

(87-MED-02-01) MEDICAL LABORATORY TECHNOLOGY (DMLT)

1. Significance of Program

DMLT is a significant diploma course that prepares individuals for a career in medical laboratory technology. The course curriculum covers essential subjects like clinical biochemistry, hematology, microbiology, immunology, and pathology.

2. Career Options

During the course, students are trained to collect, process, and analyze various types of specimens such as blood, urine, and tissue samples. After completing the DMLT course, students can work as medical laboratory technicians in hospitals, clinics, diagnostic centers, and research laboratories.

3. Program Objectives

- a) Undergo training in all fields of laboratory medicine (Biochemistry, Microbiology, Pathology and Blood bank departments respectively)
- b) Collect and prepare the sample
- c) Handle fully automated analysers
- d) Understand and perform special stains and smears
- e) Understand and perform basic cytology and haematology procedures
- f) Perform grossing, cutting & staining procedures in histopathology
- g) Counsel and screen the Donars and prepare the blood components
- h) Perform Quality control procedures

creating professionals possessing knowledge of the diagnosis, treatment, and prevention of diseases with the help of clinical laboratory tests.

4. Outcomes of the Program

- a) Work efficiently in medical laboratories in India and abroad
- b) Work under different specialities of Laboratory Medicine (Biochemistry, Microbiology, Pathology and Blood bank departments respectively)
- c) Work and contribute in NABL accreditation program.

5. Major Course Outline

- Pathology,
- Microbiology,
- Immunology,

- Biochemistry and
- Pharmacology

Core	Electives	Skill Course
<ul style="list-style-type: none"> • Pathology • Microbiology • Biochemistry 	<ul style="list-style-type: none"> • Clinical Haematology • Immunology 	<ul style="list-style-type: none"> • Infection control