

## VIRTUAL LABORATORY

**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.	Computer Engineering	Computer Programming Lab	<b>Numerical Approximation :</b> Calculate the area under the curve using approximation techniques.	<a href="https://cse02-iiith.vlabs.ac.in/exp/numerical-approximation/">https://cse02-iiith.vlabs.ac.in/exp/numerical-approximation/</a>
2.	Computer Engineering	Computer Programming Lab	<b>Functions :</b> How to write functions and how to call them with proper arguments.	<a href="https://cse02-iiith.vlabs.ac.in/exp/functions/">https://cse02-iiith.vlabs.ac.in/exp/functions/</a>
3.	Computer Engineering	Computer Programming Lab	<b>Advanced Control Flow:</b> How various looping constructs can be used to find the factorial of a positive integer and how nesting of loops can be done to create a pattern of any size that looks like a pyramid.	<a href="https://cse02-iiith.vlabs.ac.in/exp/advanced-control-flow/">https://cse02-iiith.vlabs.ac.in/exp/advanced-control-flow/</a>
4.	Computer Engineering	Computer Programming Lab	<b>Arrays :</b> Experiment on sorting of elements of an array and Experiment on multiplication of 2 matrices.	<a href="https://cse02-iiith.vlabs.ac.in/exp/arrays/">https://cse02-iiith.vlabs.ac.in/exp/arrays/</a>
5.	Computer Engineering	Computer Programming Lab	<b>Basic Control Flow :</b> A program for finding whether a point is inside or outside rectangle and A program for selecting a day in the week using switch construct	<a href="https://cse02-iiith.vlabs.ac.in/exp/basic-control-flow/">https://cse02-iiith.vlabs.ac.in/exp/basic-control-flow/</a>
6.	Computer Engineering	Computer Programming Lab	<b>Structures:</b> Program to define structures as per the requirement and perform operations on it.	<a href="https://cse02-iiith.vlabs.ac.in/exp/structures/">https://cse02-iiith.vlabs.ac.in/exp/structures/</a>
7.	Computer Engineering	Computer Programming Lab	<b>Pointers:</b> A program to understand call by value and call by reference.	<a href="https://cse02-iiith.vlabs.ac.in/exp/pointers/">https://cse02-iiith.vlabs.ac.in/exp/pointers/</a>
8.	Computer Engineering	Computer Programming Lab	<b>Recursion:</b> A program to show show you how to solve the classical puzzle of Towers of Hanoi through recursion.	<a href="https://cse02-iiith.vlabs.ac.in/exp/cp-recursion/">https://cse02-iiith.vlabs.ac.in/exp/cp-recursion/</a>
9.	Computer Engineering	Computer Programming Lab	<b>Expression Evaluation:</b> Programs to demonstrate various operators.	<a href="https://cse02-iiith.vlabs.ac.in/exp/cp-expression-evaluation/">https://cse02-iiith.vlabs.ac.in/exp/cp-expression-evaluation/</a>

Perform all above experiments till 19<sup>th</sup> June 2022. After performance of all above experiments (Part A), you have to submit feedback (Part B).

**Part B: Schedule of Virtual Lab Feedback 1 for Computer Programming Lab (Under PSAP Lab) :**

Sr No	Date	Day	Time	Division
1	20 June 2022	Monday	4:30pm – 7:00pm	A,B,C,D,E
2	21 June 2022	Tuesday	4:30pm – 7:00pm	F,G,H,I J
3	22 June 2022	Wednesday	4:30pm – 5:00pm	K,L M,N,O
4	23 June 2022	Thursday	4:30pm – 7:00pm	P Q,R,S,T

As per the above timetable respective division will submit the virtual lab feedback 1 for first 9 Assignments on scheduled date and time only.

**Steps for Feedback submission-**

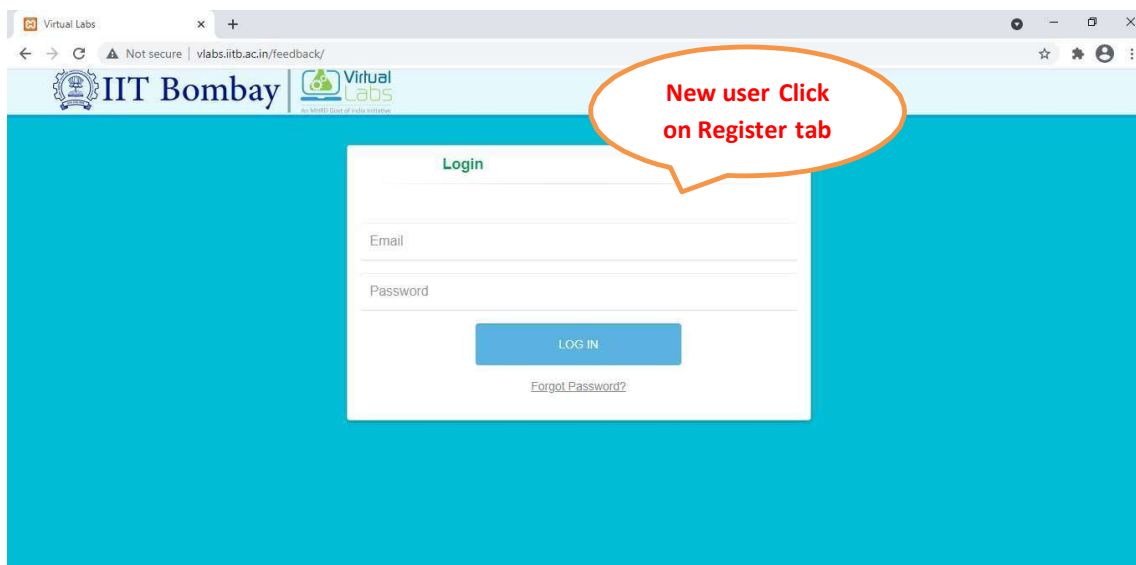
1. Click on link : <http://vlabs.iitb.ac.in/feedback/>

2. Registration need to be done **only once**

This registration will be applicable to all the subjects throughout 4 years of B. Tech Course.

If already registered then directly Login using existing credentials


Else register by following steps.




3. Register through Vishwakarma Institute of Technology, Pune as a Nodal center(VLNC ID:13)

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

 **IIT Bombay**

 **Virtual Labs**  
Academy of Excellence in Engineering Education

Login

Register

\* All fields are compulsory

\* Select Vlabs - IITB Nodal Center

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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. Ghandhy 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 Vidyalankar 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

4. Fill all the details carefully. Please Enter Student PRN number instead of Roll no.
5. Select branch in which you have taken the admission  
(Note- for AIDS Branch Click on Other Discipline and mention their AIDS branch name)

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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.

6. After successfully registration, click on Login.

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Login

Register

sagar.janokar@vit.edu

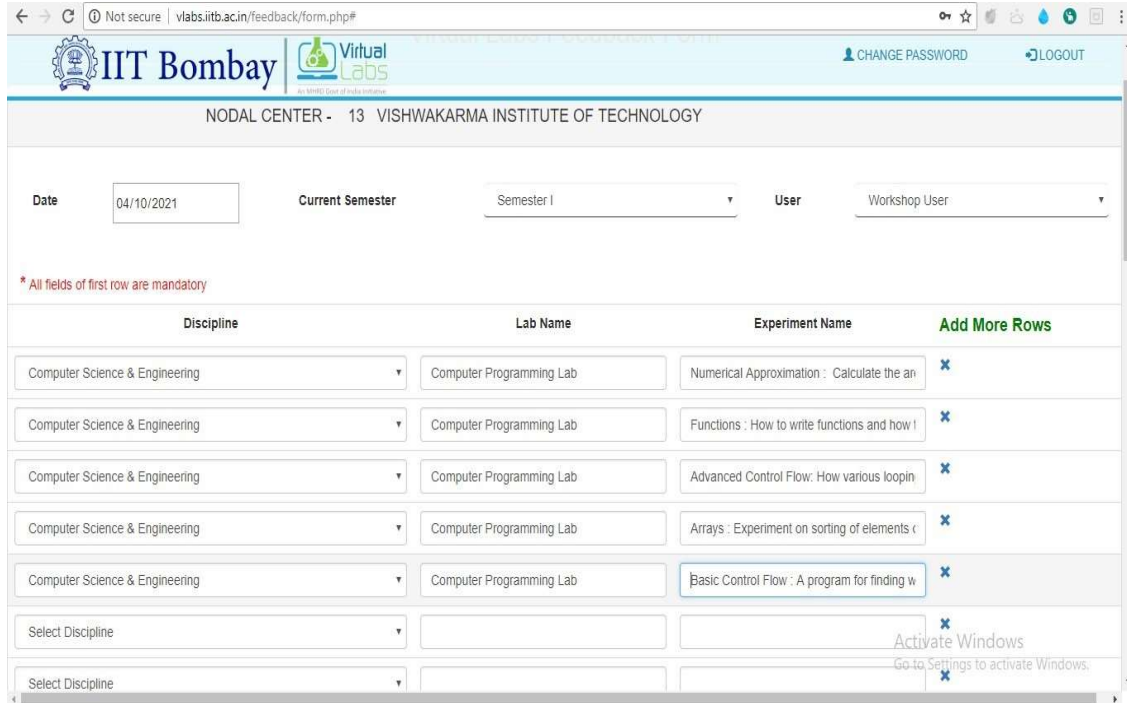
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LOG IN

[Forgot Password?](#)

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

- **Select Current Semester- II**
- **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.**
- **Important Note:** Students should *mention first 9 experiment statements as per given list in Feedback 1* in feedback form as shown in table.



The screenshot shows the IIT Bombay Virtual Labs Feedback Form. The page header includes the IIT Bombay logo and 'Virtual Labs' branding. The breadcrumb trail reads 'NODAL CENTER - 13 VISHWAKARMA INSTITUTE OF TECHNOLOGY'. The form contains several input fields and dropdown menus for user information.

**Date:** 04/10/2021

**Current Semester:** Semester I

**User:** Workshop User

\* All fields of first row are mandatory

Discipline	Lab Name	Experiment Name	
Computer Science & Engineering	Computer Programming Lab	Numerical Approximation : Calculate the an	X
Computer Science & Engineering	Computer Programming Lab	Functions : How to write functions and how !	X
Computer Science & Engineering	Computer Programming Lab	Advanced Control Flow: How various loopin	X
Computer Science & Engineering	Computer Programming Lab	Arrays : Experiment on sorting of elements c	X
Computer Science & Engineering	Computer Programming Lab	Basic Control Flow : A program for finding w	X
Select Discipline			X
Select Discipline			X

Activate Windows  
Go to Settings to activate Windows.

### Feedback form Table-

Sr No	Department/ Discipline	Lab Name	Experiment Name
<b>Assignment List for Virtual Lab Feedback 1:</b>			
1.	Computer Engineering	Computer Programming Lab	<b>Numerical Approximation :</b> Calculate the area under the curve using approximation techniques.
2.	Computer Engineering	Computer Programming Lab	<b>Functions :</b> How to write functions and how to call them with proper arguments.
3.	Computer Engineering	Computer Programming Lab	<b>Advanced Control Flow:</b> How various looping constructs can be used to find the factorial of a positive integer and how nesting of loops can be done to create a pattern of any size that looks like a pyramid.
4.	Computer Engineering	Computer Programming Lab	<b>Arrays :</b> Experiment on sorting of elements of an array and Experiment on multiplication of 2 matrices.
5.	Computer Engineering	Computer Programming Lab	<b>Basic Control Flow :</b> A program for finding whether a point is inside or outside rectangle and A program for selecting a day in the week using switch construct
6.	Computer Engineering	Computer Programming Lab	<b>Structures:</b> Program to define structures as per the requirement and perform operations on it.
7.	Computer Engineering	Computer Programming Lab	<b>Pointers:</b> A program to understand call by value and call by reference.
8.	Computer Engineering	Computer Programming Lab	<b>Recursion:</b> A program to show show you how to solve the classical puzzle of Towers of Hanoi through recursion.
9.	Computer Engineering	Computer Programming Lab	<b>Expression Evaluation:</b> Programs to demonstrate various operators.

8. Answer all Questionnaire mentioned in Form.

Virtual Labs Feedback Form

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Virtual Labs - Electronics & Comm

Basic Electronics

Electronics & Communications

Basic Electronics Lab

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Electronics & Communications

Basic Electronics Lab

Study of basic properties of operational amp.

Select Discipline

Select Discipline

Select Discipline

Select Discipline

Questionnaire

Please indicate your agreement with the following statements

The degree to which the actual lab environment is simulated \*

Excellent Very Good Good Fair Poor

The manuals were to be found helpful \*

Excellent Very Good Good Fair Poor

The results of experiment were easily interpretable \*

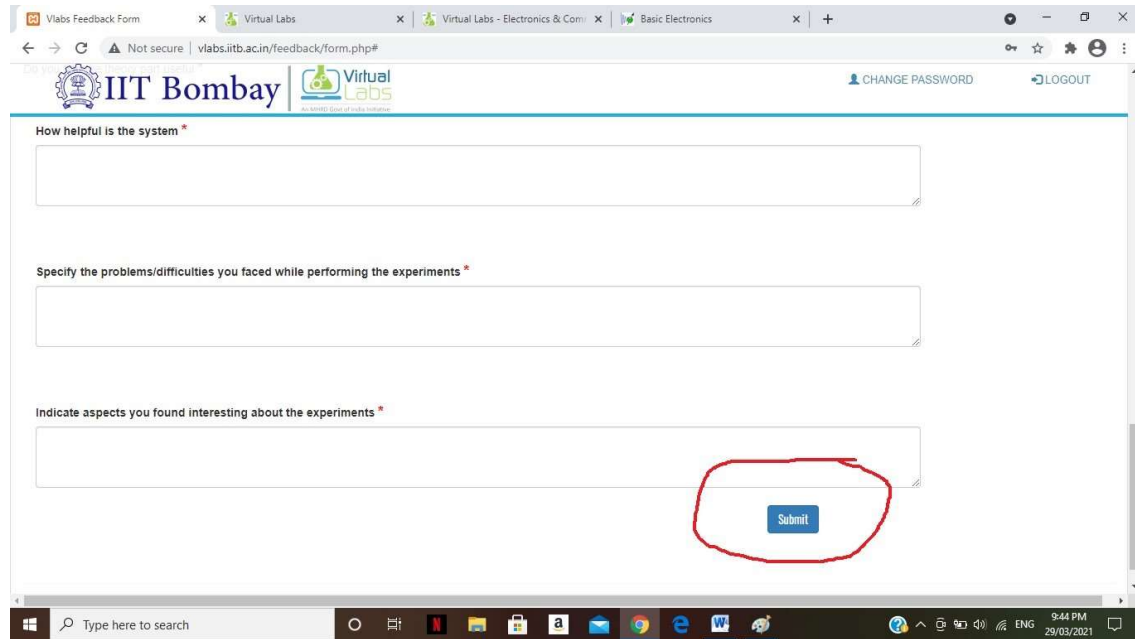
Excellent Very Good Good Fair Poor

9. Take **Screenshot** of your feedback form(Rename this file as Div-Roll no.

Ex. G-09) and **UPLOAD** the same on following link.

<https://drive.google.com/drive/folders/1mVSs46EnHuP4M-McAbsYdiOXNm8d6Cj?usp=sharing>

10. 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. The main content area contains three text input fields for feedback, each with a red asterisk indicating it is required. The first field is labeled "How helpful is the system \*". The second field is labeled "Specify the problems/difficulties you faced while performing the experiments \*". The third field is labeled "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 browser's address bar shows the URL and a "Not secure" warning. The Windows taskbar at the bottom displays the search bar and various application icons.

Viabs Feedback Form

Virtual Labs

Virtual Labs - Electronics & Com

Basic Electronics

Not secure | viabs.iitb.ac.in/feedback/form.php#

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CHANGE PASSWORD

LOGOUT

How helpful is the system \*

Specify the problems/difficulties you faced while performing the experiments \*

Indicate aspects you found interesting about the experiments \*

Submit

Type here to search

9:44 PM 29/03/2021