

Healthcare

Introduction of the Sector

Health Care comprising of hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical equipment has become one of India's largest sectors – both in terms of revenue and employment. With increased awareness about health, domestic healthcare, medical tourism and health insurance markets are gaining momentum, offering opportunities for trained personnel.

B. Voc. in Medical Imaging Technology

Course Introduction

B. Voc. in Medical Imaging Technology is an undergraduate Medical Lab Technologist course. Medical Imaging is the technique and process of creating visual representations of the Interior of Human Body (i.e. Anatomy) as well as visual representation of the function of some organs or tissues (i.e. Physiology) used for Clinical Analysis and Diagnosis of Medical Intervention.

Eligibility for Admission

The eligibility for admission to B. Voc. in Medical Imaging Technology shall be 10+2 or equivalent, in science stream.

Career Prospects

After completing B. Voc. in Medical Imaging Technology course the student will be able to find jobs in establishments such as Diagnostic Centres, Medical Offices, Educational & Research Institutes, Healthcare Management or Administration, Hospitals and Radiology Clinics.

Semester-wise Listing of Courses

Semester	Subject Code	Subject Name	Credits
I	GE 1.1	Functional English	4
	GE 1.2	Communication Skills - I	4
	GE 1.3	Computing Skills - I	4
	MIT 1	Anatomy and Physiology	2
	MIT 2	Clinical Pathology	2
	MIT 3	Radiation Physics and Image Processing	2

		Techniques	
	MITP 1	Vocational Practical	12
II	GE 2.1	Basics of Economics and Markets	4
	GE 2.2	Environment Sciences	4
	GE 2.3	Ethics and Governance	4
	MIT 4	Radiology: Equipment, Positioning Techniques and Procedures	2
	MIT 5	Contrast Media in Diagnostic Radiology	2
	MIT 6	Radiology : Quality Control and Patient Care	2
	MITP 2	Vocational Practical	12
III	GE 3.1	Communication Skills II	4
	GE 3.2	Financial Literacy	4
	GE 3.3	Basics of Legal and HR Policies	4
	MIT 7	Computed Tomography I	2
	MIT 8	Computed Tomography II	2
	MIT 9	Ultrasound Imaging	2
	MITP 3	Vocational Practical	12
IV	GE 4.1	Computing Skills – II	4
	GE 4.2	Basics of Accounting	4
	GE 4.3	Design Thinking	4
	MIT 10	Computed Tomography III	2
	MIT 11	Mammography, Bone Densitometry and Orthopantomography	2
	MIT 12	MRI Systems and Components	2
	MITP 4	Vocational Practical	12
V	GE 5.1	Digital Literacy	4
	GE 5.2	Health and Wellness	4
	GE 5.3	Personal Grooming	4
	MIT 13	MRI: Physics and Angiography	2
	MIT 14	Protocols in MRI	2
	MIT 15	Recent Advances in MRI Scans	2
	MITP 5	Vocational Practical	12
VI	GE 6.1	Entrepreneurship	4
	GE 6.2	Employment Readiness	4
	GE 6.3	Effective Workplace Skills & Competencies	4
	MIT 16	Effective Administration Skills	2
	MIT 17	Doppler Ultrasound and PET Scan	2
	MIT 18	Interventional Radiology and Radiation	2

		Therapy	
	MITP 6	Vocational Practical	12

Programme fees: Rs. 48,000/-per annum

Examination fees: Rs.1,600/- per semester and Rs.3200 per annum

Caution Deposit (Refundable): Rs.5000

Note: Maharashtra Paramedical Council approval is in process for Healthcare programmes

