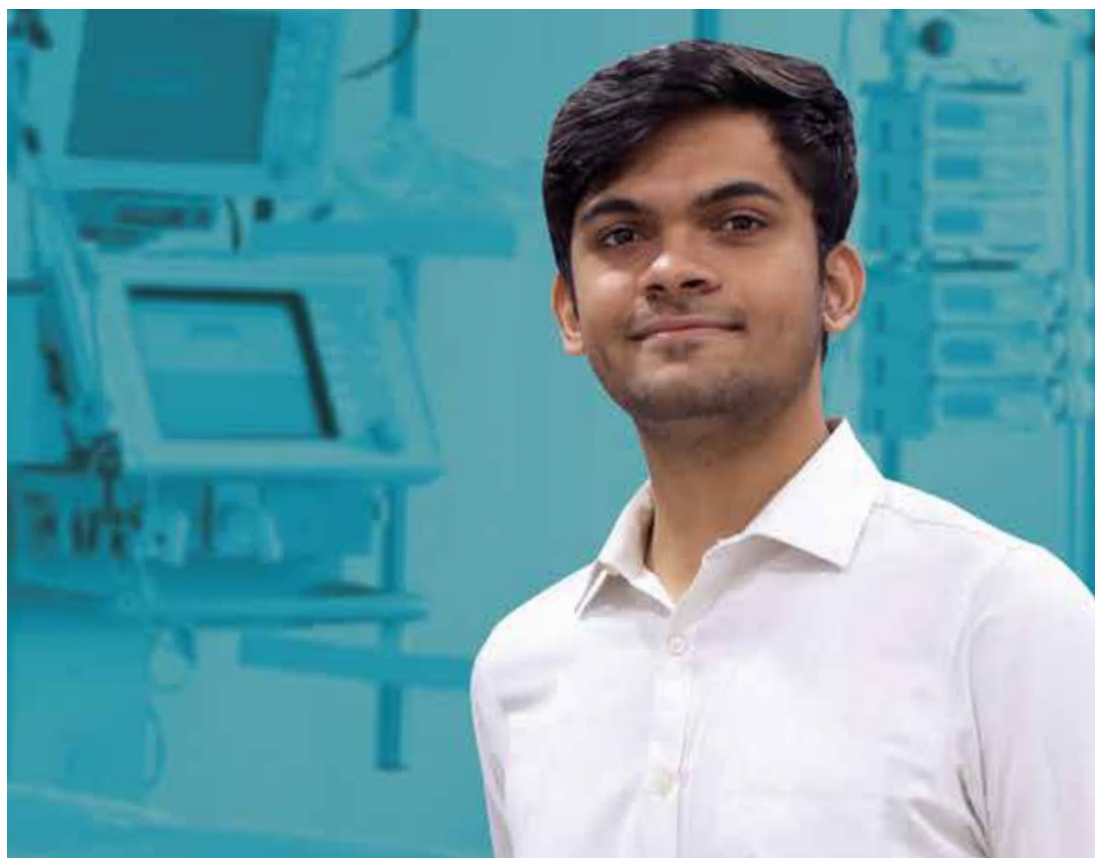




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Affiliated to
MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL



B.Sc in

CRITICAL CARE TECHNOLOGY

4-year Undergraduate Degree course from iLEAD under MAKAUT

B.Sc in

MEDICAL LAB TECHNOLOGY

4-year Undergraduate Degree course from iLEAD in association
with RB Diagnostic under MAKAUT



B.Sc in Critical Care Technology

Critical care technologists play a major role in the care of critically injured or ill patients. They operate the medical equipment that are essential to keep a patient stable at a critical condition. They observe and record the readings from the connected equipment and provide the same to doctors for treatment of the patients. They are the emergency care providers in hospitals and take up decisive roles in times of emergencies.

During Covid-19, critical care technologists all over the world, played a very significant role in reviving patients suffering in the ICUs. And now, with the growing population, patients requiring such care is growing in numbers. Hospitals are more in need of critical care technicians.

At the iLEAD School of Science and Technology, students delve into advanced techniques in critical care technology, mastering life-saving procedures and medical interventions.

Our UG degree course of B.Sc in Critical Care Technology provides students with practical exposure and learning in the field of critical care.





Areas where you can find jobs

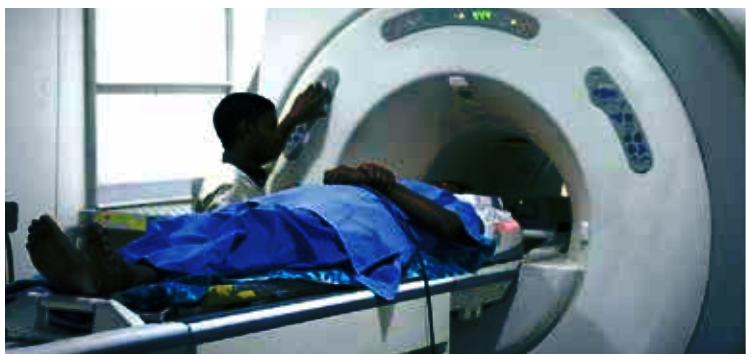
- Critical Care Unit
- Cardiac Unit
- Dialysis Unit
- Accident and Emergency Unit
- Operation Theatre
- Anaesthesia Department
- Critical Care Ambulance and more

Why Critical Care Technology?

- 80% of the total Indian healthcare market belongs to the hospital sector
- The medical devices industry in India is poised for significant growth with the market size expected to reach \$50 billion by 2025
- The global critical care device market size is above \$32.2 billion
- By 2030, the global critical care nutrition market is expected to reach \$19.23 billion
- As per FICCI, Indian Healthcare sector would create almost 4 crore jobs by 2025

Highlights from the Course

- Anatomy
- Physiology
- Fundamentals of Biochemistry
- Pathology
- Microbiology
- Pharmacology
- Fundamentals of Bio-Physics
- ICU Therapy
- CSSD Procedure
- Laboratory Science
- Equipment Maintenance & Trouble Shooting
- Cellular Biophysics
- Biochemical Technique
- Ophthalmology & ENT
- Gynaecology & Obstetrics
- Clinical Manifestation of Paediatrics



B.Sc in Medical Lab Technology

The Medical Technologist profession is witnessing a rise in demand. As per the Bureau of Labor Statistics, it is estimated to have an 18% growth by the year 2024. A correct diagnosis is the first step that will lead patients towards effective treatment. The medical technologists are an integral part of the medical profession and get involved to aid correct diagnosis that leads to an effective treatment.

At the iLEAD School of Science and Technology, students explore the intricacies of medical lab technology, honing skills in diagnostics, analysis, and laboratory management.

Why B.Sc in Medical Lab Technology?

- Diagnostics market in India is expected to reach \$20 billion by 2026
- The GOI has plans to introduce a credit incentive program worth Rs 500 billion to boost India's healthcare infrastructure
- 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
- Basics of Human Anatomy
- General Microbiology & Parasitology
- Virology and Mycology
- General Biochemistry
- Clinical Haematology
- Clinical Microbiology
- Immunology and Serology
- Histotechnique
- Clinical Biochemistry
- Immuno-hematology and blood banking
- Clinical Pathology
- Clinical Endocrinology & Toxicology
- Diagnostic Molecular Biology
- Clinical Nutrition
- Clinical Enzymology and Automation
- Diagnostic Histopathology
- Cytopathology Techniques and Cytogenetics
- Advanced Diagnostic Techniques

Industrial Visits



Visit to Peerless Hospital



Visit to Drs. Tribedi & Roy Diagnostic Lab



Visit to Medica Super Speciality Hospital



Visit to SP Diagnostics

Advantages of Studying at iLEAD

- Winner of HRD India Awards 2023 in association with The Economic Times for Excellence in Academia
- **Best Entrepreneurship Development Program Institute** at the Sankalp Education Awards 2019
- For Medical Lab Technology, our association with **RB Diagnostic** will provide students with great practical exposure to present-day equipment and practices
- Industry experts as guest and adjunct faculty
- Hands on practical experience of working in real projects
- iLEAD's collaboration with 16+ foreign universities expose students to the global industry culture
- Students will be provided with **100 hours** of exclusive job-oriented practical training in the industry. **50 hours** of the program will include **Personality Development classes & any one short-term course on either Event Management, Photography, Digital Marketing, Editing, Design and one Foreign Language course FREE OF COST (Beginners Level Only)**. And another **50 hours** to include **industry oriented training program** in order to make students job ready
- 1,20,000+ popular, rare and unique books in the library, 20+ journals and periodicals
- Around 5,000 audio visual content and very large digital library
- Guidance to start-up funding is available for your own startup from iLEAD after finishing the course
- Opportunities for internships and networking
- Merit-Based Scholarships
- 'Earn While You Learn' opportunities
- 100% placement assistance

Career Prospects

- Pathology Technicians
- Lab Assistant
- Lab Analyst
- Lab Supervisors
- R&D Lab Assistant

- Lab Instructor
- 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.



Draupnir Capital Incubation Centre at iLEAD

iLEAD has partnered with Draupnir Capital, (a premier private equity advisory firm dedicated to empowering young startups), to launch the Draupnir Capital Incubation Centre at iLEAD.

Draupnir Capital Incubation Centre at iLEAD is exclusively focused on our very own iLEAD students, graduates and alumni, ensuring they receive unparalleled support – be it resources, capital, intellectual property, or administrative guidance.

We've also joined forces with the State Bank of India, amplifying the support network for our budding visionaries. This strategic alliance among iLEAD, Draupnir Capital and the State Bank of India promises a transformative impact on the entrepreneurial landscape.

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.

Key Partners



RB Diagnostic



Care Sure Diagnostic Centre



Rameswara Nursing Home



Ruby General Hospital



Reliable Diagnostic



IRIS Multi Speciality Hospital



Millennium Health Care



Rajarhat Institute of Neuro Sciences



HRD India Awards

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

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 only. Also, all the Academic Credentials of the students need to be approved by the University.

Admission Procedure

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

Fee Structure

Registration Amount: ₹ 50,000

Semester	Semester Fees
First	₹ 79,585 (Admission fees & 1st Semester Fee)
Second	₹ 33,083
Third	₹ 33,083
Fourth	₹ 33,083
Fifth	₹ 33,083
Sixth	₹ 33,083
Seventh	₹ 33,083
Eighth	₹ 33,083
TOTAL FEES:	₹ 3,61,166

Scholarships you can Avail

Merit Based Scholarship Available

For more details, contact our counselors at **9163155555**

Educational Loan Partner

HDFC | SBI



Faculty



Mr. Pradip Chopra
Chairman



Dr. Soumen Chatterjee
Principal



Dr. Arijit Chatterjee
HOD



Mr. Sujoy Tontubay
Faculty



Ms. Upama Biswas
Faculty



Mr. Khurshid Alam Lasker
Faculty



Ms. Sayantika Mondal
Faculty

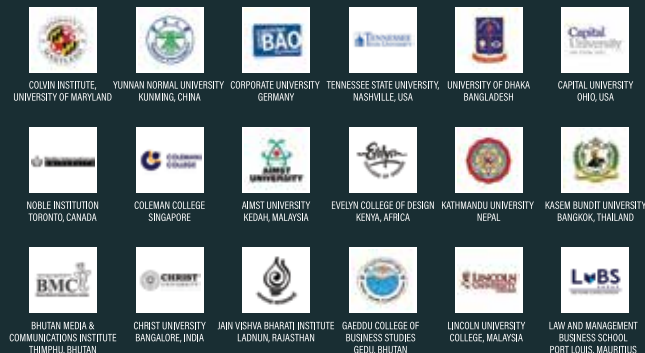
About RB Diagnostic



RB Diagnostic is a NABL accredited laboratory. Dr. J.P. Agarwal (a pioneer with over 4.5 decades of medicine practice) and Mr. Kamal Goenka (one of the city's renowned business man for over 3 decades) founded R.B. Diagnostic on the 27th February 2011. After 11 years and 13 centres, RB Diagnostic is the fastest growing diagnostic chain of Eastern India.

Global Connect

iLEAD has collaborations with 18 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

iLEAD (Institute of Leadership, Entrepreneurship and Development), is a Kolkata based world-class premier institute. 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 was recognised with Excellence in Academia Award in HRD India Awards 2023 in association with The Economic Times. It was also awarded with the Best Media and Mass Communication Institute at Gurukul Awards 2023, 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 Best Entrepreneurship Development Program Institute at the Sankalp Education Awards. iLEAD is affiliated to Maulana Abul Kalam Azad University of Technology with 18 international university collaborations.

Life at iLEAD



Annual Awards 2023



Convocation Ceremony 2023



Diwali



Sports Event at Managedia



Cricket Tournament



Fitness Event



Farewell 2023



Flashmob by iLEAD Students



Cultural Program at Managedia

