(135-MED-30-01) MEDICAL IMAGING TECHNOLOGY

Significance of Program

Provides a chance for students to build their at national and international level. The professionals perform imaging tests like X-Rays, CT Scan, MRI scan etc on patients

Career Options

A radiographic course that deals with electromagnetic radiations that penetrate into the human body. The students after successful completion of the course have ample job opportunities. They are hired in clinics, hospitals, diagnostic centres, etc.

Program Objectives

- To provide judicious mix of skills relating to a profession and appropriate content of General Education.
- To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.
- To provide flexibility to the students by means of pre-defined entry and multiple exit points.
- To integrate NSQF within the undergraduate level of higher education to enhance employability of the students and meet industry requirements. Such student apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce.
- To provide vertical mobility to students admitted in such vocational courses.

Outcomes of the Program

- Develop the professional's ability to function as an active member of the healthcare team.
- Graduate professionals who demonstrate effective communication skills.
- Graduate professionals who demonstrate critical-thinking and problem-solving skills.

Major Course Outline

I. Human Anatomy & Physiology, Radiology Physics. English
II. General Physics, Radiation Physics & Physics of Diagnostic Radiology Basics of Computer
III. X-Ray Machines & Accessories, Maintenance. Medical Ethics and patient care
IV. X-ray Film / Image processing Techniques (Dark Room Techniques) IInd Year
V. Clinical Radiography-Positioning Principles of Medical Emergencies

VI. Equipments, Techniques of modern Imaging Modalities

VII. Contrast & Special Radiography procedures.

VIII. Quality Control at Radiology & Radiation Safety

Core	Electives	Skill Course
Radiation Physics & Physics of Diagnostic Radiology Basics of Computer Contrast & Special Radiography procedures8 Quality Control at Radiology & Radiation Safety	General Physics English	Principles of Medical Emergencies