



VELLORE INSTITUTE OF TECHNOLOGY

VIT is committed to delivering quality higher education that matches international standards. The university continuously embraces innovative approaches to teaching and research, fostering a vibrant and inclusive learning environment. With guidance from experienced faculty, students are encouraged to develop their skills, pursue excellence, and engage in impactful research. Through collaborations with reputed international universities, VIT has built strong academic and research partnerships. These Memoranda of Understanding (MoUs) enable student and faculty exchange programs and promote joint research initiatives, enriching the academic experience and enhancing global exposure. In line with this vision, the One-day Workshop on **Workshop on Fundamentals of Analytical Tools For Biotechnological Applications- Biotechnica 2025** aims to provide participants with practical insights into modern bioanalytical methods. The workshop will focus on hands-on training, technical expertise, and skill development, equipping students and researchers to meet international standards in life sciences research. By combining innovation, collaboration, and experiential learning, this initiative reflects VIT's continued commitment to nurturing talent and advancing research excellence.



SCHOOL OF BIO SCIENCES AND TECHNOLOGY

The School of Bio Sciences and Technology consists of four departments, namely Biotechnology, Integrative Biology, Bio Sciences, and Bio-Medical Sciences. The school offers an undergraduate (B.Tech. Biotechnology), four post-graduate (M.Sc. and M.Tech), and two integrated postgraduate (M.Sc.) and Ph.D programmes. As per the National Education Policy, multiple entry and exit options are made available in the Integrated PG programmes. In addition to the regular programmes, specializations are available in prominent areas. In addition to the regular curricular structure, the schools provide ample opportunities to expose the students to current research developments and to the requirements of the industries. Faculty members of SBST carry out both fundamental as well as translational research with a focus on providing sustainable solutions and offering consultancy services to various industries. The school boasts of having published 6000+ research and review articles with a h-index of 97; granted 55 patents. The research in the fields related to biosciences and technology has gained international prominence and has consequently been ranked in the range 351-400 in the broad subject areas of Biological Sciences and Chemistry by the 2024 QS World University Rankings by Subject.

SCHOOL OF BIO SCIENCES AND TECHNOLOGY

BIOTECHNICA 2025

Workshop on Fundamentals of Analytical Tools For Biotechnological Applications

About the Event

The One-day Workshop on **Fundamentals of Analytical Tools For Biotechnological Applications- Biotechnica 2025** is designed to give students a comprehensive introduction to key analytical techniques in biotechnology. The sessions will cover the practical aspects of spectrophotometry, chromatography, microscopy, and many more through demonstrations and hands-on training. By bridging theoretical knowledge with real-world applications, the program aims to strengthen problem-solving and critical-thinking skills while preparing participants for advanced studies and careers in biotechnology research and industry.

Key Highlights of the Event:

- ❖ Demonstration of bioanalytical techniques
- ❖ Expert guidance from faculty & researchers
- ❖ Laboratory visits across multiple advanced research facilities
- ❖ Networking with peers and professionals in Biotechnology
- ❖ Visit to the animal house facility

About the Workshop:

Join us for an intensive one-day workshop designed to demonstrate bioanalytical techniques. This workshop will empower participants with practical skills and direct exposure to high-end laboratory equipment used in cutting-edge biological research.

Who Can Participate?

Students pursuing Graduation and Post-Graduation (Only for External Participants)

Date & Time

23rd October 2025 | 9:00 AM – 5:00 PM

Registration Fee

₹150/- (Including GST)

Note:

Stay and lunch facilities are not included. Participants will be provided with refreshments & certificates

Registration Link: <https://events.vit.ac.in/>

Interactive Sessions and Demonstrations:

The workshop will incorporate interactive sessions that encourage active participation and discussion, allowing students to clarify concepts and strengthen their understanding of bioanalytical tools. Participants will not only observe these techniques in action but also gain practical insights into troubleshooting, data interpretation, and experimental design. This approach ensures a deeper connection between theory and practice, fostering critical thinking.

CHIEF PATRON

Dr. G. Viswanathan
Founder & Chancellor

PATRONS

Mr. Sankar Viswanathan, Vice President
Dr. Sekar Viswanathan, Vice President

Dr. G. V. Selvam, Vice President
Dr. Sandhya Pentareddy, Executive Director

Mrs. Kadhambari S. Viswanathan, Assistant Vice President

CO-PATRONS

Dr. V. S. Kanchana Bhaaskaran, Vice Chancellor
Dr. Partha Sharathi Mallick, Pro-Vice Chancellor

Dr. T. Jayabharathi, Registrar

DEAN

Dr. Suneetha V, Professor, SBST

ASSOCIATE DEAN

Dr. Anand A, Professor, SBST

HEAD OF THE DEPARTMENT

Dr. K. Suthindhiran, Professor, SBST

FACULTY ORGANIZERS

Dr. Gayathri M, Associate Professor, SBST

Dr. Jayasri M. A, Associate Professor, SBST

STUDENT ORGANIZERS

Karthik T. (19PHD0039) 9677754742
Eshika C. (20PHD0774) 8617347078
Nithya K. (20PHD0222) 7530009733
Animish D. A (20PHD0569) 8850679664

