

# ***B.Sc.(Hons) Anesthesia and operation theater technology programme***

**Anaesthesia and Operation Theatre Technology:** Anesthesia and Operation Theatre Technologist is responsible for direct and indirect patient care, equipment set up, pre, intra & post-operative procedures.

## **OBJECTIVES OF THE COURSE:**

- To understand the safe anaesthesia techniques for various elective and emergency procedures in and outside the operation theatre.
  - Obtain knowledge about proper functioning of various anaesthetic equipment's such as the anaesthesia workstation, monitors, syringe pump, emergency drugs and equipments etc.,
  - To know the basic information regarding the operation of C-Arm machine, laproscopic equipment, surgical instruments, surgical microscope etc.,
  - To obtain knowledge about sterile and aseptic techniques and other medical protocols followed by the hospital.
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- Students will be able to demonstrate the technological aspects of medical care with a good scientific foundation.
  - Students will competently assist the Physician & Surgeon, especially in high-tech medical procedures to cater to the healthcare industry globally.
  - Students will be capable of adapting to the continuous & emerging advancements in the field of Medical Technology which will be environmentally sustainable.
  - Students will have adequate knowledge of instrumentation with respect to principle, operation, maintenance and latest advances.
  - Students will have a fundamental skill-based research-orientation & enhanced analytical thinking and management in public health
  - Students will be equipped with the soft skills which are applicable in the healthcare sector.

- Students will develop sensitivity towards society health services and practice empathy for the patients

The **B.Sc. (Hons) Anesthesia and Operation Theatre Technologists** are delivered with a blend of practical and theoretical learning modules to help students become leaders of the industry.



## **CAREER PROSPECTS**

Well trained technocrats with a strong scientific foundation make **Anesthesia and Operation Theatre Technologist** a challenging and rewarding career. The demand for professionals who can provide diagnostic and therapeutic service has been growing at a much faster pace than the number being trained every year. Students can pick up global careers in

- Anesthesia and Operation theater technologist
- Medical Technology industry
- Medical equipment companies
- Homecare industry
- Intensive & Critical care
- Academic institutes
- Simulation centres
- Research & Development centres
- IT in Medical Technology
- Entrepreneurship

## **DURATION**

Four-year Full Time

## **MEDIUM OF INSTRUCTION**

English.

## **ELIGIBILITY CRITERIA**

**Eligibility Criteria** – Passed Standard XII (10+2) or equivalent examination from any recognised Board with any two of the following subjects: Physics, Chemistry, Biology, Botany, Zoology, Biochemistry, Microbiology, Mathematics OR equivalent as decided by competent authority, with a minimum of 50% marks or equivalent grade.

**Important:** It is the responsibility of the Candidates to ascertain whether they possess the requisite qualifications for admission. Having been admitted provisionally does not mean acceptance of eligibility. Final eligibility for admission will be decided by school of allied health sciences and Malla Reddy university at Hyderabad.

## **HIGHER STUDIES:**

- MSc in Anaesthesia & OT Technology
- MBA – Healthcare and hospital management
- Doctorate
- Diploma- PGDM