

SELF FINANCED
Short Term Training Program
On
“Medical Signal and Image Processing-II”
(2nd MSIP-2017)
22nd – 27th May, 2017
REGISTRATION FORM

Name:

Designation:

Organization:

Qualification:

Correspondence Address:

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Tel. (O) (R)

(M)

E-Mail:

Registration Fee is paid in the form of
Cash/DD/**Online payment** (Account Details given
overleaf) Amount

DD/NEFT/RTGS No. Date

Name of the Bank.....

Date: Place:

Signature

Note: Demand draft should be made in favor of
Director, NIT Raipur, payable at Raipur.

Chief Patron

Dr. S. Tiwari, Director, NIT Raipur

Patron

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

Convener

Prof. H. Bikrol

Department of Computer Applications

Prof. S. Ghosh

Department of Electrical Engineering

Coordinators

Dr. Narendra D Londhe

Dr. Mitul Kumar Ahirwal

Address for Correspondence

Dr. Narendra D. Londhe

Assistant Professor

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Dr. Mitul Kumar Ahirwal

Assistant Professor

Department of Computer Applications, NIT Raipur (CG)

Email: mkahirwal.mca@nitrr.ac.in

Contact No.: 09981-216-927

IMPORTANT DATES

Last date of receipt of application: 30-April-2017.

Notification about selection: By email.

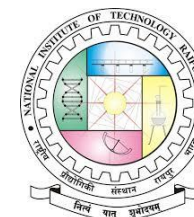
One Week Self Financed
Short Term Training Program
on

“Medical Signal and Image Processing-II”
(2nd MSIP-2017)
22nd – 27th May, 2017



Organized by

Department of Electrical Engineering and Department of
Computer Applications



National Institute of Technology
Raipur-492 010 (Chhattisgarh)

About the Institute:

National Institute of Technology Raipur (Formerly Government Engineering College Raipur), situated in the capital of a newly incepted state of Chhattisgarh, has proven to be "avant-grade" in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956. the institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi, Hyderabad, Kolkata, Bhopal, Ahmedabad, Bangalore, Chennai and Chandigarh by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

About Department

The department of Electrical Engineering came in existence in 1958. The department offers undergraduate as well as postgraduate programs.

The department of Computer Applications was established in 1988. The department offers postgraduate course, Master of Computer Applications.

These are leading departments of NIT Raipur, running several sponsored projects from the government organizations. These departments provide an outstanding research environment and offers academic program leading to the award of Ph.D. degree. Various multidisciplinary research programs are running in these departments. The Academy is envisioned to become a central hub of research and training activity.

Objective:

This is second STTP on the same track of MSIP 2016 conducted from 22nd to 27th August 2016. This time the contents are improvised based on feedback of MSIP 2016. The contents are reorganized on improved practical aspects which will surely benefits budding researchers in this field.

The aim of this training program is to provide an exposure to both basics and recent advances in medical signal and image processing. The participants will able to learn computational tool MATLAB and its use to this area of research with numerous datasets. The signal and image processing techniques will be discussed in details by the experts followed by exhaustive practical sessions. This time along with computational exercise, the real-time data acquisition will be demonstrated for ECG and EEG. Hand on practice will be given on popular data acquisition hardware and software.

Theme/Scope:

Medical Signal and Image processing plays a significant role to develop biomedical and health-care technologies. Medical signals like ECG and EEG have great impact in detection and analysis of heart and brain deceases. Medical images like Ultrasound, CT etc., provide a base for easy visualization of organ's medical conditions. At present day, automation and computation are required to enhance these biomedical technologies. Various types of computer methods have been adapted to automate and enhance such medical technologies. This course will provide a concrete base and hands-on experience on well known medical signal and images and their processing for developing computer aided diagnosis system designs and their performance evaluation.

To identify the problems, firstly expert lectures will be delivered by medical professionals to motivate budding researchers to follow this field. This is followed by the design and implantation of techniques for various signal and image datasets from experts from this area (from NIT Raipur).

Course contents:

- Introduction to Medical Signal and Imaging Methods (from medical experts).
- Introduction to Medical Signal and Image processing techniques.
- Electrocardiogram (ECG) signal processing.
- Real-time ECG and EEG signal acquisition
- Electroencephalogram (EEG) signal processing.
- Intravascular Ultrasound (IVUS) Image Processing.
- Carotid Ultrasound Image Processing.
- Psoriasis Disease Image Processing.
- Lung CT Image Processing

Targeted Participants:

UG/PG Students, Research Scholars, Academicians, and Industry Professionals.

Registration Fee Details: Participants Amount (in Rs)

Participants	Reg. Fee
Students/Research Scholars	3,000.00
Faculty	4,500.00
Industry Delegates	4,500.00

Applications in prescribed format with registration fee in the form of Demand Draft drawn in favour of "**Director, NIT Raipur**" must reach the coordinator on or before 30-April-2017. Registration fee includes registration kit, tea and lunch during the training programme. Fee is non-refundable. Since the number of seats is limited to 30, the selection will be made on first cum first serve basis and intimation will be sent to the candidates by email as per the schedule. Certificates will be issued to the participants only after attending the complete course. No TA/DA will be paid to the participants.

Account Details for Online payment

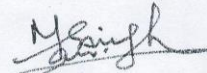


राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
(Institute of National Importance)
G.E. Road, Raipur – 492010 (C.G.)

Phone: (0771) 22 54 200
Fax: (0771) 22 54 600
Email: director.nitr@rediffmail.com
Website: www.nitr.ac.in

Bank Details of NIT Raipur is as under:

Bank Name:	State Bank of India
Bank Branch:	G.C.E.T. Branch
Bank Address:	G.E. Road, Raipur. (C.G.) Pin - 492010.
City:	Raipur (C.G.)
Country:	India
Account No:	30054181310
Account Name:	Director NIT Raipur
Bank Branch Code:	02852
IFSC Code:	SBIN0002852
Swift Code:	SBININBB646
Phone No. of Branch:	0771- 4040791/795


Dy. Registrar (F&A)
NIT Raipur (C.G.)

