

About The Institute

Vellore Institute of Technology (VIT) was founded in 1984 and attracts students from around the world due to its academic excellence. The credentials of VIT in academics and research have placed 14th position among the research and 14th position in the university category in India by NIRF, Govt. of India. The world ranking body, namely the QS, has given 4 STAR rating to VIT, with which VIT becomes the first institution in India to have the 4 STAR rating. In addition to this, the consortium of industries, FICCI, has adjudged VIT as the "Excellence in Faculty". VIT has completed 4 cycles of NAAC accreditation and has been rated as an "A++" grade institution. VIT has introduced many innovations in academic processes, such as FFCS (Fully Flexible Credit System), PBL (Project-Based Learning), which adds value to every student for better learning. Fully digitalized academic portals and library access assist the students in equipping themselves for the 2027 marketplace. Hack-a-thon, Math-a-thon, Stat-a-thon as part of curriculum exercise (which kindles the interest and the curiosity of students and motivates them to be better problem solvers) of the last module in every subject being handled by the industrial experts, making the students contextualize the concepts they study in the classroom, are a few of the innovations that VIT has introduced in their learning system.

About School of Electronics Engineering

SENSE at VIT was established for imparting state-of-the-art knowledge in Electronics and Communication Engineering and allied areas. The school has set up laboratories with excellent infrastructure in the areas of Electronics, Communication, VLSI, Embedded, Sensors, and Nanotechnology. Faculties are actively involved in R&D activities and are working on research projects funded by government organizations like DRDO, ISRO (RESPOND), and DST.

About The Department

The **Department of Embedded Technology** is dedicated to advancing education and research in embedded systems, IoT, real-time systems, and intelligent automation. The department provides a strong foundation in both hardware and software aspects of embedded product design, enabling students to develop industry-ready skills in microcontrollers, processors, embedded Linux, communication interfaces, and system-level integration. With well-equipped laboratories and access to advanced tools, the department focuses on experiential learning through hands-on experiments, mini-projects, and industry-aligned coursework. By fostering creativity and technological competence, the Department of Embedded Technology prepares students to become skilled engineers capable of meeting the evolving demands of embedded and intelligent system development.



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

Online Workshop

Hands-on Robotic Automation with ROS: From Basics to Applications



4th April, 2026

TT134 - Networking Lab

Organized by

**School of Electronics Engineering
Vellore Institute of Technology
Vellore – 632014**



Honorable Patron

Dr. G. Viswanathan, Founder & Chancellor

Chief Patrons

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Dr. Sekar Viswanathan, Vice President

Dr. G.V. Selvam, Vice President

Dr. Sandhya Pentareddy, Executive Director

Mrs. Kadhambari S. Viswanathan, Assistant Vice President

Patrons

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Dr. Partha Sarathi Mallick, Pro-Vice Chancellor

Dr. T. Jayabharathi, Registrar

Chairman

Dr. Jasmin Pemeena Priyadarsini M, Dean / SENSE

Co-Chairman

Dr. Sakthivel R, Asso. Dean / SENSE

Conveners

Dr. Sundar S, HoD / DET

Coordinators

Dr. Sangeetha N – Phone: 883833726

Email: nsangeetha@vit.ac.in

Dr. Aparna Mohanty – Phone: 9800159131

Email: aparna.mohanty@vit.ac.in

Session 1: 9:30 – 11:00 AM

Introduction to Robotics & ROS 2 Basics

Session 2: 11:30 – 12:30 PM

ROS 2 Communication & Programming

Session 3: 2:00 – 3:30 PM

Simulation & Robot Control

Session 4: 4:00 – 5:00 PM

Discussion, Advanced Concepts & Applications

WHO CAN ATTEND

The training program is open to Faculties, Research Scholars, and UG/PG students.

REGISTRATION FEE

Rs.200 /- (including GST)

- **The number of participants is restricted to 50 (First-Come First-Served basis)**
- **E-Certificate will be given on successful completion.**

REGISTRATION

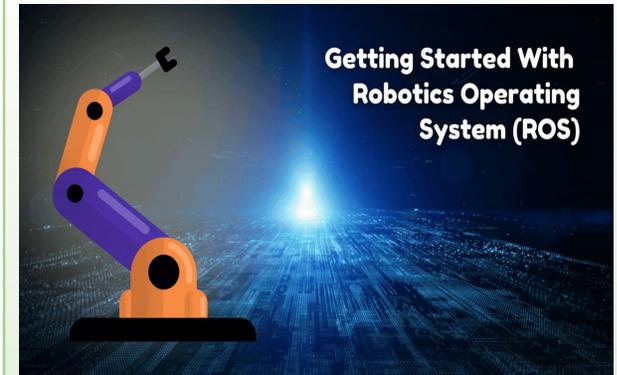
<https://events.vit.ac.in>



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Resource Persons Details

Dr. Sangeetha N, SENSE, VIT, Vellore

Dr. Aparna Mohanty, SENSE VIT, Vellore

Mr. Joel Viju, Cloudties Solutions LLP-

Intern, Bengaluru.

All registered students will receive the workshop link via email one day prior to the workshop