

B.Sc. Medical Laboratory Technology (MLT): An Essential Pillar of Healthcare

Program Highlights: Medical Laboratory Technology (MLT) is a vital field in the healthcare industry. It involves the use of advanced scientific techniques and technology to conduct laboratory tests on patient samples, helping to diagnose, monitor, and prevent diseases. The role of MLT professionals is critical in providing healthcare providers with accurate data for effective treatment and patient care.

At our college, we are proud to offer cutting-edge programs in Medical Laboratory Technology, preparing students for a rewarding career in one of the most dynamic and impactful fields in healthcare.



Program Overview:

Eligibility- 12th Science

Intake Capacity- 30

Duration- 3 Years (Six Semester)

Admission start Date- First week of June

Program Content- Core Areas of Medical Laboratory Technology:

1. **Clinical Chemistry**
Focuses on analyzing bodily fluids to detect metabolic conditions, such as diabetes and kidney disease.
2. **Microbiology**
involves identifying pathogens like bacteria, viruses, and fungi that cause infections.
3. **Hematology**
Studies blood and blood-forming tissues, diagnosing conditions like anemia and blood cancers.
4. **Immunology**
examines the immune system, identifying autoimmune diseases and infections.

5. **Blood Banking**

Ensures safe blood donation and compatibility for transfusions.

6. **Histopathology**

involves the microscopic examination of tissues to detect diseases such as cancer.

As anyone who seeks admission in this program comes from non-healthcare background, the course starts with the Foundation Course which is more like a platform setting to make learner understand the topicalities and Dos and Don'ts of Healthcare Organizations.

Industry interface is divided into 3 phases of learning as –

•**Observership** – Objective is to see what is being taught in the class room through clinical sessions on the subject.

•**On The Job Training** – Objective is to learn the job skills by working with someone.

•**Internship** – Working independently, but under supervision as per defined job role.

Considering that the program needs to empower job readiness of learners, a lot of focus is kept in active engaging Life Skills workshops. These cover topics like Self Awareness, Objective setting, Team Work, Leadership Development, Time Management, Communication Skills, Interpersonal abilities etc.

Career Opportunities in Medical Laboratory Technology:

Graduates with a B.Sc. in Medical Laboratory Technology can pursue a variety of rewarding career paths, including:

- **Medical Laboratory Technologist**
- **Laboratory Manager**
- **Quality Control Specialist**
- **Research Scientist**
- **Public Health Specialist**
- **Educator in Medical Laboratory Programs**
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Why Choose Our B.Sc. MLT Program?

Our B.Sc. in Medical Laboratory Technology is designed to provide students with comprehensive theoretical knowledge and practical skills. Through state-of-the-art labs, clinical training, and expert faculty guidance, students are prepared to become leaders in the field of laboratory diagnostics and healthcare.

For More Information, please contact

Dr.Ashwini Pande- 9619231936

