

# UTILIZATION OF INFORMATION COMMUNICATION TECHNOLOGY (ICT) - BASED TRAINING / LEARNING FOR CAPACITY BUILDING IN RADIATION PROTECTION FRAMEWORK

**OLUYEMI, I.O.D.\***

*Department of Nuclear Science and Technology (NST)*

*Energy Commission of Nigeria (ECN)*

*Plot 701(c), Central Area*

*P.M.B. 358, Garki, Abuja.*

*FCT, Nigeria.*

## **Abstract**

Radiation protection is the science of protecting people and the environment from the harmful effects of ionizing radiation, which includes both particle radiation and high energy electromagnetic radiation. It includes occupational radiation protection, which is the protection of workers; medical radiation protection, which is the protection of patients; and public radiation protection, which is about protection of individual members of the public, and of the population as a whole.

ICT has made possible the development of e-learning and several Virtual Learning Environments (VLEs) which can support a wide range of capacity building requirements, ranging from under-graduate and post-graduate programmes, continuing professional development courses, right through to short subject-specific and research courses, thereby eliminating the problems of conventional forms of training / learning, some of which are: limited access, cost effectiveness and language / cultural barriers.

This paper focuses on the utilization of these ICT-based training / learning for capacity building in radiation protection framework and concludes with suggestions on implementation strategies.

**KEYWORDS:** *Radiation protection, Training / learning, Capacity building*

---

\* Oluyemi, I.O.D., E-mail: ifeoluwaooluyemi@gmail.com