

INTRODUCTION

Non - Ionising radiation (NIR) is a powerful tool finding increasing applications in almost all walks of life, be it agriculture, aviation, energy, medicine, security, media, industry or research. However, due to inability of human beings to detect its presence make the radiation 'invisible' to the workers most of the time. While the benefit are extraordinary, it also presents a health hazard challenges if not properly used. Therefore, the delicate balance between the benefit and risk demands the judicious and appropriate standards and regulations.



Kenya Bureau of
Standards

Standards for Quality life



TRAINING OBJECTIVE

1. Discuss fundamental principles, safety, applications and hazard
2. Address present challenges and outline future trends
3. Improve the performance of Non -Ionizing radiation practice and provide insight and guidance to the ever-changing medical Radiation Protection and safety
4. Promote high professional standard and enhance development of healthcare professionals in various aspects of radiation applications in medicine



COURSE DESCRIPTION

The workshop is a premier event that brings together a unique and International mix of experts, researchers, regulators, academia, industry and decision makers to exchange knowledge and experience for optimal use on Non-Ionizing radiation and to minimize the health risk associated with the hazard.



COURSE OVERVIEW

The programme runs is intended to run for 5 consecutive days and including practical / simulation exercise. The teaching is engaging and interactive, with relevant practical and group exercises to ensure the subject matter can be applied in practice.

Registration: Kenya Shillings
50,000.00 exclusive of VAT 16%

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Kenya Bureau of Standards (KEBS) is a Government statutory body established with a mandate on Standards, Testing, Metrology, Certification, Quality Assurance and Inspection. KEBS is organizing:

NON-IONIZING RADIATION AND SAFETY TRAINING WORKSHOP

20th-24th APRIL 2020

MOMBASA, KENYA

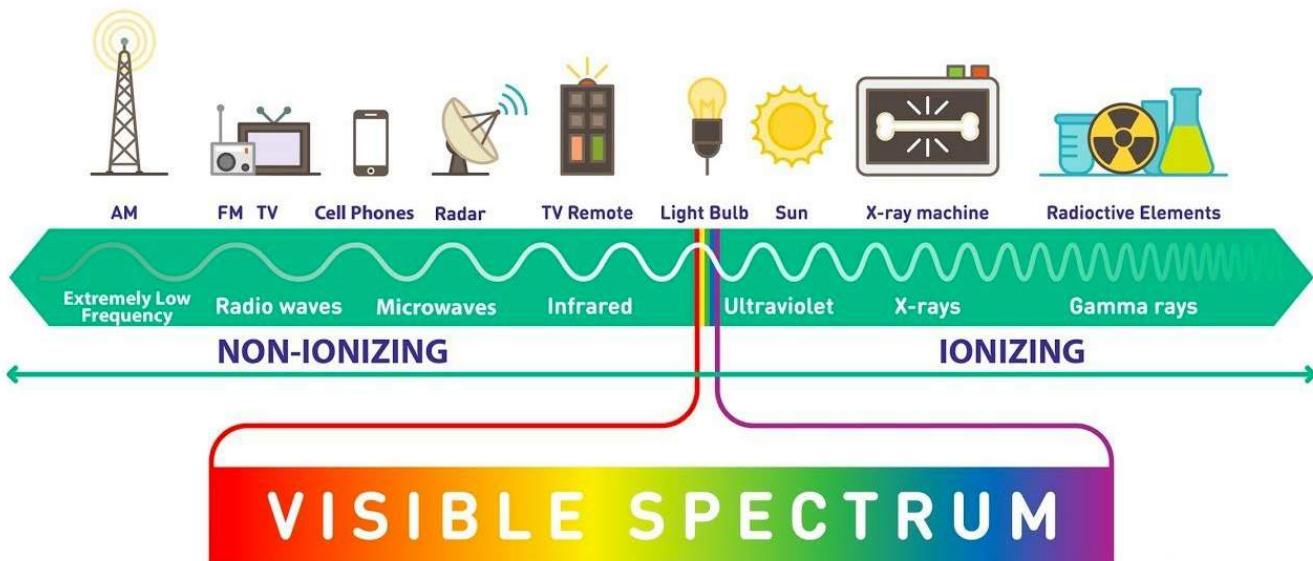


TARGET AUDIENCE

- Regulators and Government agencies
- Service providers/ Non-Ionizing Radiation workers
- Training Institutes/ Universities / Research institutions
- Public Health / Safety / Environmental
- Engineers/ Maintenance/ Instrumentation
- Technicians / Technologists / Laboratory personnel
- Healthcare professionals - MRI / ultrasound etc
- Radio-chemists / Radio-pharmacists
- Policy makers
- Aviation /
- Security operators / application
- Communication
- Energy - Transmission /
- Power lines
- Laboratory testing / calibration / measurements
- Manufacturing / Packaging / Processing plant
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TOPICS OF INTEREST

- Principles and Philosophies
- Legislation and Regulations
- standards
- Calibration
- Photometry
- Radio frequency
- Microwaves
- Infrared
- Visible light
- MRI
- Mobile communication
- Base stations
- Wi-fi
- Power lines
- Dosimetry
- Ultraviolet Waves (UV)
- Measurements
- Agriculture
- Safety and Radiation Protection
- Effects of magnetic fields
- Biologixcall effect
- Regulators and Government agencies
- Service providers/ Non-Ionizing Radiation workers
- Communication
- Energy - Transmission / Power lines
- Laboratory testing / calibration / measurements
- Manufacturing / Packaging / Processing plant
- Agriculture
- Radiometry, Health & Safety
- Future measurements
- Electromagnetic field,
- Microwave frequency



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