					Status of first set of IIITH Labs		
					17 Labs are at level 6, 3 labs are at level 4		
S. No	**Lab Name**	**No. of Experiments**	**Integration Status**	**Hosted On**	**Issues**	**Comments**	
1	Data Structures	9	6	AWS	https://github.com/Virtual-Labs/data-structures-iiith/issues/2	In this lab .fla files are available for 4 experiments and the fla files are not available for other 5 experiments.	
2	Computer Programming	10	6	AWS	No issues		
3	Linux Lab	9	4	IIITH Server	No issues		
4	Computer Organization	9	6	AWS	https://github.com/Virtual-Labs/computer-organization-iiith/i	2 experiments are masked	
5	Problem Solving	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	
6	Databases	10	4	IIITH Server	No issues		
7	Digital Logic Design	10	6	AWS		Source files are available for all the experiments. Updated new makefile and sent request to host the lab.	
8	Image Processing	11	6	AWS	https://github.com/Virtual-Labs/image-processing-iiith/issue	Source files are available for all the experiments and the lab is hosted.	
9	Computer Graphics	11	6	AWS	https://github.com/Virtual-Labs/computer-graphics-iiith/issu	Source files are available for all the experiments and the lab is hosted.	
10	Pattern Recognition	8	6	AWS	No issues	Source files(.java files) are not available for all the experiments.	
11	Data Mining	11	4	IIITH Server	No issues		
12	Cryptography	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	
13	Artificial Neural Networks	10	6	AWS	https://github.com/Virtual-Labs/artificial-neural-networks-iiit	Source files are available for all the experiments and the lab is hosted.	
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.	
15	VLSI	10	6	AWS	No issues	Source files are available for all the experiments. Updated new makefile and sent request to host the lab.	
16	Basic Engineering Mechanics and Strength of Materials	10	6	AWS	https://github.com/Virtual-Labs/basic-engineering-mechanic	Sources not available for 1 simulation (4th) and sent request to update src	
17	Hydraulics and Fluid Mechanics	10	6	AWS	https://github.com/Virtual-Labs/hydraulics-and-fluid-mecha	Source files are available for all the experiments. Updated new makefile and sent request to host the lab.	
18	Physical Chemistry	10	6	AWS	No issues	.fla files are not available for first six experiments and .java files are not available for the last two experiments.	
19	Natural Language Processing	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	
20	Basic Structural Analysis	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	
					Status of second set of IIITH Labs		
					7 labs are at level 6, 1 lab is at level 4, 1 lab is at level 2, 2 labs are at level 1, 5 labs are at level 0		
S. No	**Lab Name**	**No. of Experiments**	**Integration Status**	**Hosted On**	**Issues**	**Comments**	
1	Colloid and Surface Chemistr	9	6	AWS	No issues	Partially Available (.fla files are not available for 1,2,3,5,6,8,9 experiments).	
2	Molecular Absorption Spectroscopy	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	
3	Molecular Interactions	11	0	AWS	Not identified	Source files(.java) are not available for all the experiments.	
4	Geotechnical Engineering Lab	9	1	AWS	Not identified		
5	Computational Linguistics	9	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.	
6	Structural Dynamics	10	2	AWS		Every experiment has one flash video and one simulation. - For flash videos, executable are present. - All simulation videos point towards java.com	

#	Name					Notes
7	Speech Signal Processing	10	6	AWS	No issues	Java files are not available for any experiment - exe
8	Optical Remote Sensing	8	0	Not hosted	Not identified	
9	Soil Mechanics and Foundation Engineering	10	1	AWS	Not identified	
10	Molecular Florescence Spectroscopy	10	6	AWS	No issues	Source files are available for all the experiments and the lab is hosted.
11	Quantum Chemistry	10	0	Not hosted	No issues	Source files(.java) are not available for all the experiments.
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.)
13	Analog CMOs VLSI Circuit Design	9	6	Not hosted	No issues	Source files are available for all the experiments. Updated the makefile and aent request for hosting.
14	Mobile Robotics	10	0	Not hosted	No issues	Source files(.java) are not available for all the experiments.
15	Principles of Programming Languages	9	4	IIITH Server		
16	Physical Science Lab	9	0	AWS	Not identified	

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 plugiin 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 OVPL (2A)	Private IP Address (2B)	Labs Hosted on Azamon			Comments	Files with dot Extension
				Server side Dependencies (1B)	Client side Dependencies (1B)			Lab Status (3A)	Hosted URL	Documentation (3B)		
1	CSE01	Data Structures	Yes	php5,apache2	flash Plugin	Yes	10.2.58.130	Yes	cse01.virtual-labs.ac.in	Yes		.swf
2	CSE02	Computer Programming	Yes	apache2	icedtea plugin,jre (1.7.0-65)	Yes	10.2.58.140	Yes	cse02.virtual-labs.ac.in	Yes		.java , .class
3	CSE09	Linux Lab	Yes	php5,apache2	None	No				Not Required		.swf
4	CSE11	Computer Organization	Under progress	php5,apache2	Java(1.7.0-65),Icedtea Plugin, Flash	Yes						.jar, .class. .swf
5	CSE04	Problem Solving	Under progress	php5,apache2	None							.js
6	CSE07	Databases	Yes	php5,apache2,sage	None					Yes		
7	CSE15	Digital Logic Design	Yes	apache2	icedtea plugin,Java (1.7.0-65)	Yes	10.2.58.131	Yes	dld.virtual-labs.ac.in	Yes		.jar
8	CSE19	Image Processing	Yes	apache2,php5,libapache2-mod-php5,apache2, php5-gd, libcv-dev, libcv2.3, libcvaux-dev, libcvaux2.3, libhighgui-dev, libhighgui2.3 and some libopencv packages	None	Yes			image-processing.virtual-labs.ac.in	Not Required		
9	CSE18	Computer Graphics	Yes	apache2	Java(1.7.0-65),Icedtea Plugin	Yes	10.2.58.132	Yes	computer-graphics.virtual-labs.ac.i	Yes		.js
10	CSE20	Pattern Recognition	Yes	php5,apache2	Java(1.7.0-65),Icedtea Plugin	Yes	10.2.58.133	Yes	pattern-recognition.virtual-labs.ac.i	Yes		.jar, .jnlp
11	CSE06	Data Mining	Yes	Sage,php5, apache2	None	No	10.2.57.214					
12	CSE29	Cryptography	Yes	php5,apache2	None	Yes	10.2.58.136	Yes		Not Required		.pdf
13	CSE22	Artificial Neural Networks	Yes	php5,apache2	java version "1.6.0-65", Iced tea Plugi	Yes				Yes		.js, .jar
14	emt	EM Theory	Yes	php5, apache2	java version "1.6.0-65", OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Yes		Yes	emt.virtual-labs.ac.in	Yes		.js, .swf
15	cse14	VLSI	Yes	php5, apache2	Java, WaveForm	Yes						.js
16	eerc01	Basic Engineering Mechanic Strength of Materials	Yes	php5, apache2	Java(1.7.0-65),Icedtea Plugin (1.7.65),Java3D(1.5.2)	Yes					Asks for Manifest.txt during run time.We need to have the actual content of the experiment to generate the manifest.txt file.Currently its just the executables that we have along with us.	.jar , .jnlp, js, .swf
17	eerc03	Hydraulics and Fluid Mechan	Yes	php5, apache2	Java(1.7.0-65),Icedtea Plugin (1.7.65),Java3D(1.5.2)	Yes					Throws run time exceptions to resolve we need to look into the sources of the simulations. Currently its just the executables that we have along with us.	.jar , .jnlp, js, .swf
18	ccnsb06	Physical Chemistry	No	apache2	Java3D 1.5.2 for last 2 experiments and Flash	Yes						.js , .swf
19	phy14	Physical Sciences	No		Java3D 1.5.2 and Flash							.jnlp, .swf, .js, jar

S.No	Lab Id	Lab Name	Testing on Local Machine (1A)	Server side Dependencies (1B)	Client side Dependencies (1B)	Testing over ADS (2A)	Private IP Address (2B)	Lab Status (3A)	Hosted URL	Documentation (3B)	Comments	Source Codes	Status
1	cse24	Natural Language Processing	Yes	apache, php	none	yes	10.2.58.121		http://nlp-iiith.vlabs.ac.i	Not required		.php	
2	ccnsb02	Colloid and Surface Chemistry	yes	apache, php	Flash Plugin	yes	10.2.58.4		http://csc-iiith.vlabs.ac.	Yes		.swf, .fla	
3	ccnsb03	Molecular Absorption Spectroscopy	yes	apache, php	Flash Plugin	yes	10.2.58.40		http://mas-iiith.vlabs.a	Yes		.swf, .sh, .fla	
4	ccnsb07	Molecular Interactions	Yes	apache	Java,IcedTea Plugin		10.2.58.125		http://mi-iiith.vlabs.ac.i	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		http://ge-iiith.vlabs.ac.i	Yes		.java, .class, .jar, .jnlp, .swf	Yes
6	cse23	Computational Linguistics	Yes	apache	None	yes	10.2.58.129		http://cl-iiith.vlabs.ac.in	Not required		.js, .php, .jar	
7	eerc06	Structural Dynamics	Yes	apache	Flash Plugin,IcedTea plugin and java 3D	yes	10.2.58.3		http://sd-iiith.vlabs.ac.i	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		http://ssp-iiith.vlabs.ac.	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			http://smfe-iiith.vlabs.a	Yes		.swf, .jar, .php, .jnlp	No
11	ccnsb01	Molecular Florescence Spectroscopy	yes	apache,php	Flash Plugin	Yes	10.2.58.144		http://mfs-iiith.vlabs.ac	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		http://cds-iiith.vlabs.c.	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		http://bsa-iiith.vlabs.ac	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