



### LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES

#### COMPUTER SCIENCE ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18CS33, 18CS34, 18CSL37	Computer Organisation and Architecture Lab	<a href="http://vlabs.iitkgp.ernet.in/coa/">http://vlabs.iitkgp.ernet.in/coa/</a>
2	18CS33, 18CS34, 18CSL37	Computer Systems Organisation Lab	<a href="http://cse11-iiith.vlabs.ac.in">http://cse11-iiith.vlabs.ac.in</a>
3	18CS33	Hybrid Electronics Lab	<a href="http://he-coep.vlabs.ac.in/">http://he-coep.vlabs.ac.in/</a>
4	18CS32, 18CSL38	Data structures	<a href="http://cse01-iiith.vlabs.ac.in/">http://cse01-iiith.vlabs.ac.in/</a>
5	18ELN14, 18ELN24, 18ELE13, 18ELE17, 18ELE23, 18ELE27	Basic Electronics Virtual Lab	<a href="http://vlabs.iitkgp.ernet.in/be/#">http://vlabs.iitkgp.ernet.in/be/#</a>
6	18CS52, 18CSL57	Advanced Network Technologies Virtual Lab	<a href="http://vlabs.iitkgp.ernet.in/ant/">http://vlabs.iitkgp.ernet.in/ant/</a>
7	18CS35, 18CSL58, 18CS53, 18CS642	Software Engineering Lab	<a href="http://vlabs.iitkgp.ernet.in/se/">http://vlabs.iitkgp.ernet.in/se/</a>
8	18CS71, 18CSL76	Artificial Neural Networks Lab	<a href="http://cse22-iiith.vlabs.ac.in/">http://cse22-iiith.vlabs.ac.in/</a>
9	18CS743	Natural Language Processing Lab	<a href="http://nlp-iiith.vlabs.ac.in/">http://nlp-iiith.vlabs.ac.in/</a>
10	18CS741	Image Processing Lab	<a href="http://cse19-iiith.vlabs.ac.in/">http://cse19-iiith.vlabs.ac.in/</a>
11	18CS62, 18CSL67	Computer Graphics	<a href="http://cse18-iiith.vlabs.ac.in/">http://cse18-iiith.vlabs.ac.in/</a>
12	18CS744	Cryptography	<a href="http://cse29-iiith.vlabs.ac.in/">http://cse29-iiith.vlabs.ac.in/</a>
13	18CS42	Computer Programming Lab	<a href="http://cse02-iiith.vlabs.ac.in/">http://cse02-iiith.vlabs.ac.in/</a>
14	18CS42	Problem Solving Lab	<a href="http://ps-iiith.vlabs.ac.in">http://ps-iiith.vlabs.ac.in</a>
15	18CS62, 18CSL67	Computer Graphics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/cglab/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/cglab/index.php</a>
16	18CS63	Introduction to PHP	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/phplab/labs/explist.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/phplab/labs/explist.php</a>



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17	18CS744	Computer Networking And Security	<a href="http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/Byte_Karma/labs/index.html">http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/Byte_Karma/labs/index.html</a>
18	18CS52	Fundamentals of Computer Networks	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/computer_network/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/computer_network/labs/index.php</a>

### ELECTRONICS & COMMUNICATION

SI No.	Subject code	Corresponding VLab Name	Link
1	18ELN14, 18ELN24, 18ELE13, 18ELE17, 18ELE23, 18ELE27	Basic Electronics	<a href="http://vlabs.iitkgp.ernet.in/be/">http://vlabs.iitkgp.ernet.in/be/</a>
2	18EC45	Signals and System Lab	<a href="http://ssl-iitg.vlabs.ac.in/">http://ssl-iitg.vlabs.ac.in/</a>
3	18EC32	Analog Signals Network and Measurement Lab	<a href="http://vlabs.iitkgp.ernet.in/asnm/">http://vlabs.iitkgp.ernet.in/asnm/</a>
4	18EC32	Virtual Electric Circuits Lab	<a href="http://amrita.vlab.co.in/?sub=1&amp;brch=75">http://amrita.vlab.co.in/?sub=1&amp;brch=75</a>
5	18EC35, 18EC34, 18ECL38	Computer Architecture & Organization Lab	<a href="http://vlabs.iitkgp.ernet.in/coa/">http://vlabs.iitkgp.ernet.in/coa/</a>
6	18EC71, 18ECL76	Advanced Network Technologies Virtual Lab	<a href="http://vlabs.iitkgp.ernet.in/ant/">http://vlabs.iitkgp.ernet.in/ant/</a>
7	18EC34, 18ECL38	Hybrid Electronics Lab	<a href="http://he-coep.vlabs.ac.in/">http://he-coep.vlabs.ac.in/</a>
8	18EC34, 18ECL38	Digital Electronic Circuits	<a href="http://vlabs.iitkgp.ernet.in/dec/">http://vlabs.iitkgp.ernet.in/dec/</a>
9	18EC34, 18ECL38	Digital Logic Design Lab	<a href="http://cse15-iiith.vlabs.ac.in/">http://cse15-iiith.vlabs.ac.in/</a>
10	18EC46, 18ECL47	8051 Microcontroller and Applications	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/8051-Microcontroller-Lab/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/8051-Microcontroller-Lab/index.php</a>
11	18EC52, 18ECL57	Digital Signal Processing	<a href="http://vlabs.iitkgp.ernet.in/dsp/">http://vlabs.iitkgp.ernet.in/dsp/</a>
12	18EC63	RF and Microwave Characterization Lab	<a href="http://www.iitk.ac.in/mimt_lab/vlab/index.php">http://www.iitk.ac.in/mimt_lab/vlab/index.php</a>
13	18EC34, 18ECL38	Digital Applicatons	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/digital_application/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/digital_application/labs/index.php</a>
14	18EC34, 18ECL38	Digital Logic Design	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/dldesignlab/labs/explist.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/dldesignlab/labs/explist.php</a>



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15	18EC34, 18ECL38	Digital Electronics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/cool_developers/labs/index.html">http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/cool_developers/labs/index.html</a>
16	18EC34, 18ECL38	Digital logic design using gates	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/dldgates/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/dldgates/labs/index.php</a>
17	18EC71, 18ECL76	Fundamentals of Computer Networks	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/computer_network/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/computer_network/labs/index.php</a>
18	18EC32	Network Theory	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/network_lab/labs/explist.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/network_lab/labs/explist.php</a>
19	18EC42, 18ECL48	Integrated Circuits Analysis Lab	<a href="http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/elect_ronersds/labs/index.html">http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/elect_ronersds/labs/index.html</a>
20	18EC45	Signals & Systems	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/signals/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/signals/labs/index.php</a>
21	18EC36	Power Electronics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/power_elect_ronics/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/power_elect_ronics/labs/index.php</a>
22	18EC34, 18ECL38	Digital Electronics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/digital-electronics/labs/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/digital-electronics/labs/index.html</a>
23	18EC42, 18ECL48	Analog Electronics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/analog-electronics/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/analog-electronics/labs/index.php</a>

### ELECTRICAL & ELECTRONICS ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18EE32	Analog Signals Network and Measurement Lab	<a href="http://vlabs.iitkgp.ernet.in/asnm/">http://vlabs.iitkgp.ernet.in/asnm/</a>
2	18EE35, 18EEL38	Hybrid Electronics Lab	<a href="http://he-coep.vlabs.ac.in/">http://he-coep.vlabs.ac.in/</a>
3	18 EE63, 18 EEL67	Digital Signal Processing	<a href="http://vlabs.iitkgp.ernet.in/dsp/">http://vlabs.iitkgp.ernet.in/dsp/</a>
4	18EE35, 18EEL38	Digital Electronic Circuits	<a href="http://vlabs.iitkgp.ernet.in/dec/">http://vlabs.iitkgp.ernet.in/dec/</a>



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5	18EEL37, 18EEL47	Electrical Machines (COEP) Lab	<a href="http://em-coep.vlabs.ac.in/">http://em-coep.vlabs.ac.in/</a>
6	18EE L37, 18EEL47	Electrical Machines (IITG) Lab	<a href="http://vem-iitg.vlabs.ac.in/">http://vem-iitg.vlabs.ac.in/</a>
7	18 EE54	Signals and System Lab	<a href="http://ssl-iitg.vlabs.ac.in/">http://ssl-iitg.vlabs.ac.in/</a>
8	18 EE741	Industrial Electric Drives Lab	<a href="http://ied-nitk.vlabs.ac.in/">http://ied-nitk.vlabs.ac.in/</a>
9	18EE32	Virtual Electric Circuits Lab	<a href="http://amrita.vlab.co.in/?sub=1&amp;brch=75">http://amrita.vlab.co.in/?sub=1&amp;brch=75</a>
10	18EEL38	Computer Architecture & Organization Lab	<a href="http://vlabs.iitkgp.ernet.in/coa/">http://vlabs.iitkgp.ernet.in/coa/</a>
11	18EE52, 18EEL57	8051 Microcontroller and Applications	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/8051-Microcontroller-Lab/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/8051-Microcontroller-Lab/index.php</a>
12	18EE53	Power Electronics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/power_electronics/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/power_electronics/labs/index.php</a>
13	18EE35, 18EEL38	Digital Applications	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/digital_application/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/digital_application/labs/index.php</a>
14	18EE35, 18EEL38	Digital Logic Design	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/dldesignlab/labs/explist.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/dldesignlab/labs/explist.php</a>
15	18EE35, 18EEL38	Digital Electronics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/cool_developers/labs/index.html">http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/cool_developers/labs/index.html</a>
16	18EE35, 18EEL38	Digital logic design using gates	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/dldgates/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/labs/dldgates/labs/index.php</a>
17	18EE35, 18EEL38	Digital Electronics	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/digital-electronics/labs/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/digital-electronics/labs/index.html</a>
18	18EEL37, 18EEL47	Electrical Machines (Simulation)	<a href="http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/Sadhya/labs/index.php">http://vlabs.iitb.ac.in/vlabs-dev/vlab_bootcamp/bootcamp/Sadhya/labs/index.php</a>



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#### MECHANICAL ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18ME32, 18MEL37A	Mechanics of Materials/ Strength of materials	<a href="http://sm-nitk.vlabs.ac.in/#">http://sm-nitk.vlabs.ac.in/#</a>
2	18ME35A, 18MEL38B/48B	Metal Forming Lab	<a href="http://msvs-dei.vlabs.ac.in/">http://msvs-dei.vlabs.ac.in/</a>
3	18MEL38A/B	Workshop and machine shop practice / General purpose lab for production shop simulation	<a href="http://gssl.iitk.ac.in/pssl/">http://gssl.iitk.ac.in/pssl/</a>
4	18ME44	Kinematics of Machines/ Mechanics of Machine	<a href="http://mm-nitk.vlabs.ac.in/">http://mm-nitk.vlabs.ac.in/</a>
5	18ME34, 18ME645, 18MEL47A	Metallurgy and Materials Engineering/ Material response to micro-structural, mechanical, thermal, and biological stimuli	<a href="http://mrmsmtbs-iitk.vlabs.ac.in/home%20page.html">http://mrmsmtbs-iitk.vlabs.ac.in/home%20page.html</a>
6	18ME44, 18MEL57	Fluid Mechanics	<a href="http://fm-nitk.vlabs.ac.in/#">http://fm-nitk.vlabs.ac.in/#</a>
7	18ME42, 18MEL58	Applied Thermodynamics/ RT Virtual lab on Automotive systems	<a href="http://vlabs.iitkgp.ernet.in/rtvlas/">http://vlabs.iitkgp.ernet.in/rtvlas/</a>
8	18ME54, 18MEL57	Turbo Machines / Fluid Machinery	<a href="http://fmc-nitk.vlabs.ac.in/">http://fmc-nitk.vlabs.ac.in/</a>
9	18ME63	Heat and Mass transfer	<a href="http://htv-au.vlabs.ac.in/">http://htv-au.vlabs.ac.in/</a>
10	18ME53, 18ME644	Dynamics of machines/ Machine Dynamics and Mechanical Vibrations Lab	<a href="http://mdmv-nitk.vlabs.ac.in/">http://mdmv-nitk.vlabs.ac.in/</a>
			<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/dynamics-of-machine-lab/labs/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/dynamics-of-machine-lab/labs/index.html</a>
11	18ME72, 18MEL76, 18ME732	Computer aided design and manufacturing /Mechanisms and robotics lab	<a href="http://vlabs.iitkgp.ernet.in/mr/">http://vlabs.iitkgp.ernet.in/mr/</a>



### LIST OF VIRTUAL LABS FOR VARIOUS ENGINEERING DISCIPLINES

#### CIVIL ENGINEERING

SI No.	Subject code	Corresponding VLab Name	Link
1	18CV32, 18CVL38	Strength of materials	<a href="http://sm-nitk.vlabs.ac.in/#">http://sm-nitk.vlabs.ac.in/#</a>
2	18CV33	Fluid Mechanics	<a href="http://fm-nitk.vlabs.ac.in/#">http://fm-nitk.vlabs.ac.in/#</a>
3	18CV33, 18CV43, 18CVL48	Hydraulics and Fluid Mechanic Lab	<a href="http://eerc03-iiith.vlabs.ac.in/">http://eerc03-iiith.vlabs.ac.in/</a>
4	CE16-202, CE16-303, CE16-403,	Structural Dynamics lab and Structural Analysis Lab	<a href="http://bsa-iiith.vlabs.ac.in/">http://bsa-iiith.vlabs.ac.in/</a> <a href="http://sd-iiith.vlabs.ac.in/">http://sd-iiith.vlabs.ac.in/</a>
5	18CV32	Basic Engineering Mechanics and Strength of Materials lab	<a href="http://eerc01-iiith.vlabs.ac.in/">http://eerc01-iiith.vlabs.ac.in/</a>
6	18CVL67	Environmental Engineering Laboratory 1	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Environmental_Engineering_1/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Environmental_Engineering_1/index.html</a>
7	18CVL67	Environmental Engineering Laboratory 2	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Environmental_Engineering_2/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Environmental_Engineering_2/index.html</a>
8	18CVL58	Marine Structures Lab	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Marine_Structures_Lab/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Marine_Structures_Lab/index.html</a>
9	18CV56	Transportation Engineering Lab	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Transportation_Engineering_Lab/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/Transportation_Engineering_Lab/index.html</a>
10	18CV33	Fluid Machinery Lab	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/fluid-machinery-lab/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/fluid-machinery-lab/index.html</a>
11	18CV36, 18CVL47, 18CV54, 18CVL77	Mining Geology Lab	<a href="http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/geology-lab/index.html">http://vlabs.iitb.ac.in/vlabs-dev/labs/nitk_labs/geology-lab/index.html</a>