

## Medical Imaging Technology

### Objectives: Medical Imaging Technology student should

- Learn the various aspects of imaging technology: USG, CT, MRI and Dental radiography and Mammography
- Handle and position the sick patient
- Understand the Radiation Protection measures.
- Understand the procedures for dispatch of Films and Reports.
- Perform Quality control procedures
- Effectively use HIS/LIS

### Outcome: After completing three years of Medical Imaging Technology course, the graduate should be able to

- Work efficiently under radiologist with knowledge and practical skills.
- Work efficiently in radiology department in India and abroad
- Work and contribute in NABL accreditation program

### Training provided for the use of

Sl No	Particulars	Model /Sl.No	FIRM / CMC/AMC
<b>STATIC EQUIPMENT</b>			
1	X-Ray -Unit with Bucky table- 800 mA	DIAGNOX 4050IT	MEDTRONIC
2	DR X- ray unit 80kva – 700 mA	DIGITAL DIAGNOST	PHILIPS
3	DR X- ray unit 30kva – 640 mA	ESSENTA DR	PHILIPS
4	X-Ray Digital Fluoroscopy – 640 mA	EASY DIAGNOSTELVA	PHILIPS
5	X-Ray Flat panel DSA 120kva(1000 mA)	AlluraXper FD 10	PHILIPS
6	X-Ray Flat panel DSA 120kva (1000 mA)	Allura FC	PHILIPS
7	X-Ray unit with Bucky table- 300mA	DX-300	WIPRO GE
8	X-Ray unit with Fluoroscopy (IITV) - 600mA	HELIOPHOS-D	SIEMENS
9	Mammography	LILYUM	PHILIPS
10	128 Slice MDCT	INGENUITY 128 SLICE	PHILIPS

11	M.R.I. 3.0 Tesla	INGENIA 3.OT	PHILIPS
<b>PORTABLE X-RAY</b>			
12	X-Ray Portable - 100 ma Unit-Emergency ward / Yellow Zone	DIAGNOX 4003	PHILIPS
13	X-Ray Portable - 100 ma Unit - MICU	DIAGNOX 4003	PHILIPS
14	X-Ray Portable - 100 ma Unit - NICU	DIAGNOX 4003	PHILIPS
15	X-Ray Portable - 100 ma Unit - RICU	DIAGNOX 4003	PHILIPS
16	X-Ray Portable - 100 ma Unit - PICU	DIAGNOX 4003	PHILIPS
17	X-Ray portable – 100mA Unit	SKANRAY230	SKANRAY
18	C arm in OT – 1	MULTIMOBIL -5C	SIEMENS AG
19	C arm in OT – 2	MULTIMOBIL -5C	SIEMENS AG
20	C arm in OT – 3	ALLENTERS – HF-49R	ALLENTERS MEDI
21	C arm in OT – 4	SURGICO-60D HF	PHILIPS
22	C arm in OT – 5	SKAN C	SKAN RAY
23	CR system	CLASSIC CR	CARE STREAM
<b>ULTRA SOUND UNITS</b>			
<b>Sl No</b>	<b>Particulars</b>	<b>Model /Sl.No</b>	<b>FIRM / CMC/AMC</b>
24	Philips HD 11XE (3D) with colordoppler	HD 11XE	PHILIPS
25	Philips HD 11XE (3D) with colordoppler	HD 11XE	PHILIPS
26	Philips IU22 (4D) with colordoppler	IU 22	PHILIPS
27	Philips Clear View 350 Colour Doppler	CLEAR VIEW 350	PHILIPS
28	GE Health Care	LOGIC QP6 – 317348	GE
29	Toshiba Colour Doppler	NEMIO 13	TOSHIBA

## **Internship Training**

**Medical Imaging Technology** students should be able to perform the following:

- a) Patient positioning and sick patient handling
- b) Radiation Protection measures.
- c) Training: USG, CT, MRI and Dental radiography and Mammography
- d) Accounting and storage of films and consumables
- e) Films and Reports Dispatch procedures.
- f) Quality control procedures
- g) Orientation regarding HIS/LIS
- h) Maintenance of log books and registers