

	Not Available + L0 + Not Hosted						
	Not Available + L6+ Hosted						
	Partially Available + L6 + Hosted + Masked/not masked						
	Not Available + L6 + Hosted + Not Masked						
	Available + L6 + Hosted + Not Masked						
	Available + L6 + Hosted + Masked/Not Masked + Test						
No of labs not required re-engineering							
19 Labs are at level 6, 1 lab are at level 4							
S. No	Lab Name	No. of Experiments	Integration Status	Hosted On	Issues	Comments	
1	Data Structures	9	6	AWS	<a href="https://github.com/Virtual-Labs/data-struct">https://github.com/Virtual-Labs/data-struct</a>	In this lab .fla files are available for 4 experiments(1,2,3,4 experiments) and the fla files are not available for other 5 experiments(5,6,7,8,9 experiments).	Partially Available + L6 + Hosted + No masked expt
2	Computer Programming	10	6	AWS	<a href="https://github.com/Virtual-Labs/computer-p">https://github.com/Virtual-Labs/computer-p</a>	Sources are available for all the experiments, There is issue with 10th experiment, so its masked. 9 experiments are hosted.	Available + L6 + Hosted + 1 Masked
3	Linux Lab	10	4	IIITH Server	No issues	Multiple container issue	
4	Computer Organization	11	6	AWS	<a href="https://github.com/Virtual-Labs/computer-o">https://github.com/Virtual-Labs/computer-o</a>	2 experiments are masked[10th and 11th exp], and .fla files for 3 experiments (2,3, & 9th experiments.) are not available in bitbucket and in container.	Partially Available + L6 + Hosted + 2 Masked
5	Problem Solving	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	Available + L6 + Hosted + Not Masked
6	Databases	10	6	IIITH Server	No issues	The lab is at L6 through ansible playbook. Source code present for all the simulations.	Available + L6 + Hosted + Not Masked
7	Digital Logic Design	10	6	AWS	No issues	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
8	Image Processing	11	6	AWS	<a href="https://github.com/Virtual-Labs/image-proc">https://github.com/Virtual-Labs/image-proc</a>	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
9	Computer Graphics	11	6	AWS	<a href="https://github.com/Virtual-Labs/computer-g">https://github.com/Virtual-Labs/computer-g</a>	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
10	Pattern Recognition	8	6	AWS	No issues	Source files(.java files ) are not available for all the experiments.	Not Available + L6 + Hosted + Not Masked
11	Data Mining	11	6	IIITH Server	No issues	The lab is at L6 through ansible playbook. Source code present for all the simulations.	Available + L6 + Hosted + Not Masked
12	Cryptography	10	6	AWS	No issues	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
13	Artificial Neural Networks	10	6	AWS	<a href="https://github.com/Virtual-Labs/artificial-ne">https://github.com/Virtual-Labs/artificial-ne</a>	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
14	EM Theory	10	6	AWS	No issues	Source files(.java) are not available for all the experiments. But there is an issue setting up java 3D environment on the machine.	Partially Available + L6 + Hosted + Not Masked + Issues
15	VLSI	10	6	AWS	No issues	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
16	Basic Engineering Mechanics and Strength of Materials	10	6	AWS	<a href="https://github.com/Virtual-Labs/basic-engin">https://github.com/Virtual-Labs/basic-engin</a>	Lab is built in java 3d and flash. Java 3D: Collected sources for all the 10 experiments and masked all the experiments. FLASH: Collected fla for 9 experiments and avi file for 4th experiment.	Available + L6 + Hosted + Not Masked
17	Hydraulics and Fluid Mechanics	10	6	AWS	<a href="https://github.com/Virtual-Labs/hydraulics-">https://github.com/Virtual-Labs/hydraulics-</a>	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
18	Physical Chemistry	10	6	AWS	No issues	6 experiments are in flash, 2 experiments are in java 3D, in that .fla files are not available for 1 (4th) experiment and .java files are not available for the last 2 experiments. Three experiments has to be masked (4, 7, 8).	Partially Available + L6 + Hosted + Masked
19	Natural Language Processing	10	6	AWS	No issues	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
20	Basic Structural Analysis	10	6	AWS	No issues	Sources are available for all the experiments.	Available + L6 + Hosted + Not Masked
Status of second set of IIITH Labs							
9 labs are at level 6, 1 lab is at level 4, 6 labs are at level 0							
S. No	Lab Name	No. of Experiments	Integration Status	Hosted On	Issues	Comments	

1	Colloid and Surface Chemistry	9	6	AWS	No issues	Partially Available ( .fla files are not available for 1,2,3,5,6,8,9 experiments), available for 4th and 10th.	Partially Available + L6 + Hosted + Not Masked
2	Molecular Absorption Spectroscopy	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	Available + L6 + Hosted + Not Masked
3	Molecular Interactions	11	6	AWS	Not identified	Source files(.java 3D) are not available for all the experiments.	Not Available + L0 + Hosted + Not Masked
4	Geotechnical Engineering Lab	9	6	AWS	Not identified	Source files (Java 3D) are not available for all the experiments	Not Available + L0 + Hosted + Not Masked
5	Computational Linguistics	9	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	Available + L6 + Hosted + Not Masked
6	Structural Dynamics	10	6	AWS		Collected source files (.java 3D and .fla) in sept, 2015. Need to test and need to send request to update the sources	Available + L6 + Hosted + Not Masked + Test
7	Speech Signal Processing	10	6 [Sadhana]	AWS	No issues	Collected source files (.java) for 3 experiments[] in sept, 2015. Need to test. Sources not available for 7 experiments	Partially Available + L6 + Hosted + Not Masked + Test
8	Optical Remote Sensing	8	0	Not hosted	Not identified	Sources (.java) are not available for all experiments and lab is not hosted	Not Available + L0 + Not Hosted
9	Soil Mechanics and Foundation Engineering	10	6	AWS	Not identified	Collected the sources (java 3D and flash) for all the experiments in sept, 2015 - Need to test src	Available + L6 + Hosted + Not Masked + Test
10	Molecular Florescence Spectroscopy	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	Available + L6 + Hosted + Not Masked
11	Quantum Chemistry	10	0	Not hosted	No issues	Source files(.java) are not available for all the experiments.	Not Available + L0 + Not Hosted
12	Circular Dichronism Spectroscopy	10	6	AWS	No issues	Source files are partially Available ( Require .java for 3, 4, 8 experiments& .fla for 1, 6, 7 experiments.) None of the experiments are masked.	Partially Available + L6 + Hosted + Not Masked
13	Analog CMOs VLSI Circuit Design	9	6	Not hosted	No issues	Source files are available for all the experiments. Updated the makefile and sent request for hosting.	Available + L6 + Hosted + Not Masked
14	Mobile Robotics	10	0	Not hosted	No issues	Source files(.java) are not available for all the experiments.	Not Available + L0 + Not Hosted
15	Principles of Programming Languages	9	4	IIITH Server		Apurv	
16	Physical Science Lab	9	6	AWS	Not identified	Sources (Java 3D) are not available for all the experiments	Not Available + L0 + Hosted



S.No.	Lab ID	Lab Name	Integration Level	Documentation	Comments	List of experiments	
1	CSE01	Data structures	6	Yes			
2	CSE02	Computer programming	6	Yes			
3	CSE15	Digital logic design	6	Yes			ok for hosting
4	CSE19	Image Processing	6	Not required			
5	CSE18	Computer graphics	6	Yes			
6	CSE20	Pattern Recognition	6	Yes			ok for hosting
7	EMT	EM Theory	6	Yes			
8	CSE29	Cryptography	6	Not required			ok for hosting
9	CSE22	Artificial Neural Networks	6	Yes			ok for hosting
10	CSE11	Computer Organization	6	Yes			not updated
11	CSE14	VLSI	6	Yes			
12	EERC03	Hydraulics and Fluid Mechanics	6	Yes			
13	CCNSB06	Physical Chemistry	6	Not required			
14	CSE07	Databases	4	Not required	Scripts cant run with ovpl. Though scripts run on ubuntu machine without any issue. Raised an Issue on ovpl repo. [Saikrishna yet to update the status]		
15	CSE06	Data Mining	4	Not required	change-shell.sh create-sage.exp start_sage pre-build-script.sh [Saikrishna yet to update the status]		
16	EERC01	Basic Engineering Mechanics and Strength of Materials	6	No	This two lab needs java3d running on the clients machine. I have tried it with different combinations of jre and java3d package versions but that did not help.	10 exps	
17	PHY14	Physical Sciences	6				
18	CSE09	Linux Lab	3	Not required	Multiple container issue		
19	CSE05	Principles of Programming Languages	3	Not required	Multiple container issue - Apurv and Saikrishna 1. ldap server is set up, lab is able to connect to the server but not able to create user, the problem might be with the version of ldapscripts. 2.NFS quotatools is depricated now, found the alternate for that but then modprobe quota_v2 doesn't support anymore	Have yogesh helping with the team	
20	CSE04	Problem Solving	2	Not required			

	Labs Running on ADS		
Lab Name	Status	Technology	Done by
Data structures	Flash plugin	Flash plugin	Sravanthi
Computer programming	icedtea plugin,jre	icedtea plugin,jre	
Digital logic design	Java and Iced tea plugin	Icedtea plugin,Java (1.7.0-65)	Sadhana
Computer graphics	Java and Iced tea plugin updated but it is not displaying	Java(1.7.0-65),Icedtea Plugin	Sravanthi
Pattern Recognition	Java and Iced tea plugin	Java(1.7.0-65),Icedtea Plugin	Sravanthi
EM Theory	Required Java 3D	java version "1.7.0-65", OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D 1.5.2	Sadhana
Computer Organization	Required Java and icedtea plugin		Sripathi
VLSI	Java ,Waveform		
Basic Engineering Mechanics and Strength of Materials	Need Java 3D	Java(1.7.0-65),Icedtea Plugin (1.7.65),Java3D (1.5.2)	get the status from sripathi
Hydraulics and Fluid Mechanics	Issue with a container	Java(1.7.0-65),Icedtea Plugin (1.7.65),Java3D (1.5.2)	
Physical Chemistry	Required Java 3D	Java3D(1.5.2) for last two Experiments and Flash	
Physical Sciences	Required Java 3D	Java3D(1.5.2) and Flash	



S.No	Lab Id	Lab Name	Testing on Local Machine (1A)	Lab Dependencies		Testing over ADS (2A)	Private IP Address (2B)	Labs Hosted on Azamon			Comments	Source Codes	Status
				Server side Dependencies (1B)	Client side Dependencies (1B)			Lab Status (3A)	Hosted URL	Documentation (3B)			
1	cse24	Natural Language Processing	Yes	apache, php	none	yes	10.2.58.121		<a href="http://nlp-iiith.vlabs.ac.in">http://nlp-iiith.vlabs.ac.in</a>	Not required		.php	
2	ccnsb02	Colloid and Surface Chemistry	yes	apache, php	Flash Plugin	yes	10.2.58.4		<a href="http://csc-iiith.vlabs.ac.in">http://csc-iiith.vlabs.ac.in</a>	Yes		.swf, .fla	
3	ccnsb03	Molecular Absorption Spectroscopy	yes	apache, php	Flash Plugin	yes	10.2.58.40		<a href="http://mas-iiith.vlabs.ac.in">http://mas-iiith.vlabs.ac.in</a>	Yes		.swf, .sh, .fla	
4	ccnsb07	Molecular Interactions	Yes	apache	Java,IcedTea Plugin		10.2.58.125		<a href="http://mi-iiith.vlabs.ac.in">http://mi-iiith.vlabs.ac.in</a>	Yes		.java, .class, .php, .swf	Yes
5	eerc05	Geotechnical Engineering Lab	Yes	apache	Flash Plugin,IcedTea plugin and java 3D	yes	10.2.58.130		<a href="http://ge-iiith.vlabs.ac.in">http://ge-iiith.vlabs.ac.in</a>	Yes		.java, .class, .jar, .jnlp, .swf	Yes
6	cse23	Computational Linguistics	Yes	apache	None	yes	10.2.58.129		<a href="http://cl-iiith.vlabs.ac.in">http://cl-iiith.vlabs.ac.in</a>	Not required		.js, .php, .jar	
7	eerc06	Structural Dynamics	Yes	apache	Flash Plugin,IcedTea plugin and java 3D	yes	10.2.58.3		<a href="http://sd-iiith.vlabs.ac.in">http://sd-iiith.vlabs.ac.in</a>	Yes		.jnlp, .jar, .jar, .swf	No
8	cse16	Speech Signal Processing	Yes	apache, php	Java Plugin 1.7.0_79,icedtea plugin	yes	10.2.56.111		<a href="http://ssp-iiith.vlabs.ac.in">http://ssp-iiith.vlabs.ac.in</a>	Yes		.jar, .js, .php	No
9	cse21	Optical Remote Sensing	(but not running manually)	apache,php	flash, java	yes	10.2.56.24			Yes		.swf, .class, .js, .php	No
10	eerc02	Soil Mechanics and Foundation Engineering	Yes	apache,php	Flash Plugin,IcedTea plugin and java 3D	yes			<a href="http://smfe-iiith.vlabs.ac.in">http://smfe-iiith.vlabs.ac.in</a>	Yes		.swf, .jar, .php, .jnlp	No
11	ccnsb01	Molecular Florescence Spectroscopy	yes	apache,php	Flash Plugin	Yes	10.2.58.144		<a href="http://mfs-iiith.vlabs.ac.in">http://mfs-iiith.vlabs.ac.in</a>	Yes		.fla, .swf	
12	ccnsb04	Quantum Chemistry	Yes	apache, php	Java 3D,Java and icedtea plugin	yes	10.2.58.141			Yes		.class, .js, .php	No
13	ccnsb05	Circular Dichronism Spectroscopy	Yes	apache,php	Java,IcedTea Plugin	yes	10.2.56.222		<a href="http://cds-iiith.vlabs.ac.in">http://cds-iiith.vlabs.ac.in</a>	Yes		.js, .jar, .flp, .swf	
14	eerc04	Basic Structural Analysis	Yes	apache,php	Flash Plugin,IcedTea plugin and java 3D	yes	10.2.56.28		<a href="http://bsa-iiith.vlabs.ac.in">http://bsa-iiith.vlabs.ac.in</a>	Yes		.jnlp, .swf, .js, .jar	No
15	cse30	Analog CMOs VLSI Circuit Design	Yes	apache,php	Flash,Java and IcedTea plugin	Yes	10.2.56.6			Yes		.class, .java, .php	Yes
16	cse17	Mobile Robotics	Under progress		java, iced-tea plugin	yes	10.2.56.7			Yes		.jar,	No