

Healthcare

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/Job Roles

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 I		
Subject Code	Subject Name	Credits
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 Techniques	2
MITP 1	Vocational Practical	12

SEMESTER II		
Subject Code	Subject Name	Credits
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

SEMESTER III		
Subject Code	Subject Name	Credits
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

SEMESTER IV		
Subject Code	Subject Name	Credits
GE 4.1	Computing Skills - II	2
GE 4.2	Basics of Accounting	4
GE 4.3	Design Thinking	4
GE 4.4	Organizational Behaviour	2
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

SEMESTER V		
Subject Code	Subject Name	Credits
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

SEMESTER VI		
Subject Code	Subject Name	Credits
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 Therapy	2
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

Convocation Fees: Rs.2000/- (In absentia Rs.2500/-)

Campus Immersion Expenses: (Travel & Logistics for 7-10 days on Campus) are not part of the fee structure and the expenses will have to be met by the students followed by communication.