



## **ESHAN COLLEGE OF ENGINEERING, MATHURA**

Approved by All India Council for Technical Education, New Delhi (AICTE)  
Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh

# **Establishment of PLC Laboratory**

## **INTRODUCTION**

A PLC Lab setup in the Department of Electrical Engineering aims at providing the students and faculty with the capability of working with Programmable Logic Controllers technology that is at par with industry. The main goal of this lab is to give the student a high-quality training on PLC programming that will develop their skills both in programming as well as hardware in PLC and be more employable in industry.

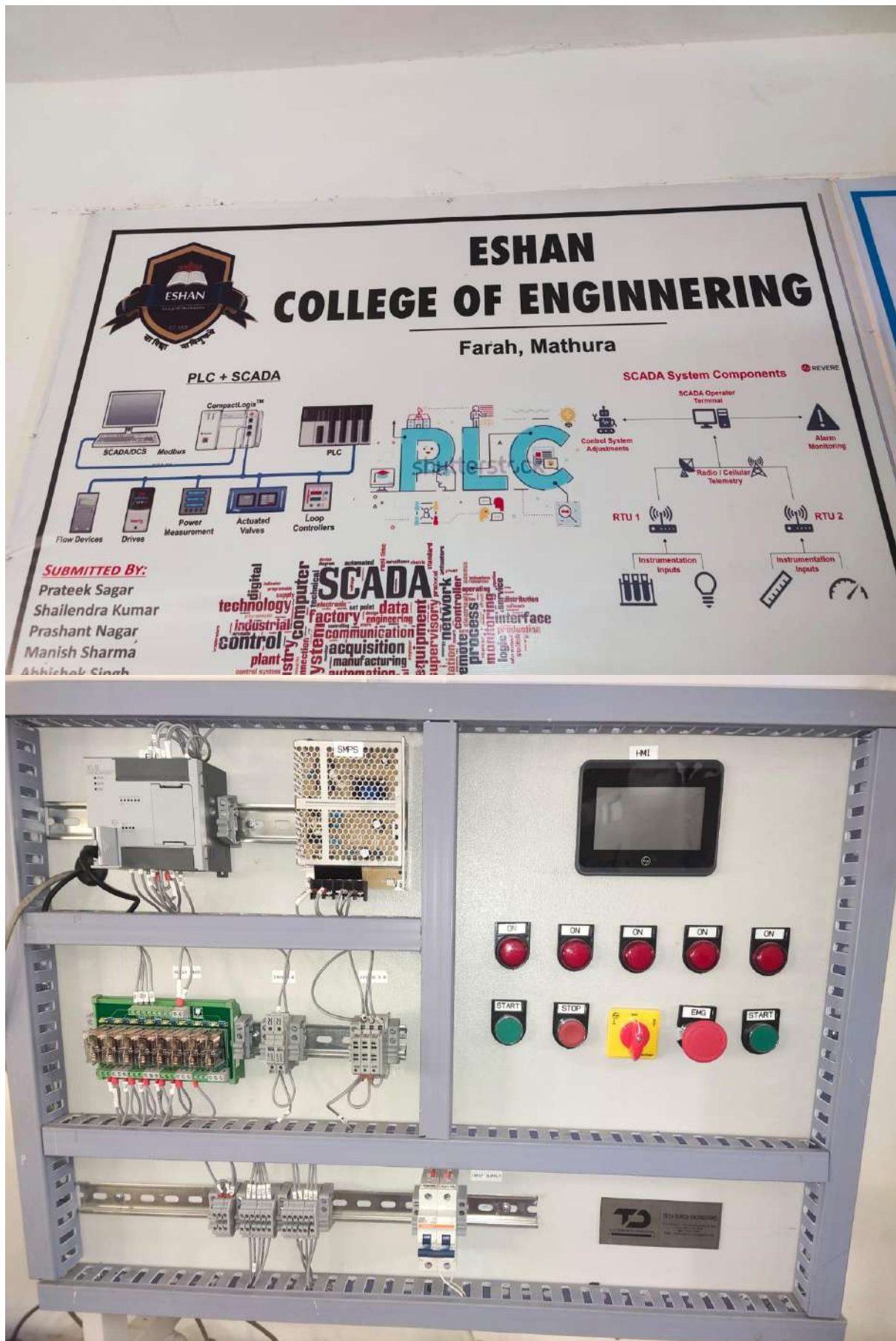
## **LEARNING OUTCOMES**

- Exposure to the technology of Programmable Logic Controllers (PLC) and understanding the importance of automation in industries
- Software programming of PLC like ladder logic and instruction logic
- PLC simulation on BYT software as well as on BYT HMI hardware device
- Efficiently working on BYT HMI device for controlling different devices

## **BENEFITS**

- College would provide its students with training platform to get updated with industry relevant technologies.
- Make students resumes stronger
- Increase in industry-institute interaction
- Opportunity to conduct faculty training workshops for free to keep faculty appraised with industry developments.
- Students at Eshan would be provided with the opportunity to go through certification programs that is at par with American Universities with lectures and content created by US based experts.

# **Photos of PLC Laboratory**









28KM Mile Stone, Agra-Delhi Highway, NH-2, Farah, Mathura - 281122

# **Copy of the Bill**

## Tax Invoice

<b>Tech Durga Engineering</b> K16 Road No.7 I.P.I.A. Kota Rajasthan - 324005, India GSTIN/UIN: 08AAQFT4521M1ZM State Name : Rajasthan, Code : 08 Contact : 8104766834,8104783840,9414085920 E-Mail : techdurgaengineering@gmail.com		Invoice No. <b>143</b>		Dated <b>25-JAN-2022</b>		
Buyer (Bill to) <b>ESHAN COLLEGE OF ENGINEERING</b> Farha, Mathura		Buyer's Order No. ECE/EE/2021-22/Lab-01		Dated 15-11-2021		
		Despatch Document No.		Motor vehicle No. RJ20CD7433		
		Despatch through(Ref.)		Destination		
		Place of supply Uttarpradesh		GSTIN URP		
Sl.No	Description of Goods and Services	HSN/SAC	GST Rate	Quantity (nos)	Rate	Amount
1	PLC PANEL (Training Kit With Instrumentation & L&T PLC & HMI With Software (Annexure-III) & Sensor with PID Controller )	8537	18%	3	37666.67	113000.00
	Packing Charges					1000.00
Company's Bank Details Bank Name : ICICI Bank kota A/c No. : 687405600575 IFS Code : ICIC0006874		Transport & Forwarding		8000.00		
		<b>Total</b>		122000.00		
		CGST 9%		-		
		SGST 9%		-		
Rupees in word : One Lakh Forty-Three Thousand Nine hundred Sixty Rupees Only		IGST 18%		21960.00		
		Round Off		0.01		
Company's PAN : AAQFT4521M		E.&O.E		<b>Grand Total</b>		
				143960.00		
Declaration: 1.We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct. 2.Our responsibility ceases on delivery of the goods. 3 Interest at 24% will be charged if payment are not made with in due date. 4 Please check your GSTN No has been correctly entered on our invoice, after 7 days we will be not responsible.5.Original-Pink, Duplicate-White color.						
for Tech Durga Engineering Authorised Signatory						

✓ Received All  
 Three Panel 25/01/22  
 all are working  
 Good condition.

Project  
 21/01/22  
 make Payment after  
 10 days of delivery  
 01.