



**PG DIPLOMA IN CLINICAL ANALYSIS  
(DCA) (Medical Lab Technology)**



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***Preamble***

A student graduating from a university armed with a BSc in various sciences often wonders in which direction he or she is to head. An MSc? Then what?

But armed with a **PG Diploma in Clinical Analysis (Medical Lab Technology)**, a whole new world opens up to him/her. She/He could be a Bench technologist at a reputed Clinical lab or Hospital lab, a Research and Development lab, a Diagnostic House as a Sales and Application specialist, or a Management trainee.

**GARWARE Institute of CAREER Education and Development (GICED) through University of Mumbai and Sophia College now offer you that chance to make your career in Medical Lab Technology.**

***Who is a Medical Lab Technologist?***

She/He is the practical arm of the Pathologist. Every laboratory and Pathologist needs the Medical Technologist to run their laboratory.

Clinical pathology has evolved at a mind boggling rate in the last century. The automation is astounding, the technology cutting edge. Right from Blood Collection to processing to running these automated machines is a challenge. They need trained personnel.

Not only do they need trained personnel they need personnel who can interpret a result if needed, and also make sure the machine is properly calibrated to do the work.

This science is so precise and accurate that one wrong result can affect a patient's life.

Every body fluid from blood, to urine, to faeces and other fluids like CSF, pleural, semen analysis are taught and analysed. It's a fascinating science saving millions of lives today.

Therefore through the DCA (**Medical Lab Technology**) course we teach

Cytology,

Histopathology,  
Molecular diagnostics,  
Immunology,  
Bacteriology,  
Immunochemistry.  
Haematology and  
Biochemistry in detail.

Emphasis is also laid on

Ethics,  
Quality Control,  
Quality Assurance,  
Statistics,  
And English language.  
Internal Clinical Rotations  
External Internship

There is equal emphasis on Practicals. A journal has to be maintained and use of computer is encouraged. All students are free to use Laptop with printer and internet provided in the laboratory in order to prepare seminars and assignments that they are required to present in class. They also have access to our campus libraries.

### **Our Infrastructure is one of the best in Mumbai.**

The DCA laboratory measures about 320 sq feet and also has 120 sq feet air-conditioned cabin as office with the student lab. We also have an air conditioned Microbiology laboratory that measures about 1000 sq feet. The DCA course runs under the aegis of the Microbiology Department of Sophia College.

We have a huge, beautifully equipped library and an equally large computer laboratory on campus.

The course is conducted by Staff with expertise in the subject with years of experience.

We organize a **CME (Continuing Medical Education)** every year. This is a very popular one credit workshop in which over 200 medical lab technologists and students from Mumbai and other cities participate. Leading diagnostic houses and companies put up their stalls showing latest equipment in testing.

**This is a recognised 16<sup>th</sup> year armed with sufficient credits to go abroad for a Masters or even a PhD program. The sky is the limit! This is a 60 credit programme.**

**DCA is OPEN TO MEN AND WOMEN**

**COURSE DETAILS**

<b>Title of the Course</b>	<b>PG Diploma in Clinical Analysis (DCA) (Medical Lab Technology) Recognized by GICED, University of Mumbai.</b>
<b>Duration</b>	<b>One year (3 semesters)</b>
<b>Total Capacity</b>	<b>18 students, open to Men and Women</b>
<b>Eligibility</b>	<b>BSc/MSc with Microbiology, Biochemistry, Life Sciences or Zoology</b>
<b>Fees</b>	<b>As set by GICED and Mumbai University</b>
<b>Application process</b>	<b>Starts after declaration of TYBSc results, Forms can be collected from college office between 10 am to 12pm or department of Microbiology between 10 am to 3 pm on all working days.</b>

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## **PG Certificate Course in in Laboratory Management (CLM)**

### ***Preamble***

Laboratory Management has become an integral part of a Medical Technologist's life, as Accreditation is now more or less compulsory in most laboratories. The need of the hour are trained Laboratory Managers with skills in Management that range from Accreditation, Quality Control, Quality Assurance, Statistics. Audits and various documentation right from writing the Quality Manual, Quality Procedure manual, SOPs just to mention a few.

Keeping this in mind, we at Sophia College have introduced a Certificate course in Laboratory Management (CLM).

This course is recognized by the University of Mumbai through **Garware Institute of CAREER Education and Development (GICED)**.

**CLM is open to practising Medical Technologist from any laboratory** and is aimed at giving a recognition beyond compare in any field of Medicine be it Clinical laboratories, R and D of Diagnostic companies, and their Sales and Management divisions.

The course is conducted by Staff with expertise in the subject with years of experience, many of which are managers in reputed diagnostic houses. The course is conducted in the DCA laboratory.

Completion of this certificate course ensures a medical technologist a boost in salary and self-esteem, ensuring a good future. This is a 11 credit programme.

#### **COURSE DETAILS**

<b>Title of the Course</b>	<b>PG Certificate Course in Laboratory Management (CLM) Recognized by University of Mumbai through GICED.</b>
<b>Duration</b>	<b>Six months, three days in a week, 6.30 to 8.30 pm</b>
<b>Total Capacity</b>	<b>18 students, open to Men and Women</b>
<b>Eligibility</b>	<b>Practising Medical Technologist from any laboratory.</b>
<b>Fees</b>	<b>As set by GICED and Mumbai University</b>
<b>Application process</b>	<b>Starts in September each year, Forms can be collected from college office between 10 am to 12pm or department of Microbiology between 10 am to 3 pm on all working days in the month of August.</b>