



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

Academic Year: 2022-23	Class: BE
Semester: II	Date: 27/04/2022

Title of Innovation method/activity: Virtual Lab.

Name of Faculty: Prof. Mechkul M. A.

Subject: PLC 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

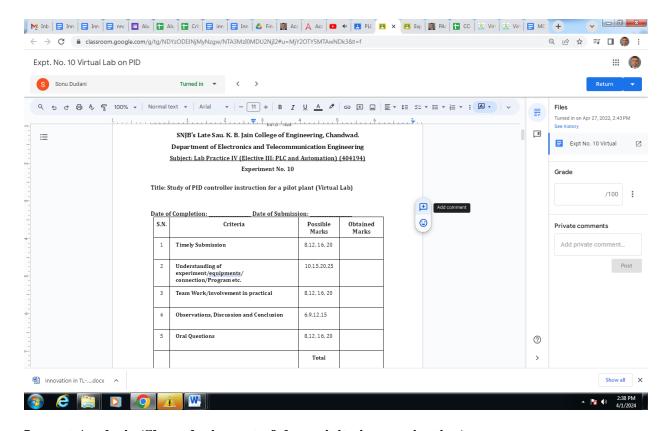
The method:

- 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.

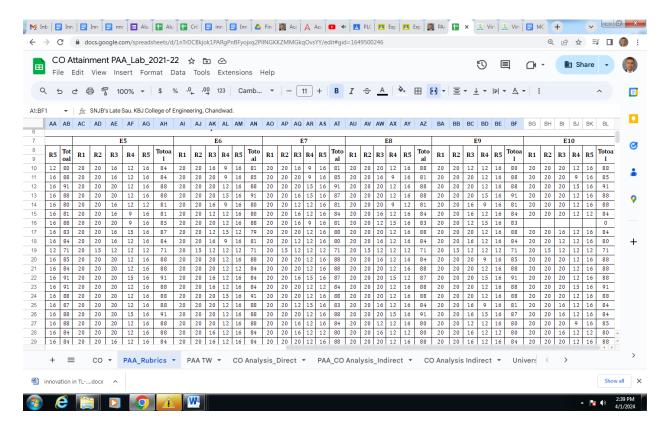
Assessment Tools & Rubrics:

• As per practical rubrics.

Evaluation Sheet:

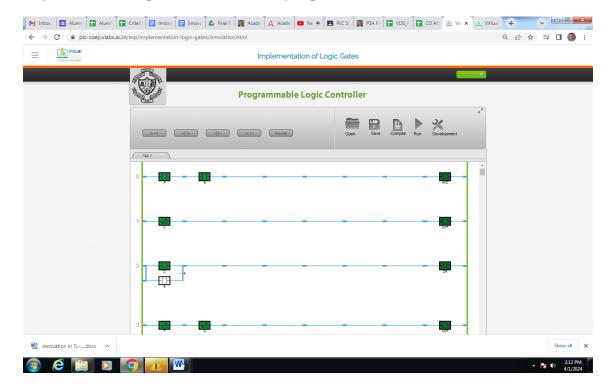


Impact Analysis (Show the impact of the activity in examination)



https://docs.google.com/spreadsheets/d/1nTrDCBkjok1PARgPnBFyojxq2PllNGKKZMMGkqOvsYY/edit#gid=1649500246

Activity Picture (Add picture of the activity if possible)



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

mechkul.macoe@snjb.org hodentccoe@snjb.org

Subject In charge Module Coordinator HoD

Prof. Mechkul M. A. Prof. Baste S. B. Prof. Dr. Agrawal R K