



বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়

উপদেশ, প্রসারণ ও গবেষণা কার্যক্রম পরিদপ্তর

ঢাকা-১০০০, বাংলাদেশ

পরিচালক

টেলিফোন: ৯৬৬৩১২৯ (অফিস), পিএবিএক্স: ৯৬৬৫৬৫০-৮০, ৮৬১৬৮৩৩-৩৮, ৮৬১৮৬৮০-৪৪, ৮৬১৮৩৪৪-৪৮/৭৩৫৪, ৭৪৯৩, ৭৫১৫ (অফিস)

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নং-ডিএইআরএস/CASR/Misc./F-07/ট্রেনিং কোর্স/২০১৩/ডিআর- ২৯৪ (৬২)

তারিখ- ১৭/১২/২০১৩

সকল অনুমোদনের ডীন

সকল বিভাগীয় প্রধান

পরিচালক, IWFM, IAT, IICT, JIDPUS, CES, DCE, ARI

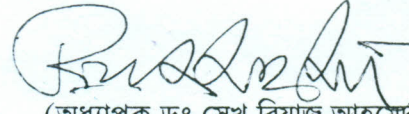
বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়, ঢাকা

বিষয়ঃ- 52nd Training Programme of NITUB During 04-09 January 2014-এর মনোনয়ন প্রেরণ প্রসঙ্গে।

উপরোক্ত বিষয়ে Network of Instrument Technical Personnel and User Scientists of Bangladesh (NITUB), Dhaka থেকে প্রাপ্ত পত্র ও সংযুক্তিসমূহ মাননীয় উপাচার্য মহোদয়ের নির্দেশানুযায়ী সংশ্লিষ্ট সকলের অবগতির ও প্রয়োজনীয় কার্যার্থে এতদসঙ্গে প্রেরিত হলো। উক্ত ট্রেনিং কোর্স ৪ঠা থেকে ৯ই জানুয়ারী, ২০১৪ পর্যন্ত ৬ দিনব্যাপী অনুষ্ঠিত হবে। এতদ্বিষয়ে অংশগ্রহণের লক্ষ্যে আগ্রহী শিক্ষকগণকে আগামী ২৬/১২/২০১৩ তারিখের মধ্যে পত্রে বর্ণিত সংশ্লিষ্ট কর্তৃপক্ষের নিকট যোগাযোগ করার জন্য অনুরোধ জানানো যাচ্ছে। উল্লেখ্য, বিষয়টি ব্যাপক প্রচারের ব্যবস্থা গ্রহণের জন্য অনুরোধ জানানো হলো।

ধন্যবাদান্তে,

All for 1/12/13


(অধ্যাপক ডঃ সেখ রিয়াজ আহমেদ)
পরিচালক, ডি.এ.ই.আর.এস

অবগতির জন্য অনুলিপিঃ

নং-ডিএইআরএস/CASR/Misc./F-07/ট্রেনিং কোর্স/২০১৩/ডিআর- ২৯৪ (৬২)/২

তারিখ- ১৭/১২/২০১৩

১। পিএস টু ভিসি (মাননীয় ভিসি মহোদয়ের সদয় অবগতির জন্য), বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়, ঢাকা।

২। রেজিস্ট্রার, বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়, ঢাকা।

CSE



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

Alishan Complex (2nd floor, Room No. 309), 300, Elephant Road, Dhaka-1205, Bangladesh
E-mail: nitub@bangla.net; Web: www.nitub.org

08 December 2013

Honorable
Vice -Chancellor
Bangladesh University of Engineering and Technology (BUET)
Dhaka-1000

Dear Sir,

Please find enclosed a circular of the 52nd training programme of NITUB on **use, maintenance and trouble-shooting of Ultra-Violet, Visible and Infrared (UV-VIS & IR) Spectrophotometer**. The UV-VIS & IR training programme will be held on **04-09 January 2014** at the Centre for Advanced Research in Sciences, University of Dhaka, Dhaka-1000. NITUB will highly appreciate if you kindly nominate interested faculty members of your university to participate in the training programme.

Applications to participate in the training programme should reach the General Secretary of NITUB by **26 December 2013**, along with training fee, **Tk. 7,000/-** (Seven thousand only). The training fee includes registration, instruction materials, lunch and tea.

With best regards,

Yours sincerely,

Altaf Hussain

(Altaf Hussain)

General Secretary, NITUB

and

Professor, Department of Chemistry
University of Dhaka, Dhaka-1000

07-01-2014 (Tuesday)

1000-1100 - **Lecture 6:** Instrumentation & Maintenance of UV-VIS spectrophotometer

1100-1130 - Tea

1130-1230 - **Lecture 7:** Development of Analytical Method & Validation as per ISO/IEC 17025

1230-1400 - Lunch

1400-1630 - **Laboratory session -4**

Group A: Study of IR of selected solid compounds

Group B: Study of IR of selected liquid compounds

Group C: Kinetic study of hydrolysis of crystal violet spectrophotometrically

1630-1700 - Tea & Discussion

08-01-2014 (Wednesday)

1000-1100 - **Lecture 8:** Study of organic functional groups spectrophotometrically

1100-1130 - Tea

1130-1300 - **Laboratory session -5**

Group B: Study of IR of selected solid compounds

Group C: Study of IR of selected liquid compounds

Group A: Kinetic study of hydrolysis of crystal violet spectrophotometrically

1300-1400 - Lunch

1400-1630 - Presentation by Participants on UV-VIS & IR Spectroscopy

1630-1700 - Tea & Discussion

09-01-2014 (Thursday)

0930-1130 - **Laboratory session -6**

Group C: Study of IR of selected solid compounds

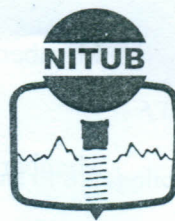
Group A: Study of IR of selected liquid compounds

Group B: Kinetic study of hydrolysis of crystal violet spectrophotometrically

1230-1330 - Closing ceremony & certificate distribution

1330 - Closing Lunch

52ND TRAINING PROGRAMME OF NITUB



**TRAINING PROGRAMME ON THE USE,
MAINTENANCE AND TROUBLE-SHOOTING
OF ULTRA-VIOLET, VISIBLE AND INFRARED
SPECTROPHOTOMETER (UV-VIS & IR)**

04-09 January 2014

Organized by

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

Venue

Centre for Advanced Research in Sciences, University of Dhaka, Dhaka-1000

Local Organizing Committee

Professor Altaf Hussain General Secretary, NITUB	- Convener
Professor Qamrul Ehsan Department of Chemistry, DU	- Member
Professor Pradip Kumar Bakshi Department of Chemistry, DU	- Member
Dr. Das Debnath Department of Chemistry, DU	- Member
Dr. Rumana Akther Jahan Centre for Advanced Research in Sciences, DU	- Member
Md. Abul Kalam Chodhury Instrument Engineer, NITUB	- Member

All correspondence should be addressed to

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NITUB Office: 300, Elephant Road, Alishan Complex (2nd Floor,
Room No. 309) Dhaka-1205, Bangladesh
Tel: +880-2-9673136, Cell: 01715105391, 01711984234
Email: nitub@bangla.net, Web: www.nitub.org

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 scientific equipment in their laboratories properly.

NITUB is regularly conducting training programmes on the use and maintenance of specific groups of instruments such as UV-VIS & IR, HPLC, AAS, GC and X-ray etc. Other than the training programmes on specific groups of instruments, NITUB also conducts training programme on common laboratory equipment for college teachers and common medical equipment for medical professionals. So far, NITUB has conducted 51 training programmes on various groups of instruments. NITUB is also conducting Instrument Repair Programme through which non-functioning scientific instruments are being repaired.

Since its inception, NITUB already has organized six training programmes on the use, maintenance and trouble-shooting of UV-VIS & IR and the last one was held in 2011. NITUB is getting requests from the user scientists and technical personnel of many organizations to organize a training programme on UV-VIS & IR. The EC of NITUB, therefore, decided to organize the 52nd training programme on UV-VIS & IR.

The 52nd training programme of NITUB will consist of theoretical lectures and practical training sessions on operation, analytical applications, maintenance and trouble-shooting of UV-VIS & IR. A tentative timetable for the training programme is given, however the final programme will be chalked out later and will be sent to the selected participants only. The training programme will be conducted by University Professors, Senior Scientists and NITUB Technical Experts.

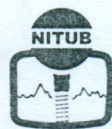
Participants

A maximum of 15 (fifteen) participants will be selected from among the applications of scientists and technical personnel of public and private educational institutes and research organizations. Young scientists and postgraduate students having UV-VIS & IR facilities at his/her working place will have preference to participate in the training programme.

Registration

Applications to participate in the 52nd training programme on UV-VIS & IR should reach the General Secretary of NITUB on or **before 26 December 2013**. Application must be sent through proper channel **along with a training fee of Tk. 7,000/- (taka seven 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, teaching materials, lunch and tea.

Selected participants will be informed by 31 December 2013 and the training fee of the applicants who could not be accommodated will be refunded.



52ND NITUB TRAINING PROGRAMME OF NITUB ON USE, MAINTENANCE AND TROUBLE-SHOOTING OF UV-VIS & IR

04-09 January 2014

APPLICATION FORM

Name of the applicant :
Date of birth :
Academic qualification :
Designation :
Institute/Organization
with address :
Telephone number :
Mobile number :
Designation :
Any previous training,
If yes, please specify :

Date: Signature of the applicant

Recommendation from the Head of
Institution / Organization

Date: Signature :
Name :
Designation :

Seal

POSTAGE
STAMP

Professor Altaf Hussain
General Secretary, NITUB
Department of Chemistry
University of Dhaka
Dhaka-1000, Bangladesh

Tentative Programme

04-01-2014 (Saturday)

0930-1030 - Registration

1030-1130 - Inauguration

1130-1200 - Tea

1200-1300 - **Lecture 1:** Fundamentals of UV-VIS
spectroscopy

1300-1400 - Lunch

1400-1700 - **Laboratory session -1**

Group A: *Quantitative analysis with UV-VIS
spectrophotometer*

Group B: *Sample handling of IR spectrophotometer*

Group C: *Determination of Iron
spectrophotometrically*

1630-1700 - Tea & Discussion

05-01-2014 (Sunday)

1000-1100 - **Lecture 2:** Fundamentals of IR spectroscopy

1100-1130 - Tea

1130-1230 - **Lecture 3:** Quality Control & Quality
Assurance of Analytical Laboratory

1230-1400 - Lunch

1400-1630 - **Laboratory session -2**

Group B: *Quantitative analysis with UV-VIS
spectrophotometer*

Group C: *Sample handling of IR spectrophotometer*

Group A: *Determination of Iron
spectrophotometrically*

1630-1700 - Tea & Discussion

06-01-2014 (Monday)

1000-1100 - **Lecture 4:** Application of UV-VIS Spectrophotometer

1100-1130 - Tea

1130-1230 - **Lecture 5:** Application of IR Spectrophotometer

1230-1400 - Lunch

1400-1630 - **Laboratory session -3**

Group C: *Quantitative analysis with UV-VIS
spectrophotometer*

Group A: *Sample handling of IR spectrophotometer*

Group B: *Determination of Iron spectrophotometrically*

1630-1700 - Tea & Discussion