



B.Sc in MEDICAL LABORATORY TECHNOLOGY

TRANSFORM LAB SCIENCE INTO
LIFESAVING SOLUTIONS

4-Year
Undergraduate
Degree Course on
Medical Laboratory
Technology at
iLEAD, affiliated
with MAKAUT



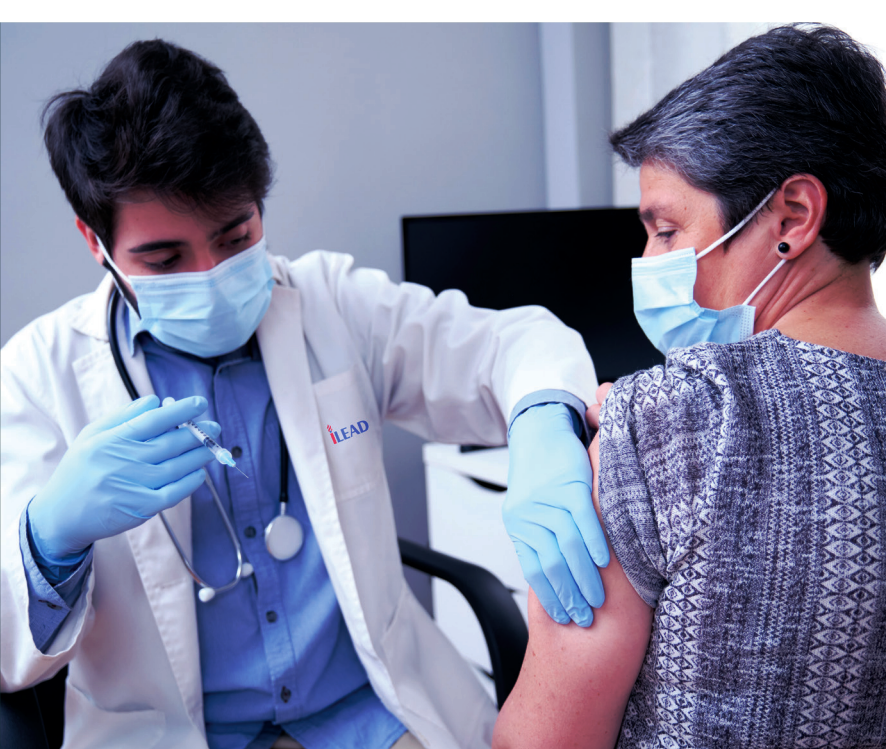
Empower Healthcare with Your Skills and Dedication

The Medical Laboratory Technology profession is witnessing a significant rise in demand globally. According to the U.S. Bureau of Labor Statistics, the field is projected to grow by 7% from 2022 to 2032, faster than the average for all occupations. This growth is driven by the increasing need for accurate diagnostics, which is essential for effective patient treatment and care. The Indian healthcare sector is one of the fastest-growing industries, with projections indicating it will reach \$638 billion by 2025. The diagnostics market, in particular, is expanding rapidly, with a CAGR of 12.5% from 2022 to 2027, reflecting the critical role of diagnostic services in healthcare delivery.

The COVID-19 pandemic highlighted the indispensable role of MLT in public health. By mid-2023, India had conducted over 1.2 billion COVID-19 tests, showcasing the scalability and importance of diagnostic infrastructure. MLT not only enhances the quality of healthcare but also supports early disease detection, contributing to universal health coverage. This is particularly vital in addressing the urban-rural healthcare divide for India's 1.4 billion population.

At the iLEAD School of Science and Technology, students are equipped with the knowledge and skills to excel in this dynamic field. The program offers hands-on training in diagnostics, laboratory analysis, and management, preparing graduates to meet the evolving demands of the healthcare industry.





Areas Where You Can Find Job

- Hospitals and Diagnostic Centers
- Research Institutions
- Public Health Organizations
- Embryologist and stem cell bank technician
- Educational Institutions
- Forensic Science Labs
- Veterinary Diagnostics
- Food and Agriculture Industry
- Cosmetic and Pharmaceutical Industries
- Entrepreneurship (Private Labs, Consultancy)

Why B.Sc in Medical Lab Technology?

- The diagnostics market in India is expected to reach \$20 billion by 2026.
- The Indian government has launched initiatives like the PM Ayushman Bharat Health Infrastructure Mission (PM-ABHIM) with an allocation of ₹64,180 crore (approximately \$7.7 billion) to strengthen diagnostic infrastructure, including labs and testing facilities.
- The medical devices market is expected to reach \$657.98 billion by 2028 globally.
- By 2025, the healthcare market in India is projected to reach \$50 billion.

Highlights from the Course

- Fundamentals of Anatomy and Physiology
- General Bacteriology & Parasitology
- Virology and Mycology
- Clinical Microbiology
- Immunology and Serology
- General Biochemistry
- Clinical Biochemistry
- Clinical Haematology
- Clinical Pathology
- Cytopathology & Cytotechniques
- Diagnostic Histopathology
- Immunohematology and Blood Banking
- Clinical Endocrinology & Toxicology
- Clinical Enzymology and Automation
- Clinical Nutrition
- Advanced Diagnostic Techniques
- Diagnostic Molecular Biology

LABORATORY EQUIPMENTS & FACILITIES



CENTRIFUGE



COLORIMETER TEST



AUTOCLAVE



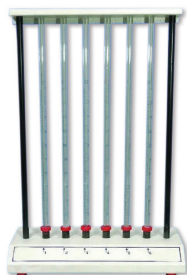
INCUBATOR



MICROTOME



MICROSCOPE



ESR STAND



LAMINAR-AIR-FLOW



SEMI-AUTOMATED BIOCHEMISTRY ANALYZER





Workshop on Commercialization of Laboratory Technologies



Visit to Kolkata Heart Lung Center



Visit to B, P, Poddar Hospital



Visit to Charring Cross Nursing Home



Health Camp, 2024

Advantages of Studying at iLEAD

- Winner of **HRD India Awards 2023** in association with the **Economic Times** for **excellence in Academia**
- Recognized with the **"Gold"** position under the excellence category in **'Green Tech Sustainable Practices'** at the **Economic Times TechEdu India Awards 2024**
- Best Entrepreneurship Development Program Institute at the **Sankalp Education Awards 2019**
- iLEAD has been honoured with the prestigious **Stanford Seed Transformation Program Certificate in 2024**
- For Medical Laboratory Technology, our association with Disa Diagnostic will provide students with great practical exposure to present-day equipment and practices
- Industry expert mentors and faculties
- A Modern and Fully Equipped Laboratory
- Hands-on practical experiences of working on real projects
- Strong industry connections, support and partnerships
- iLEAD's collaboration with 16+ foreign universities exposes students to the global industry culture
- 1,20,000+ popular, rare and unique books in the library, 20+ journals and periodicals.
- Around 5000+ audio-visual connections and a huge digital library
- Opportunities for internship and networking
- Merite-based scholarship
- Live project and industry exposure
- 100% placements

Stanford Seed

iLEAD has successfully completed the 11-month Stanford Seed Transformation Program and is now a certified Seed Company.



Career Prospects

- Lab Technologist
- Laboratory Assistant
- QC & QA Analyst
- Lab Supervisor
- R&D Lab Assistant
- Lab Instructor
- Phlebotomist
- Junior Technical Executive and more

Note: You may also start your own lab consultancy service or diagnostic centre and become an entrepreneur after the completion of the course.

Placements and Internships

iLEAD with more than a decade of journey in education has set up a legacy of good placement history. The best of companies have participated in our on/off campus placement, offering excellent career opportunities to iLEAD students.

iLEAD also provides pre-placement training programs and internships.



HRD India Awards

iLEAD received the 'Excellence in Academia' Award in HRD India Awards 2023 in association with The Economic Times



Draupnir Capital Incubation Centre at iLEAD

Draupnir Capital Incubation Centre has introduced the Seed Spark in collaboration with Stanford Seed for entrepreneurs in the early traction stage.

Draupnir Capital Incubation Centre at iLEAD: iLEAD, in partnership with Draupnir Capital, launched the Draupnir Capital Incubation Centre to uplift iLEAD students, graduates, and alumni with resources, capital, and guidance. With support from the State Bank of India, this initiative is dedicated to empowering young startups and transforming the entrepreneurial landscape.

Seed Spark Program by Stanford Seed: Unlock your startup's potential with Stanford Seed's comprehensive five-month online entrepreneurship program. Designed to empower budding entrepreneurs, the program offers an approach to refining business strategies and igniting innovation for exceptional growth.

Shape your journey toward business brilliance with the Stanford Seed Spark program and fuel your startup's success.

Eligibility

- Minimum 50% or above marks in Higher Secondary or equivalent examination (CBSE, ISC, A Levels or any other equivalent Board examination) with English as a compulsory subject are preferred.
- Students will have to appear for GD and PI at iLEAD. However, they will get admission on clearance of the CET Examination conducted by MAKAUT. Also, all the Academic Credentials of the students need to be approved by the University.

Key Partners



Admission Procedure

Candidates are to apply directly on college website (www.ilead.net.in) by online process for admission or visit the college premise.

Scholarships You Can Avail

Merit-Based Scholarship Available*

For more details, contact our counselors at **+91 91631 22222**

Educational Loan Partner

HDFC | SBI



**Conditions Applied*

Global Connect

iLEAD has collaborations with 16+ international universities including the Colvin Institute of Real Estate Development, USA. We have signed MOUs (Memorandums of Understanding) with numerous institutes and universities from around the world. The MOU aims at international projects and exchange of students, faculty, scholars and resource sharing programs based on the principles of equality and reciprocity, fairness and voluntariness.



About iLEAD

The Institute of Leadership, Entrepreneurship and Development (iLEAD) is a world-class premier institute based in Kolkata. We offer degree courses in media, management, design, technology, allied health, tourism and other professional studies both at the undergraduate and postgraduate levels under the iLEAD School of Business, iLEAD School of Creativity and iLEAD School of Science and Technology. iLEAD got honored with the prestigious Stanford Seed Transformation Program Certificate. iLEAD is conferred the award for Excellent Leadership – Graphic & Animation Design School (Silver Category) at the Edutainment Awards 2024 and recognized with the 'gold' position under the category of 'Excellence in Green Tech Sustainable Practices' at the Economic Times TechEdu India Awards 2024.

iLEAD is also recognized with Excellence in Academia Award in HRD India Awards 2023 in association with The Economic Times and awarded with the Best Media and Mass Communication Institute at Gurukul Awards 2023. We are rated as the 4th Best Media School in India by KPMG, recognized by the ASSOCHAM Education Excellence Awards for endeavor to become visible in certain SAARC countries, adjudged College of The Year in t2 Festopolis, the Best Co-Curricular Activity College at Gurukul Awards, and the Best Entrepreneurship Development Program Institute at the Sankalp Education Awards.

iLEAD is affiliated to Maulana Abul Kalam Azad University of Technology with 16+ international university collaborations.

Life at iLEAD



Annual Awards 2024



Convocation 2024



Jashn-E-Roshan 2024



Football Tournament 2024



Cricket Tournament



Fitness Event



Farewell 2024



Flashmob by iLEAD Students



Managedia 2024



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