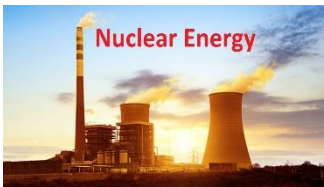
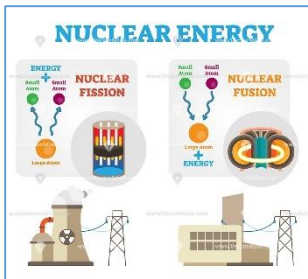


OBJECTIVES AND COURSE CONTENT OF SHORT TERM COURSES

Operational Plan No.	ICT-73 (24 – 28 November 2025)
Name of the Course	Nuclear Energy and Power Technologies (Interdisciplinary) National Level
Objectives of Course 	The objective of the course is to provide knowledge to participants in the field of nuclear energy and power generation technologies. The phenomenon of nuclear fission and fusion, fission based reactors and Nuclear power plants, radiation detections and safety measures as well as development options for reactors based on nuclear fusion will be the major focus.
Course Content 	Nuclear Constituents and Concept of binding energy; Nuclear Fission and Fusion; Fission Reactors and Power Generation; Radiation Detection and Measurements; Nuclear Fuels for Power Reactors; Breeder Reactors; Fusion Reactors Technologies; Radioactive waste and Safety measures; Experiments with nuclear radiations; etc. Video presentations to supplement the factual knowledge with the field of work.
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