

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

Activity Report-2022

Network of Instrument Technical personnel and User scientists of Bangladesh (NITUB) is a registered [registration number: **S-7887(1077)08**] voluntary, non-profitable, non-political learned society dedicated to scientific education and research. NITUB is functioning since July 1994. The following are the activities of NITUB of 2022:

NITUB conducts its training programmes and other activities laboratory based. NITUB's stakeholders expect hands-on training and about 70% of the total time of a training programme is practical sessions. During COVID-19 pandemic NITUB had to organize programmes online but as the Covid situation is better for the last couple of months normalized, NITUB started to conduct offline week-long training programmes.

Training programmes/ Workshops

One of the main objectives of NITUB is to conduct training programmes on specific group of instruments to update the knowledge of user scientists and technical personnel on instrumentation so that scientific equipment of different institutions function properly and scientific research could be carried out effectively. In the year 2022, NITUB organized four training programmes (78th Training Programme on the use, maintenance and trouble shooting of Gas chromatography (**GC**); 79th Training Programme on the use, maintenance and trouble shooting of Common Medical Equipment (**CME**); 80th Training Programme on the use, maintenance and trouble shooting of Common Laboratory Equipment (**CLE**); 81st Training Programme on the use, maintenance and trouble shooting of Atomic Absorption Spectroscopy (**AAS**)). In which 69 young faculties, postgraduate students, scientists and technical personnel of different public and private universities and research organizations were trained. Of these 69 participants 28 were female participants. The report of those programmes of NITUB of 2022 is attached herewith. (Enclosure –II-IV).

Instrument Repair Programme:

This programme of NITUB is conducted by the instrument engineers and technical experts of NITUB. They go personally to the institute from where the service was asked for. Through this programme of NITUB, one hundred eight (108) non – functioning scientific instruments of different educational and research organizations of Bangladesh have been repaired in the year 2022. The reported book value of these scientific instruments is approximately BD Taka 4,41,70,000.00/- (U.S. \$ 428,170) and NITUB spent approximately BD Taka 75,516.00/- (U.S. \$706.20/-) to repair these instruments. A detailed list of repaired instruments is enclosed in Enclosure--V

Executive Committee (EC) meetings of NITUB:

All activities of NITUB have to be approved in the Executive Committee (EC) meetings. In 2022, the Executive Committee of NITUB met in five times (10th & 11th On-line, One Emergency, 116th & 117th offline). All the activities of NITUB of 2022 were designed, approved and also executed as per decisions taken in the EC meetings.

Publication:

NITUB used to post all its activities on its website (www.nitub.org). However, NITUB also publishes brochures, profiles, manuals etc. NITUB has published brochures for the four training programmes and handed over the published training materials to the participants of the programmes 2022.

Other activities :

Membership of NITUB:

Twenty-six (26) scientists and technical personnel became members of NITUB in 2022. At present, NITUB has 280 members of which 11 are founding members, 258 life (including 6 foreign members) and 11 ordinary members. National, regional and international faculty members, graduate students, research scientists, engineers, medical personnel and technical personnel of public and private universities, university colleges, and research organizations are members of NITUB. University faculties, college teachers, graduate students, scientists and technical personnel take part in NITUB activities.

AGM-2019 and 2020 of NITUB:

The Annual General Meeting (AGM) of NITUB of the year 2021 was held in hybrid mode on Thursday, 31 March 2022, at 15:00 hours at the Cafeteria of the Centre for Advanced Research in Sciences (CARS), University of Dhaka. The meeting was presided over by the President of NITUB, Professor Mesbahuddin Ahmed. One hundred thirteen (113) members (Physically 60 & Online-53) of NITUB were present in this AGM. In the Annual General Meeting, all activities of NITUB of 2021, audit report of 2021, programmes of NITUB of 2022 and budget 2022 were approved.

Fabrication of Low- cost Equipment:

NITUB has already started fabricating low-cost laboratory equipment for higher secondary schools and colleges. In 2022, NITUB engineers fabricated low-cost equipment: pH meter and conductivity meter. NITUB engineers assembled the equipment modules and programmed those instruments as well. And the result of that instrument was up to the mark and the connection of this module was good enough. Now, NITUB engineers are to test these two low-cost equipment. It is expected that these two instruments will be given soon to a School/College to test. As soon as NITUB gets positive report, NITUB will continue to fabricate the equipment.

Acknowledgement:

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