

X-Ray technicians form an important part of any healthcare team. They receive instructions from doctors regarding the X-Rays which patients require. They are responsible for getting clear imaging results, which require proper use of the equipment and keeping patients calm as well as informed throughout the X-Ray procedure. Other duties include keeping equipment in good working order, maintaining patient records, and processing the exposed radiographs.

They also use mobile X-Ray equipment to conduct X-Rays in the hospital rooms of patients. They may work in hospitals, medical center's radiology department or in emergency rooms. With higher studies and suitable experience, some X-Ray technicians specialize in areas such as computed tomography (CT) scanning, magnetic resonance imaging (MRI), and mammography.

## Objectives

### After completion of this course, the student will be able to

- Monitor equipment and ensure that they are clean to perform appropriate diagnosis.
- Evaluate all X-Ray films and coordinate with physicians on the same.
- Provide highest quality of patient care.
- Ensure and maintain records of X-Ray films and associate cassettes.
- Assist patients to prepare for X-Ray and operate associate machinery.
- Evaluate angle and range of equipment and assist in appropriate results.



## Course Description

- Anatomy Physiology & Pathology
- Radiological Physics
- Radiographic Imaging
- Principles of Hospital Clinical Practice
- Patient Care in Radiology
- Management of Medical Emergencies
- Radiographic Technique in Routine Procedures
- Radiographic Technique in Special Procedures

## Highlights

- **Theory + Practical** : 600 Hours
- **Hospital Internship** : 1000 Hours
- **Eligibility** : 10+2
- **Duration** : 1600 Hours/12 Months
- **Certification** : VIVO/NSDC