastha University Act, 1998 with its Amendment in 1999. The University is recognized by University Grants Commission (UGC), India under section 12B of UGC Act. The University has been awarded the [ISO 9001:2000 Certification](#) by Standardization, Testing and Quality Certification Directorate, Department of Information Technology, Ministry of Communication and Information Technology, Government of India, for a period of three years. It has been accredited “A Grade” by NAAC.

INDIRA GANDHI INSTITUTE OF TECHNOLOGY

Indira Gandhi Institute of Technology was established by Govt. of Delhi, Department of Training and Technical Education in the year 1998 as the first women Engineering College in National Capital Territory of Delhi. It has the honor of being the first & the only constituent college of Guru Gobind Singh Indraprastha University. The college was established with the goal of imparting Technical education to the women of the country, to meet the requirements of the Indian industry in 21st century. It aims to create an entrepreneurial attitude, spirit and result-oriented motivation among budding women engineers and transform them into professionals of distinguishable standards.

IGIT offers four branches of Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Mechanical & Automation Engineering and Information Technology with an intake of 60 students in each branch. It also runs a weekend M.Tech Programme in collaboration with USIT. A regular 3-year MCA program is being started from July 2011. The ECE Department of IGIT has well equipped labs with state of art infrastructure. The Department offers expertise in the area of DSP, VLSI, COMMUNICATION systems, Microprocessor, Microwave, Mobile Computing.

PROGRAM COMMITTEE

Chief Patron

Prof. D.K. Bandopadhyay
Hon'ble Vice-Chancellor,
GGS Indraprastha University, Delhi.

Patron

Prof. Nupur Prakash
Principal, IGIT

Program Chairperson:

Prof. Shail Bala Jain
Head, Electronics and Communication Engineering
Department

Co-ordination Committee:

Prof. Ashwini Kumar (ECE)
Mr. Akash Tayal, Asst. Prof. (ECE)
Mr. M. Gangadharappa, Asst. Prof. (ECE)

Organising Committee:

Ms. Vandana Niranjani, Asst. Prof. (ECE)
Mr. B.S. Chawla, Asstt. Prof. (ECE)
Mr. Pankaj Gupta, Asstt. Prof. (ECE)
Mr. Kanchan Sharma, Asstt. Prof. (ECE)
Mr. Greeshma Arya, Asstt. Prof. (ECE)
Ms. Veepsa Bhatia, Asstt. Prof. (ECE)
Dr. Dinesh Ganotra, Asstt. Prof. (ECE)
Ms. Shobha Sharma, Asst. Prof. (ECE)

WHO SHOULD PARTICIPATE

- Researchers in Signal and Image processing
- Persons from industry
- Faculties of ECE & Electrical Engineering

DATE AND VENUE

Date: **20th – 24th June, 2011**
Venue: Seminar Hall, Electrical Block, IGIT, Kashmere Gate,
Delhi

FEES

Rs. 4000/- (Payable by DD(Delhi A/c) in favour of
("Principal, IGIT") (Non-Refundable)

The registration will be on first-come -first serve basis.

Last date for registration:

1st June, 2011

ACCOMODATION

This is a non-residential programme. The participants are
expected to make their own arrangements of stay.

CORRESPONDENCE ADDRESS

Please send the completed applications, signed by the HOD
before **1st June, 2011** along with the registration fee to:

**Prof. Shail Bala Jain,
HOD (ECE)**

Program Chairperson
Department of ECE, IGIT,
GGS Indraprastha University, Kashmere Gate,
Delhi – 110 043.

Tele: 09811544013, 011-23869872,
Email: dspworkshop@rediffmail.com

*Candidates may send an advance application through
e-mail to the program chairperson

* Selected candidates will be informed by email

REGISTRATION FORM

**Workshop
On
Digital Signal Processing and its applications**

Photo

Name: _____

Designation: _____

Organization: _____

Address: _____

Email: _____

Academic Qualification: _____

Specialization: _____

Experience: _____

Details of DD: Amount: 4000/-

DD No.: _____

Drawn on: _____

Signature of the Applicant with Date

CERTIFICATE

Dr./Mr./Ms. _____

Is permitted to attend the workshop on "DIGITAL SIGNAL
PROCESSING AND ITS APPLICATIONS"

Place: _____

Date: _____

Signature with Date and Seal of Competent Authority
(Principal/Director/Dean)

*Note: Use Photocopy of the form if required.