



THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF
EDUCATION, SCIENCE AND TECHNOLOGY
**DAR ES SALAAM INSTITUTE OF
TECHNOLOGY**



DATE:16th April, 2021

**CALL FOR BIOMEDICAL EQUIPMENT REPAIR AND MAINTENANCE
TRAINING**

Dar es Salaam Institute of Technology (DIT) through Institute Consultancy Bureau (ICB) has experience in conducting training and consultancies using its in house and outsourced practitioners.

The DIT has affordable accessibility and technology related to biomedical equipment as much needed by healthcare practitioners. The current diagnostic needs healthcare professionals who are capable of using electronic devices to diagnose and provide medical care for their patients.

In this training, participants will learn to install, calibrate, troubleshoot, and repair medical equipment. Participants will also practice on a wide range of health-related monitoring tools, diagnostic, therapeutic, and surgical apparatus and instrumentation.

TARGETS

Target Participants are laboratory technicians, Professionals/Individual working in the repair and maintenance of hospital equipment's such as X-rays, Telemedicine and Biomedical systems, Equipment user or Operator and anybody with the interest with Biomedical Equipment's.

TOPICS

1. Electrical Principles & Practical medical Electronics equipment
2. Technical Details, theory of operation and maintenance of biomedical equipment
 - Measuring, recording and monitoring equipment (**ECG, Pulse oximeter, Cardiac monitor, Multi-parameter monitor**)
 - Modern Imaging Systems (**Ultrasonic Imaging System, X-Ray systems**)
 - Clinical Laboratory Instruments (**Spectrophotometer, Semi-Auto Analyzer, Colorimeter, Microscope, Centrifuge**)
 - Therapeutic Equipment (**Cardiac Defibrillator, Short wave Diathermy, Ultrasonic Diathermy**)
3. Telemedicine Practice
 - Introduction to telemedicine technology
 - Overview of International standards
 - Demonstration of telemedicine technology
 - Hands-on practice
4. Biomedical equipment, Repair, Calibration and Installation

LEARNING OUTCOME

At the end of this course participants are expected to

- Acquire Knowledge and Skills on how to repair and maintain Biomedical equipment
- Acquiring skills on how to Troubleshoot Biomedical Equipment
- Gain understanding of professional and ethical responsibility for the field
- Improve skills of assembling biomedical equipment

Medium of Instruction: English and Swahili

Venue: Dar es Salaam Institute of Technology (DIT) - Dar es Salaam.

Duration: One week (Five working days) Fee: TZS 550,000.00 per participant.

Date: 14th – 18th June 2021

Fee: TZS 550,000.00 per participant.

The fee includes Facilitation Fee, Learning materials, Practical works, Lunch, Breakfast and Certification.

Transport cost, per diems and other administrative expenses have to be met by the participant.

PAYMENT:

Payment should be made before joining the Programme in the following

**Account: Dar Es Salaam Institute of Technology: A/C No: 011103005389
NBC Corporate**

Application Deadline: 11th of June, 2021

Note: Confirm your participation by making fee payment before the course start date and send scanned bank slip to indicated email addresses

For more information:

Institute Consultancy Bureau.

P. O. Box 2958- Dar es Salaam, Tel. +255-(022)-2150902

Fax: 255-(022)-2152504

E-mail: icb@dit.ac.tz

Web: <http://www.dit.ac.tz>

Please call: 0717 962 127, 0883 590 816

Email: heri.manga@dit.ac.tz or herrymanga@gmail.com

benjamin.kamtawa@dit.ac.tz or benjankamtawa@gmail.com

REGISTRATION

https://docs.google.com/forms/d/1h3hYT9g_wx93aeNUZIVgp9mAxVCvLx-naxNB3fgovRc/viewform?edit_requested=true

LOCATION

- Junction of Morogoro Road and Bibi Titi Mohamed,
- Google Map:

[https://www.google.com/maps/place/Dar+es+Salaam+Institute+of+Technology/@-](https://www.google.com/maps/place/Dar+es+Salaam+Institute+of+Technology/@-6.8148071,39.2778339,17z/data=!3m1!4b1!4m5!3m4!1s0x185c4b09e848c92d:0x90d02db3c3d6c912!8m2!3d-6.8148071!4d39.2800226)

[6.8148071,39.2778339,17z/data=!3m1!4b1!4m5!3m4!1s0x185c4b09e848c92d:0x90d02db3c3d6c912!8m2!3d-6.8148071!4d39.2800226](https://www.google.com/maps/place/Dar+es+Salaam+Institute+of+Technology/@-6.8148071,39.2778339,17z/data=!3m1!4b1!4m5!3m4!1s0x185c4b09e848c92d:0x90d02db3c3d6c912!8m2!3d-6.8148071!4d39.2800226)

