

66th TRAINING PROGRAMME OF NITUB



TRAINING PROGRAMME ON THE USE, MAINTENANCE AND TROUBLE-SHOOTING OF COMMON MEDICAL INSTRUMENTS

28 October - 02 November 2017

Organized by

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

Venue

BUHS, 125/1, Darus Salam, Mirpur, Dhaka

Organizing Committee

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Background

The network of Instrument Technical personnel and user scientists of Bangladesh (NITUB), a voluntary, non-profit, non-political learned society, is functioning since 1994 with the aim of improving the capability of scientists and technical personnel to use, maintain and repair of scientific equipment properly.

NITUB is regularly conducting training programmes on the use and maintenance of specific groups of instruments such as AAS, HPLC, GC, UV-VIS, IR and X-ray etc. Other than specific groups of instruments, NITUB also conducts training programme on common laboratory equipment and also on common medical instruments. NITUB has already trained more than 916 scientists and technical personnel of Bangladesh through its training programmes. Other than training programmes, NITUB is also conducting Instrument Repair Programme through which non-functioning scientific instruments are being repaired. So far, NITUB has repaired about 1564 scientific equipment of different educational and research organizations of Bangladesh

NITUB already has organized seven training programme on common medical instruments and the last one was organized in 2016. NITUB is getting requests from the user scientists and medical technologists from different hospitals and laboratories to organize training programme on common medical instruments on a regular basis. Therefore, NITUB plans to organize its 66th training programme on the use and maintenance of common medical instruments.

Training Programme

The 66th training programme of NITUB will include theoretical lectures and practical training sessions on operation, maintenance and trouble-shooting of common medical instruments, such as **Microscope, Incubator, pH Meter, Colorimeter, Semiauto and Autoanalyzer, ELISA Reader Hematology analyzer, Digital Balance** 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 66th training programme on common medical instruments should reach the **General Secretary of NITUB** on or **before 23 October 2017** in the form given in the circular. Application must be sent through proper channel **along with a training fee of Tk. 5000/- (Taka Five thousand) in the form of a bank draft or pay order in the name of NITUB (Sonali Bank Limited, Dhaka University Branch, Account No. 34255099)**. Training fee will include **registration, instruction materials, lunch, and tea**.

Selected participants will be informed by **25 October 2017** and the training fee of the applicants who could not be accommodated will be refunded.

Tentative Programme

October 28 2017 (Saturday)

09.00 –10.00	Inaugural Session
10.00 –10.30	Tea / Coffee
10.30 –11.30	Lecture-1: Quality Sample Collection, Handling, and Preservation for an Effective Microbial testing
11.30 –12.30	Lecture-2: Common Medical Equipment-microscope: maintenance & troubleshooting
12.30 –13.15	Practical Session: Group-A: Microscope Group-B: Microbiology Practical
13.15-1400	Lunch
14.00 –16.00	Practical: Rotation of Group A and B
16.00 – 16.30	Tea / Coffee

October 29 2017 (Sunday)

09.00 – 10.00	Lecture-3: Automated Blood Cell Counter
10.00 –11.00	Lecture-4: Biochemistry auto analyzer maintenance and on-site troubleshooting
11.00 – 11.30	Tea / Coffee
11.30 – 13.00	Practical Session: Group -A: Automated Blood Cell Counter Group –B: Biochemistry auto analyzer
13.00 – 14.00	Lunch
14.00 – 16.00	Practical: Rotation of Group A and B
16.00 – 16.30	Tea / Coffee

October 30 2017 (Monday)

09.00 – 10.00	Lecture-5: Photometric techniques in clinical laboratory
10.00 – 11.00	Lecture-6: Genetic polymorphism in the disease pathogenesis & its complications
11.00 – 11.30	Tea / Coffee
11.30 – 13.00	Practical Session: Group -A: Spectrophotometer, colorimeter Group –B: Common troubleshoots in Gel Electrophoresis in DNA lab
13.00 – 14.00	Lunch
14.00 – 16.00	Practical: Rotation of Group A and B
16.00 – 16.30	Tea / Coffee

October 31 2017 (Tuesday)

09.00 – 10.00	Lecture-7: Maintenance & troubleshooting of Dimension, and other machines
10.00 – 11.00	Lecture-8: Gross decontamination method to avoid floaters & contaminant in a histopathology & cytopathology lab
11.00 – 11.30	Tea / Coffee
11.30 – 13.00	Practical Session: Group -A: Group –B: How to avoid floaters & contaminant in histopathology testing
13.00 – 14.00	Lunch
14.00 – 16.00	Practical: Rotation of Group A and B
16.00 – 16.30	Tea / Coffee

November 01 2017 (Wednesday)

09.00 – 10.00	Lecture-9: ELISA General guideline and Troubleshooting
10.00 – 11.00	Lecture-10: Microtome, a useful tool in Histopathology Laboratory
11.00 – 11.30	Tea / Coffee
11.30 – 13.00	Practical Session: Group -A: ELISA Group –B: Microtome
13.00 – 14.00	Lunch
14.00 – 16.00	Practical: Rotation of Group A and B
16.00 – 16.30	Tea / Coffee

November 02 2017 (Thursday)

09.00 – 10.00	Lecture-11: Safety in a clinical laboratory
10.00 – 11.00	Lecture-12: Use & maintenance of small lab instruments: Digital Balance, Ph Meter, Dessicator, Sonicator, etc.
11.00-11.30	Tea / Coffee
11.30 – 13.00	Practical Session: Digital Balance, Ph Meter, Sonicator etc
13.00 – 14.00	Lunch
14.00 – 16.00	Open discussion, Concluding Session and Certificate distribution

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MAINTENANCE OF COMMON MEDICAL
INSTRUMENTS.**

28 October - 02 November 2016

APPLICATION FORM

Name of the applicant :

Date of birth :

Academic qualification :

Designation :

**Institution/Organization
with address :**

Phone and Cell number :

E-mail Address :

Designation :

**Any previous training,
If yes, please specify :**

Date: Signature of the applicant

**Recommendation from the Head of
Institution / Organization.**

Date: Signature :

Name :

Designation :