

Registration Form

Name :

Category : Student
Academician
Engineer / Professional

(Tick which ever is applicable)

Address :

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Email:

Phone :

Registration Fee : Rs. In words Rupees
..... only.

Demand draft number/date/name of bank

.....

Date : Signature

A platform to learn, to discuss, to meet experts, to share experience & views, find answer to questions, to have hands on MATLAB tool and to cultivate new thoughts.

Short Term Course

On

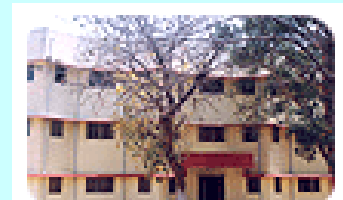
Digital Signal Processing
(Theory, Application and Practice with MATLAB)

18th – 23rd December, 2006

Coordinator

Prof. G. Panda, FNAE, FNASc.
Head, E & CE

Organised by



**Dept. of Electronics & Communication
Engineering**



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ORISSA**

Web site : www.nitrkl.ac.in

Theme

In recent years Digital Signal Processing (DSP) is being taught as a core subject to B. Tech. and M. Tech. students of Electrical Engineering, Electronics Engineering, Computer Science and Engineering and Information Technology. The DSP processors and techniques are extensively used in almost all types of industries. Many research laboratories of the country are also using the latest DSP tools and processors.

The objective of the present short term course is to impart fundamental concepts of DSP to both faculty of engineering institutions and practicing engineers. The engineering students of EE, ECE, CSE, EI and IT branches will also be immensely benefited by attending this course. The DSP being a core course of many engineering branches of BPUT, the concerned students will gain in depth knowledge on the subject. The theoretical coverage of DSP will also be supported by simulation experiments during the course.

Contents

1. Convolution and Correlation
2. DFT, FFT
3. DCT, DHT, DWT
4. FIR filter design
5. IIR filter design
6. Adaptive filtering
7. Adaptive system identification
8. Adaptive channel equalization
9. Generation of White uniform and Gaussian noise
10. LMS & RLS algorithms
11. Finite word length effects

Course Delivery

Prof. Ganapati Panda, present Head of E&CE department, who is having more than 25 years of experience in teaching and research in the field of DSP will offer the courses. The simulation experiments on DSP will be conducted by his research students. Total duration of the course is 40 hours(Theory : 25hrs. and Simulation practice : 15hrs.)



Who should apply

The course will provide excellent opportunities for
(1) Academicians from technical institutions
(2) Professional / Engineers working in the field
(3) Students (B. Tech./M. Tech./Ph. D.) of all electrical sciences

Registration

Professionals / Engineers : Rs. 10, 000/-
Academicians : Rs. 8, 000/-
Students : Rs. 6, 000/-

Number of seats for this course is limited. Fee for the course is to be paid in the form of Demand Draft in favour of “**Continuing Education, NIT Rourkela**” payable at SBI NIT Campus Branch. (Code:2109).

To register for this course, fill up the registration form and send it with the required fee to :

Prof. G. Panda
Coordinator, ST-DSP-2006
Head, Dept. of E&CE
National Institute of Technology
Rourkela – 769 008, Orissa

The registration form can also be downloaded from our college web site : www.nitrkl.ac.in

Important Dates

Last date of receipt of application : **10/12/2006**

Confirmation of selection by email : **12/12/2006**

Lodging, Boarding and Traveling

Participants are required to make their own arrangements for lodging, boarding and traveling. However, on request arrangements for accommodation and fooding can be made in the Visitor's Hostel/Boys Hostel/Ladies Hostel on payment of actual charges.

Contact Details

Prof. G. Panda
Coordinator, ST-DSP-2006 &
Head, Dept. of Electronics & Communication Engg.,
National Institute of Technology
Rourkela – 769 008, Orissa
Ph: 0661-2462455(O)/ 246 3455(R)
Cell : 9437048906
Email : ganapati.panda@gmail.com

