

PROGRAM OUTCOME

At the end of the course, the student will be able to:

PO1: To gain knowledge of principles and processes underlying and design and develop various inter-disciplinary subjects related to Medical Laboratory Techniques for delivering quality clinical investigations support.

PO2: Perform routine clinical laboratory procedures within acceptable quality control parameters in hematology, biochemistry, immunohematology and microbiology under the general supervision of a Clinical Laboratory Scientist or Pathologist

PO3: To identify, formulate and obtain solutions to technical skills, social behavior and professional awareness the challenging problems in the fields of lab sciences using principles of medical laboratory science.

PO4: Operate and maintain laboratory equipment's utilizing appropriate quality control and safety procedures and encourage collaborative learning without any discrimination and analyze the impact of lab practices in global, economic, environmental and societal context.

PO5: Perform safe use of basic laboratory glassware and equipment including the cell counter, microscope, centrifuge, incubator, colorimeter, analytical balance, and microtome

PO6: Demonstrate technical skills, social behavior and professional awareness for functioning effectively as a laboratory technician and Apply basic scientific principles in learning new techniques and procedures and Practice professional and ethical responsibilities with high degree of credibility, integrity and social concern.

PO7: Gain practical knowledge through internship at various multi-specialty hospitals & learn Problem solving techniques in identification and correction of pre analytical, post analytical & analytical variables.

PO8: Utilize computer technology in clinical laboratory data processing, data reporting, and information retrieval and customized and spread sheet to suit specific laboratory needs

Program Specific Outcomes:

After completing this Course, the students should

PSO-1- Professionally competent and exhibit a sense of commitment to the ethical and humane aspects of patient care to perform routine clinical laboratory testing.

PSO-2- To recognize the role of the medical laboratory technologist in the assurance of quality health care and Make specimen-oriented decisions on predetermined criteria including working knowledge of critical values.

PSO-3- Communicate with other members of healthcare team, customers and patients in an effective manner.

PSO-4 - Process information and ensure quality control according to the IQAS and AQAS through some NABL laboratory and maintain the record as appropriate to routine laboratory procedures and use quality assurance principles and practices to ensure the accuracy and reliability of laboratory

PSO-5 - Train students in routine laboratory procedure and Upgrade knowledge to be able to working on automated machine and skills in a changing healthcare scenario.

PSO-6- Exhibit a sense of commitment to perform a full range of testing in the contemporary medical laboratory encompassing pre-analytical, analytical, and post-analytical components of laboratory services.