

LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES



COMPUTER SCIENCE ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18CS33, 18CS34, 18CSL37	Computer Organization and Architecture Lab	http://vlabs.iitkgp.ernet.in/coa/
2	18CS33, 18CS34, 18CSL37	Computer Systems Organization Lab	http://cse11-iiith.vlabs.ac.in
3	18CS33	Hybrid Electronics Lab	http://he-coep.vlabs.ac.in/
4	18CS32, 18CSL38	Data structures	http://cse01-iiith.vlabs.ac.in/
5	18ELN14, 18ELN24, 18ELE13, 18ELE17, 18ELE23, 18ELE27	Basic Electronics Virtual Lab	http://vlabs.iitkgp.ernet.in/be/#
6	18CS52, 18CSL57	Advanced Network Technologies Virtual Lab	http://vlabs.iitkgp.ernet.in/ant/
7	18CS35, 18CSL58, 18CS53, 18CS642	Software Engineering Lab	http://vlabs.iitkgp.ernet.in/se/
8	18CS71, 18CSL76	Artificial Neural Networks Lab	http://cse22-iiith.vlabs.ac.in/
9	18CS743	Natural Language Processing Lab	http://nlp-iiith.vlabs.ac.in/
10	18CS741	Image Processing Lab	http://cse19-iiith.vlabs.ac.in/
11	18CS62, 18CSL67	Computer Graphics	http://cse18-iiith.vlabs.ac.in/
12	18CS744	Cryptography	http://cse29-iiith.vlabs.ac.in/
13	18CS42	Computer Programming Lab	http://cse02-iiith.vlabs.ac.in/

LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES



14	18CS42	Problem Solving Lab	http://ps-iiith.vlabs.ac.in
15	18CS62, 18CSL67	Computer Graphics	http://vlabs.iitb.ac.in/vlabs-dev/labs/cglab/index.php
16	18CS63	Introduction to PHP	http://vlabs.iitb.ac.in/vlabs-dev/labs/phplab/labs/explist.php
17	18CS744	Computer Networking And Security	http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/Byte_Karma/labs/index.html
18	18CS52	Fundamentals of Computer Networks	http://vlabs.iitb.ac.in/vlabs-dev/labs/computer_network/labs/index.php

ELECTRONICS & COMMUNICATION

SI No.	Subject code	Corresponding VLab Name	Link
1	18ELN14, 18ELN24, 18ELE13, 18ELEL17, 18ELE23, 18ELEL27	Basic Electronics	http://vlabs.iitkgp.ernet.in/be/
2	18EC45	Signals and System Lab	http://ssl-iitg.vlabs.ac.in/
3	18EC32	Analog Signals Network and Measurement Lab	http://vlabs.iitkgp.ernet.in/asnm/
4	18EC32	Virtual Electric Circuits Lab	http://amrita.vlab.co.in/?sub=1&brch=75
5	18EC35, 18EC34, 18ECL38	Computer Architecture & Organization Lab	http://vlabs.iitkgp.ernet.in/coa/
6	18EC71, 18ECL76	Advanced Network Technologies Virtual Lab	http://vlabs.iitkgp.ernet.in/ant/
7	18EC34, 18ECL38	Hybrid Electronics Lab	http://he-coep.vlabs.ac.in/
8	18EC34, 18ECL38	Digital Electronic Circuits	http://vlabs.iitkgp.ernet.in/dec/
9	18EC34, 18ECL38	Digital Logic Design Lab	http://cse15-iiith.vlabs.ac.in/

LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES



10	18EC46, 18ECL47	8051 Microcontroller and Applications	http://vlabs.iitb.ac.in/vlabs-dev/labs/8051-Microcontroller-Lab/index.php
11	18EC52, 18ECL57	Digital Signal Processing	http://vlabs.iitkgp.ernet.in/dsp/
12	18EC63	RF and Microwave Characterization Lab	http://www.iitk.ac.in/mimt_lab/vlab/index.php
13	18EC34, 18ECL38	Digital Applications	http://vlabs.iitb.ac.in/vlabs-dev/labs/digital_application/labs/index.php
14	18EC34, 18ECL38	Digital Logic Design	http://vlabs.iitb.ac.in/vlabs-dev/labs/dldesignlab/labs/explist.php
15	18EC34, 18ECL38	Digital Electronics	http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/cool_developers/labs/index.html
16	18EC34, 18ECL38	Digital logic design using gates	http://vlabs.iitb.ac.in/vlabs-dev/labs/dldgates/labs/index.php
17	18EC71, 18ECL76	Fundamentals of Computer Networks	http://vlabs.iitb.ac.in/vlabs-dev/labs/computer_network/labs/index.php
18	18EC32	Network Theory	http://vlabs.iitb.ac.in/vlabs-dev/labs/network_lab/labs/explist.php
19	18EC42, 18ECL48	Integrated Circuits Analysis Lab	http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/electronerds/labs/index.html
20	18EC45	Signals & Systems	http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/signals/labs/index.php
21	18EC36	Power Electronics	http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/power_electronics/labs/index.php
22	18EC34, 18ECL38	Digital Electronics	http://vlabs.iitb.ac.in/vlabs-dev/labs/digital-electronics/labs/index.html
23	18EC42, 18ECL48	Analog Electronics	http://vlabs.iitb.ac.in/vlabs-dev/labs/analog-electronics/labs/index.php

LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES



ELECTRICAL & ELECTRONICS ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18EE32	Analog Signals Network and Measurement Lab	http://vlabs.iitkgp.ernet.in/asnm/
2	18EE35, 18EEL38	Hybrid Electronics Lab	http://he-coep.vlabs.ac.in/
3	18 EE63, 18 EEL67	Digital Signal Processing	http://vlabs.iitkgp.ernet.in/dsp/
4	18EE35, 18EEL38	Digital Electronic Circuits	http://vlabs.iitkgp.ernet.in/dec/
5	18EEL37, 18EEL47	Electrical Machines (COEP) Lab	http://em-coep.vlabs.ac.in/
6	18EE L37, 18EEL47	Electrical Machines (IITG) Lab	http://vem-iitg.vlabs.ac.in/
7	18 EE54	Signals and System Lab	http://ssl-iitg.vlabs.ac.in/
8	18 EE741	Industrial Electric Drives Lab	http://ied-nitk.vlabs.ac.in/
9	18EE32	Virtual Electric Circuits Lab	http://amrita.vlab.co.in/?sub=1&brch=75
10	18EEL38	Computer Architecture & Organization Lab	http://vlabs.iitkgp.ernet.in/coa/
11	18EE52, 18EEL57	8051 Microcontroller and Applications	http://vlabs.iitb.ac.in/vlabs-dev/labs/8051-Microcontroller-Lab/index.php
12	18EE53	Power Electronics	http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/power_electronics/labs/index.php
13	18EE35, 18EEL38	Digital Applications	http://vlabs.iitb.ac.in/vlabs-dev/labs/digital_application/labs/index.php
14	18EE35, 18EEL38	Digital Logic Design	http://vlabs.iitb.ac.in/vlabs-dev/labs/dldesignlab/labs/explicit.php
15	18EE35, 18EEL38	Digital Electronics	http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/cool_developers/labs/index.htm

LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES



			1
16	18EE35, 18EEL38	Digital logic design using gates	http://vlabs.iitb.ac.in/vlabs-dev/labs/dldgates/labs/index.php
17	18EE35, 18EEL38	Digital Electronics	http://vlabs.iitb.ac.in/vlabs-dev/labs/digital-electronics/labs/index.html
18	18EEL37, 18EEL47	Electrical Machines (Simulation)	http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/Sadhya/labs/index.php

MECHANICAL ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18ME32, 18MEL37A	Mechanics of Materials/ Strength of materials	http://sm-nitk.vlabs.ac.in/#
2	18ME35A, 18MEL38B/48B	Metal Forming Lab	http://msvs-dei.vlabs.ac.in/
3	18MEL38A/B	Workshop and machine shop practice / General purpose lab for production shop simulation	http://gssl.iitk.ac.in/pssl/
4	18ME44	Kinematics of Machines/ Mechanics of Machine	http://mm-nitk.vlabs.ac.in/
5	18ME34, 18ME645, 18MEL47A	Metallurgy and Materials Engineering/ Material response to micro-structural, mechanical, thermal, and biological stimuli	http://mrmsmtbs-iitk.vlabs.ac.in/home%20page.html
6	18ME44, 18MEL57	Fluid Mechanics	http://fm-nitk.vlabs.ac.in/#

LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES



7	18ME42, 18MEL58	Applied Thermodynamics/ RT Virtual lab on Automotive systems	http://vlabs.iitkgp.ernet.in/rtvlas/
8	18ME54, 18MEL57	Turbo Machines / Fluid Machinery	http://fmc-nitk.vlabs.ac.in/
9	18ME63	Heat and Mass transfer	http://htv-au.vlabs.ac.in/
10	18ME53, 18ME644	Dynamics of machines/ Machine Dynamics and Mechanical Vibrations Lab	http://mdmv-nitk.vlabs.ac.in/
			http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/dynamics-of-machine-lab/labs/index.html
11	18ME72, 18MEL76, 18ME732	Computer aided design and manufacturing /Mechanisms and robotics lab	http://vlabs.iitkgp.ernet.in/mr/

CIVIL ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18CV32, 18CVL38	Strength of materials	http://sm-nitk.vlabs.ac.in/#
2	18CV33	Fluid Mechanics	http://fm-nitk.vlabs.ac.in/#
3	18CV33, 18CV43, 18CVL48	Hydraulics and Fluid Mechanic Lab	http://eerc03-iiith.vlabs.ac.in/
4	CE16-202, CE16-303, CE16-403,	Structural Dynamics lab and Structural Analysis Lab	http://bsa-iiith.vlabs.ac.in/ http://sd-iiith.vlabs.ac.in/
5	18CV32	Basic Engineering Mechanics and Strength of Materials lab	http://eerc01-iiith.vlabs.ac.in/

LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES



6	18CVL67	Environmental Engineering Laboratory 1	http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Environmental_Engineering_1/index.html
7	18CVL67	Environmental Engineering Laboratory 2	http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Environmental_Engineering_2/index.html
8	18CVL58	Marine Structures Lab	http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Marine_Structures_Lab/index.html
9	18CV56	Transportation Engineering Lab	http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Transportation_Engineering_Lab/index.html
10	18CV33	Fluid Machinery Lab	http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/fluid-machinery-lab/index.html
11	18CV36, 18CVL47, 18CV54, 18CVL77	Mining Geology Lab	http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/geology-lab/index.html