

**ANFAS Group**

**Scope of Work**

**Radiation Safety and Nuclear Security**

**In the uses of radiation and radioactive materials,  
security, safety, health and the environment**

1. Providing materials, reagents, technologies and devices necessary for radiological and nuclear works, scientific research, environmental control, public safety, health and security services.
2. Radiation protection
3. Personal dosimetry Services
4. Calibration of radiation measuring devices
5. Radiological analysis of environmental, food and water samples, etc.
6. Quality assurance tests for diagnostic radiology devices

7. Nuclear Safety
8. Nuclear Waste Management
9. Management, Transport and Handling of sealed and unsealed Radioactive Sources.
10. Medical Physics
11. Nuclear Medicine and Radiotherapy
12. Nuclear Energy

13. Nuclear Security
14. Management of, and response to, radiation accidents and emergencies.
15. Establishment of institutional radiation emergency plans
16. Assessment of the environmental impact of natural radiation
17. Management of naturally occurring radioactive materials (NORM) in oil and gas production, water desalination, and mining industries, and their treatment and disposal.
18. Training in the fields of radiation uses, radiation protection and nuclear security

19. Security and safety of the dual-use materials, chemical, biological, radiological and nuclear (CBRN).
20. Preparation of transportation plans of hazardous materials, chemical, biological, radiological and nuclear.
21. Emergency response to chemical, biological, radiological and nuclear agents.
22. Uses of radiation in medicine, industry, research and education
23. Artificial intelligence in radiation science and applications and radiation protection.

24. Applied diploma programs in the field of radiation uses, radiation protection and nuclear security
25. Nanoscience and nanotechnology in medical, health and environmental fields and assessing their health and environmental risks.
26. Operating research and teaching laboratories in universities to serve the medical, industrial and research community in the Kingdom.
27. Scientific research, consultations and studies
28. Training of undergraduate and graduate students.