

SEVENTH VIRTUAL WORKSHOP OF NITUB



A VIRTUAL WORKSHOP ON BASIC ELECTRONICS

02 October 2021

Organized by

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

Venue

ONLINE (Zoom Platform)

Programme Committee

Professor Altaf Hussain
General Secretary, NITUB
Convener

Professor Mohammed Shoeb
Department of Chemistry
University of Dhaka (DU)
and EC member, NITUB
Member

Dr. Md. Zakir Sultan
Principal Scientist,
CARS, University of Dhaka (DU)
and EC member, NITUB
Member

All correspondences should be addressed by email to

Professor Altaf Hussain
General Secretary, NITUB
Cell phone: +880 1552-421909,
Email: nitub@bangla.net

or

Md. Abul Kalam Chowdhury
Instrument Engineer, NITUB
Cell phone: +8801711-984234
Email: md.akchowdhury@gmail.com

NITUB Office: 300, Elephant Road, Alishan Complex (2nd Floor, Room No. 309) Dhaka-1205, Bangladesh
Tel: +880-2-9673136, Cell: 01711984234
Email: nitub@bangla.net, md.akchowdhury@gmail.com
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 to improve the capability of scientists and technical personnel of Bangladesh to use, maintain and repair scientific equipment.

NITUB is regularly conducting training programmes on the use and maintenance of specific groups of instruments such as GC, HPLC, AAS, UV-VIS, IR and X-ray etc. So far, NITUB has conducted 76 training programmes. NITUB is also conducting Instrument Repair Programme throughout the year through which non-functioning scientific instruments are being repaired.

NITUB could not however organize its usual hand-on training programmes and other activities since March 2020 due to the COVID-19 pandemic. The Executive Committee of NITUB in a meeting, decided to organize virtual workshops which will be mainly lectures on the use, application, maintenance and trouble-shooting on scientific equipment. The first virtual workshop of NITUB on GC was held on October 2020. So far, NITUB has organized 6 (six) virtual workshops on different instruments and the last one was on Specific Medical Instruments held on 22 August 2021. The 7th virtual workshop will be on “Basic Electronics” to be held on **02 October 2021**.

Workshop

The 7th virtual workshop on “Basic Electronics” will include two theoretical lectures on different aspects of electronics. University Professors will conduct this virtual workshop. A detailed programme is given in the circular.

Participants

A maximum of 30 (Thirty) participants will be selected from among the applications of young faculties, scientists, research students and technical personnel of public and private educational institutes, research organizations. Regional and International applicants are also welcome to apply.

Registration

Applications to participate in the 7th Virtual Workshop of NITUB on specific “Basic Electronics” should reach the General Secretary, NITUB, on or **before 28 September 2021** in the form given in the circular. Application must be sent through proper channel along with a training fee of **BDT. 500/- (Bangladesh Taka Five Hundred only)** in the form of a bank draft, pay order or on-line payment in the name of **NITUB** (Sonali Bank Limited, Dhaka University Campus Corporate Branch, Account No. **4405734255099**) or by **bKash (bKash number: +8801711-984234)** with charge. Selected participants will be informed with the **Zoom link** of the workshop by **30 September 2021** and **E-Certificates** will be given to participants attending the virtual workshop.

Programme

02 October 2021 (Saturday)

14:00-14:30 - Registration and Inauguration

14:30-16:00 - **Lecture 1: Basic Electronics-I** (Concept of Potential Difference, and Current, Three electrical components: Resistor, Capacitor, and Inductor, Important theorem/law used in Basic Electronics, Construction, operation process, and application of PN junction diodes, Bipolar Junction Transistors etc.)

- **Professor Dr. Saeed Mahmud Ullah**
Department of EEE, University of Dhaka

16:20-17:50 - **Lecture 2: Basic Electronics-II** (Operational amplifier, Oscillators, Multivibrators, Power Amplifiers, Voltage Regulators, Power Electronics, and Digital Electronics)

- **Professor Dr. Md. Habibur Rahman**
Department of EEE, University of Dhaka

17:50-18:00 - **Closing remarks**

7th VIRTUAL WORKSHOP OF NITUB ON BASIC ELECTRONICS

02 October 2021

APPLICATION FORM

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| Name of the applicant (Block Letter) | |
| Date of birth | |
| Academic qualification | |
| Designation | |
| Institute/Organization with address | |
| Phone / cell phone number | |
| E-mail Address | |
| Any previous training, If yes, please specify. | |
| | |
| Date: | Signature of the applicant |

Recommendation from the Head of Institution / Organization
