

**Recent Advances in Biomedical Signal
Processing: Application to rehabilitation
and therapeutic solution (BSP: RTS 16)**

21st to 23rd August 2016
REGISTRATION FORM

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Organization:
Qualification:
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Note:

- Cheque/DD should be in favour of Director,
National Institute of Technology Raipur,
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- Photocopies of registration form may be used.

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Processing: Application to rehabilitation and
therapeutic solution (BSP:RTS 16)”
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**National Workshop
on**

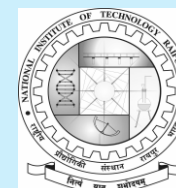
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Signal Processing: Application
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Sponsored by TEQIP II



Organized by
Department of Biomedical Engineering



**National Institute of Technology
Raipur-492 010 (Chhattisgarh)**

About Raipur

Raipur, capital of Chhattisgarh is a historical city of India. Energy Park, Gandhi Udyan, Purkhouti Muktangan, Burha Sarowar, Guru Ghasidas Museum, Nandanwan, Mahamaya Temple etc. are some of the interesting places to visit in Raipur. Raipur is a fast developing city and emerging as education hub of India. Many institutions like National Law University, AIIMS, IIM, Engineering and Medical College have been established here. Since, Chhattisgarh is rich in mineral, agriculture and forest, many public sector, private sector and multinational companies are situated around Raipur.

About NIT Raipur

NIT Raipur situated in the capital of Chhattisgarh was founded in 1956. Presently, the institute offers 12 undergraduate and 6 postgraduate courses & Ph.D.

About Biomedical Engineering Department

Started in 2003 the department offers undergraduate course and Ph.D. program in Biomedical Engineering. The department has well established laboratories.

Background of Workshop

In India, people often suffer with severe cardiac and neurological disorder, and cognitive dysfunction. Stress-toxicity and abusive lifestyle become a most common factor for these disorders in people at an early age. In order to address scientific reasons for the above mentioned problems, as well as to support its probable solution, understanding Biomedical Signals and its related intervention in medical sciences are of thrust for the scientific community of this region. Thus it leads to demand for conducting such a National Workshop which can address these problems in quantum scientific manner.

In addition this workshop will address the recent problems with modern technologies which can afford an effective, non-invasive, and principles of low cost device designing with better understanding and critical inception of the patho-physiological environment.

This workshop aims to bring together actively participating scientists in the Bio-signal communities in India for academic discussion, research exploration and intercultural exchange. One of the objectives of this workshop is to look at familiar topics from a fresh perspective. An advantage of this process is that it may foster new concepts and approaches in interactions with pioneers of esteemed academicians, healthcare professionals involved in researches, and industry experts with their cutting edge technologies, and also in our pursuit of future professional activities.

Focus Areas

- ❖ ECG Signal Processing & Applications
- ❖ EEG Signal Processing & Applications
- ❖ Brain Computer Interface
- ❖ Neuro-Cognitive Science and Engineering
- ❖ ERP recording and analysis
- ❖ Computational Neuroscience
- ❖ fMRI based neurodegenerative study
- ❖ Near Infrared Spectroscopy Scanning of Brain
- ❖ Clinical Intervention of medical imaging
- ❖ Other Signal Processing relevant topics

Targeted Participants

- Academicians
- Scientists
- Industry Professionals
- Students and Research Scholars

Seats: 50 Participants

Registration Fee Details (in INR)

Participants	Before 15 th August 2016
Students (U.G and P.G)	500
Research Scholars	750
Faculty	1000
Industry Delegates	3000

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 10th August 2016. Registration fee includes workshop materials, tea and lunch on event days.