



PROGRAMME-SPECIFIC LEARNING OUTCOMES

Program Outcomes: Bachelor of Science in Renal Dialysis Technology:

Program Outcomes	Description
PO1	Apply fundamentals of basic life sciences in relation with kidney and kidney diseases.
PO2	Practice infection control policy specific for renal dialysis technology.
PO3	Communicate effectively and professionally.
PO4	Practice professional and ethical responsibilities with highest degree of credibility and integrity without bias against gender, race, ethnicity, caste, religion, or nationality.
PO5	Internalize monitoring of the haemodialysis and peritoneal dialysis procedures with nutrition aspects under the supervision of nephrologist.
PO6	Practice continuous quality improvement in dialysis by following the implemented quality assurance program.
PO7	Handle and maintain instruments and devices used specifically for haemodialysis and peritoneal dialysis procedures.
PO8	Perform duties of a leader and /or team member in diverse professional fields.

Program Outcomes: Bachelor of Science in Medical Laboratory Technology

Program Outcomes	Description
PO1	Apply fundamentals of basic life sciences in Laboratory Techniques.
PO2	Perform routine clinical laboratory procedures within acceptable quality control parameters under the general supervision of a clinical laboratory scientist or pathologist.
PO3	Handle and maintain laboratory equipment, utilizing appropriate quality control and safety procedures.
PO4	Apply systematized problem-solving techniques to identify and correct systematic errors to improve accuracy of the reports.
PO5	Recognize and participate in activities to augment current knowledge and upgrading of skills in laboratory medicine.
PO6	Communicate effectively and professionally.
PO7	Practice professional and ethical responsibilities with highest degree of credibility and integrity without bias against gender, race, ethnicity, caste, or religion.
PO8	Perform duties of a leader and/or team member in diverse professional fields.

Program Outcomes: Bachelor of Science in Medical Imaging Technology

Program Outcomes	Description
PO1	Apply fundamentals of basic life sciences in patient positioning & special radiographic procedures.
PO2	Perform the duties of Imaging technologist by communicating effectively.
PO3	Practice radiation safety, biomedical waste management and infection control procedures specific for medical imaging technology.
PO4	Perform appropriate investigative procedures skillfully with correct patient care
PO5	Perform Quality Assurance to identify and resolve the image artifacts.
PO6	Assess sources and properties of radiations used specifically in medical imaging technology.
PO7	Internalize handling and maintenance of instrumentations of imaging modalities such as X-ray, CT, MRI, PET, SPECT, USG and Mammography.

Program Outcomes: Bachelor of Science in Anaesthesia and Operation Theatre Technology

Program Outcomes	Description
PO1	Apply fundamentals of basic life sciences in patient pre-operative, intra-operative and post-operative assessment and special surgical procedures.
PO2	Practice as efficient anesthesia and operation theatre technologist under the guidance of anesthetists and surgeons in operation theatres, intensive care, cardiac care, post-operative care, emergency, maternity, and neonatal care units.
PO3	Perform infection control policies and procedures implemented in the operation theatre.
PO4	Prepare operation theatre by loading and labeling the drugs and assembling surgical equipment as per the complexity and duration of the surgical procedures.
PO5	Perform maintenance of devices and instruments of endoscopy, imaging, electro convulsive therapy used in the operation theatre.
PO6	Perform pre-operative assessment, induce anesthesia, and position the patient for surgical procedures in the operation theatre.
PO7	Administer appropriate surgical treatments under the supervision of the physician or the anesthetist or the surgeon.
PO8	Communicate effectively and professionally efficiently.
PO9	Practice professional and ethical responsibilities with highest degree of credibility and integrity without bias against gender, race, ethnicity, cast, or religion.
PO10	Manage hazardous waste and follow biomedical waste disposal protocol.
PO11	Perform duties of leader and/or team members in diverse professional fields.

Program Outcomes: Bachelor of Science in Optometry

Program Outcome	Description
PO1	Understand fundamentals of life sciences related to clinical practice in optometry
PO2	Diagnose, plan treatment and manage patients with ocular disorders and visual impairments
PO3	Manage and operate a successful eye bank by following ethical guidelines for organization and ocular tissue preservation
PO4	Handle and maintaining ophthalmic equipment and practice skills in manufacturing of spectacle lenses, contact lenses and low vision devices
PO5	Counsel the patients about the procedures, benefits, possible adverse consequences and limitation associated with treatment of ocular disorders
PO6	Analyze visual demands and advise safety wear based on specific occupations
PO7	Practice professional and ethical responsibility without biases against gender, race, ethnicity, caste, religion or nationality
PO8	Design and execute ethical research studies to advance knowledge and improve outcomes in the field of optometry and vision sciences
PO9	Internalize the understanding of medico legal aspects and integrate ethical principles to provide compassionate and patient centered care
PO10	Perform duties of a leader and/or team member in diverse professional fields