

#### GURU GOBIND SINGH COLLEGE OF ENGINEERING & RESEARCH CENTRE, NASIK

Khalsa Educational Complex, Guru Gobind Singh Marg, Wadala-Pathardi Road, Nashik - 422 009.

Ph. 0253 - 2372766, 7768004581, 82 Fax :- 0253 - 2372666

www.engg.ggsf.edu.in \* Email - gcoerc.nashik@ggsf.edu.in



# **Workshop Report**

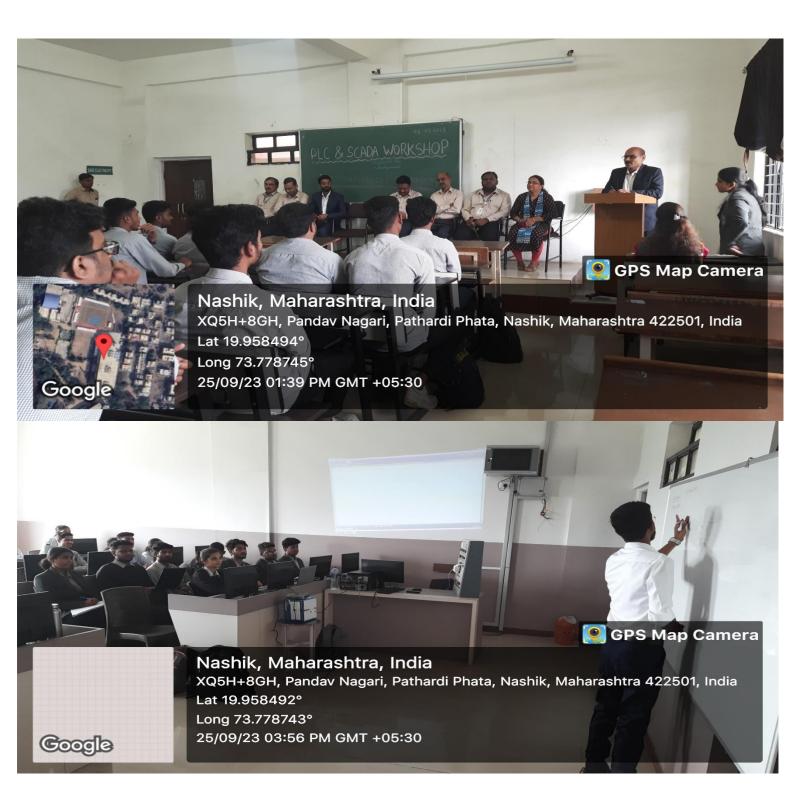
Title of Program	Workshop on "PLC & SCADA"		
Objective of Program	To make the students understand the fundamentals of automation and various automation systems used in the industry, such as PLC. Also provide knowledge levels needed for PLC programming and operating.		
Addressed PO/ PSOs	PO1, PO2, PO3, PO5, PO11, PO12, PSO2		
Date of Program	25/09/2023-30/09/2023		
Venue	Artificial Intelligence Lab (424)		
Organised By	Electrical Engineering Dept.		
Supporting Staff Member	TA - Purushottam Patil, Hemant Jadhav, Rubeena Tadavi		
Photograph/Video Available	Photograph available		
Nature of Photo Submission (Soft/Hard) & To whom	Soft Copy		
	The 5 days workshop was organized by Electrical Engineering Dept for Final Year Electrical Engineering students to brief them about the PLC & SCADA programming and operation.  Brief about the program.		
Brief about the Program (Activity/Event)	Mr. Pankaj Sonawane, the trainer of the workshop gave the detailed knowledge of the PLC SCADA & Industrial Automation areas. He also gave the brief ideas related to importance of automation in various sectors along with hands on training on the kits.		
Name and Sign of Program Incharge	Asst. Prof. Shamal S. Dhamal		
Name and Sign of HOD	Dr. Rahul Agrawal		



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Day & Date	Content	Time
Day 1 25.09.2023	Introduction to Automation, About automation, Introduction to PLC, Basics about PLC and PLC software Basic Ladder programming of PLC, Programming of Schneider PLC with Zelio soft, Logic gates, Latching, Lift programming and basic programming on PLC	10:00AM to 05:00 PM



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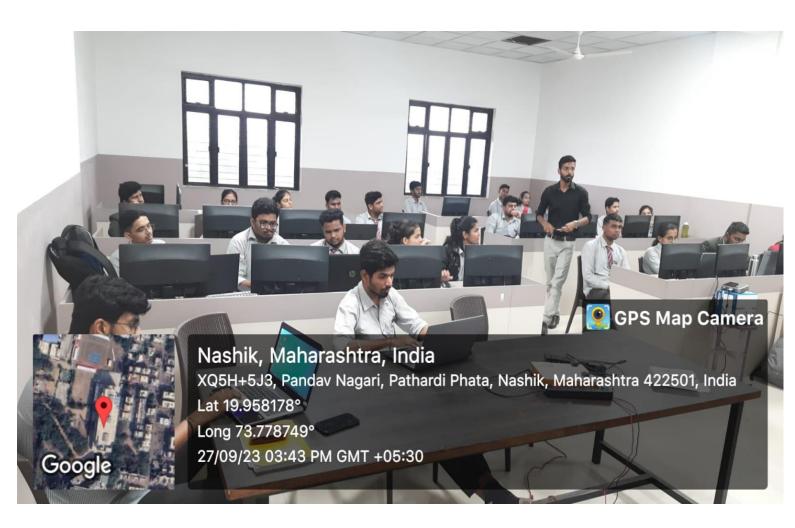
Day & Date	Content	Time
Day 2 26.09.2023	Timers, Counters, Analog Programming on PLC, Industrial examples programming on Schneider PLC	10:00AM to 05:00 PM



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Day & Date	Content	Time
Day 3 27.09.2023	Hands on wiring on Individual PLC, Wiring of Sensor, Pushbuttons, Indicators, SMPS with Schneider PLC and programming various examples on PLC in group of 5 students.	10:00AM to 05:00 PM



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ESTD.: 2013



Day & Date	Content	Time
Day 4 29.09.2023	Introduction to SCADA, Window Designing o SCADA software	10:00AM to
	(Wonder ware In-touch), Properties in SCADA, Tagname	05:00 PM
	defining, Window Script in SCADA.	



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Day & Date	Content	Time
Day 5 30.09.2023	Programming on Allen Bradley PLC, RS Linx Configuration, Ladder programming on RS Logix 500, Timers, Counters, Analog programming and scaling in Allen bradlry PLC	10:00AM to 05:00 PM



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Certificate Distribution Ceremony of the final year students in the presence of Vice Principal of GCOERC, HoD EE & the electrical engineering staff on 30.09.2023

# Guru Gobind Singh College of Engineering & Research Centre, Nashik Electrical Engineering Department PLC & SCADA Workshop

#### BE ELECTRICAL

Date: 25.09.2023

Sr. No.	Roll. No.	Name of Student	Signature
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29		Mahek Raju Tadavi	Macavi
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32			

Ms Shamal Dhamal

Asst. Prof.

Dr. Rahul Agrawal HoD, EE

#### Guru Gobind Singh College of Engineering & Research Centre, Nashik Electrical Engineering Department PLC & SCADA Workshop

BE ELECTRICAL

26.06.2023

27.09.2023

29.09.2023

30.09.2023

Sr. No.	Roll. No.	Name of Student	Signature	Signature	Signature	Signature
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Ms. Shamal Dhamal Asst. Prof.

Dr. Rahul Agrawal HoD, EE