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**B.Sc in**

## **MEDICAL INSTRUMENTATION & CRITICAL CARE TECHNOLOGY**

3-year under graduate degree course from iLEAD under MAKAUT

**B.Sc in**

## **MEDICAL LAB TECHNOLOGY**

3-year under graduate degree course from iLEAD in association  
with RB Diagnostic under MAKAUT



## B.Sc in Medical Instrumentation and 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 number. Hospitals are more in need of critical care technicians.

Our undergraduate degree course of B.Sc in Medical Instrumentation and Critical Care Technology provide students with practical exposure and learning in the field of critical care.







## Areas where you can find jobs

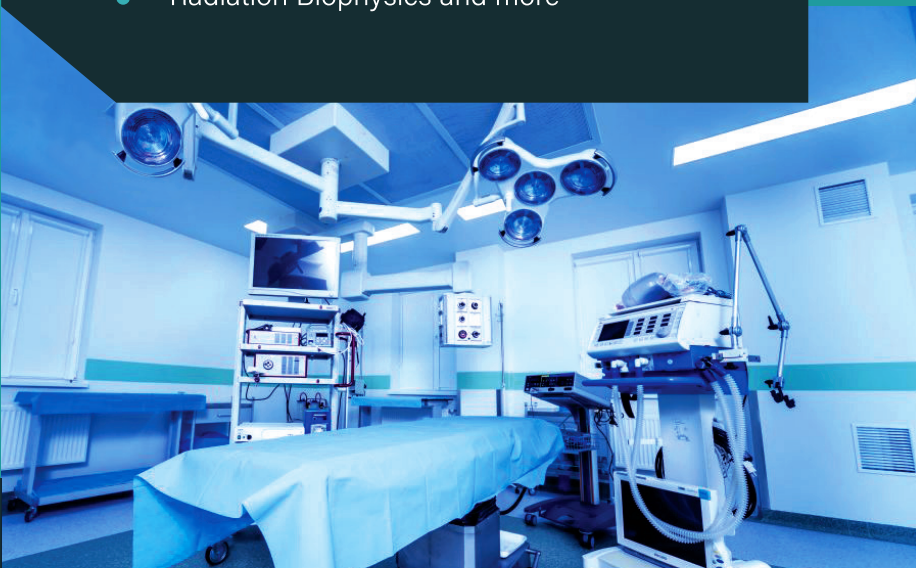
- Critical Care Unit
- Cardiac Unit
- Dialysis Unit
- Accident and Emergency Unit
- Operation Theatre
- Anaesthesia Department
- Critical Care Ambulance and more

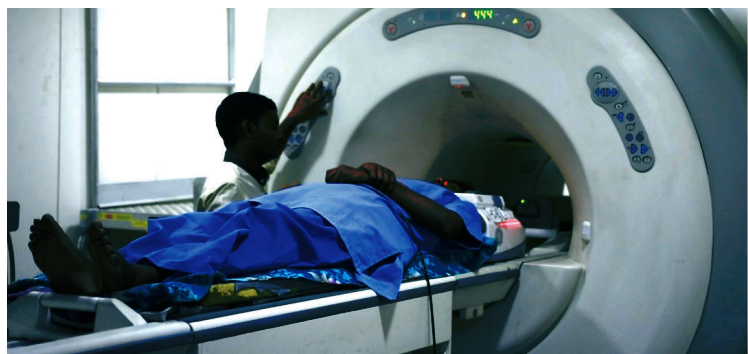
## Why B.Sc in Medical Instrumentation and Critical Care Technology?

- 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 \$19,238 million
- As per FICCI, Indian Healthcare sector would create almost 4 crore jobs by 2025

## Highlights from the Course

- Anatomy
- Physiology
- Fundamentals of Electricals and Electronics
- Biomedical Instrumentation
- ICU Therapy
- Clinical Pharmacology
- CSSD Procedures
- Cellular Biophysics
- Procedural Skills in Critical Care
- Equipment Maintenance & Troubleshooting
- Radiation Biophysics and more





## 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% higher growth by the year 2024. A correct diagnosis is the first step that will lead patients towards effective treatment. Doctors refer the patients to medical labs so that they get tested and correct diagnosis can be made. The medical technologists are an integral part of the medical profession and get involved in practical and technical work to aid correct diagnosis and helps an effective treatment direction for the doctors.

## 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 USD 50 billion
- The medical devices industry in India is expected to reach \$50 billion by 2025



## Highlights from the course

- Human Anatomy
- Human Physiology
- Pathology
- Haematology
- Biochemistry
- Microbiology
- Immunology
- Clinical Enzymology
- Parasitology and Virology
- Clinical Endocrinology and Toxicology
- Diagnostic Molecular Biology





FOUNTAINHEAD : Library with over 120,000 Books



EXPLORER'S WORLD : Digital Library



SPORTS COMPLEX



I FEEL FITNESS : Gym

## Advantages of studying at iLEAD

- **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 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
- **100 hours** of exclusive job oriented practical training in the industry for the students will be provided. **50 hours** of the program will include **Personality Development classes & any one short-term course on either Event Management, Photography, Digital Marketing, Design, Editing and one Foreign Language FREE OF COST (Beginners Level Only)**. And another **50 hours** to include **industry oriented training program** in order to make students job ready. The training will include internships, field trips and more
- 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
- Opportunities for internships and networking
- Merit Based Scholarships
- Earn While You Learn opportunities
- Live projects and industry exposure
- 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.

## 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 has participated in on/off campus placement, offering excellent career opportunities to iLEAD students.

iLEAD also provides pre placement training programmes so that our students can achieve their aim easily. iLEAD offers exclusive internship programs for the students while they are pursuing the course. We believe that these internship programs also attract an overwhelming response from the corporate world.

## Global Connect

iLEAD has collaborations with 16+ international universities including the Colvin Institute of Real Estate Development, USA. We have signed MOUs (Memorandum 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.



COLVIN INSTITUTE,  
UNIVERSITY OF MARYLAND



YUNNAN NORMAL UNIVERSITY  
KUNMING, CHINA



CORPORATE UNIVERSITY  
GERMANY



TENNESSEE STATE UNIVERSITY,  
NASHVILLE, USA



UNIVERSITY OF DHAKA  
BANGLADESH



CAPITAL UNIVERSITY  
OHIO, USA



NOBLE INSTITUTION  
TORONTO, CANADA



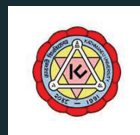
COLEMAN COLLEGE  
SINGAPORE



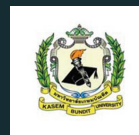
AIMST UNIVERSITY  
KEDAH, MALAYSIA



EVELYN COLLEGE OF DESIGN  
KENYA, AFRICA



KATHMANDU UNIVERSITY  
NEPAL



KASEM BUNDIR UNIVERSITY  
BANGKOK, THAILAND



BHUTAN MEDIA &  
COMMUNICATIONS INSTITUTE  
THIMPHU, BHUTAN



CHRIST UNIVERSITY  
BANGALORE, INDIA



JAIN VISHVA BHARATI INSTITUTE  
LADNUN, RAJASTHAN



GAEDDU COLLEGE OF  
BUSINESS STUDIES  
GEDU, BHUTAN



LINCOLN UNIVERSITY  
COLLEGE, MALAYSIA



LAW AND MANAGEMENT  
BUSINESS SCHOOL  
PORT LOUIS, MAURITIUS



## Eligibility

- Minimum 50% marks or above 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 who are due to appear for Class XII final exams/awaiting results may be given provisional admission depending on their Group Discussion and Personal Interview Scores.

## Admission Procedure

Candidates are to apply directly on college website ([www.ilead.net.in](http://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
<b>TOTAL FEES:</b>	<b>₹ 2,95,000</b>

## Scholarships You can Avail

### Merit Based Scholarship Available

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

## EMI Facility

### For New Students

**10 EMIs @ 3.65% Interest | 8 EMIs @ 3% Interest | 6 EMIs @ 2.5% Interest**

Educational Loan Partner

**HDFC and IDFC First Bank**

## Faculty



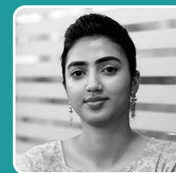
Mr. Pradip Chopra  
Chairman



Dr. Soumen Chatterjee  
Principal



Mr. Sujoy Tontubay  
Faculty



Ms. Khushboo Shah  
Faculty



Ms. Pallabi Sen  
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 East India.

## About iLEAD

The Institute of Leadership, Entrepreneurship and Development (iLEAD) is rated as the 4th Best Media School in the country by KPMG, adjudged College of The Year in t2 Festopolis 2017, the Best Co Curricular Activity College at Gurukul Awards 2017, Best Entrepreneurship Development Program Institute at the Sankalp Education Awards 2019. iLEAD is affiliated to Maulana Abul Kalam Azad University of Technology. It also has collaborations with 16+ international universities. We offer degree courses in media, management, design, technology, allied health and other professional studies both at the undergraduate and postgraduate levels.

## Life at iLEAD



Annual Awards



Convocation Ceremony



Dandiya Night 2023



Sports Event at Managedia



Cricket Tournament 2023



Fitness Event 2023



Farewell



Flashmob by iLEAD Students



Cultural Program at Managedia



113J, Matheswartola Road, Topsia  
Near Vishwakarma Building, Kolkata 700046  
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E : [info@ilead.net.in](mailto:info@ilead.net.in) W : [www.ilead.net.in](http://www.ilead.net.in)