



## DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (DMLT)

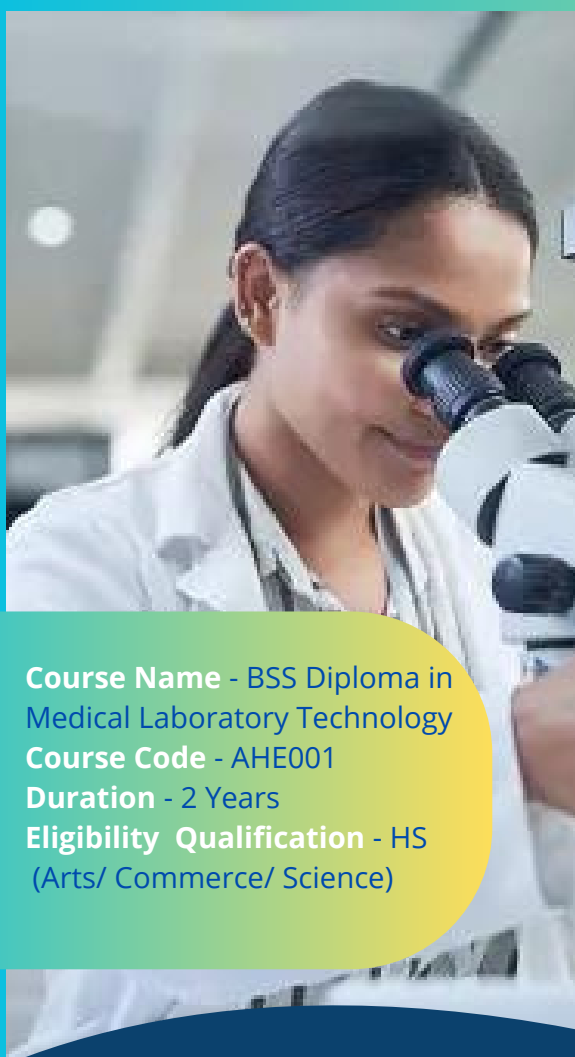
### ABOUT THE COURSE

Medical Laboratory Technology is an Allied Health specialty concerned with the diagnosis, treatment and prevention of diseases through the use of clinical laboratory tests. Though the Medical Lab technologists spend less time with patients than doctors and nurses, medical laboratory professionals are just as dedicated to patient's health. As vital members of the health care team, medical laboratory professionals play a critical role in collecting the information needed to give the best care to an ill or injured patient. The fact is that the practice of modern medicine would be impossible without the tests performed in the laboratory.

Medical laboratory professionals have unlimited choices of practice settings. Hospitals, clinics, nursing homes, public health facilities, and commercial laboratories all have positions open right now for qualified laboratory professionals. In these settings, communication and research skills are highly valued. Employment of clinical laboratory workers is expected to grow as the volume of laboratory tests increases with population growth and the development of new types of tests.

### SYLLABUS FOR 1ST YEAR

SUBJECT CODE	SUBJECT
AHE001-01	COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS
AHE001-02	CLINICAL BIO CHEMISTRY - I
AHE001-03	CLINICAL MICROBIOLOGY - I & PARASITOLOGY
AHE001-04	HAEMATOLOGY, BLOOD BANKING & HISTO PATHOLOGY - I
AHE001-05	PRACTICAL - I
AHE001-06	PRACTICAL - II
AHE001-07	PRACTICAL - III
AHE001-08	PRACTICAL - IV



**Course Name - BSS Diploma in Medical Laboratory Technology**  
**Course Code - AHE001**  
**Duration - 2 Years**  
**Eligibility Qualification - HS (Arts/ Commerce/ Science)**



## SYLLABUS FOR 2ND YEAR

SUBJECT CODE	SUBJECT
AHE001-09	CLINICAL BIO CHEMISTRY - II
AHE001-10	CLINICAL MICROBIOLOGY - II
AHE001-11	HAEMATOLOGY, BLOOD BANKING & HISTOPATHOLOGY - II
AHE001-12	PRACTICAL - V
AHE001-13	PRACTICAL - VI
AHE001-14	PRACTICAL - VII

## COURSE BENEFITS

- The students are skilled to perform tests that aid in the diagnosis and treatment of diseases as the program equips candidates with the necessary skills required to handle lab equipment and perform accurate pathological tests.
- After passing the course candidates can assist doctors in taking samples, centrifuging, making slides, using specified stains etc, under proper guidance.
- They also have many scopes available in molecular diagnosis, molecular biotechnology companies and in vitro fertilizations laboratories as well as in research labs.
- They can also assume administrative functions such as reporting and recording results of tests conducted in the laboratory, maintaining accurate clinical records, selecting and evaluating laboratory equipment and new test methodologies and performing other duties as may be assigned by the laboratory supervisor.