

REGISTRATION FORM

Short Term Course

On

“Linear and non-linear signal processing and its application on Biomedical Signal”

Under TEQIP-II

(9th–11th Sept, 2016)

1. Name:.....
2. Designation:.....
3. Organization:.....
4. Qualification:.....
5. Correspondence Address:.....
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.....
6. Telephone:.....
7. Email:.....
Registration Fee Paid herewith in the
form of Cash/Cheque/DD Amount
8. Payment Details:
Amount.....
No..... Date
Name of the Bank.....
Date: Place:

* Cheque/DD should be in favor of Director, National Institute of Technology Raipur, payable at Raipur.

*Applications can also be made using the copy of this registration form. Please return this form duly filled in by **6th Sept, 2016.**

Chief Patron

Dr. S. Tiwari, Director, NIT Raipur

Patron

Dr. S. Sanyal, Dean (R&C), NIT
Raipur

Chairman

Dr. B.K. Singh, (Head & Asst Prof,
Department Biomedical Engineering,
NIT Raipur

Organizing Committee

Faculty

Dr. Arindam Bit
Dr.Saurabh Gupta
Dr. Hawa Begum
Mrs.Kushangi Atrey
Mr. A.Manish Kumar
Mr.Sagar Yadav

Research Scholars

1. Ms. Nishi
2. Ms. Sharada Gupta

Important dates

Last date of submission of registration form:
6/9/2016

Notification of confirmation through E-mail:
7/9/2016

Note: *If the required participants are less than 10 then the course will not be conducted. Also we will refund the amount to the registered participants*

Short term course

On

Linear & non-linear signal processing and its application on Biomedical Signal

under

TEQIP-II

9th -11th, September 2016



Course Coordinators

Mrs. Neelamshobha Nirala
Dr. R. Periyasamy



Organized by

**Department of Biomedical Engineering
National Institute of Technology
Raipur-492010, Chhattisgarh**

About the programme

The event is aimed at imparting knowledge and training on the basics fundamentals of linear and non-linear signal processing and its application on Bio-Medical Engineering. Expert lectures will be delivered by faculty and scientists from academia and industry.

This programme will be beneficial to students at undergraduate level, post graduate level, research scholars and young researchers who intend to practice/begin research processing and analysis of any signals. Distinguishing features of this programme include lecture session and hands-on training of discussed topics in MATLAB and R software.

The Short term course is proposed to give an exposure to students and researcher to understand the concept of signal processing techniques and their software implementation. An entire session will be available for participants to discuss individual problems with the session experts. By the end of the programme they will be able to understand the basics of signal processing, its real time implementation on MATLAB, how to use this on processing and analysis of biomedical signals and the different approaches to analysis the linear and nonlinear features of any signal.

Course Contents

The course content includes following topics (Theory and hands on training):

- Basics of signals and systems
- Sampling theorem and quantization
- Frequency analysis of signals(Lab Session)
- Filter Design and Analysis along with Lab Session
- Wavelets and its application on Biomedical Signals along with Lab Session
- Biomedical Signal Analysis Techniques with Lab Session
- Statistical signal processing - its mathematical foundation and application
- Applications of linear time series models in Biomedical engineering along with R software

Who Will Benefit:

- Students of Engineering Colleges
- Research Scholars & Students
- Faculty members

Course Fee Particulars

Sl. No	Participants	Registration Fee in Rupees
1	Students	750
2.	Research Scholars	1000
3.	Faculty	2500

Applications in prescribed format and the course fee in the form of cheque or demand draft drawn in favor of “**Director, NIT-Raipur**” must reach the coordinator on or

before **6th Sept, 2016**. Registration fee includes course materials and lunch.

Boarding, lodging and travel expenses should be borne by the participants.

Certificate will be given to the participants after successful completion of the course under the TEQIP-II program of the institute.

Resource persons

The resource persons are from IITs, NITs and other reputed institutions and universities.

- Dr. S.D.Joshi, Prof, Electrical Dept, IIT Delhi
- Dr. N.Balakrishna, Prof, Department of Statistics, CUSAT, Cochin
- Dr. Deepak Joshi, Asst.Prof, CBME, IIT Delhi
- Dr. M.Sabarimalai Manikandan, Asst.Prof, School of Electrical Science, IIT Bhubaneswar
- Dr.S.Ghosh, Asst.Prof, Electrical Department, NIT Raipur
- Dr.B.Acharya, Asst.Prof, Electronics & Telecom. Engg, NIT Raipur
- Mr. R. K. Chaurasiya, Asst.Prof, Electronics & Telecom. Engg, NIT Raipur

Address for Correspondence

The Course Coordinator

Short Term Course on “Linear and non-linear signal processing and its application on Biomedical Signal” Department of Bio-Medical Engineering National Institute of Technology Raipur, G.E.Road, Raipur (C.G) India – 492010.

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