VENKTESHWAR INSTITUTE OF PARAMEDICAL SCIENCES

A UNIT OF SAI TIRUPATI UNIVERSITY

DEGREE COURSES OFFERED

- **BACHELORS IN MEDICAL LABORATORY TECHNOLOGY (3YEARS + 1 YEAR INTERNSHIP)**
- **BACHELORS IN RADIATION TECHNOLOG (3YEARS + 1 YEAR INTERNSHIP)**
- **BACHELORS IN OPHTHALMIC TECHNOLOGY (3YEARS + 1 YEAR INTERNSHIP)**

BACHELORS IN MEDICAL LABORATORY TECHNOLOGY (3YEARS + 1 YEAR INTERNSHIP)

CAREER OPTIONS

- **Hospitals and Clinics:** Key roles in diagnostic departments.
- **Diagnostic Labs:** Specialized testing in hematology, microbiology, or molecular diagnostics.
- **Research and Development (R&D):** Roles in clinical trials, drug development, or academic research.
- **Public Health Organizations:** Focus on disease prevention and surveillance.
- **Pharmaceutical Companies:** Quality control and product testing.
- **Forensic Science Labs:** Analyze biological evidence for law enforcement.

ACADEMIC ADVANCEMENT-

- **MSc in Medical Laboratory Technology or related specialties like Microbiology, Biochemistry, or Molecular Biology.**

- **PhD in specialized fields for research or academic roles.**

ELIGIBILITY CRITERIA- 10+2 (PCB)

SCOPE - Medical Laboratory Technology is considered as one of the most intriguing and delectable careers in the field of biology. Medical technologists are employed in different aspects of laboratory diagnosis such as Bio-chemistry (chemical analysis of body fluids), Immuno-hematology (blood and immunity related testing), Microbiology (study of pathogenic organisms) Blood banking, cyto-histology (study of tissues) and molecular biology.

CENTRAL LAB

BACHELORS IN RADIATION TECHNOLOGY (3YEARS + 1 YEAR INTERNSHIP)

CAREER OPTIONS

- **Hospitals and Clinics**: Operate radiology equipment such as X-rays, CT scans, and MRI machines. Assist radiologists in diagnostic imaging procedures.
- **Diagnostic Imaging Centers**: Work in specialized diagnostic labs conducting imaging studies for various medical conditions. Perform radiation therapy for patients with cancer under a radiologist's supervision.
- **Academia and Training**: Serve as instructors in educational institutions for aspiring radiation technologists.
- **Industrial Radiography**: Work in non-medical applications like inspecting materials and structures using radiation technologies (e.g., in aviation, construction).
- **Research and Development**: Participate in developing advanced imaging technologies or radiation safety protocols.
- **Cancer Treatment Centers**: Engage in therapeutic applications such as radiation therapy for oncology patients. Collaborate with oncologists in planning and delivering precise radiation doses.

ACADEMIC ADVANCEMENT-

- **Post-Diploma Specializations:**
    - **CT Scan Technology**
    - **MRI Technology**
    - **Nuclear Medicine Technology**
- **Certification Programs:**
    - **Radiation Safety Officer (RSO) Certification**
    - **Advanced certifications in interventional radiology or therapeutic radiology.**

ELIGIBILITY CRITERIA- 10+2 (PCB/PCM)

SCOPE- Radiology is a rapidly evolving medical sub-specialty and is a key pillar of today's healthcare industry. It is not only an important tool for confirming the diagnosis of several health conditions but is also being widely used to perform minor and major radiological procedures, monitor treatment, and predict their outcomes. Ongoing research and

technological advances in the field of medical radiology are leading to the development of more advanced and sophisticated machines and techniques which are enabling clinicians to deliver quicker and more precise treatment, ultimately transforming patient care.



RADIOLOGY

BACHELORS IN OPHTHALMIC TECHNOLOGY (3YEARS + 1 YEAR INTERNSHIP)

CAREER OPTIONS

- **Ophthalmic Technician**-Eye hospitals, clinics, and multispecialty hospitals.
- **Optometric Assistant**-Optometry clinics and optical retail stores.
- **Ophthalmic Photographer**-Ophthalmology clinics, hospitals, and research institutions.
- **Contact Lens Technician**-Optical stores, clinics, or contact lens manufacturing companies.
- **Surgical Assistant (Ophthalmology)**-Assist ophthalmologists during surgeries such as cataract removal, LASIK, and other procedures by preparing instruments and supporting the surgical team. Hospitals and specialized eye surgery centers

ACADEMIC ADVANCEMENT-

- **Master's degree in optometry, ophthalmic technology, or allied health sciences.**

ELIGIBILITY CRITERIA- 10+2 (PCB)

SCOPE - Ophthalmic Technology is one of the most prior aspects of medical science and technology. This course prepares the candidates by training them in such areas like examining patients' eyes, treatment of vision problems, focus on eye testing , monitoring other ophthalmic equipment and the patients, prescribing spectacles and contact lenses and other practices of optometry.

OPTOMERTY

LIFE AT VIPS


सृजन-25


STOP
HIV


सृज -25


VINAYAKA MISSIONS
CAREER COUNSELING SEMINAR