



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Bachelor of Technology in Health Sciences and Technology

4 Years program

About The Program

At VIT, we are committed to fulfilling our vision by equipping students with up-to-date interdisciplinary knowledge and skills. We aim to empower them with distinctive expertise to address existing and emerging global challenges in the Health Science Sector. This bachelor's program in Health Sciences and Technology is a moonshot endeavor aimed at merging medical and engineering knowledge to forge innovative technologies, fostering affordable and accessible healthcare solutions. This program integrates a flexible credit system and project-based learning, facilitating the seamless integration of emerging technologies like Artificial Intelligence (AI) across diverse fields such as Sensors, Medical Devices, Robotics, Mechanobiology, Immunology, and Genetics. Students will acquire essential scientific knowledge relevant to the health science sector, making their expertise highly sought-after by industries, research and development (R&D) sectors, and academia.



Syllabus devised by academicians, leading scientists, clinicians, and industry experts (both national and international).



Teaching with practical exposure by clinicians, industry, and academic experts.



Flexible credit system with an interdisciplinary approach.



Clinical Internship: hospitals, health-care startups, industries, and R&D centers.

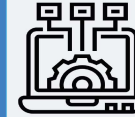
- Research and Development
- Pharmaceutical Industry
- Regulatory Affairs
- Technical Healthcare Management
- Health Science IT
- Machine Learning & AI in Healthcare

Scope & Propsects

The global healthcare industry is experiencing rapid growth, with the Indian market alone expected to grow at 22% annually. This expansion demands a skilled and trained workforce to meet the increasing demands. Having an industry-ready workforce is a critical requirement across all sectors, yet the health science and technology industry often lacks this readiness due to its diverse, interdisciplinary nature. With this program, you can become a part of a growth story, equipped with a unique interdisciplinary skillset that enhances your visibility in this burgeoning sector. The Health Science and Technology program is a one-of-a-kind degree in India, enabling you to immerse yourself in shaping the future of humankind. Students have the option to specialize in Biomaterials & Medical Devices, Artificial intelligence (AI) and Machine Learning (ML), Biosensors, Bio-imaging, Molecular Biology & Genetics, Pharmaceuticals, or Med-tech entrepreneurship.

Salient Features

What do we offer?



Offers cutting-edge infrastructure and diverse healthcare exposure for Med-Tech Engineers.



Fosters entrepreneurship via the Institute Innovation Council (IIC) and Technology Business Incubator (TBI).



Encourages research culture and interdisciplinary projects with 11 research centers and 14 Schools.



Provides global exposure with the Semester-Abroad Program (SAP) partnering with 400+ universities.



Prioritizes social development through its clubs, nurturing a vibrant student community.

Why This Program?