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	**Numerical Approximation :** Calculate the area under the curve using approximation techniques.	https://cse02-iiith.vlabs.ac.in/exp/numerical-approximation/
2.	Computer Engineering	Computer Programming Lab	**Functions :** How to write functions and how to call them with proper arguments.	https://cse02-iiith.vlabs.ac.in/exp/functions/
3.	Computer Engineering	Computer Programming Lab	**Advanced Control Flow:** 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.	https://cse02-iiith.vlabs.ac.in/exp/advanced-control-flow/
4.	Computer Engineering	Computer Programming Lab	**Arrays :** Experiment on sorting of elements of an array and Experiment on multiplication of 2 matrices.	https://cse02-iiith.vlabs.ac.in/exp/arrays/
5.	Computer Engineering	Computer Programming Lab	**Basic Control Flow :** 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	https://cse02-iiith.vlabs.ac.in/exp/basic-control-flow/
6.	Computer Engineering	Computer Programming Lab	**Structures:** Program to define structures as per the requirement and perform operations on it.	https://cse02-iiith.vlabs.ac.in/exp/structures/
7.	Computer Engineering	Computer Programming Lab	**Pointers:** A program to understand call by value and call by reference.	https://cse02-iiith.vlabs.ac.in/exp/pointers/
8.	Computer Engineering	Computer Programming Lab	**Recursion**: A program to show show you how to solve the classical puzzle of Towers of Hanoi through recursion.	https://cse02-iiith.vlabs.ac.in/exp/cp-recursion/
9.	Computer Engineering	Computer Programming Lab	**Expression Evaluation:** Programs to demonstrate various operators.	https://cse02-iiith.vlabs.ac.in/exp/cp-expression-evaluation/

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

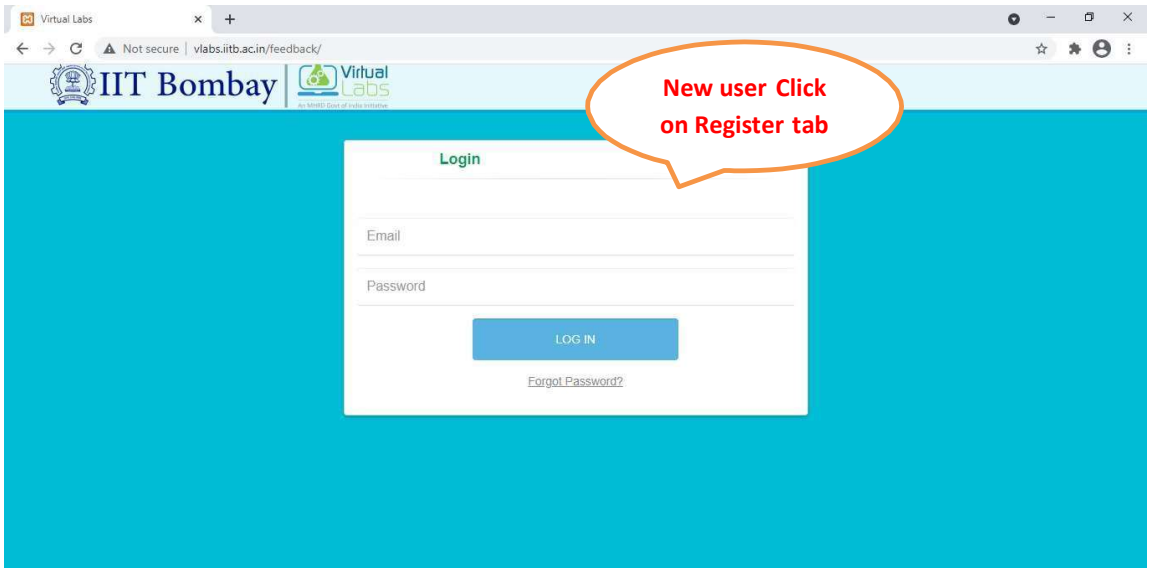
Part B: Schedule of Virtual Lab Feedback 1 for Computer Programming Lab (Under PSAP Lab) :

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

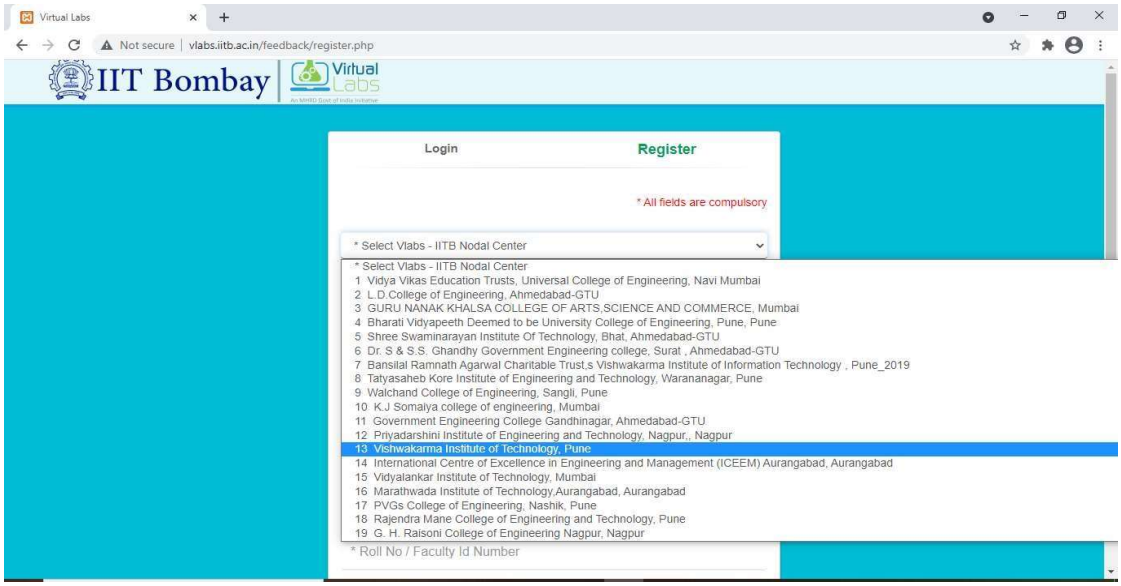
As per the above timetable respective division will submit the virtual lab feedback 1 for first 9 Assignments on scheduled date and time only.

Steps for Feedback submission-

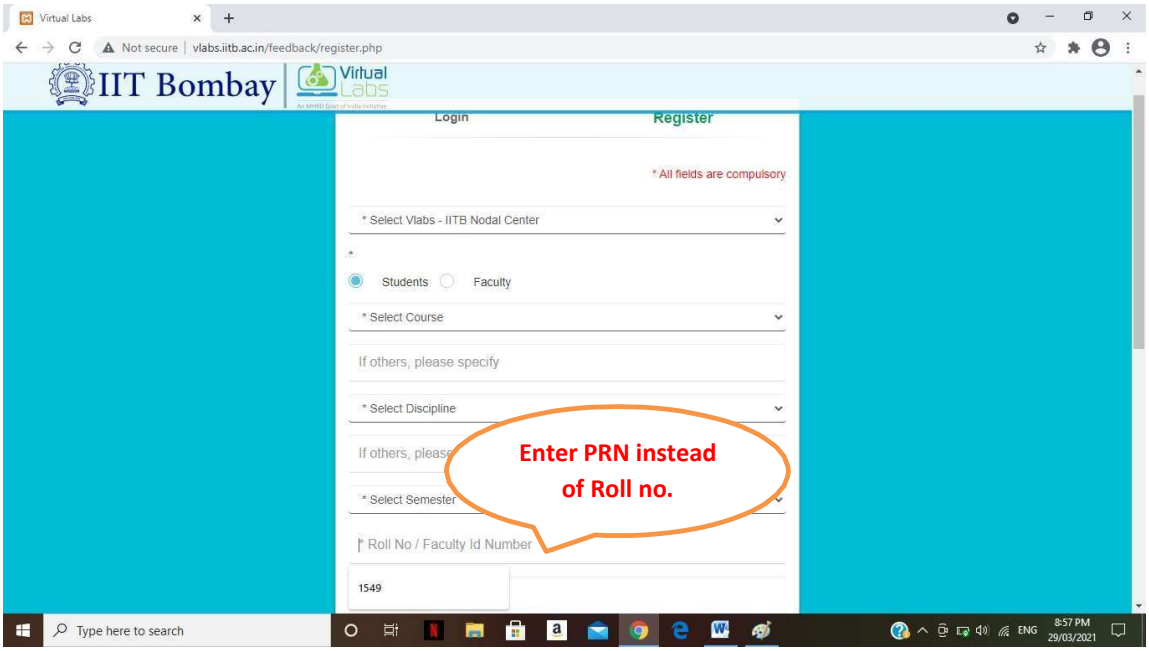
1. Click on link : http://vlabs.iitb.ac.in/feedback/
2. **Registration need to be done only once**
   This registration will be applicable to all the subjects throughout 4 years of B. Tech Course.
   If already registered then directly Login using existing credentials
   Else register by following steps.



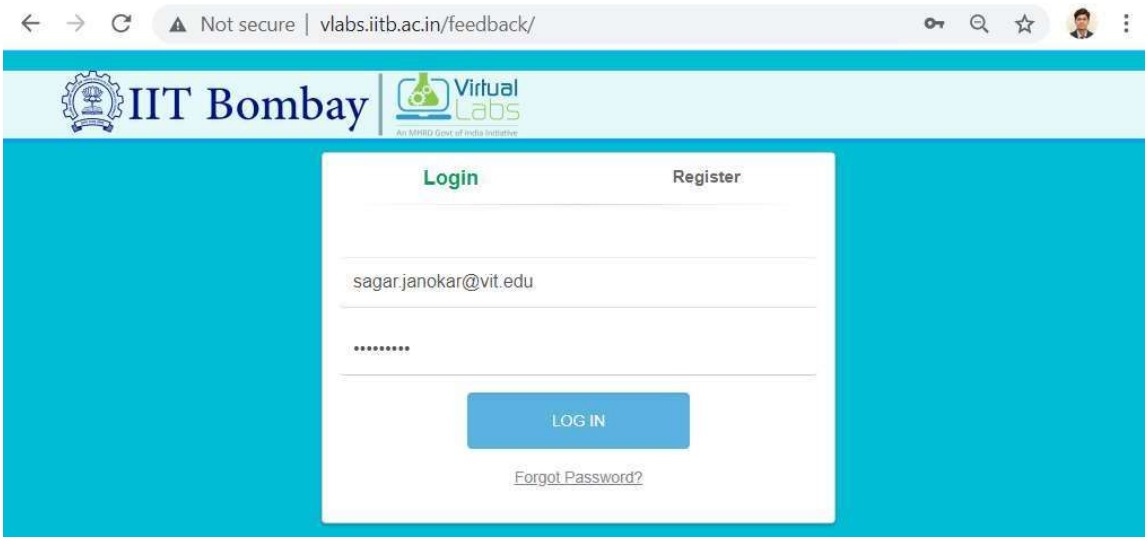
3. Register through **Vishwakarma Institute of Technology, Pune as a Nodal center(VLNC ID:13)**


Virtual Labs
Not secure | vlabs.iitb.ac.in/feedback/register.php
IIT Bombay
Virtual Labs
Login
Register
* All fields are compulsory
* Select Vlabs - IITB Nodal Center
* Select Vlabs - 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. 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)

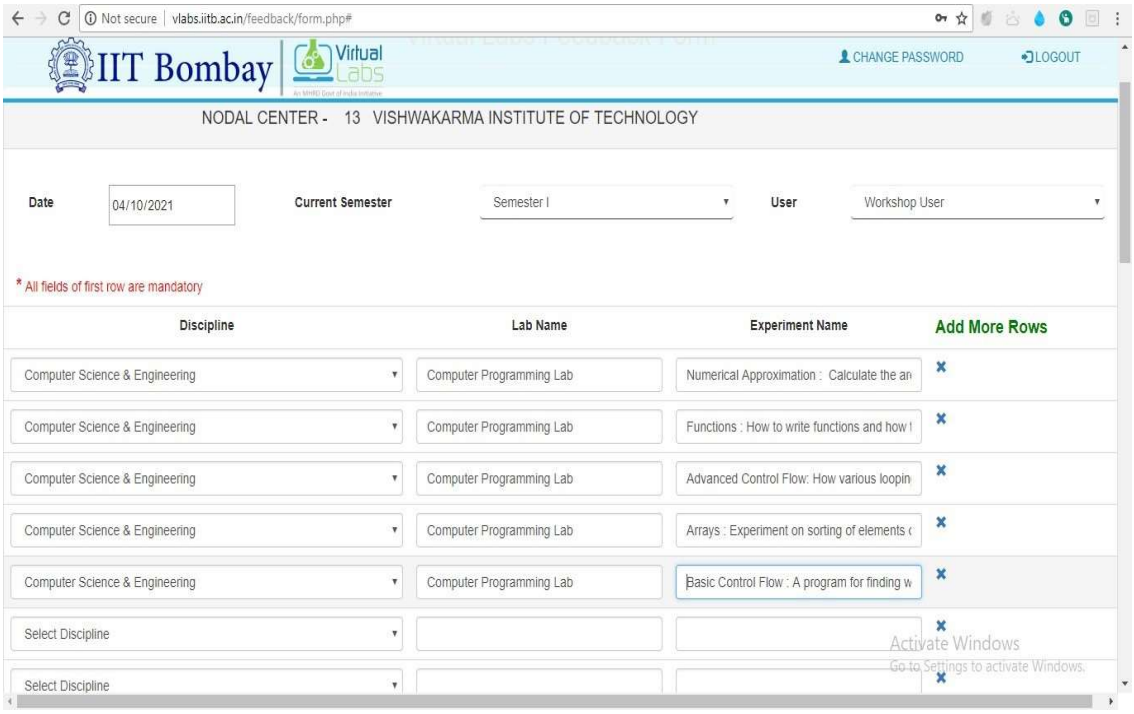


6. After successfully registration, click on Login.



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.**

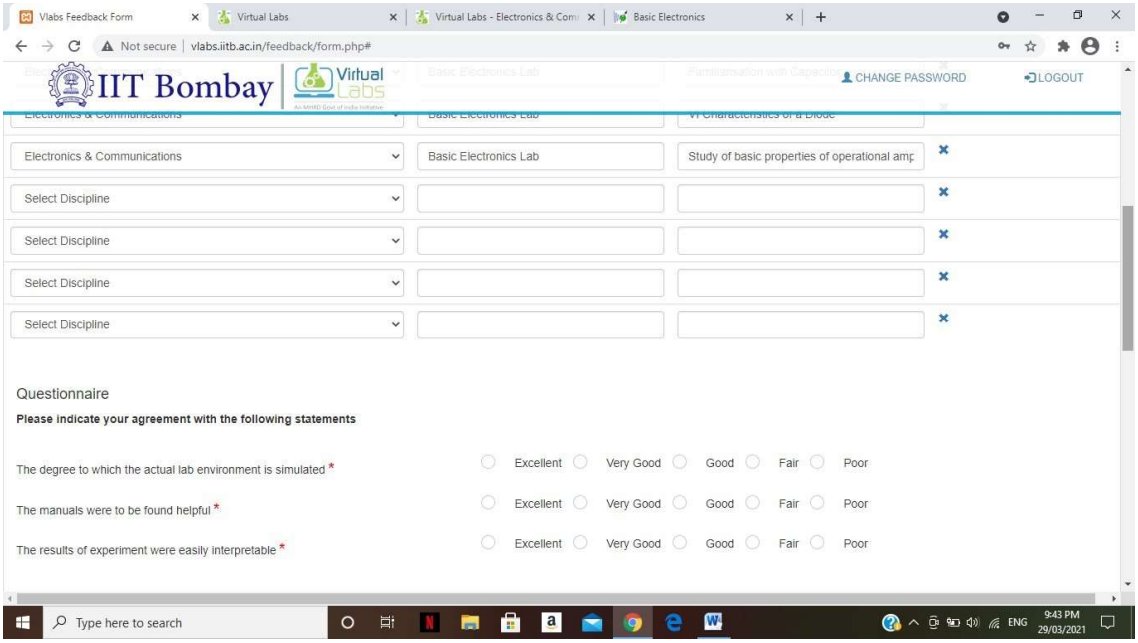
- **After selecting discipline, please type lab name and Experiment name.**
- **Important Note:** Students should ***mention first 9 experiment statements as per given list in Feedback 1*** in feedback form as shown in table.



Feedback form Table-

Sr No	Department/ Discipline	Lab Name	Experiment Name
Assignment List for Virtual Lab Feedback 1:			
1.	Computer Engineering	Computer Programming Lab	**Numerical Approximation :** Calculate the area under the curve using approximation techniques.
2.	Computer Engineering	Computer Programming Lab	**Functions :** How to write functions and how to call them with proper arguments.
3.	Computer Engineering	Computer Programming Lab	**Advanced Control Flow:** 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	**Arrays :** Experiment on sorting of elements of an array and Experiment on multiplication of 2 matrices.
5.	Computer Engineering	Computer Programming Lab	**Basic Control Flow :** 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	**Structures:** Program to define structures as per the requirement and perform operations on it.
7.	Computer Engineering	Computer Programming Lab	**Pointers:** A program to understand call by value and call by reference.
8.	Computer Engineering	Computer Programming Lab	**Recursion**: A program to show show you how to solve the classical puzzle of Towers of Hanoi through recursion.
9.	Computer Engineering	Computer Programming Lab	**Expression Evaluation:** Programs to demonstrate various operators.

8. Answer all Questionnaire mentioned in Form.



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-McAbsYdiOXNlm8d6Cj?usp=sharing

10. Click on Submit button.