



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

Value-Added Course on **INDUSTRY 5.0**



29 AUG - 11 OCT, 2026



Industry 5.0 [VAC2354]

Learning Outcomes:

On completion of the course, participants will be able to

1. Understand Industry 5.0 concepts and industrial automation.
2. Develop PLC programs using IEC 61131-3.
3. Configure industrial communication protocols.
4. Perform hands-on simulation of industrial processes using Factory I/O.
5. Develop hands-on automation applications using Node-RED.
6. Implement cloud-based industrial automation solutions.

Course Content:

1. Introduction to Industry 5.0
2. PLC Programming Techniques
3. M2M Communication Protocols
4. 3D Simulation
5. Open Platform Communications (OPC UA)
6. Data Transfer to Cloud Platforms

Why Join?

1. Hands-on PLC Programming
2. Factory I/O Simulation
3. Cloud-based Automation
4. Industry Expert Sessions
5. Industry-Oriented Practical Training
6. Certificate upon successful completion

Industry Partner:

CodenPlay Robotics, Bengaluru

Contact:

konguvel.e@vit.ac.in
svidhyavalentina@vit.ac.in
9597812810, 9994157325



codenplay
robotics

Course Schedule

Dates	Time
29, 30 Aug 2026 (Sat - Sun) Online	9 am – 1 pm
05, 06 Sep 2026 (Sat - Sun) Offline @ VIT Campus	9 am – 5 pm
10, 11 Oct 2026 (Sat - Sun) Offline @ VIT Campus	9 am – 5 pm

Last Date for Registration

27 August 2026, Thursday

Who can attend?

UG/PG Students, Research Scholars

Register Now:

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

Registration Fee:

Students/Scholars: **Only ₹1000/-**
Inclusive of 18% GST

Coordinators:

Dr. Konguvel E., Asso. Professor
Dr. Vidhya S., Professor

Advisors:

Dr. Sundar S., Asso. Professor & Head
Dr. Sathya P., Asso. Professor & Head

Convenor:

Dr. Jasmin Pemeena Priyadarisini M., Professor & Dean

Scan to Register



**School of Electronics Engineering,
Vellore Institute of Technology, Vellore - 632014, India
www.vit.ac.in**

VIT - A Place to Learn; A Chance to Grow