

Part A :- Click on following link to perform Virtual lab Experiment.

Virtual Lab Experiments to be performed.

Sr No	Department/Discipline	Lab Name	Experiment Name	Direct Link
1	Electronics & Communications	Digital Electronics Lab (1) (New)	Verification and interpretation of truth table for AND, OR, NOT, NAND, NOR, Ex-OR, Ex-NOR gates.	https://de-iitr.vlabs.ac.in/exp/truth-table-gates/
2	Electronics & Communications	Basic Electronics Lab	Familiarisation with Resistor	http://vlabs.iitkgp.ac.in/be/exp1/index.html
3	Electronics & Communications	Basic Electronics Lab	Familiarisation with Capacitor	http://vlabs.iitkgp.ac.in/be/exp2/index.html
4	Electronics & Communications	Basic Electronics Lab	VI Characteristics of a Diode	http://vlabs.iitkgp.ac.in/be/exp5/index.html
5	Electronics & Communications	Basic Electronics Lab	Half Wave Rectification	http://vlabs.iitkgp.ac.in/be/exp6/index.html
6	Electronics & Communications	Basic Electronics Lab	Full Wave Rectification	http://vlabs.iitkgp.ac.in/be/exp7/index.html
7	Electronics & Communications	Basic Electronics Lab	Zener Diode-Voltage Regulator	http://vlabs.iitkgp.ac.in/be/exp10/index.html#
8	Electronics & Communications	Basic Electronics Lab	Study of basic properties of Operational Amplifier: Inverting and Non-Inverting Amplifiers**	http://vlabs.iitkgp.ac.in/be/exp17/index.html
10	Electronics & Communications	Digital Applications Lab (New)	Washing machine control using basic AND and NOT gates	https://da-iitb.vlabs.ac.in/exp/washin-machine-control/
11	Electronics & Communications	Digital Applications Lab (New)	Basics of OR gate and its application in industrial control	https://da-iitb.vlabs.ac.in/exp/industrial-control/
12	Electronics & Communications	Digital Applications Lab (New)	Basic NOT gate and its application in fuel level indicator	https://da-iitb.vlabs.ac.in/exp/fuel-level-indicator/
13	Electronics & Communications	Digital Applications Lab (New)	Seat belt warning system using basic AND and NOT gates	https://da-iitb.vlabs.ac.in/exp/seat-belt-warning-system/
14	Electronics & Communications	Digital Applications Lab (New)	Basics of AND gate and its application in car wiper control	https://da-iitb.vlabs.ac.in/exp/car-wiper-control/
15	Electronics & Communications	Digital Applications Lab (New)	Water level control using basic AND and NOT gates	https://da-iitb.vlabs.ac.in/exp/water-level-control/index.html
16	Electronics & Communications	Digital Applications Lab (New)	Electronic lock using basic logic gates	https://da-iitb.vlabs.ac.in/exp/electronic-lock/

17	Electronics & Communications	Digital Applications Lab (New)	Universal NAND gate and its application in level monitoring in chemical plant	https://da-iitb.vlabs.ac.in/exp/level-monitoring-chemical-plant/
18	Electronics & Communications	Digital Applications Lab (New)	Universal NOR gate and its application in automobile alarm system	https://da-iitb.vlabs.ac.in/exp/automobile-alarm-system/
19	Electronics & Communications	Digital Applications Lab (New)	XOR gate and its application in staircase light control	https://da-iitb.vlabs.ac.in/exp/staircase-light-control/
20	Electronics & Communications	Digital Applications Lab (New)	Majority circuit using basic logic gates	https://da-iitb.vlabs.ac.in/exp/majority-circuit/
21	Electronics & Communications	Digital Applications Lab (New)	Cockpit warning light control using basic logic gates	https://da-iitb.vlabs.ac.in/exp/cockpit-warning-light-control/
22	Electronics & Communications	Digital Applications Lab (New)	DIY Build your own combinational logic circuit using generalized simulator	https://da-iitb.vlabs.ac.in/exp/generalized-simulator/index.html

Perform all above experiments till 12th May 2023.

After performance of all above experiments (Part A), you have to submit feedback (Part B).

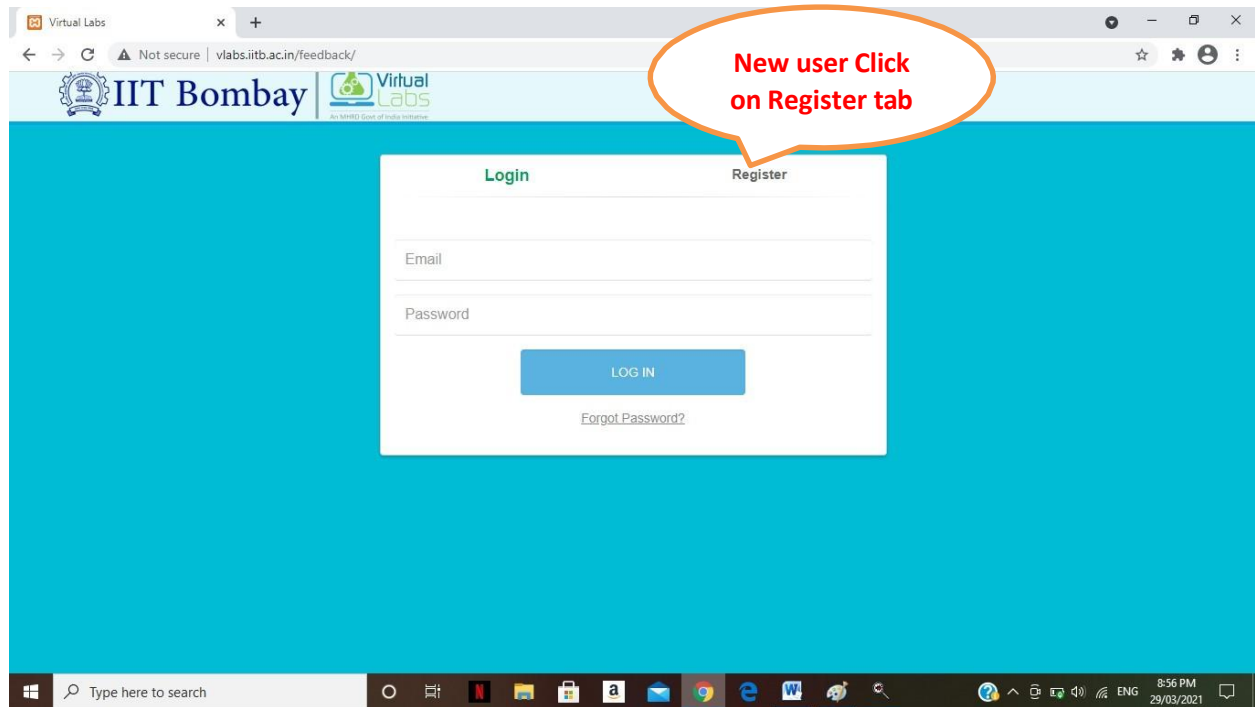
Time Table :

Sr No	Date	Day	Time	Division
1	12 May 2023	Friday	4:30pm – 7:00pm	A,B,C,D,E
2	13 May 2023	Saturday	4:30pm – 7:00pm	F,G,H,I J
3	14 May 2023	Sunday	4:30pm – 7:00pm	K,L M,N,O
4	15 May 2023	Monday	4:30pm – 7:00pm	P,Q,R,S,T

As per the above timetable respective division will submit feedback on scheduled date only.

Part B :- Steps for Feedback submission-

1. Click on link : <https://iitb.vlabs.co.in/feedback/>



2. Register through **Vishwakarma Institute of Technology, Pune** as a Nodal center(VLNC ID:13) (Please directly login if already registered)

Virtual Labs

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IIT Bombay

Virtual Labs

Register

* All fields are compulsory

* Select Viabs - IITB Nodal Center

- 1 Vidya Vikas Education Trusts, Universal College of Engineering, Navi Mumbai
- 2 L.D.College of Engineering, Ahmedabad-GTU
- 3 GURU NANAK KHALSA COLLEGE OF ARTS,SCIENCE AND COMMERCE, Mumbai
- 4 Bharati Vidyapeeth Deemed to be University College of Engineering, Pune, Pune
- 5 Shree Swaminarayan Institute Of Technology, Bhat, Ahmedabad-GTU
- 6 Dr. S & S.S. Gandhi Government Engineering college, Surat , Ahmedabad-GTU
- 7 Bansilal Ramnath Agarwal Charitable Trust,s Vishwakarma Institute of Information Technology , Pune_2019
- 8 Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, Pune.
- 9 Walchand College of Engineering, Sangli, Pune
- 10 K.J Somaiya college of engineering, Mumbai
- 11 Government Engineering College Gandhinagar, Ahmedabad-GTU
- 12 Priyadarshini Institute of Engineering and Technology, Nagpur,, Nagpur
- 13 Vishwakarma Institute of Technology, Pune
- 14 International Centre of Excellence in Engineering and Management (ICEEM) Aurangabad, Aurangabad
- 15 Vidyaiankar Institute of Technology, Mumbai
- 16 Marathwada Institute of Technology,Aurangabad, Aurangabad
- 17 PVGs College of Engineering, Nashik, Pune
- 18 Rajendra Mane College of Engineering and Technology, Pune
- 19 G. H. Raisoni College of Engineering Nagpur, Nagpur

* Roll No / Faculty Id Number

3. Fill all details carefully. Please Enter Student PRN number instead of Roll no.
(Note- for branches not mentioned in the list like AIDS Branch Click on Other Discipline and mention their respective branch name)

Virtual Labs

Not secure | vlabs.iitb.ac.in/feedback/register.php

IIT Bombay

Virtual Labs

Register

* All fields are compulsory

* Select Viabs - IITB Nodal Center

* Students Faculty

* Select Course

If others, please specify

* Select Discipline

If others, please specify

* Select Semester

Roll No / Faculty Id Number

1549

Enter PRN instead of Roll no.

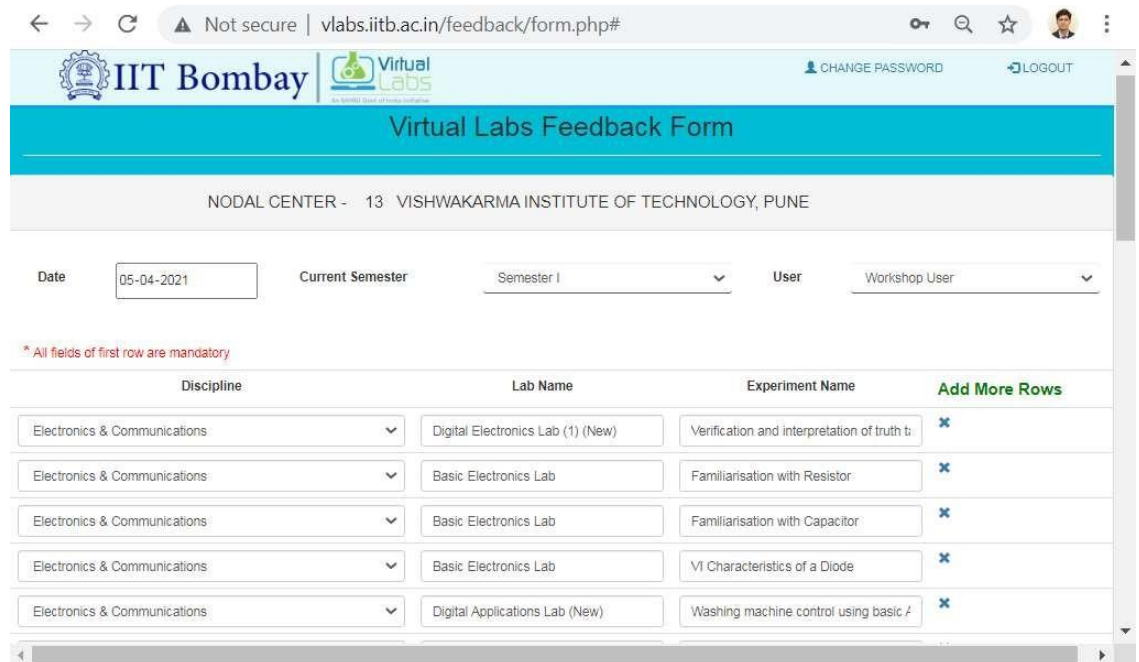
Register with official email id (xyz20@vit.edu)

4. After successfully registration, click on Login.



5. After successfully login Feedback home page is appeared as below.

- **Select Current Semester- I**
- **User-Workshop User**
- **For Discipline tab, Lab Name & Experiment Name tabs, please refer table given below.**
- **After selecting discipline please type lab name and Experiment name.**



Discipline	Lab Name	Experiment Name	
Electronics & Communications	Digital Electronics Lab (1) (New)	Verification and Interpretation of truth t	x
Electronics & Communications	Basic Electronics Lab	Familiarisation with Resistor	x
Electronics & Communications	Basic Electronics Lab	Familiarisation with Capacitor	x
Electronics & Communications	Basic Electronics Lab	VI Characteristics of a Diode	x
Electronics & Communications	Digital Applications Lab (New)	Washing machine control using basic /	x

Feedback form Table-

Discipline	Lab Name	Experiment Name
Electronics & Communications	Digital Electronics Lab (1) (New)	Verification and interpretation of truth table for AND, OR, NOT, NAND, NOR, Ex-OR, Ex-NOR gates.
Electronics & Communications	Basic Electronics Lab	Familiarisation with Resistor
Electronics & Communications	Basic Electronics Lab	Familiarisation with Capacitor
Electronics & Communications	Basic Electronics Lab	VI Characteristics of a Diode
Electronics & Communications	Basic Electronics Lab	Half Wave Rectification
Electronics & Communications	Basic Electronics Lab	Full Wave Rectification
Electronics & Communications	Basic Electronics Lab	Zener Diode-Voltage Regulator
Electronics & Communications	Basic Electronics Lab	Study of basic properties of Operational Amplifier: Inverting and Non-Inverting Amplifiers**
Electronics & Communications	Digital Applications Lab (New)	Washing machine control using basic AND and NOT gates
Electronics & Communications	Digital Applications Lab (New)	Basics of OR gate and its application in industrial control
Electronics & Communications	Digital Applications Lab (New)	Basic NOT gate and its application in fuel level indicator
Electronics & Communications	Digital Applications Lab (New)	Seat belt warning system using basic AND and NOT gates
Electronics & Communications	Digital Applications Lab (New)	Basics of AND gate and its application in car wiper control
Electronics & Communications	Digital Applications Lab (New)	Water level control using basic AND and NOT gates
Electronics & Communications	Digital Applications Lab (New)	Electronic lock using basic logic gates
Electronics & Communications	Digital Applications Lab (New)	Universal NAND gate and its application in level monitoring in chemical plant
Electronics & Communications	Digital Applications Lab (New)	Universal NOR gate and its application in automobile alarm system
Electronics &	Digital	XOR gate and its application

Communications	Applications Lab (New)	in staircase light control
Electronics & Communications	Digital Applications Lab (New)	Majority circuit using basic logic gates
Electronics & Communications	Digital Applications Lab (New)	Cockpit warning light control using basic logic gates
Electronics & Communications	Digital Applications Lab (New)	DIY Build your own combinational logic circuit using generalized simulator

Important Note: Students should perform all 22 experiments and also *mention all 22 experiments names* in feedback form as shown in table above.

6. Answer the all Questionnaire mentioned in Form.

The screenshot shows the IIT Bombay Virtual Labs Feedback Form. The form is titled "IIT Bombay Virtual Labs" and includes a "Questionnaire" section. The questionnaire asks students to indicate their agreement with the following statements:

- The degree to which the actual lab environment is simulated *
- The manuals were to be found helpful *
- The results of experiment were easily interpretable *

For each statement, there are five radio button options: Excellent, Very Good, Good, Fair, and Poor. The form also includes a "Select Discipline" dropdown menu and a "Basic Electronics Lab" section with a table for recording experiment details.

7. **Take Screenshot** of your feedback form (*Rename this file as Div-Roll no. Ex. G-09*) and **submit** the same on following link.

https://drive.google.com/drive/folders/1w07kB47ctB264aDwQCjN-q_9I7RRxwoU?usp=sharing

8. Click on Submit button.

The screenshot shows a web browser window with the URL `viabs.iitb.ac.in/feedback/form.php#`. The page header includes the IIT Bombay logo and the Virtual Labs logo, along with links for [CHANGE PASSWORD](#) and [LOGOUT](#). The form contains three text input fields with the following labels:

- How helpful is the system *
- Specify the problems/difficulties you faced while performing the experiments *
- Indicate aspects you found interesting about the experiments *

A blue **Submit** button is located at the bottom right of the form, circled in red. The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock indicating 9:44 PM on 29/03/2021.