

37TH TRAINING PROGRAMME OF NITUB



TRAINING PROGRAMME ON COMMON MEDICAL INSTRUMENTS

14 - 19 November 2009

Organized by

Network of Instrument Technical personnel and User scientists of Bangladesh (NITUB)

Venues

Gono Bishwabidyalay (GB) and Gono Shasthaya Samajvittik Medical College Hospital, Mirzanagar, Savar, Dhaka-1344

Organizing Committee

Dr. Manzur Kadir Ahmed Director, Gono Shasthaya Samajvittik Medical College Hospital	Convener
Professor Altaf Hussain General Secretary, NITUB	Member
Professor Dr. Begum Rokeya Department of Pharmacology, BIRDEM	Member
Dr. Hasin Azhari Anupama Department of Medical Physics and Biomedical Engineering, Gono Bishwabidyalay	Member
Mr. Ariful Islam Department of Microbiology, Gono Bishwabidyalay	Member
Sharmeen Jahan Department of Biochemistry, Gono Bishwabidyalay	Member
Mr. Kumaresh Chandra Paul Department of Medical Physics and Biomedical Engineering, Gono Bishwabidyalay	Member
Dr. Al-Mamun Gono Shasthaya Samajvittik Medical College Hospital	Member

All correspondence should be addressed to

Professor Altaf Hussain

General Secretary, NITUB

Department of Chemistry

University of Dhaka, Dhaka-1000

Bangladesh

Tel: 9661920-73 (Ext. 7142), Cell: 01552421909

Fax: 880-2-8615583

NITUB Office: 300, Elephant Road, Alishan Complex (2nd Floor, Room No. 309) Dhaka-1205, Bangladesh

Phone: 9673136; Mobile: 01715105391

Email: nitub@bangla.net ; Web: www.nitub.org

Background

To improve the capability of proper use, maintenance and repair of scientific equipment, scientists and technical personnel of Bangladesh launched a network, " Network of Instrument Technical personnel and User scientists of Bangladesh (NITUB)" on 19 July 1994. NITUB is a voluntary, non-profit, non-political learned society dedicated to scientific education and research in Bangladesh.

To fulfill the aims and objectives of NITUB, a large number of training programmes on common laboratory equipment and specific groups of instruments such as AAS, HPLC, UV-VIS, IR X-ray and common medical instruments etc. have been organized. The training programme on common laboratory equipment have also been organized by NITUB. NITUB has already trained more than 499 scientists and technical personnel of Bangladesh through its training programmes. NITUB usually organizes 2-3 training programmes each year. Other than training programmes, NITUB is also conducting Instrument Repair Programme through which non-functioning scientific instruments are being repaired. So far, NITUB has conducted 36 training programmes on various groups of instruments and repaired more than 860 scientific equipment of different educational and research organizations of Bangladesh

NITUB already has organized two training programme on common medical instruments and the last one was organized in 2007. NITUB is getting requests from the user scientists and medical technologists from different hospitals and laboratories of many organizations to organize training programme on common medical instruments on a regular basis. Therefore, NITUB plans to organize its 37th training programme on the use and maintenance of common medical instruments.

Training Programme

The 37th training programme of NITUB will include theoretical lectures and practical training sessions on operation, maintenance and trouble-shooting of common medical instruments, such as **Autoclave, Incubator,**

Sucking machine, Elisa, Colorimeter, Semiautoanalyzer, Autoanalyzer, Hematology analyzer, ECG, Ultrasonograph, Light microscope, X-ray and on other routine laboratory equipment. The training will be conducted by professors, senior scientists and NITUB technical experts.

Participants

A maximum of **20 (Twenty)** participants will be selected from among the applicants of various public/private hospitals and health centers. The detailed programme will be sent later to the selected participants. Selected participants may bring one/two of their non-functioning portable medical equipment and try to repair the instruments during the practical sessions of the training programme.

Registration

Applications for the 37th training programme on common medical instruments should reach the **General Secretary of NITUB** on or **before 05 November 2009** in the proforma given in the circular. Application must be sent through proper channel **along with a training fee of Tk. 3000/- (Taka Three thousand) in the form of a bank draft or pay order in the name of NITUB.** Training fee will include registration, accommodation, breakfast, lunch, Dinner and instruction materials.

Selected participants will be informed by **10 November 2009** and the training fee of the applicants who could not be accommodated will be refunded.

Accommodation

All participants will be provided with accommodation at the public Health Assembly (PHA) Building of Gono Shashthaya Kendra (GK) at Mirzanagar, Savar. The participants are expected to report at the PHA building by the evening of 13th November, 2009. Note that no transport will be provided for daily journey from Dhaka to GK and vice versa.

Tentative Programme

14 November 2009 (Saturday)

09.00 – 10.00	Registration
10.00 – 11.00	Inaugural Session
11.00 – 11.30	Objectives and methodology of the Workshop
11.30 – 12.00	Tea / Coffee
12.00 – 13.00	Lectures: 1. Laboratory Specimen Collection and Preservation 2. Common Medical equipment (Autoclave, Incubator, Sucking machine etc.)
13.00 – 13.30	Laboratory sessions :1*
13.30 – 14.30	Lunch
14.30 – 16.30	Laboratory sessions continues
16.30 –	Tea / Coffee

15 November 2009 (Sunday)

09.30 – 11.00	Lectures: 1. Safety in Clinical laboratory 2. Colorometer, Spectrophotometer 3. Haemolyzer 4. Electrolyte analyzer
11.00 – 11.30	Tea / Coffee
11.30 – 13.30	Laboratory sessions :2*
13.30 – 14.30	Lunch
14.30 – 16.30	Laboratory sessions continues
16.30 –	Tea / Coffee

16 November 2009 (Monday)

09.30 – 11.00	Lectures: 1. Electrophoresis 2. ECG
11.00 – 11.30	Tea / Coffee
11.30 – 13.30	Laboratory sessions :3*
13.30 – 14.30	Lunch

14.30 – 16.30	Laboratory sessions continues
16.30 –	Tea / Coffee

17 November 2009 (Tuesday)

09.30 – 11.00	Lectures: 1. Ultrasonography, 2. Elisa
11.00 – 11.30	Tea / Coffee
11.30 – 13.30	Laboratory sessions :4*
13.30 – 14.30	Lunch
14.30 – 16.30	Laboratory sessions continues
16.30 –	Tea / Coffee

18 November 2009 (Wednesday)

09.30 – 11.00	Lectures: 1. X-ray, 2. Anaesthesia
11.00 – 11.30	Tea / Coffee
11.30 – 13.30	Laboratory sessions :5*
13.30 – 14.30	Lunch
14.30 – 16.30	Laboratory sessions continues s
16.30 –	Tea / Coffee

19 November 2009 (Thursday)

09.30 – 11.00	Lectures: 1. Ophthalmology, 2. Basic equipment and safety in an operation theatre 3. Blood transfusion
11.00 – 11.30	Tea / Coffee
11.30 – 13.30	Laboratory sessions :6. Individual Problem solving
13.30 – 14.30	Lunch
14.30 – 16.30	Concluding Session

* For laboratory session participants will be divided in to two groups.