



HINDUSTAN

INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)



School of Allied Health Sciences

BACHELOR OF SCIENCE **PERFUSION TECHNOLOGY** (B.Sc. PFT)

SALIENT FEATURES

- Knowledge on basics of non-invasive diagnostic and therapeutic interventional procedures related to catheterization, balloon angioplasty, valvoplasty, closure of congenital defects, pacemaker implantation, vascular diagnosis and interventions etc. is imparted.
- Training on communicating to surgeons, during invasive procedures.
- Training and thus enabling the students to operate the heart-lung machine, ECMO, ventricular assist devices and intra-aortic balloon pumps.
- Clinically equip the students, to assist the cardiac surgeons during the invasive procedures.

CAREER OPPORTUNITIES

- As Perfusion Technologists in
- Hospitals
 - Medical Laboratories
 - Pursuing higher studies
 - Centers performing cardiac surgeries

ABOUT THE PROGRAM

This is a full-time, undergraduate degree program in the field of healthcare. This program prepares the students to operate the heart-lung machine, in addition to imparting the basics of non-invasive diagnostic and therapeutic interventional procedures.

B.Sc Perfusion Technology is conducted by HITS in collaboration with Frontier Lifeline Hospital, which is one of the best Cardiac Speciality Hospitals in Chennai. It's Medical Science Park enables students to carry out research with its well-equipped labs, simulation centres, libraries and classrooms.

Duration: Three Years

PROGRAM STRUCTURE

- Credit based curriculum
- Non-semester pattern
- Theory with practical components

Eligibility: A minimum 50% pass in 12th Standard with science subject and after completing the Entrance examination and Interview.

📍 **Administrative Office:**
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