



This is to certify that

B. N. Nalaka Chathuranga
participated in the

**Training Course on Radiation Protection and Quality Assurance in
Diagnostic and Interventional Radiology**

conducted by the

Sri Lanka Atomic Energy Regulatory Council (SLAERC)

24th – 27th October, 2017

The subjects covered;

- Principles & overview of radiation protection in diagnostic radiology and motivation for the course
- Basic Radiation Physics
- Radiation units & quantities
- International system of radiation protection
- Introduction to regulatory programme of SLAERC
- Interaction of radiation with matter
- Shielding and X-ray room design approvals
- Optimization of protection in fluoroscopy, mammography, CT and dental radiography
- Implementation of QA programme in Radiology Department
- Introduction of radiation measuring instruments
- Biological effect of ionizing radiation
- Occupational dose reduction methodologies & use of personal protective equipment & use of personnel monitoring
- Quality control of general radiography X-ray machines & equipment
- Production of X-rays and safe use of X-ray machines
- Practical on designing of X-ray room and quality control of X-ray machines
- Exposure pathways and radiation protection problems associated with Radiology, Cardiology, Orthopaedic, Neurosurgery and Nuclear Medicine on Doctor's perspective



Dr. Saman Hewamana
Chairman / SLAERC

H.L. Anil Ranjith
Director General / SLAERC

K.N.R. Fernando
Course Director / SLAERC

Date issued : 27th October, 2017

This certificate is valid until 27th October, 2022

This certificate alone does not qualify the holder to practice as a medical radiation technologist



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B N N CHATURANGA

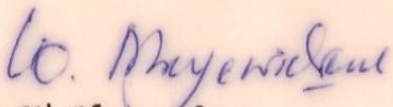
participated in the


***National Training Course on Radiation Protection and
Quality Assurance in Diagnostic Radiology for
Technologists working in Private Hospitals***

Conducted by the

Atomic Energy Authority

22 - 23 December 2008


Dr. W. Abeyewickreme
Chairman,
Atomic Energy Authority


H. L. Anil Ranjith
Head, Division of Radiation Protection
Atomic Energy Authority

23rd December 2008

