

36TH TRAINING PROGRAMME OF NITUB



**A WORKSHOP ON THE USE, MAINTENANCE
AND TROUBLE-SHOOTING OF COMMON
LABORATORY EQUIPMENT FOR COLLEGE
TEACHERS**

01-06 JUNE 2009

Organized by

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

Venue

Ananda Mohan College, Mymensingh

Programme Committee

c0dmi tgrt i "uj Bmj vg wefvMxq c0vb, c`v_@eAvb wefvM, Avb>` tgvnb Ktj R	AvnevgK
W. mRZ Kgvi t` mnKvix Aa`vcK, i mvqb wefvM, Avb>` tgvnb Ktj R	m`m` mPe
Rbie ivar ej fmi Kvi mnthvMx Aa`vcK, i mvqb wefvM, Avb>` tgvnb Ktj R	m`m`
Rbie kvn&tgrt wRqvDj nK mnthvMx Aa`vcK, c`v_@eAvb wefvM, Avb>` tgvnb Ktj R	m`m`
Rbie mRb Kgvi mi Kvi mnKvix Aa`vcK, Dw`c` wefvM, Avb>` tgvnb Ktj R	m`m`
Rbie tgrt gvRei ingvb mnKvix Aa`vcK, MwYZ wefvM, Avb>` tgvnb Ktj R	m`m`
Rbie tgrt bRi`j nK mnKvix Aa`vcK, c0Yw`v wefvM, Avb>` tgvnb Ktj R	m`m`
W. bj`j u`v tUKvbK`vj G. cvU`bvBUve	m`m`
Rbie Avej Kvj vg tP\$ajx tUKvbK`vj G. cvU`bvBUve	m`m`

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: +88-02-9673136; Mobile: 01715105391

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 and IR etc. have been organized. NITUB has already trained more than 500 scientists and technical personnel of Bangladesh through its training programmes. NITUB is also conducting Instrument Repair Programme through which non-functioning scientific instruments are being repaired. NITUB has repaired more than 750 scientific equipment of different educational and research organizations of Bangladesh.

NITUB has so far been working with scientists and technical personnel of universities, research organizations, private chemical and pharmaceutical industries. Recently NITUB has undertaken a programme for providing training facilities towards the use, maintenance and trouble-shooting of common laboratory equipment for college teachers. A workshop on the use, maintenance and trouble-shooting of common laboratory equipment for college teachers was held on 16-17, 19-20 September 2006 at Eden Mohila College, Azimpur, Dhaka. In the concluding session of the workshop, Professor Wakil Ahmad, Vice-Chancellor of National University in his address proposed NITUB to conduct such training programme regularly for college teachers in other divisional Head Quarters.

NITUB is, going to organize its 36th training programme on the use, maintenance and trouble-shooting of common laboratory equipment for college teachers of the greater Mymensingh at Ananda Mohan College on 01-06 June 2009.

Workshop Programme

There will be theoretical lecture and also intensive practical training on operation, maintenance and trouble shooting of common laboratory equipments like Spectrophotometers, Balance, Oven, Microscope, Conductometer, pH-meter, Colorimeter, Vacuum pump etc. University professors, technical experts and engineers will conduct the workshop.

Participants

Science teachers of university colleges of greater Mymensingh may apply for participation in the training programme. A maximum of 25 (Twenty five) participants will be accommodate in the training programme.

Participants may bring one/two of their non-functioning portable instruments and repair the instruments during the practical sessions of the training programme.

Registration

Applications for participants in the 36th training programme on the use, maintenance and trouble-shooting of common laboratory equipment for college teachers of the greater Mymensingh should reach the **General Secretary of NITUB** on or **before 20 May 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, training materials, lunch and tea.

Selected participants will be informed by **25 May 2009** and the training fee of the applicants who could not be accommodated will be refunded.

36th Training Programme of NITUB

A Workshop on the Use, Maintenance and Trouble-Shooting of Common Laboratory Equipment for College Teachers

Venue: Ananda Mohan College, Mymensingh

01-06 June 2009

Tentative Schedule

01 June 2009 (Monday)	1000-1100	-	Registration
	1100-1200	-	Inauguration
	1200 - 1230	-	Tea
	1230-1330	-	Lecture 1: Laboratory Safety
	1330-1430	-	Lunch
	1430-1700	-	Practical session -I Lab.-A (Chemistry Department) Conductometer, Magnetic Stirrer, Shaker, Water bath, Distillation plant, Electric Balance etc.
		Group - II	Lab. - B (Physics Department) Oscilloscope, Signal Generator, Aquatic Transducer, Logic gate, Trainer board (Digital/Analog), GM Counter etc.
		Group - III	Lab. - C (1. Botany, 2. Zoology) 1. pH-Meter, Microscope, Autoclave etc. 2. Microscope, Microtome, Incubator, Oven etc
		Group - IV	Lab. - D (Mathematics Department) Computer lab.
		1700 - 1730	-
02 June 2009 (Tuesday)	1000-1100	-	Lecture 2: Maintenance and Trouble-shooting of Computer-I
	1100-1130	-	Tea
	1130-1230	-	Lecture 3: Maintenance and Trouble-shooting of Common Laboratory Equipment.
	1230-1330	-	Practical session - II Group - I; Lab. - B Group - II; Lab. - C Group - III; Lab. - D Group - IV; Lab. - A
	1330-1430	-	Lunch Practical session -II (Continuation) Tea

- 03 June 2009
(Wednesday)**
- 1000-1100 - **Lecture 4:** Fabrication of Commonly Used Laboratory Equipment.
- 1100-1130 - Tea
- 1130-1230 - **Lecture 5:** Maintenance and Trouble-shooting of Computer-II
- 1230-1330 - **Practical session - III**
Group - I; Lab. - C
Group - II; Lab. - D
Group - III; Lab. - A
Group - IV; Lab. - B
- 1330-1430 - Lunch
Practical session -III (Continuation)
Tea
- 04 June 2009
(Thursday)**
- 1000-1100 - **Lecture 6:** Basic principles of common laboratory equipment.
- 1100-1130 - Tea
- 1130-1230 - **Lecture 7 :** Trouble-shooting, Methods, Techniques and Procedures
(Analog and Digital Equipment)
- 1230-1330 - **Practical session - IV**
Group - I; Lab. - D
Group - II; Lab. - A
Group - III; Lab. - B
Group - IV; Lab. - C
- 1330-1430 - Lunch
Practical session -IV (Continuation)
Tea
- 06 June 2009
(Saturday)**
- 1000-1100 - **Practical session - V**
Individual problem solving session
- 1100-1130 - Tea
- 1130 -1300 - Practical session -V
(Continuation)
- 1300-1400 - Lunch
- 1400-1500 - Open Discussion
Closing Ceremony & Certificate Distribution
Tea