ESTD - 1928

SNJB

SNJB'S Late Sau K B Jain College of Engineering, Chandwad
Department of Electronics & Telecommunication Engineering

Academic Year: 2022-23	Class: BE
Semester: I	Date: 29/10/2022

Title of Innovation method/activity: Virtual Lab.

Name of Faculty: Prof. Mechkul M. A.

Subject: PLC SCADA and Automation

Objective: To implement logic on PLC virtual lab.

Topic Covered through Activity:

1. Implementation Of PLC Arithmetic Instructions
2. Study of PID controller instruction for a pilot plant

Benefits: Virtual Lab concept to implement said logic in PLC program

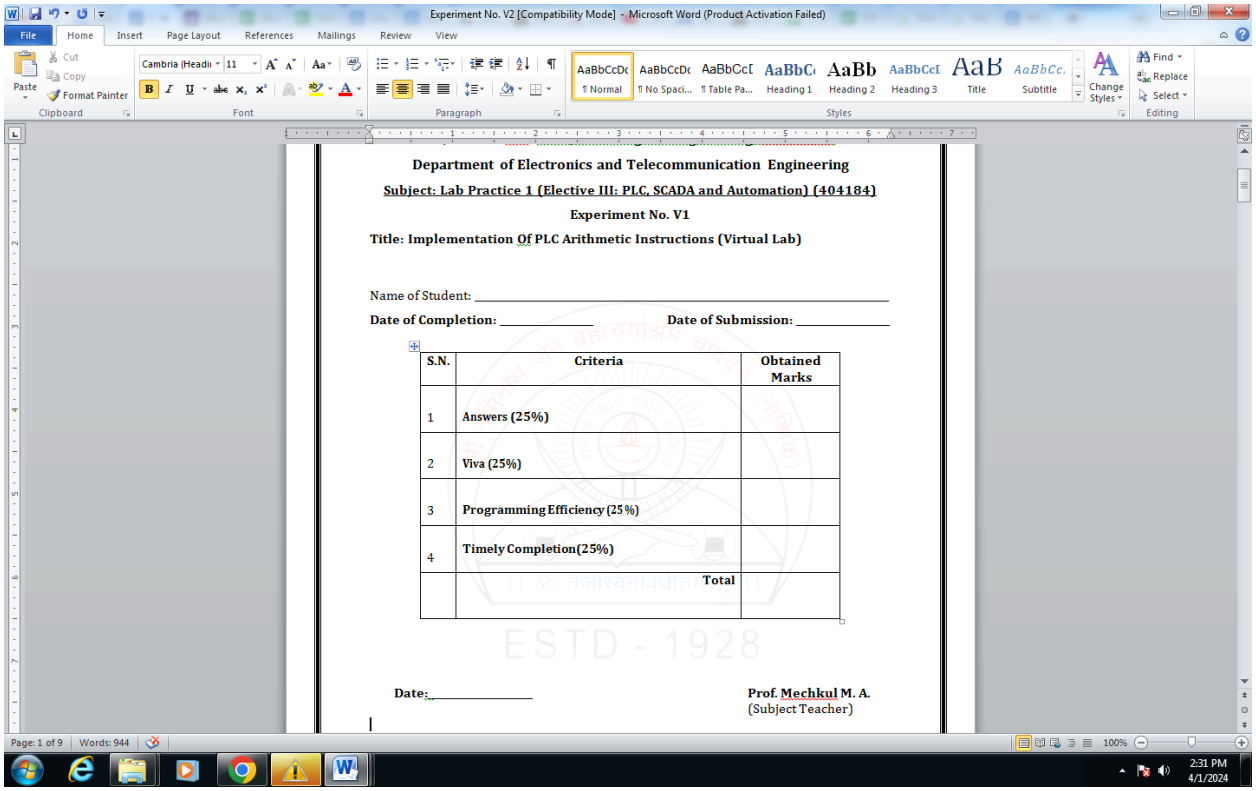
The method:

- Students can access virtual lab through following links:
    1. http://plc-coep.vlabs.ac.in/exp7/Theory.html?domain=Electrical%20Engineering&lab=Welcome%20to%20Programmable%20Logic%20Controller%20Lab.
    2. http://plc-coep.vlabs.ac.in/exp8/Aim.html?domain=Electrical%20Engineering&lab=Programmable%20Logic%20Controller%20Lab
- As per procedure given in virtual lab, students prepare the ladder diagram
- Students observe the result through simulation.

Assessment Tools & Rubrics:

- **As per practical rubrics.**

Evaluation Sheet:



Department of Electronics and Telecommunication Engineering

Subject: Lab Practice 1 (Elective III: PLC, SCADA and Automation) (404184)

Experiment No. V1

Title: Implementation Of PLC Arithmetic Instructions (Virtual Lab)

Name of Student: _____

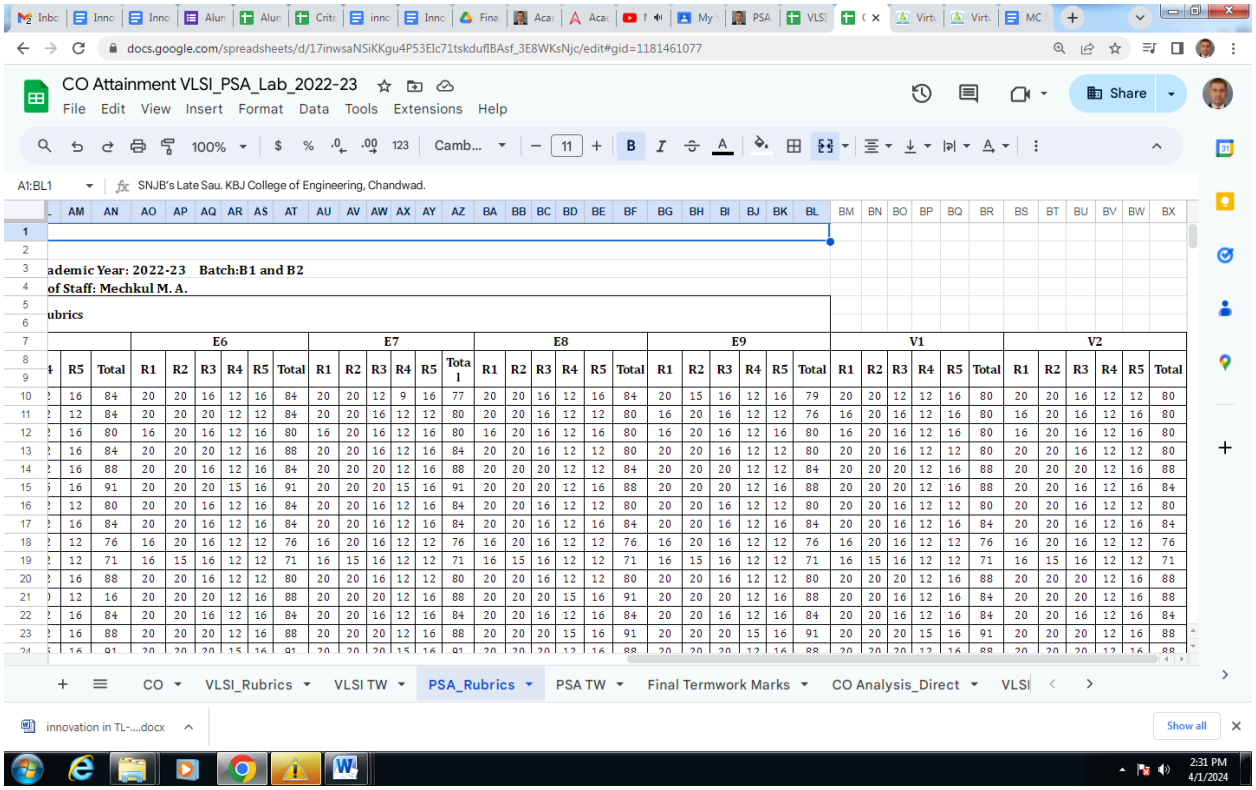
Date of Completion: _____ Date of Submission: _____

S.N.	Criteria	Obtained Marks
1	Answers (25%)	
2	Viva (25%)	
3	Programming Efficiency (25%)	
4	Timely Completion(25%)	
	Total	

Date:_____

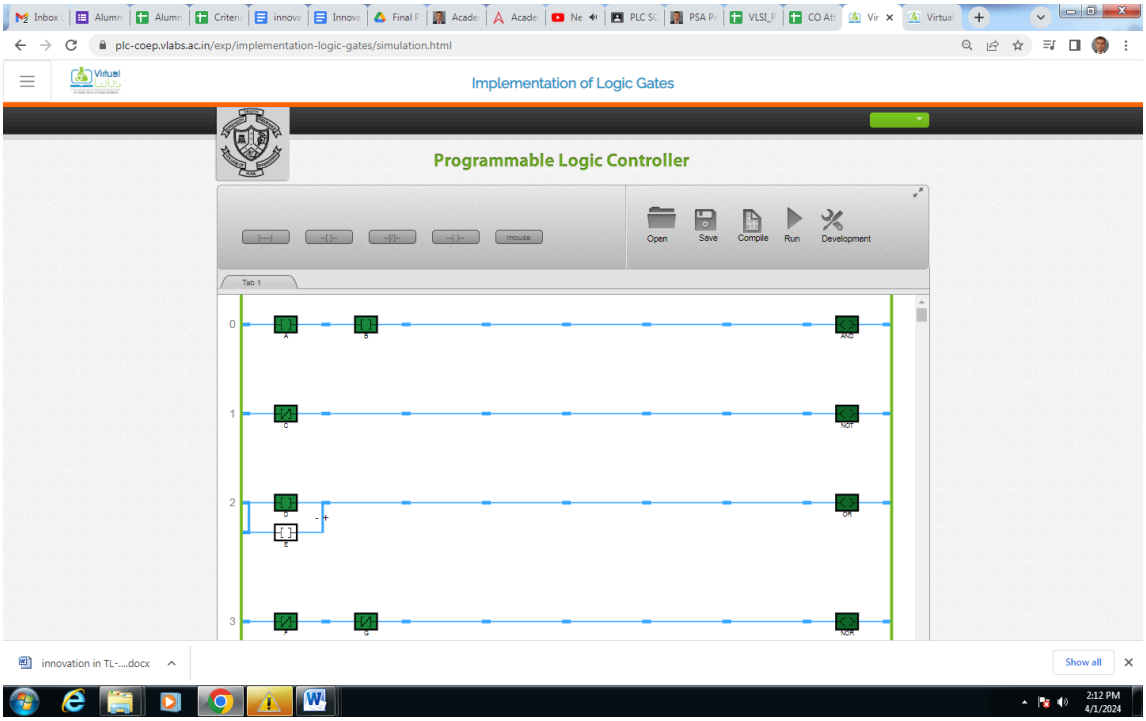
Prof. Mechkul M. A.
(Subject Teacher)

Impact Analysis (Show the impact of the activity in examination)



https://docs.google.com/spreadsheets/d/17inwsaNSiKKgu4P53EIc71tskduflBAsf_3E8WKsNjc/edit#gid=1181461077

Activity Picture (Add picture of the activity if possible)



For review and critique contact: e-mail address of faculty and HOD

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Subject In charge	Module Coordinator	HoD
Prof. Mechkul M. A.	Prof. Baste S. B.	Prof. Dr. Agrawal R K