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

Value-Added Course on
INDUSTRY 5.0
📅 05 OCT - 06 NOV, 2024

Learning Outcomes

On completion of the course, participants will be able to

1. Define the basic concepts of automation and different types of sensors.
2. Explain the different types of programming languages as per IEC61131-3.
3. Implement automation process for manufacturing and process industries using different machine to machine communication protocols.
4. Simulate different conveyors using Factory IO- 3D simulation platform.
5. Evaluate nodes required for automation using Node-Red application programming interface.
6. Design an automation process and transfer data to the cloud platform.

Course Content

1. Introduction to Industry 5.0
2. PLC Programming Techniques
3. Communication Protocols
4. 3D Simulation
5. Open Platform Communication
6. Unified Architecture
7. Data Transfer to Cloud Platform

Target Audience

UG/PG Students, Research Scholars

Industry Partner

codenplay
robotics

Contact us

✉ konguvel.e@vit.ac.in
svidhyavalentina@vit.ac.in
📞 +91 9597812810
+91 9994157325

Course Plan - Hybrid Mode

Dates	Time	Mode
05.10.2024 – 06.10.2024 (Sat - Sun)	9 am – 6 pm	On Campus
07.10.2024 – 09.10.2024 (Mon - Wed)	6 pm – 8 pm	Online
21.10.2024 – 23.10.2024 (Mon - Wed)	6 pm – 8 pm	Online
04.11.2024 – 06.11.2024 (Mon - Wed)	6 pm – 8 pm	Online

Registration Fee

Internal Students: Rs. 1000/-
External Students: Rs. 1500/-
Inclusive of 18% GST

Registration Link

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

Coordinators

Dr. S. Vidhya, Professor & Head
Dr. E. Konguvel, Associate Professor

Convenor

Dr. S. Sivanantham, Professor & Dean

School of Electronics Engineering,
Vellore Institute of Technology, Vellore - 632014, India
www.vit.ac.in
VIT - A Place to Learn; A Chance to Grow