

Course aims and objectives

- *Basics about data acquisition for biosignals.*
- *Instructing about the signal acquisition and analyses of EMG and EEG Signals.*
- *Awareness about new areas of research in biomedical engineering.*

Display of EMG/EEG recording & analyses



Keynote lectures

Dr. Manjari Tripathi

Professor Neurology,
Department of Neurology,
Neurosciences Centre, AIIMS.
Title: "EEG and Epilepsy from Signals Perspective"

Dr. A.L. Vyas

Professor
Instrument Design Development Center
Indian Institute of Technology Delhi, Delhi
Title: "Electronic and Ultrasonic Instrumentation, Signal Processing, Sonar Systems, Transducer Design"

Dr. S.P. Harsha

Assoc. Professor
Department of Mechanical Engineering
Indian Institute of Technology Roorkee,
Roorkee
Title: "CNT/BNNT based nano resonator and its bio-medical application"

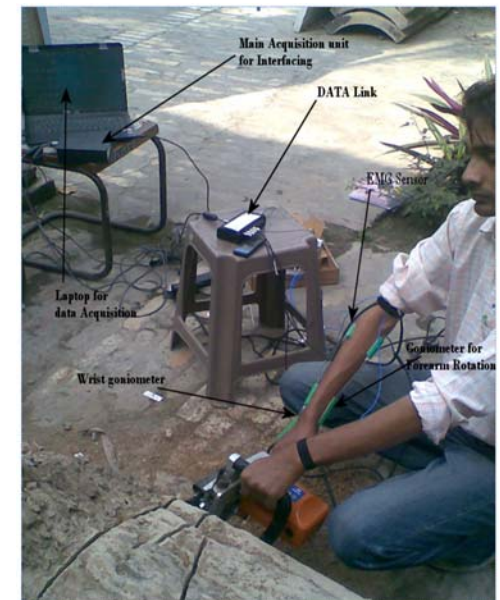
Jointly organized by
Ergonomics Research Division
Department of Mechanical Engineering
Biosignal Research Division
Department of Electrical Engineering
Aligarh Muslim University
Aligarh-202002, UP, India

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Workshop on Biomedical Engineering & its recent trends (BERT 2014)

(11 February 2014)
[Under TEQIP-II]





About AMU:

Aligarh is located on the main Delhi-Kolkata rail route at a distance of 135 km south-east of Delhi (Approximately two hours journey from Delhi). Aligarh is only 82 km from Agra and 60 km from Mathura (by road). Aligarh Muslim University is one of the oldest Universities of India and has a long and distinguished history. Initially established as a Mohammadan Anglo Oriental College in 1875, it became a full-fledged University in 1920. The Zakir Husain College of Engineering & Technology with its foundation stone being laid on 21st November 1938, stands today as an epitome in the field of engineering and technology, manifesting quality education to build intellectual competitiveness. ZHCET named after a great scholar of AMU and the former President of India, Dr. Zakir Husain, extends its arms for hundreds of students from across the country and abroad.

Biosignal Research Division:

Biosignal research division was formed to concentrate on the signal processing of biomedical signals. The major research emphasis is on the analyses of physiological signals specifically ECG, EEG and EMG signals. Few major research projects from UGC, UPCST, DBT in collaboration with institutes such as AIIMS, IIT Delhi has contributed to the research output. A small dedicated group of teaching staff from different branches of Engineering has worked together and successfully published papers in conferences and journals. The division has recording and analysing facilities for EEG, EMG, ECG signals.

Ergonomics Research Division:

Ergonomic Laboratory at AMU was established about 40 years ago in the Department of Mechanical Engineering, Faculty of Engineering & Technology. Since that time Ergonomics is a part of curriculum of B Tech (Mechanical Engineering) programme and especially a core research area at M Tech (Industrial and Production Engineering) and PhD level. The Ergonomics course and Laboratory was founded by a small dedicated group is involved in research activities in the areas of HCI, Noise & Vibration, Illumination, Environmental Effects, WMSDs, RSI, Tools design, rehabilitation etc. In 2009 Ergonomics research division was established and conducted a very successful all India conference on Ergonomics for Improved Productivity.

Registration

- *Last Date for Registration: 08 Feb 2014*
- *Registration Fee in cash:*
 - *Students: Rs. 100/-*
 - *Faculty: Rs. 200/-*
 - *Industry: Rs. 500/-*

Who can register?

Researchers and Academicians and industrial personnel from engineering and health sciences who have an interest in the biomedical signal acquisition and analysis.

Chief Patron

Lt. General (Rtd.) Zameeruddin Shah
(Vice Chancellor, AMU)

Patrons

Professor Mohibullah, Principal, ZHCET,
AMU

Professor Hamid Ali, Dean, Faculty of
Engg. & Tech., ZHCET, AMU

Coordinators

Dr. Omar Farooq, ELED

Dr. Yusuf U. Khan, EED

Dr. Abid Ali Khan, MED

Organising Committee

- Prof. Badrul Hasan Khan, Chairman, EED
- Prof. Arif Suhail, Chairman, MED
- Prof. Mohammad Muzammil, MED
- Dr. Mohd. Farooq, MED
- Dr. Asfar Ali Khan, EED
- Dr. Fazlur Rehman, Dept. of Anatomy, JNMC
- Prof. Syed Sayeed Ahmad, Dept. of Oral & Maxillofacial Surgery
- Dr. Sangeeta Singhal, Dept. of Physiology, JNMC

Contact us

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Registration Form

Name

Designation

Organisation

Mailing Address

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Phone

Email

Registration Fee Payment details

Amount in Cash only

Amount Rs.

Accommodation required[yes/No]

Dated.....

Signature.....

Received by: Name.....

Dated.....

Signature.....