

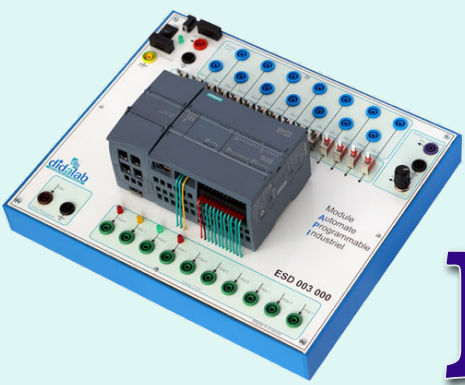


# **GOKARAJU RANGARAJU**

## **Institute of Engineering and Technology**

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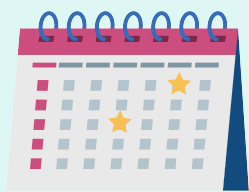
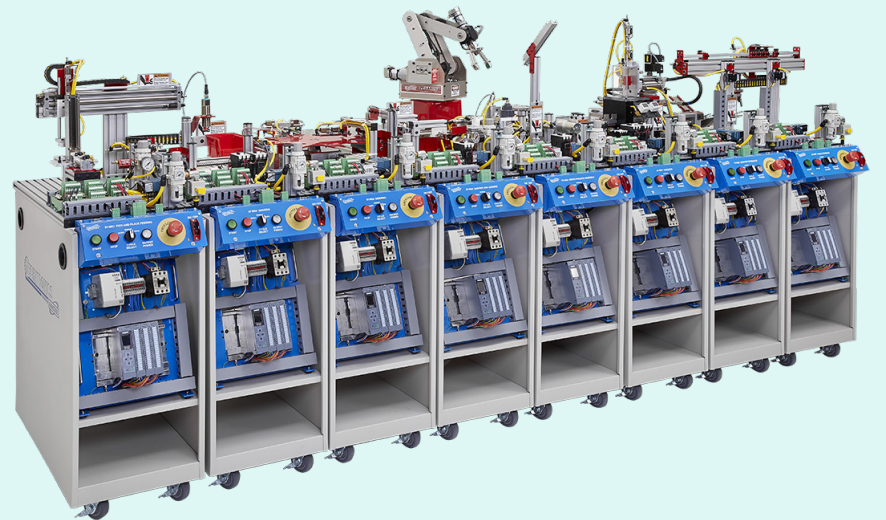
**Department of**  
**Electrical and Electronics Engineering**



# **Industrial PLC**

## **Training**

### **Value Added Course**



**17 - 28 February 2025**

*Course Coordinators*

***P. Prasanth Kumar, Asst Prof, EEE***

***D. Karuna Kumar, Asst Prof, EEE***

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***Digital Industry Academy – SITRAIN,***  
***Siemens Limited***

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**Department of**

**Electrical and Electronics Engineering**

**Industrial PLC Training**

**Course Content**

- o **Basic of Automation Technology**
- o **PLC block diagram and major components**
- o **System Overview, PLC Tags, Programming Blocks**
- o **Bit logic instructions**
- o **Concept of RLO**
- o **Logic gates in various programming languages**
- o **Programming rules**
- o **Elementary data types**
- o **Arithmetic and logic operations**
- o **Working with watch table**
- o **Analog value processing**
- o **Linear v/s structured programming approach**
- o **Effective programming using function and function blocks.**
- o **Concept of Organization blocks**
- o **Hands-On exercises based on Industrial applications.**



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