



3. WORKSHOP ON QUALITATIVE RESEARCH METHODS STATISTICAL ANALYSIS OF LABORATORY QUALITY DATA, THESIS & SCIENTIFIC RESEARCH PAPER WRITING

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

OBJECTIVE: The main objective of this workshop is to expose the participants to the Research techniques, Data Collection/Analysis, results interpretations and Thesis Writing.

COURSE CONTENT:

- The Role of NISLT in Research and Development (R&D)
- Qualitative Research Design: Understanding different qualitative research methodologies, such as case studies, interviews, and content analysis.
- Data Collection in Qualitative Research: Techniques for collecting qualitative data, including interviews, observations, and document analysis.
- Statistical Software:
 - Introduction to statistical tools and techniques used to analyze quality data in a laboratory, including descriptive statistics and inferential statistics.
 - Proficiency in using statistical software such as SPSS, R, or SAS for data analysis
 - Creating effective data visualizations to present quality data in a clear and understandable manner.
 - Understanding and applying hypothesis testing in the context of laboratory quality data analysis.
 - Performing and interpret regression analysis to identify relationships and trends in quality data.
- Data Coding and Analysis: Methods for coding and analyzing qualitative data, such as thematic analysis and grounded theory.
- Thesis Proposal Writing: Developing a thesis proposal that outlines the research question, objectives, methodology, and significance of the study.
- Scientific Research Paper Structure: Understanding the structure and components of a scientific research paper, including the abstract, introduction, methods, results, discussion, and conclusion.
- Citation and Referencing Styles: Mastery of citation and referencing styles such as APA, MLA, or Chicago for proper academic and scientific writing.

DURATION: 7 days

DATE: 3rd – 7th June 2024

ARRIVAL: 2nd June 2024

DEPARTURE: 8th June 2024

FEE: ₦80,000.00

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