



**NIGERIAN INSTITUTE OF  
SCIENCE LABORATORY  
TECHNOLOGY  
(NISLT)  
(FEDERAL MINISTRY OF SCIENCE,  
TECHNOLOGY AND INNOVATION)**

**2023  
SHORT TERM  
TRAINING  
WORKSHOP  
PROGRAMMES**

(A statutory Professional Body Chartered by Act No. 12 of 2003 of the National Assembly)

**Ibadan Office:** Educational Zone, Samonda-Sango/U.I. Road, P. O. Box 9764, U. I. Post Office Ibadan, Oyo State, Nigeria  
**Abuja Office:** Jabi Airport Road, beside NOUN, opposite EFCC, adjacent Federal Medical Centre, Abuja Nigeria.

**Tel:** 07087978055, 07066289848, 08062117814, 08030787747, **e-mail:** [inform@nisl.gov.ng](mailto:inform@nisl.gov.ng), [enquiry@nisl.gov.ng](mailto:enquiry@nisl.gov.ng), **website:** [www.nisl.gov.ng](http://www.nisl.gov.ng)



## **BRIEF ON THE INSTITUTE**

The Nigerian Institute of Science Laboratory Technology (NISLT) was established by Act 12 of 2003 of the National Assembly and made a parastatal of the Federal Ministry of Science, Technology and Innovation. The Institute was hitherto known as the Nigerian Institute of Science Technology (NIST) founded in 1971 saddled with responsibility of “advancing science laboratory technology profession and ensure through its registered members effective and efficient management and administration of science laboratories in Nigeria”.

Over the years, the Institute has put in place human resources and infrastructure to enable it fulfil its mandate through the establishment of Multipurpose Science Laboratory at its national Secretariat, Ibadan, Oyo State, equipped with modern and computerized equipment for the conduct of training, routine laboratory services and research using new technologies. Participants for the training workshops will have the opportunity to use the equipment and thus acquire relevant knowledge and skills in their applications to enhance their performances at work.

Resource persons for the workshops are experienced Lecturers and Scientists drawn from Tertiary Institutions, Industries, Research Institutes and the Private Sector.

## **TRAINING METHODOLOGY**

The workshops will be conducted through combination of lectures, discussions, case studies, simulation exercises, multimedia presentations and practical exercises.

In view of the above we are pleased to announce the under listed workshops and training programmes scheduled for the year 2023.



# TABLE OF CONTENT



S/NO.	TABLE OF CONTENT	DATE (2023)	PAGE	
	Brief on the Institute		ii	
	Index of the workshops for 2023 ( <i>summary</i> )		iii	
	Table of Content		iv	
1.	Workshop on Professional Certificate of Competency in Laboratory Design, Construction and Planning (Control, Protection and Facilities)	7th – 13th May	1	Ibadan
2.	Workshop on Bacteria DNA Extraction, Purification and Amplification	21st – 27th May	2	Ibadan
3.	Workshop on Basic Laboratory Skills course and Certification for Laboratory Assistants Technicians, Supervisors and Superintendents in Public and Private sectors	11th – 17th June	3	Ibadan
4.	Specialized Workshop on Laboratory Quality Management and Institutional Accreditation	2nd – 8th July	4	Ibadan
5.	Professional Certificate of Competency in Science Laboratory Equipment Ordering, Installation and Management Technologies	16th – 22nd July	5	Ibadan
6.	Workshop on Proximate Analysis of Food and Agro-Allied	6th – 12th August	6	Ibadan
7.	Science Laboratory Bio-Risk, Biosafety and Biosecurity Engagement Program to Mitigate National Biological Threats	27th Aug – 2nd Sept	7	Ibadan
8.	Workshop on Strategic Equipment Protection, Maintenance and Management	17th – 23rd Sept	8	Ibadan
9.	Proximate analysis and Nutritional Composition of food and Agro-allied products	15th – 21st Oct	9	Akwa-Ibom
10.	Environmental Sample Analysis Using Atomic Absorption Spectrophotometer (AAS) Flame Photometer And Ultra-Violet/Visible Spectrophotometer	15th – 21st Oct	10	Akwa-Ibom
11.	Workshop on Value of Laboratory Practical on Environmental Impact Assessment (EIA) and Social Impact Assessment (SIA) Training Course	29th Oct – 4th Nov	11	Ibadan
	General information		12	
	NISLT Corporate Nomination Form for 2023 Short-Term Training Programme		13	
	NISLT Individual Application Form for 2023 Short-Term Training Programme		14	
	SUMMARY OF THE WORKSHOPS			



# NIGERIAN INSTITUTE OF SCIENCE LABORATORY TECHNOLOGY

2023 NISLT SHORT TERM TRAINING WORKSHOP PROGRAMMES



## 1. WORKSHOP ON PROFESSIONAL CERTIFICATE OF COMPETENCY IN LABORATORY DESIGN, CONSTRUCTION AND PLANNING (CONTROL, PROTECTION AND FACILITIES)

**FOR:** Laboratory Scientists/Technologists, laboratory Managers/Supervisors, users of laboratory equipment and equipment procurement officers, chief executives of science-based institutions are also invited.

**OBJECTIVES:** This professional development course is designed for science Laboratory Technologists/ Laboratory scientists and field Engineers who need to gain practical skills and knowledge in the control, protection, and science laboratory facility planning system in line with National council on Science Technology and Innovation (NCSTI) approved prototype and guidelines

### COURSE CONTENT

- Science Laboratory Management- an overview
- Components of Laboratory Design, Construction and Planning
- Laboratory Risk Assessment
- Basic elements of biosafety
- Quality management of laboratory role of NISLT
- ISO17025 components of laboratory management
- Basic features of a standard laboratory
- Process of Equipment Qualification
- Laboratory Internal Audits
- Occurrence Management
- Laboratory Safety
- Methods of evaluation/validation/ equipment trouble shooting

**DURATION:** 7 days  
**Date:** 6th – 12th May 2023  
**Arrival:** 5th May 2023  
**Departure:** 13th May 2023  
**FEE:** ₦70, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory  
Technology, Educational Zone, Samonda, Ibadan, Oyo State.



## **2. WORKSHOP ON BACTERIA DNA EXTRACTION, PURIFICATION AND AMPLIFICATION**

**FOR:** Laboratory personnel (Scientists, Technologists, Technicians), Laboratory Managers, Microbiologist, Researchers, personnel working in both public and private laboratories.

**OBJECTIVE:** The objectives of the DNA extraction is to expose laboratory professional to techniques and skills for DNA extraction and amplification, forensic Science and highest purity genetic materials.

### **COURSE CONTENT:**

- Culturing of bacteria from either food, water, soil, air samples
- Isolation of pure colony culture
- Bacteria DNA extraction
- Basic principle of molecular biology DNA extraction and PCR & polymerase chain reaction
- Procedure and preparation of molecular reagents and primer design
- Agarose preparation and crude DNA quantification
- Gene and Gene detection
- Analysis of primer sequencing
- Application of molecular biotechnology

**DURATION:** 7 days

**Date:** 22nd – 26th May 2023

**Arrival:** 21st May 2023

**Departure:** 27th May 2023

**FEE:** ₦70, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory  
Technology, Educational Zone, Samonda, Ibadan, Oyo State.

**REQUIREMENT:** Participants are advised to come with their Laboratory Coats.



### **3. WORKSHOP ON BASIC LABORATORY SKILLS COURSE AND CERTIFICATION**

**FOR:** Laboratory Attendants, Assistants, Technicians, Supervisors, Superintendents and other Laboratory personnel

**OBJECTIVE:** The main objective of this workshop is to expose the participants to the requirements for Laboratory personnel, Laboratory Management Systems, Risk and Hazard Management for effective and result oriented Laboratory system.

#### **COURSE CONTENT:**

- The Role of Laboratory Assistants, Technicians in Laboratory Organization and Maintenance
- Basic Laboratory Safety Procedures
- Introduction to Management and Cleaning of Laboratory fittings and features
- Key elements in Laboratory Management and Laboratory Structures
- Laboratory Hazard and Risk Management
- Laboratory Ethics
- Basic Laboratory record and document storage, keeping and retrieval
- ICT and Laboratory information Management
- Minor Maintenance of work area and equipment
- Correct procedures, policies and health/safety guidelines
- Methodologies in carrying routine tasks
- Prerequisite skills or qualifications of Laboratory Personnel
- Career path, advancement and progression process
- Introduction to waste management

**DURATION:** 7 days  
**DATE:** 11th – 16th June 2023  
**ARRIVAL:** 12th June 2023  
**DEPARTURE:** 17th June 2023  
**FEE:** ₦60, 000.00

**VENUE:** *Ibadan Office, Nigerian Institute of Science Laboratory  
Technology, Educational Zone, Samonda, Ibadan, Oyo State.*

Participants are advised to come with their Laboratory Coats



#### **4. SPECIALIZED MANDATORY WORKSHOP ON LABORATORY QUALITY MANAGEMENT AND INSTITUTIONAL ACCREDITATION**

**OBJECTIVES:** TO ACQUAINT THE PARTICIPANTS ON LABORATORY QUALITY MANAGEMENT SYSTEM, NISLT AND ACCREDITATION PROCEDURES FOR INSTITUTIONS OFFERING SCIENCE LABORATORY TECHNOLOGY (SLT)

**COURSE CONTENT:**

- Strengthening Laboratory Management Towards Accreditation
- Laboratory Quality Management System
- Good Laboratory Practise/High Level Overview of ISO 17025 Technical Requirements
- ISO 17025 Laboratory Management Requirements/Quality Control Charts
- Quality Assurance Of Test Results
- Laboratory Internal Audits
- Factors Responsible For Successful Accreditation
- SLT NBTE/NUC Accreditation Procedures
  - Benchmark Minimum Academic Standard
  - Self Study forms
  - Laboratory and Equipment Requirements
- NISLT Accreditation Procedures
- Application of Laboratory Information Management System
- Procedures for Selecting, Ordering and acquiring equipment, Equipment leasing, Qualification, Specification requirements and Procurement Procedure
- Ethics of Science Laboratory Technology Profession.

**DURATION:** 7 days  
**Date:** 3rd – 7th July 2023  
**Arrival:** 2nd July 2023  
**Departure:** 8th July 2023  
**FEE:** ₦60, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory  
Technology, Educational Zone, Samonda, Ibadan, Oyo State.





## **5. PROFESSIONAL CERTIFICATE OF COMPETENCY IN SCIENCE LABORATORY EQUIPMENT ORDERING, INSTALLATION AND MANAGEMENT TECHNOLOGIES**

**FOR:** Laboratory personnel (Scientists, Technologists, Technicians), Laboratory Managers, Researchers, personnel working in both public and private laboratories.

**OBJECTIVES:** The objectives of the workshop is to expose Laboratory personnel to approach of Equipment Ordering, installation, Commission and Management.

### **COURSE CONTENT**

- The Role of NISLT in Strengthening Laboratory Management System
- Essential elements in Science laboratory equipment maintenance
- Introduction to laboratory design, construction and planning
- Laboratory Audit
- Application of Laboratory Information Management System
- Procedures for selecting, ordering, acquiring equipment, Equipment listing, and specification
- Safety and Safety procedure in Laboratory Design and Management
- ISO17025- Technical and Management requirement in laboratory Management
- Good laboratory practice, Quality control and Quality assurance of test results.
- Ethics of Science laboratory technology profession

**DURATION:** 7 days  
**Date:** 17th – 21st July 2023  
**Arrival:** 16th July 2023  
**Departure:** 22nd July 2023  
**FEE:** ₦70, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory  
Technology, Educational Zone, Samonda, Ibadan, Oyo State.





**NIGERIAN INSTITUTE OF  
SCIENCE LABORATORY TECHNOLOGY**  
2023 NISLT SHORT TERM TRAINING WORKSHOP PROGRAMMES



## 6. WORKSHOP ON PROXIMATE ANALYSIS OF FOOD AND AGRO-ALLIED

**FOR:** Laboratory personnel (Scientists, Technologists, Technicians), Laboratory Managers, Researchers, personnel working in both public and private laboratories.

**OBJECTIVES:** The objectives of the workshop is to expose Scientists/Technologists to hands-on techniques and skills in determining the values of macronutrients in food samples and Agro-allied Product.

### COURSE CONTENT

- NISLT role in Laboratory Food analysis and scientific advancement
- Basic principle of proximate analysis in Agro-allied product.
- The significance of proximate analysis in food and agro-allied products.
- Different methods of sample preparation for proximate analysis
- The use of thermo gravimetric equipment for the analysis of various food and Agro-allied products (Ash content, protein content, crude fat, crude fibre).
- Calculation, validation and data interpretation

**DURATION:** 7 days

**Date:** 5th – 11th August 2023

**Arrival:** 6th August 2023

**Departure:** 12th August 2023

**FEE:** ₦70, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory Technology, Educational Zone, Samonda, Ibadan, Oyo State.

**REQUIREMENT:** Participants are advised to come with their Laboratory Coats.



**NIGERIAN INSTITUTE OF  
SCIENCE LABORATORY TECHNOLOGY**  
2023 NISLT SHORT TERM TRAINING WORKSHOP PROGRAMMES



**7. SCIENCE LABORATORY BIO-RISK, BIOSAFETY AND BIOSECURITY  
ENGAGEMENT PROGRAM TO MITIGATE NATIONAL BIOLOGICAL THREATS**

**FOR:** Laboratory Managers, Quality Assurance Officers, Laboratory Scientists and Technologists, Laboratory Assessors in food, Environmental, Electronic, Chemical, Pharmaceutical, Institutional and Industrial Laboratories.

**OBJECTIVES:** The training workshop is designed to train Laboratory Personnel and Laboratory Assessors on how to install, maintain and improve laboratory quality systems that meet the requirements of ISO/IEC17025:2017 and other standards. The course also gives essential knowledge required for Laboratory Quality Managers to prepare laboratories for accreditation and audit as well as improving their skills on bio-risk engagement procedures in the laboratories.

**COURSE CONTENT**

- Environmental Quality Assessment and Management, the Role of NISLT
- Environmental Degradation, Threats and Implication
- Environmental Impact Assessment Method and Procedures
- Bio- Risk, Biosafety and Biosecurity Engagement
- Biosecurity Approach : A Guide to Best Professional Practices
- Principle of Environmental Impact Assessment
- Application of Biosafety Containment in Mitigating Biological Threats
- A Practical Method for Environmental Impact Assessment Audits
- Enforcement of Environmental Law in Mitigating Against Pollution of Environment
- Risk and Risk Management Against Ecological Imbalance
- Waste and Waste Management
- Role of Laboratory Test in Mitigating Against Ecological Imbalance

**DURATION:** 7 days  
**Date:** 28th August – 1st September 2023  
**Arrival:** 27th August 2023  
**Departure:** 2nd September 2023  
**FEE:** ₦80, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory Technology, Educational Zone, Samonda, Ibadan, Oyo State.



## **8. WORKSHOP ON STRATEGIC EQUIPMENT PROTECTION, MAINTENANCE AND MANAGEMENT**

**FOR:** Instrumentation Technologists, scientists, supervisors, laboratory managers and those involved in the use and maintenance of laboratory equipment.

**OBJECTIVES:** This workshop is designed to train technologists/ scientists and other users of science equipment on basic equipment maintenance, adaptation techniques, managerial skills, preventive maintenance, troubleshooting, selection and procurement of appropriate spare parts, professional and technical skills of handling equipment, hazards associated with laboratory equipment and preventive measures.

### **COURSE CONTENT**

- Equipment Maintenance
- Basic Electronics and Electricity
- Calibration & validation of Laboratory Equipment
- Instrumentation of selected Laboratory Equipment
- Laboratory Electrification Layout and Power supply system
- Basic use of ICT tools in equipment interface
- Routine and preventive maintenance/logical troubleshooting of selected laboratory equipment
- Laboratory Administration and management
- Equipment specification, acquisition and environment
- Equipment qualifications and Commissioning
- Equipment Protection Systems

**DURATION:** 7 days  
**Date:** 18th – 22nd September 2023  
**Arrival:** 17th – 23rd September 2023  
**Departure:** 17th – 23rd September 2023  
**FEE:** ₦80, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory  
Technology, Educational Zone, Samonda, Ibadan, Oyo State.



## **9. PROXIMATE ANALYSIS AND NUTRITIONAL COMPOSITION OF FOOD AND AGRO-ALLIED PRODUCTS**

**FOR:** Laboratory personnel (Scientists, Technologists, Technicians), Laboratory Managers, Researchers, Agricultural Officers, Laboratory Quality Control Officers, personnel working in both public and private laboratories.

**OBJECTIVES:** The objectives of the workshop is to expose Laboratory personnel to assessment.

### **COURSE CONTENT**

- The role of NISLT in ensuring Food Quality standard and Safety
- Overview of food, food chemistry and sampling methods
- Quality Control and Quality Assurance of Food Test
- Determination of Anti-nutritional factors in Foods and Agricultural Products
- Proximate Analysis of Foods and Agro Products
- Analytical methods of Food Samples Result Validation
- Preservatives efficacy Test of Food
- Fundamentals of Laboratory Safety in food industry
- Determination of toxins in Food and agro products
- Industrial food processing methods, Food spoilage and control
- Concept Development of a new Food product
- Quality Management System and ISO 22000 HACCP of Food Certification
- Preparation of Standards for Elemental Analysis
- Process of Laboratory Registration and Certification by NISLT
- Laboratory Equipment Protection and Management System

**DURATION:** 7 days

**Date:** 16th – 20th October, 2023

**Arrival:** 15th October, 2023

**Departure:** 21st October, 2023

**FEE:** ₦60, 000.00

**VENUE:** Ministry of Science and Technology, Akwa-Ibom, State. .

**REQUIREMENT:** Participants are advised to come with their Laboratory Coats.



## **10. ENVIRONMENTAL SAMPLE ANALYSIS USING ATOMIC ABSORPTION SPECTROPHOTOMETER (AAS) FLAME PHOTOMETER AND ULTRA-VIOLET/VISIBLE SPECTROPHOTOMETER**

**FOR:** Laboratory Scientists, Technologists, Chemical Analysts, Quality Control Managers in Tertiary Institutions, Research Institutes, and the industrial sectors.

### **OBJECTIVE:-**

This workshop is designed to expose and impart practical knowledge to participants on environmental sample analysis. In addition, the practical use of analytical equipment such as AAS, FLAME & UV Visible Spectrophotometer will be demonstrated, not excluding equipment trouble shooting and maintenance.

### **COURSE CONTENT**

- The role of NISLT in Laboratory Quality standard and Safety
- Basic and advanced concepts of Atomic Absorption Spectrophotometer, Flame photometer and UV-Visible Spectrophotometer
- Basic calculations in spectrophotometric analysis
- Different methods of sample and standard preparations for environmental spectrophotometric analysis
- Principles, operations and applications of AAS, flame photometer and UV/Visible spectrophotometer for environmental analysis
- The use of AAS, flame photometer and UV-Vis Spectrometer for metal oxides analysis e.g. Fe<sub>2</sub>O<sub>3</sub>, MgO, P<sub>2</sub>O<sub>5</sub> etc
- Good Laboratory Practice
- Validation and Data Interpretation
- Trouble shooting and maintenance of AAS, flame and UV/Visible Spectrophotometer.
- Installation methods for AAS, Calibration of AAS, flame photometer/UV Visible spectrophotometer with standards and Operational techniques for AAS, etc.
- Process of Laboratory Registration and Certification by NISLT
- Laboratory Equipment Protection and Management System

**DURATION:** 7 days

**Date:** 16th – 20th October, 2023

**Arrival:** 15th October, 2023

**Departure:** 21st October, 2023

**FEE:** ~~₦80,000.00~~

**VENUE:** Ministry of Science and Technology, Akwa-Ibom, State. .

**REQUIREMENT:** Participants are advised to come with their Laboratory Coats and laptops.



## **11. WORKSHOP ON VALUE OF LABORATORY PRACTICAL ON ENVIRONMENTAL IMPACT ASSESSMENT (EIA) AND SOCIAL IMPACT ASSESSMENT (SIA)**

**FOR:** Laboratory personnel (Scientists, Technologists, Technicians), Laboratory Managers, Researchers, personnel working in both public and private laboratories.

**OBJECTIVES:** The objectives of the workshop is to expose Laboratory personnel to assessment.

### **COURSE CONTENT**

- Environmental quality Assessment and Management, the role of NISLT
- Environmental impact assessment method and procedures
- Purpose and objective of EIA
- The social impact assessment
- Environmental impact assessment : a guide to best professional practices
- Principle of environmental impact assessment
- A practical method for environmental impact assessment audits
- Legal aspect and enforcement of environmental law in mitigating against pollution of environment
- Risk and Risk Management against ecological imbalance
- Waste and Waste Management Systems
- Role of Laboratory test in mitigating against ecological imbalance

**DURATION:** 7 days

**Date:** 28th October – 3rd November 2023

**Arrival:** 29th October 2023

**Departure:** 4th November 2023

**FEE:** ₦70, 000.00

**VENUE:** Ibadan Office, Nigerian Institute of Science Laboratory  
Technology, Educational Zone, Samonda, Ibadan, Oyo State.



## GENERAL INFORMATION

### 1. ONLINE LECTURE:

Any participant that intend to attend online lectures for non-practical oriented workshop training should write personally to the institute email address ([inform@nisl.gov.ng](mailto:inform@nisl.gov.ng)) at least one month before the date.

### 2. VENUE

Most of the lectures will be held at the NISLT Office, Samonda, Ibadan, except otherwise indicated specifically at NISLT proposed Headquarter in Abuja. In-house training of staff can be arranged for Institutions/Organizations on request. Interested Institutions/Organizations should contact the Director-General/Registrar/CEO for further information.

### 3. ACCOMODATION

Participants will be responsible for their accommodation during the workshops. However, there are suitable hotels and guest houses with facilities which are affordable around the Institute. Arrangements for accommodation can be made on request to the Institute.

### 4. APPLICATIONS

Interested candidates, Institutions and Organizations should apply formally indicating their title(s) of interest to reach the Institute at least two weeks before the commencement date. Late applications or arrival for the respective workshops may not be entertained. Participants who wish to make payments in advance can pay online through the remita (remita.net) into the **Treasury Single Account (TSA) named Nigeria Institute for Science Laboratory Technology** in any of the commercial banks and present the teller during registration.

### 5. REQUIREMENTS

Since some of the training workshops involve laboratory sessions, participants are mandated to come with **LABORATORY COATS, NOSE MASKS** in compliance with Laboratory Safety Regulations. ALL COVID-19 protocols will the observed.

*FOR APPLICATIONS, COMPLETE THE ATTACHED FORM AND FORWARD IT*

*TO:*

**The Director-General/Registrar/CEO**  
NIGERIAN INSTITUTE OF SCIENCE LABORATORY TECHNOLOGY  
P.O.BOX 9764, U.I .POST OFFICE  
SAMONDA, IBADAN, OYO STATE  
TEL: 08062117814, 08030787747





**THE NIGERIAN INSTITUTE OF SCIENCE LABORATORY TECHNOLOGY (NISLT)**

**CORPORATE NOMINATION FORM FOR 2023 SHORT-TERM TRAINING PROGRAMME**

Name of Organization:.....

Address .....

Email Address: .....

Telephone No.....

Course/Workshop applied for .....

.....

Names of Nominees	Position in Establishment
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

Amount Enclosed .....

.....

Name and Signature of Nominating Officer .....

.....

Phone Number /Email Address of Nominating Officer: .....

.....



**THE NIGERIAN INSTITUTE OF SCIENCE LABORATORY TECHNOLOGY (NISLT)**

**INDIVIDUAL APPLICATION FORM FOR 2023 SHORT-TERM TRAINING PROGRAMME**

I hereby apply to participate in the following course(s) of the Institute as advertised:

- (a) ..... Date .....
- (b) ..... Date .....
- (c) ..... Date .....

**PARTICULARS OF APPLICANT:**

NAME: .....

SEX: ..... MARITAL STATUS: .....

Email Address: .....

**ADDRESS & TELEPHONE NUMBER**

(a) Residential: .....  
..... Tel: .....

(b) Postal: .....  
.....

(c) Office ..... Tel: .....

(d) Home Town: ..... Tel: .....

**ACADEMIC & PROFESSIONAL QUALIFICATIONS WITH DATES:**

.....  
.....

Do you want the Institute to book accommodation for you? .....

If yes? Indicate below:

Ranges of hotel you want .....

The amount in bank draft that you are sending down as deposit

The course fees paid with receipt/bank teller: N.....

I hereby pledge to abide by all the rules and regulations governing the courses, which I have applied for.

\_\_\_\_\_  
Signature of Applicant

## SUMMARY OF THE 2023 SHORT TERM TRAINING

SN	Courses	Dates											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.	Workshop on Professional Certificate of Competency in Laboratory Design, Construction and Planning (Control, Protection and facilities)					7th – 13th May							
2.	Workshop on Bacteria DNA Extraction, Purification and Amplification					21st – 27th May							
3.	Workshop on Basic Laboratory Skills course and Certification for Laboratory Assistants Technicians, Supervisors and Superintendents in Public and Private sectors						11th – 17th June						
4.	Specialized Workshop on Laboratory Quality Management and Institutional Accreditation							2nd – 8th July					
5.	Professional Certificate of Competency in Science Laboratory Equipment Ordering, Installation and Management Technologies							16th – 22nd July					
6.	Workshop on Proximate Analysis of Food and Agro-Allied								6th – 12th Aug				
7.	Science Laboratory Bio-Risk, Biosafety and Biosecurity Engagement Program to Mitigate National Biological Threats									27th Aug – 2nd Sept			
8.	Workshop on Strategic Equipment Protection, Maintenance and Management									17th – 23rd Sept			
9.	Proximate analysis and Nutritional Composition of food and Agro-allied products										15th – 21st Oct		
10.	Environmental Sample Analysis Using Atomic Absorption Spectrophotometer (AAS) Flame Photometer And Ultra-Violet/Visible Spectrophotometer										15th – 21st Oct		
11.	Workshop on Value of Laboratory Practical on Environmental Impact Assessment (EIA) and Social Impact Assessment (SIA) Training Course											29th Oct – 4th Nov	