

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
Brief about the Program (Activity/Event)	<p>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.</p> <p>Brief about the program.</p> <p>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.</p>
Name and Sign of Program Incharge	Asst. Prof. Shamal S. Dhamal
Name and Sign of HOD	Dr. Rahul Agrawal

Dr. S. D. Kalpande
Vice Principal

Dr. N. G. Nikam
Principal

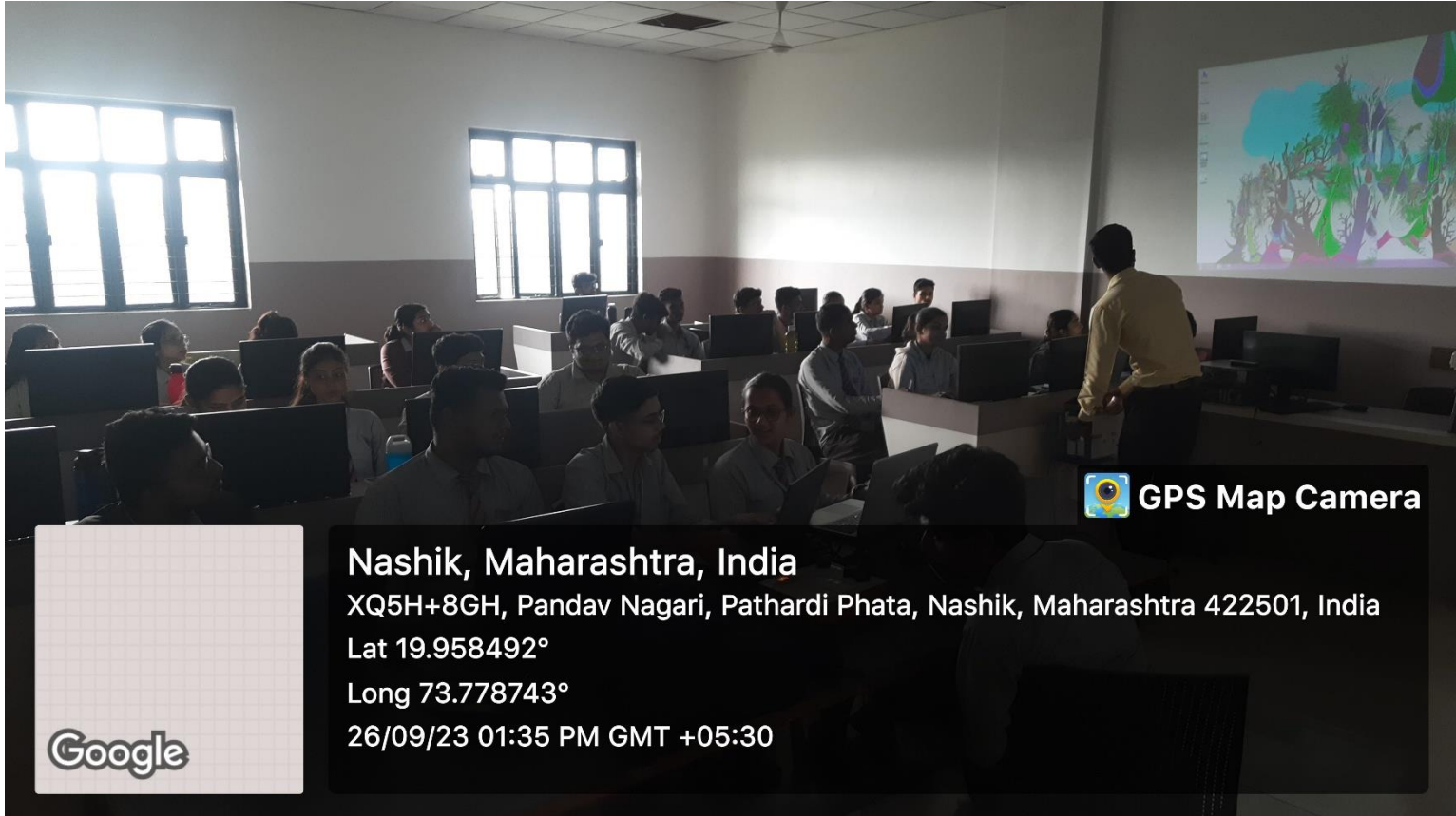


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 XQ5H+8GH, Pandav Nagari, Pathardi Phata, Nashik, Maharashtra 422501, India
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Nashik, Maharashtra, India
 XQ5H+8GH, Pandav Nagari, Pathardi Phata, Nashik, Maharashtra 422501, India
 Lat 19.958492°
 Long 73.778743°
 25/09/23 03:56 PM GMT +05:30

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



 **GPS Map Camera**

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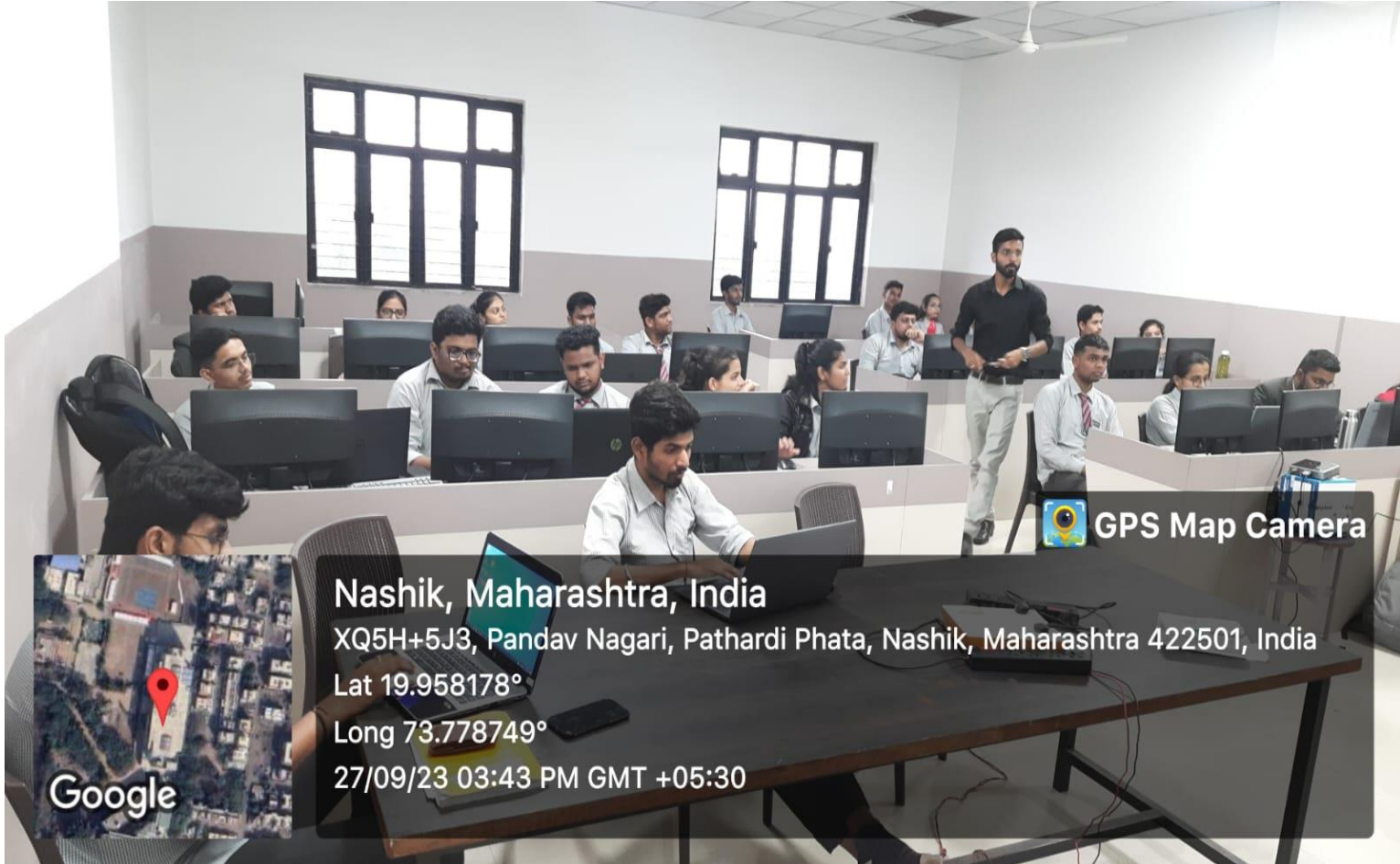
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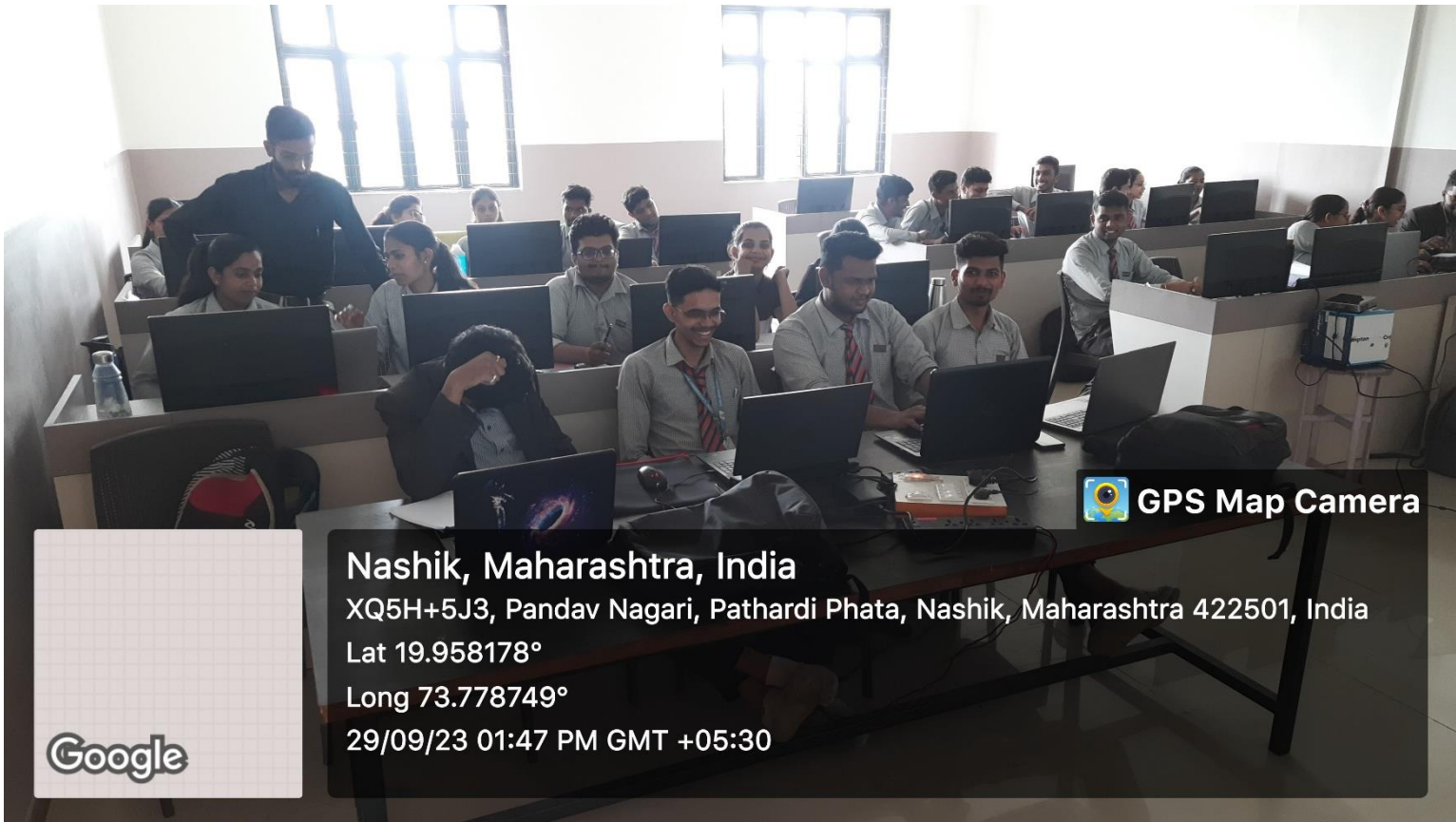
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Day & Date	Content	Time
Day 2 26.09.2023	Timers, Counters, Analog Programming on PLC, Industrial examples programming on Schneider PLC	10:00AM to 05:00 PM



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



 **GPS Map Camera**

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Long 73.778749°

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



GPS Map Camera



Nashik, Maharashtra, India
 XQ5H+5J3, Pandav Nagari, Pathardi Phata, Nashik, Maharashtra 422501,
 India
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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



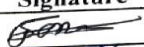

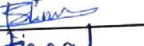
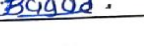
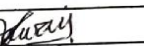
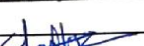
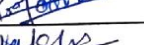
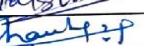







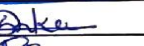

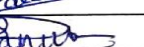
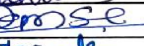


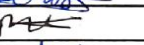





Certificate Distribution Ceremony of the final year students in the presence of Vice Principal of GCOERC, HoD EE & the electrical engineering staff on 30.09.2023

Attendance for the Workshop

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
1		Prasad Pramod Sonar	
2		HUSAIN MURTAZA SAKY	
3		Payal Kiran Shinde	
4		Bagad utkarsh jagdish	
5		Ashvini Ramdas Bagul	
6		Owais Nisar Ahmed Shaikh	
7		Vaishnavi Tukaram Ahire	
8		Kiran Sandip Jadhav	
9		Nakshi Milind Barve	
10		Tushar Ramesh Chauhan	
11		Mitali Shivaji Muthal	
12		Gauri Purushottam Kulkarni	
13		ATHARV AVINASH GURAV	
14		Rajas kshatriya	
15		Tejas Satish Nikam	
16		Sarthak sanjeev shukla	
17		Siddhesh shyam kadam	
18		Amev hadkar	
19		Tejas Sopan Lokhande	
20		Onkar Dnyaneshwar Shelar	
21		Akshata bhole	
22		Lina Anil Pawar	
23		Devendra Bhagwan Jachak	
24		Pooja pandharinath demse	
25		Shinde Akshada Somnath	
26		Aditya Deepak Satpute	
27		Grajesh Demse	
28		sonawane Bhushan	
29		Mahek Raju Tadavi	
30			
31			
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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25		Shinde Akshada Somnath				
26		Aditya Deepak Satpute				
27		sonawane Bhushan				
28		mahek Raju Tadavi				
29		Gayatri demse				

Ms. Shamal Dhamal
Asst. Prof.

Dr. Rahul Agrawal
HoD, EE