Count for 1st set of labs: Total labs: 20, Sources Available: 13, Partially Available: 4 , Not Available: 3 , Labs are at level 6: 9 , Labs are at level 4: 4

Sr. No	Lab Id	Lab Name	Number of experiments	Client side Dependencies	Sources status	Integration Level	Current Status of labs
1	CSE01	Data Structures	9	Adobe flash plugin	Partially Available (.fla files are not Available for last 5 experiments)		
2	CSE02	Computer Programming	10	Icedtea plugin,JRE (1.7.0-65)	Available	6	
3	CSE11	Computer Organization	9	Java(1.7.0-65),Icedtea Plugin, Flash	Partially Available (need .java for 3rd experiment & .fla for 1,2 & the last experiment.)		
4	CSE04	Problem Solving	10	None	Available	6	
5	CSE07	Databases	10	None	Available	4	
6	CSE15	Digital Logic Design	10	icedtea plugin,Java (1.7.0-65)	Available	6	
7	CSE19	Image Processing	11	None	Available	6	
8	CSE18	Computer Graphics	11	Java(1.7.0-65),Icedtea Plugin	Available	4[need to host with updated source]	
9	CSE20	Pattern Recognition	8	Java(1.7.0-65),Icedtea Plugin	Not Available (Need .java for all the experiments.)		
10	CSE06	Data Mining	11	None	Available	4	
11	CSE29	Cryptography	10	None	Available	6	
12	CSE22	Artificial Neural Networks	10	Java(1.7.0-65),Icedtea Plugin	Available	6	
13	CSE14	VLSI	10	Java, WaveForm	Available	6	
14	EERC01	Basic Engineering Mechanics and Strength of Materials	10	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Partially Available (Need fla for 4th experiment and .java for 9th experiment)	[test the java3d exp and rehost the lab]	
15	EERC03	Hydraulics and Fluid Mechanics	10	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	6	
16	CCNSB06	Physical Chemistry	10	Adobe Flash Plugin and Java(1.6),Java3D(1.5.2) and Flash	Not Available		
17	PHY14	Physical Sciences	9	Java, Java3D 1.5.2 and Flash	Partially Available (Need .Java files for 6 exprts)		
18	CSE05	Principles of Programming Languages	9	None	Available	4	
19	CSE09	Linux Lab	9	None	Available	4	

20	EMT	EM Theory	10	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not Available (Need .java for all the experiments.)	

Count for 2nd set of labs: Total labs: 16,   Sources Available: 9, Partially Available: 2, Not Available: 5

1	CSE24	Natural Language Processing	10	none	Available	
2	CCNSB02	Colloid and Surface Chemistry	9	Adobe Flash Plugin	Partially Available (.fla files are not available for 1,2,3,5,6,8,9 experiments)	
3	CCNSB03	Molecular Absorption Spectroscopy	10	Adobe Flash Plugin	Available	
4	CCNSB07	Molecular Interactions	11	Java 3D, Java, IcedTea Plugin	Not Available (require .java files for all the experiments.)	
5	EERC05	Geotechnical Engineering Lab	9	Flash Plugin,IcedTea plugin and java 3D	Not Available	
6	CSE23	Computational Linguistics	9	none	Available	
7	EERC06	Structural Dynamics	10	Java 3D, Flash,Java and IcedTea plugin	Available (Need to test src)	
8	EERC02	Soil Mechanics and Foundation Engineering	10	Java 3D, Flash,Java and IcedTea plugin	Available (need to test the source files)	
9	CCNSB01	Molecular Florescence Spectroscopy	10	Adobe Flash Plugin	Available	
10	CCNSB04	Quantum Chemistry	10	Java and icedtea plugin	Not Available	
11	CCNSB05	Circular Dichronism Spectroscopy	10	Adobe Flash Plugin	Partially Available (Require .java for 3, 4, 8 experiments & .fla for 1, 6, 7 experiments.)	
12	EERC04	Basic Structural Analysis	10	Java 3D, Flash,Java and IcedTea plugin	Available (need to test the source files)	
13	CSE30	Analog CMOS VLSI Circuit Design	9	Java and IcedTea plugin	Available	
14	CSE17	Mobile Robotics	10	Java & Iced-tea plugin	Not Available(.jar files are available)	
15	CSE21	Optical Remote Sensing	8	flash, Java, Java 3D	Not Available	
16	CSE16	Speech Signal Processing	10	Java Plugin 1.7.0_79,icedtea plugin	Available	

S.No	Lab Id	Lab Name	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	sources at?? (Bitbucket/Container)	Analytics Year	Unique visitors	Number of visits	Pages	Hits
1	CSE01	Data Structures	1. Number systems	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)	Sources (.fla files for all the experiments) are not available in bitbucket and in container	2014	<= 16,007	21,186	318,489	1,262,570
			2. Expression Evaluation using Stack	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)		2015	<= 418	602	6,306	17,303
			3. sorting using arrays	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			4. Polynomials via Linked Lists	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			5. Expression Trees	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			6. Search Trees	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			7. Graph Traversals	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			8. Shortest Path Trees	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			9. Minimum Spanning Trees	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
2	CSE02	Computer Programming	1. Expression Evaluation	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 1,737	3,545	34,826	110,836
			2. Basic Control Flow	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO		2015	<= 578	816	5,921	17,675
			3. Advanced Control Flow	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO						
			4. Arrays	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO						
			5. Functions	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO						
			6. Recursion	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO						
			7. Structures	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			8. Strings	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO						
			9. Pointers	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	NO						
			10. Numerical Approximation	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
3	CSE11	Computer Organization	1. Representation of Integers and their Arithmetic	Java(1.7.0-65),Icedtea Plugin, Flash	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)	Sources (.java for 3rd experiment & .fla for 2,3, & 9 experiments) are not available in bitbucket and in container.	2014	<= 545	1233	8135	27446
			2. Representation of Floating Point Numbers and their Arithmetic	Java(1.7.0-65),Icedtea Plugin, Flash	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)		2015	<= 147	193	947	3685
			3. Cache Organizations	Java(1.7.0-65),Icedtea Plugin, Flash	Not Available	Available	Not Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			4. Virtual Memory	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			5. MIPS Assembly Language Programming - 1	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			6. MIPS Assembly Language Programming - 2	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			7. ARM Assembly Language Programming - 1	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			8. ARM Assembly Language Programming - 2	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			9. Single Cycle MIPS CPU	Adobe Flash	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
4	CSE04	Problem Solving	Numerical Representation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 1,483	2,748	14,494	66,749
			Beauty of Numbers	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO		2015	<= 1,699	7306	107252	152192
			More on Numbers	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			Factorials	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			String Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			Recursion	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			Advanced Arithmetic	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			Searching and Sorting	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			Permutation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
			Sequences	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO						
5	CSE07	Databases	ER Model	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 16	16	44	240
			Enhanced ER Model	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 129	141	527	2117
			Relational Model	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			1st Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			2nd Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			3rd Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Boyce Codd Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			SQL 1	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			SQL 2	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			SQL 3	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
6	CSE15	Digital Logic Design	Adder Circuit	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 4,001	6514	32754	193844
			Multiplexer	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 2,270	2813	12530	74354
			Decoder with 7-Segment Display	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			ALU with function	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Comparator	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Latch and Flip Flops	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Registers	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Counters	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Multipliers	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			State Digrams	icedtea plugin,Java (1.7.0-65)	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
7	CSE19	Image Processing	Distance and Connectivity	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 1,997	2827	34776	124972
			Image Arithmetic	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 497	725	11034	32286
-			Affine Transformation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Point Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Neighbourhood Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Image Histogram	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Fourier Transform	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Color Image Processing	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Morphological Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Image Segmentation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Image Processing Test Bench	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
8	CSE18	Computer Graphics	Points and Co-ordinate Systems	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 623	1371	12195	36614
			Transformations: Translation	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 199	308	2424	7773
			Transformations: Rotation	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Transformations: Scaling	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Hierarchical Transformations: 2D Demo	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Hierarchical Transformations: 3D Articulated Arm	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Projections and Cameras	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Clipping: Line	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Clipping: Polygon	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Rasterization: Line	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Rasterization: Polygon	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
9	CSE20	Pattern Recognition	Feature Representation	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)	Sources (.java for all the experiments) are not available in bitbucket and in container.	2014	<= 306	647	3983	11446
			Mean and Covariance	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)		2015	<= 157	274	3028	6864
			Linear Perceptron Learning	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Generation of Random Variables	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Bayesian Classification	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			M.L.E: Learning the classifier from data	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			From 2-class to multiclass	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Data Clustering: K-Means, MST-based	Java(1.7.0-65),Icedtea Plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
10	CSE06	Data Mining	Apriori (An association rule mining algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 20	23	54	241
			Sampling (An association rule mining algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO		2015	<= 567	649	3022	18265
			Partition (An association rule mining algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Comparison of Association Rule Mining Algorithms	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			k-Means (A partitioning clustering algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Agglomerative Clustering (A hierachial clustering algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			DBSCAN (A density-based clustering algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			kNN (A nearest neighbour based classification algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Decision Tree (Classification algorithm)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Comparison of Classification algorithms	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						

S.No	Lab Id	Lab Name	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	sources at?? (Bitbucket/Container)	Analytics Year	Unique visitors	Number of visits	Pages	Hits
11	CSE29	Cryptography	Breaking the Shift Cipher	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 751	1627	18127	56308
			Breaking the Mono-alphabetic Substitution Cipher	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 383	559	5066	16854
			One-Time Pad and Perfect Secrecy	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Message Authentication Codes	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Cryptographic Hash Functions and Applications	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Symmetric Key Encryption Standards (DES)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Symmetric Key Encryption Standards (AES)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Diffie-Hellman Key Establishment	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Public-Key Cryptosystems (PKCSv1.5)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Digital Signatures	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
12	CSE22	Artificial Neural Networks	Parallel and distributed processing - I: Interactive activation and competition models	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 345	729	6869	27167
			Parallel and distributed processing - II: Constraint satisfaction neural network models	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO		2015	<= 172	222	2225	9317
			Perceptron learning	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Available	Not Applicable	NO						
			Multilayer feedforward neural networks	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Available	Available	NO						
			Hopfield model for pattern storage task	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Hopfield model with stochastic update	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Competitive learning neural networks for pattern clustering	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Available	Not Applicable	NO						
			Solution to travelling salesman problem using self organizing maps	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Solution to optimization problems using Hopfield models	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Available	Not Applicable	NO						
			Weighted matching problem: Deterministic, stochastic and mean-field annealing of an Hopfield model	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Available	Not Applicable	NO						
13	CSE14	VLSI	Schematic Design Of Transistor Level Inverter	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 954	1871	5964	54651
			Schematic Design Of Transistor Level NAND & NOR Gate	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 698	878	4315	35280
			Schematic Design Of Transistor Level XOR & XNOR Gate	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Schematic Design Of Pass Transistor Logic & Multiplexer	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Delay Estimation In Chain Of Inverters	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Schematic Design Of D-Latch and D-Flip Flop	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Spice Code Platform	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Design Of D-Flip Flop Using Verilog	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Design Of Digital Circuits Using Verilog	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Layout Design	Java, WaveForm	Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
14	EERC01	Basic Engineering Mechanics and Strength of Materials	Tensile Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Sources (.fla for 4th experiment & .java for the last experiment) are not available in bitbucket and in container.	2014	<= 2,234	3992	32923	109472
			Compression Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES		2015	<= 1,309	1,602	12514	42783
			Shear Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Torsion Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available (.java is available)	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			Impact Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Creep Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Fatigue Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Compression Test on Spring Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Principal Stresses Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Rockwell Hardness Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Not Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
15	EERC03	Hydraulics and Fluid Mechanics	Bernoulli's Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 1,097	2146	19826	73609
			Venturi Meter Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 856	1094	10977	38569
			Orifices Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Mouthpieces Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Weirs Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Channels Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Reynold's Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Vortices's Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Jets Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Turbines Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
16	CCNSB06	Physical Chemistry	Instrumentation and working principles of infra red (IR) spectroscopy using salt plates	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources (.fla for all the experiments except for 1st experiment & .java for 7th & 8th experiment) are not available in bitbucket and in container.	2014	<= 469	915	4267	22386
			Instrumentation and working principles of solutions infra red (IR) spectroscopy	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)		2015	<= 176	234	1157	6879
			Instrumentation and working principles principles of mass spectroscopy	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Available	Not Available	Not Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			Determination of molar mass of simple compounds using mass spectroscopy	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			Nuclear magnetic resonance spectroscopy and evaluation of simple 1H NMR spectra of select organic compounds	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			Identification of unknown components using spectroscopic techniques	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			Principles of electron paramagnetic resonance spectroscopy	Java(1.6),Java3D(1.5.2) and Flash	Not Available	Not Available	Not Available	Not Available	Available	Not Available	Available	Not Applicable	Not Available	Not Applicable	Not Applicable	YES (Required .fla & .java)						
			Electron paramagnetic resonance spectral studies of select organic free radicals	Java(1.6),Java3D(1.5.2) and Flash	Not Available	Not Available	Not Available	Not Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla & .java)						
			EPR as a Tool To Investigate the Transition Metal Complexes		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
			Construction of a Electrochemical Cells (Cyclic Voltammetry)		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .fla)						
17	PHY14	Physical Sciences	Measurement of Dipole Moment	Java, Java3D 1.5.2 and Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java & .fla)	Sources (.java , .fla for all the experiments & .swf for last two experiments) are not available in bitbucket and in container.	2014	<= 1,708	3500	19121	108773
			Millikan's Experiment	Java, Java3D 1.5.2 and Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java & .fla)		2015	<= 391	547	2705	14003
			Photoelectric Effect	Java, Java3D 1.5.2 and Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java & .fla)						
			Inversion of Cane Sugar	Java, Java3D 1.5.2 and Flash	Not Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java & .fla)						
			Heat of Neutralization	Java, Java3D 1.5.2 and Flash	Not Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java & .fla)						
			Acid-Base Indicators	Java, Java3D 1.5.2 and Flash	Not Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java & .fla)						
			Geiger Muller Counter	Java, Java3D 1.5.2 and Flash	Not Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java & .fla)						
			Young's Modulus	Java, Java3D 1.5.2 and Flash	Not Available	Available	Available	Available	Not Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java , .swf & .fla)						
			Surface Tension	Java, Java3D 1.5.2 and Flash	Not Available	Available	Available	Available	Not Available	Not Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .java , .swf & .fla)						
18	CSE05	Principles of Programming Languages	Design Inductive Data	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 680	1413	5040	9812
			Programming with Inductive Data	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable	NO		2015	<= 787	996	4280	8189
			Higher-Order Functions	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable	NO						
			Arithmetic Interpreter	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable	NO						
			Environment	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable	NO						
			Block-Structured Language	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable	NO						
			Language with Closures	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	NO						
			Language with Recursive Functions	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	NO						
			Language with Objects	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	NO						
19	CSE09	Linux Lab	File Management	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Sources are available for all the experiments.	2014	<= 1,921	3643	30226	157533
			Text Editor	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 2,519	3042	18839	97773
			File Content	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			File Permissions	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Archival and Compression	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						

S.No	Lab Id	Lab Name	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	sources at?? (Bitbucket/Container)	Analytics Year	Unique visitors	Number of visits	Pages	Hits
			Obtaining System Information	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Pipes and Redirection	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Searching	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Basic Networking	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
20	EMT	EM Theory	Coulomb's Law	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)	Sources (.java for all the experiments) are not available in bitbucket and in container	2014	<= 952	2022	10225	75823
			Electrostatic Fields I	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)		2015	<= 394	533	2554	18765
			Electrostatic Fields II	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Boundary Conditions	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Electric Field in Material Space	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Magnetostatic Fields	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Application of Faraday's Laws	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Wave Propagation	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Distance and Altitude Measurement	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						
			Plane Waves - Reflection and Refraction	java (1.6.0-65), OpenJDK Runtime Environment (IcedTea 2.5.3), Java 3D (1.5.2)	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES (Required .java)						

Second Set of Labs

S.NO	Lab Id	Lab Name	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	sources at?? (Bitbucket/Container)	Analytics Year	Unique visitors	Number of visits	Pages	Hits
1	CSE24	Natural Language Processing	1 Word Analysis	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO	sources are available for all the experiments.	2014	<= 146	281	2204	6619
			2. Word Generation	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO		2015	<= 255	297	2209	7051
			3. Morphology	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			4. N-Grams	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			5. N-Grams Smoothing	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			6. POS Tagging: Hidden Markov Model	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			7. POS Tagging: Viterbi Decoding	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			8. Building POS Tagger	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			9. Chunking	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			10. Building Chunker	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
2	CCNSB02	Colloid and Surface Chemistry	Preparation of Sols	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .fla)	Sources(fla files for 1,2,3,5,6,8,9 experiments) are not available in bitbucket and in container	2014	<= 254	451	2184	9160
			Preparation of Gels	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .fla)		2015	<= 215	257	824	5297
			Demonstration of the Preparation and Use of Association Colloids (Micelles)	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .fla)						
			Determination of Critical Micelle Concentration (CMC) of a Surfactant	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Demonstration of the Surface Tension Lowering of Water by Soaps/Detergents	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .fla)						
			Demonstration of Tyndall Effect or Tyndall Scattering in Colloidal Systems	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .fla)						
			Gel Electrophoresis	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Demonstration of the Surface-Effect on Chemical Properties of Finely Divided Particles	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .fla)						
			Study of the Catalytic Effects of Finely Divided Particles	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES (Required .fla)						
3	CCNSB03	Molecular Absorption Spectroscopy	Familiarization with the UV-Visible Absorption Spectroscopy: (a) Principles of UV-visible absorption spectroscopy: Electronic excitation/transition and light absorption (b) The working principles of a UV-visible spectrophotometer: Instrumentation (c)Absorption (and transmittance) measurements of a colourless and a coloured light absorbing substance in a solution by using a spectrophotometer	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	fla,s are partially available. There are three links for the simulations and we dont have fla for the third link.(instrumentation_animation.swf)	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES	Sources(fla files for 1,3,4 experiments) are not available in bitbucket and in container.	2014	<= 190	404	1829	11848
			Solvent effects on absorption spectra	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO		2015	<= 358	443	1685	13487
			Effects of sample path length	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	fla,s are partially available. There are two links for the simulations and we dont have fla for the second link (3.swf)	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Effects of sample concentration	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	fla,s are partially available. There are two links for the simulations and we dont have fla for the firstlink (concentration.swf)	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Determination of molar absorptivity	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Verification of Beer-Lambert Law	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Determination of unknown concentration of a light absorbing analyte	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Simultaneous estimation method for multicomponent samples: Principle of additivity of absorbance	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			pH effects on absorption spectra :pKa determination by spectrophotometric method	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Study of kinetics of a reaction by using spectrophotometric method	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
4	CCNSB07	Molecular Interactions	Intermolecular forces in a diatomic molecule: Optical and magnetic tweezer experiments	Java 3D, Java, IcedTea Plugin	Not available	Not available for the first link in the simulation & .class is available for the second link.	Not available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Sources(.java for 1-10 experiments) are not available in bitbucket and in container					
			Molecular forces in a triatomic molecule: A magnetic tweezer experiment	Java 3D, Java, IcedTea Plugin	Not available			Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES		2014	<= 288	506	2634	12493
			Dihedral forces in a quad-atomic molecule: A magnetic tweezer experiment	Java 3D, Java, IcedTea Plugin	Not available			Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES		2015	<= 238	269	1170	6624
			Interatomic van der Waals forces	Java 3D, Java, IcedTea Plugin	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			van der Waals forces between molecules	Java 3D, Java, IcedTea Plugin	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Interatomic electrostatic forces	Java 3D, Java, IcedTea Plugin	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Electrostatic forces between molecules	Java 3D, Java, IcedTea Plugin	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Many-body forces in a polyatomic molecule	Java 3D, Java, IcedTea Plugin	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Solvent viscous forces on a polyatomic molecule	Java 3D, Java, IcedTea Plugin	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Molecular seperation using interatomic forces: Column chromatography	Java 3D, Java, IcedTea Plugin	Not available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Radiation forces on a dielectric particle	Java 3D, Java, IcedTea Plugin	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
5	EERC05	Geotechnical Engineering Lab	Free Swell Index Experiment	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available		Available	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES	Sources(.java for all the 9 experiments) are not available in bitbucket and in container	2014	<= 696	1396	10459	36759
			California Bearing Ratio Test (CBR Test)	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES		2015	<= 1,090	1312	7360	31782
			pH Test	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Determination of Total Soluble Solids	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Core Cutter Experiment	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Vane Shear Test	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Total Sulphate Test	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Standard Penetration Test	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
			Plate Load Test	Flash Plugin,IcedTea plugin and java 3D	Not available	Not available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	YES						
6	CSE23	Computational Linguistics	Forming Sentences-1	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	sources are available for all the experiments.	2014	<= 6	6	44	100
			Forming Sentences-2	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 89	96	791	2287
			Tokens and Types	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Heap's Law	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Dictionary Generation	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Coarse-grained POS Tagging	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Fine-grained POS Tagging	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Chunking	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			Context Free Grammar	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
7	EERC06	Structural Dynamics	Simple Harmonic Oscillator	Flash,Java and IcedTea plugin	Not Applicable	Not Applicable	Available	Available	Available	Not available	Available							2014	<= 36	56	530	2085
			Free Vibration of Single Degree of Freedom System	Java 3D, Flash,Java and IcedTea plugin	Available		Available	Available	Available	Not available	Available							2015	<= 38	39	145	868

S.No	Lab Id	Lab Name	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	sources at?? (Bitbucket/Container)	Analytics Year	Unique visitors	Number of visits	Pages	Hits
			Forced Vibration of Single Degree of Freedom System	Java 3D, Flash,Java and IcedTea plugin	Available						Available											
			Impulse Response of SDOF	Java 3D, Flash,Java and IcedTea plugin	Available						Available											
				Java 3D, Flash,Java and IcedTea plugin	Available						Available											
			Vibration of M.D.O.F System	Java 3D, Flash,Java and IcedTea plugin	Available (MultiDegreeForceSystem.java Need to check)						Available											
			Behaviour of Rigid Block	Java 3D, Flash,Java and IcedTea plugin	Available (Rigid.java) is available [Need to check code]						Available											
			Torsional Response of Building	Java 3D, Flash,Java and IcedTea plugin	Available						Available											
			Continuous Systems	Java 3D, Flash,Java and IcedTea plugin	Available						Available											
			Vibration Control	Java 3D, Flash,Java and IcedTea plugin	Available						Available											
8	CSE16	Speech Signal Processing	Manual speech signal-to-symbol transformation	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Sources(java for all the 9 experiments) are not available in bitbucket and in container	2014	<= 512	1038	6318	32286
			Speech production mechanism	Java 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES		2015	<= 764	960	4847	28767
			Nature of speech signal	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Basics of DSP	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Short-time spectrum analysis of speech	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Spectrographic analysis of speech	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Cepstral analysis of speech	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Linear prediction analysis of speech	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Formant synthesis	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			Analysis-by-synthesis of speech	Java Plugin 1.7.0_79,icedtea plugin	Not available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
9	CSE21	Optical Remote Sensing	EM Spectrum	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable			2014	<= 38	48	104	860
			Black Body Radiation	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable			2015	<= 170	177	580	4135
			Reflectance of Natural objects in the Electromagnetic spectrum	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Sensors and Image Data Characteristics	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Capturing Area-wide reflectance effect of spatial resolution	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Data quantization levels and object extraction effects of Radiometric characteristics of the sensor	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Visual Analysis - Band Combination	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Band Algebra - Index based Analysis	flash, Java, Java 3D	Not available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable							
10	EERC02	Soil Mechanics and Foundation Engineering	Water Content Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable			2014	1011	2010	17780	54970
			Unit Weight Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable			2015	<= 1,468	1826	14813	51551
			Specific Gravity Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Grain Size Distribution Experiment	Java 3D, Flash,Java and IcedTea plugin	Not available	Not available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Atterberg Limits Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Permeability Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Compaction Test Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Direct Shear Test Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Triaxial Test Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
			Triaxial Test Experiment	Java 3D, Flash,Java and IcedTea plugin		Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable							
11	CCNSB01	Molecular Florescence Spectroscopy	Introduction to the fluorescence spectroscopy principle	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO	sources are available for all the experiments in this lab.	2014	<= 185	342	1084	5965
			Familiarization with the fluorescence instrumentation	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO		2015	<= 226	260	656	4116
			Familiarization with excitation and emission spectra, Mirror Image relation and Stokei Shift	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Demonstration of solvent effects on fluorescence spectra	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Demonstration of pH effects on fluorescence spectra	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Effects of concentration (optical density) of a fluorophore on emission spectra	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Relationship between the concentration of a fluorophore and its fluorescence intensity: Determination of unknown concentration of an analyte in solution	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Determination of fluorescence quantum yield of a fluorophore	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Fluorescence Quenching and Stern-Volmer plot : Estimation of the quenching constant from Stern-Volmer plot	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
			Effects of excimer and exciplex formations on fluorescence emission spectra	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO						
12	CCNSB04	Quantum Chemistry	UV-Visible Spectroscopy of Conjugated Molecules	Java and icedtea plugin	Not Available	Available	Not Required	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required			2014	<= 269	561	3340	17491
			Vib-rotational Spectroscopy of Hydrogen Chloride	Java and icedtea plugin	Not Available	Available	Not Required	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required			2015	<= 204	271	2197	10237
			Geometry Optimization using ab initio quantum calcuations	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required							
			Calculation of Vibrational Frequency of Molecules and Visualization of Normal Modes	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required							
			Huckel Molecular Orbital Theory	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required							
			Conformational Analysis of 1,2-dichloroethane	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Required							
			Transition State Calculation for a SN2 reaction	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required							
			Eigen systems: Geometrical Interpretation	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required							
			Geometry Optimization of Molecules	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Required							
13	CCNSB05	Circular Dichronism Spectroscopy	1. To determine the specific rotation of a sugar using a polarimeter.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Sources(java for 3, 4, 8 experiments & .fla for 1, 6, 7 experiments) are not available in bitbucket and in container.	2014	<= 116	208	986	4676
			2. To understand the effect of chiral substances on plane polarized light as a function of wavelength.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	flv file is available	Available	Available	Available	Not Applicable	Not Applicable	NO		2015	<= 408	449	1521	11639
			3. To study the Optical Rotatory Dispersion (ORD) of some chiral substances.	Java and icedtea plugin	Available	Available	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Not Applicable	YES						
			4. To study the Circular Dichroism of some substances with chiral chromophores.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			5. To Study the operational details of a CD spectrometer.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			6. To Study the effect of Secondary Structure elements on CD spectrum of proteins.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			7.To deconvolute the CD spectrum of a given protein solution and to classify it in terms of its secondary structure elements.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			8. To study the thermal stability of proteins.	Adobe Flash Plugin	Not Available	Available	Available	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			9. To study the effect of chemical denaturants on protein stability.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			10. To study the comparison between protein unfolding and protein aggregation in the presence of chemical denaturing agents.	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
14	EERC04	Basic Structural Analysis	1.Single Span Beams Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Sources(java & .fla for all the 10 experiments) are not available in bitbucket and in container.	2014	<= 617	1258	8667	30923
			2. Continuous Beams Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES		2015	<= 933	1103	8883	30315
			3. Column Analysis Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			4. Portal Frames Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			5. Plates Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			6. Rigid Joints Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			7. Arches Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			8. Trusses Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			9. Retaining Walls Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			10. Plastic Hinge Experiment	Java 3D, Flash,Java and IcedTea plugin	Available	Not Available	Available	Available	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
15		CSE30	Analog CMOS VLSI Circuit Design	1. Design and characterization of common source amplifier with Resistive load * Transfer Characteristics (Vin v/s Vout) * Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	sources are available	2014	<= 597	1371	11736	35025
			2. Design and characterization of common source amplifier with Diode connected load : * Transfer Characteristics (Vin v/s Vout) * Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO		2015	<= 432	520	3122	11708
			3. Design and characterization of common source amplifier with Current source load : * Transfer Characteristics (Vin v/s Vout) * Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						

S.No	Lab Id	Lab Name	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	sources at?? (Bitbucket/Container)	Analytics Year	Unique visitors	Number of visits	Pages	Hits
			4. Design and characterization of common gate amplifier : * Transfer Characteristics (Vin v/s Vout) * Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			5. Design and characterization of amplifier : * Transfer Characteristics (Vin v/s Vout) *Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			6. Design and characterization of differential to single-ended circuit : *Transfer Characteristics (Vin v/s Vout) * Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			7. Design and characterization of basic current mirror	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			8. Design and characterization of cascode current mirror	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
			9. Design and characterization of voltage mode buffer : * Transfer Characteristics (Vin v/s Vout) * Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO						
16	CSE17	Mobile Robotics	1. Sensor Modelling	Java & Iced-tea plugin	Not Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Sources(java for all the 10 experiments) are not available in bitbucket and in container	2014	<= 626	1352	5843	32356
			2. Velocity Modelling	Java & Iced-tea plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES		2015	<= 725	867	4322	26791
			3. Mapping	Java & Iced-tea plugin	Not Available	Not Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			4. Localization	Java & Iced-tea plugin	Not Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			5. Grid based navigation	Java & Iced-tea plugin	Not Available	Not Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			6. Forward kinematics	Java & Iced-tea plugin	Not Available	Not Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			7. Scan matching	Java & Iced-tea plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			8. RRT based path planning	Java & Iced-tea plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			9. Exploration	Java & Iced-tea plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						
			10. Monte Carlo localization	Java & Iced-tea plugin	Not Available	Not Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES						

	Got from developer-Sept, 2015	
	Not Avaiable	
	Available	