S.No	Lab Id	Lab Name	No of experiments	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	Developer of the Lab (Email id)	Summary	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	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Kishore Kothapalli Email ID: kkishore@iiit.ac.in	Required .fla source code for all the experiments.					
			2	Expression Evaluation using Stack	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			3	sorting using arrays	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			4	Polynomials via Linked Lists	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			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							
			6	Search Trees	adobe flash plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			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							
			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							
			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							
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	Jawahar C V Email ID : jawahar@iiit.ac.in name: Rajan, email id: rajan.sunalini@iiit.ac.in	Required .java source code for the 5th experiment					
			2	Basic Control Flow	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			3	Advanced Control Flow	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	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	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			5	Functions	Icedtea plugin,JRE (1.7.0-65)	Not Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	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	Not Applicable	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	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			8	Strings	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Available	Not Applicable	NO							
			9	Pointers	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available check	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Available	Not Applicable	NO							
			10	Numerical Approximation	Icedtea plugin,JRE (1.7.0-65)	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	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	Suresh Purini Email ID : suresh.purini@iiit.ac.in	Required .fla for the first two experiments & .java for the 3rd experiment					
			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							
			3	Cache Organizations	Java(1.7.0-65),Icedtea Plugin, Flash	Not Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			4	Virtual Memory	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							
			5	MIPS Assembly Language Programming - 1	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			6	MIPS Assembly Language Programming - 2	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			7	ARM Assembly Language Programming - 1	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			8	ARM Assembly Language Programming - 2	Java(1.7.0-65),Icedtea Plugin, Flash	Available	Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			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							
4	CSE04	Problem Solving	1	Numerical Representation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO	Jawahar C V Email ID : jawahar@iiit.ac.in	source code of the lab is available.					
			2	Beauty of Numbers	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			3	More on Numbers	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			4	Factorials	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			5	String Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			6	Recursion	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			7	Advanced Arithmetic	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			8	Searching and Sorting	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			9	Permutation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
			10	Sequences	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Available	Not Applicable	NO							
5	CSE07	Database	1	ER Model	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO	Vikram Pudi Email ID: vikram@iiit.ac.in	source code of the lab is available.	2014	<=16	16 (1 visits/visitor)	44 (2.75 Pages/Visit)	240 (15 Hits/Visit)
			2	Enhanced ER Model	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO			2015	<=129	141 (1.09 visits/visitor)	527 (3.73 Pages/Visit)	2,117 (15.01 Hits/Visit)
			3	Relational Model	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
			4	1st Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
			5	2nd Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
			6	3rd Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
			7	Boyce Codd Normal Form	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
			8	SQL 1	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
			9	SQL 2	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
			10	SQL 3	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	NO							
6	CSE15	Digital Logic Design	1	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	Narayanan P J Email ID : pjn@iiit.ac.in	source code of the lab is available.					
			2	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							
			3	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							
			4	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							
			5	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							
			6	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							
			7	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							
			8	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							
			9	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							
			10	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	1	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	Jayanthi Sivaswamy Email ID : jsivaswamy@iiit.ac.in	source code of the lab is available.					
			2	Image Arithmetic	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			3	Affine Transformation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			4	Point Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			5	Neighbourhood Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			6	Image Histogram	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			7	Fourier Transform	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			8	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							
			9	Morphological Operations	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			10	Image Segmentation	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			11	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	1	Points and Co-ordinate Systems	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Narayanan P J Email ID : pjn@iiit.ac.in	Required .java source code for last four experiments					
			2	Transformations: Translation	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			3	Transformations: Rotation	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			4	Transformations: Scaling	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			5	Hierarchical Transformations: 2D Demo	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			6	Hierarchical Transformations: 3D Articulated Arm	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			7	Projections and Cameras	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			8	Clipping: Line	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			9	Clipping: Polygon	Java(1.7.0-65),Icedtea Plugin	Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			10	Rasterization: Line	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			11	Rasterization: Polygon	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Not Available	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
9	CSE20	Pattern Recognition	1	Feature Representation	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Anoop Namboodiri Email ID: anoop@iiit.ac.in	Required .java source code for all the experiments					
			2	Mean and Covariance	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			3	Linear Perceptron Learning	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			4	Generation of Random Variables	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			5	Bayesian Classification	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			6	MLE: Learning the classifier from data	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			7	From 2-class to multiclass	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			8	Data Clustering: K-Means, MST-based	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
10	CSE06	Data Mining	1	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	Vikram Pudi	source code of the lab is available.	2014	<=20	23 (1.14 visits/visitor)	54 (2.34 Pages/Visit)	240 (10.47 Hits/Visit)
			2	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	<=101	625 (1.13 visits/visitor)	2,916 (4.66 Pages/Visit)	17,573 (28.11 Hits/Visit)
			3	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							
			4	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							
			5	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							
			6	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							
			7	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							
			8	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							
			9	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							
			10	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							
11	CSE29	Cryptography	1	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	Srinathan Kannan Email ID : srinathan@iiit.ac.in	source code of the lab is available.					
			2	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							
			3	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							
			4	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							
			5	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							
			6	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							
			7	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							
			8	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							
			9	Public-Key Cryptosystems (PKCS#1.5)	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			10	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	1	Parallel and distributed processing - I: Interactive activation and competition models	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Jawahar C V Email ID : jawahar@iiit.ac.in	Required .java source code for all the experiments.					
			2	Parallel and distributed processing - II: Constraint satisfaction neural network models	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			3	Perceptron learning	None	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	YES							
			4	Multilayer feedforward neural networks	None	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	YES							
			5	Hopfield model for pattern storage task	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			6	Hopfield model with stochastic update	Java(1.7.0-65),Icedtea Plugin	Not Available	Available	Available		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			7	Competitive learning neural networks for pattern clustering	None	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	YES							
			8	Solution to travelling salesman problem using self organizing maps	None	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	YES							
			9	Solution to optimization problems using Hopfield models	None	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	YES							
			10	Weighted matching problem: Deterministic, stochastic and mean-field annealing of an Hopfield model	None	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Available	YES							
13	CSE14	VLSI	1	Schematic Design Of Transistor Level Inverter	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO	Anuradha Syed Email ID : anuradha@iiit.ac.in	source code of the lab is available.					
			2	Schematic Design Of Transistor Level NAND & NOR Gate	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			3	Schematic Design Of Transistor Level XOR & XNOR Gate	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			4	Logic & Multiplexer	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			5	Schematic Design Of Pass Transistor	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			6	Delay Estimation In Chain Of Inverters	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			7	Spice Code Platform	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			8	Design Of D-Flip Flop Using Verilog	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			9	Design Of Digital Circuits Using Verilog	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			10	Layout Design	Java, WaveForm	Available	Available			Not Applicable	Not Applicable	Available	Not Applicable	Not Available	Not Applicable	Not Applicable	YES							
14	EERC01	Basic Engineering Mechanics and Strength of Materials	1	Tensile Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), JavaFX(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Pradeep Ramancharla Email ID : ramancharla@iiit.ac.in	Required .java & .fla source code for all the experiments.					

S.No	Lab Id	Lab Name	No of experiments	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.swf	.fla	.js	.py	.php	.c	.m	Source code required or not (Yes/No)	Developer of the Lab (Email Id)	Summary	Analysis Year	Unique visitors	Number of visits	Pages	Hits
			2	Compression Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			3	Shear Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			4	Torsion Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			5	Impact Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			6	Creep Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			7	Fatigue Test Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			8	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	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			9	Principal Stresses Experiment	Java(1.7.0-65),Icedtea Plugin (1.7.65), Java3D(1.5.2), Flash	Available	Available	Available	Available	Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			10	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	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
15	EERC03	Hydraulics and Fluid Mechanics	1	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	YES	Pradeep Ramanchaela Email ID : ramanchaela@iiit.ac.in	Required .java and .fla source code for all the experiments.					
			2	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	YES							
			3	Orifice 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							
			4	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	YES							
			5	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	YES							
			6	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	YES							
			7	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	YES							
			8	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	YES							
			9	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	YES							
			10	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	YES							
16	CCNSB06	Physical Chemistry	1	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	YES	Deepaa Subbu Email ID : deepaasubbu@yahoo.com	Required .java source code for last two experiments & .fla source code for all the experiments.					
			2	Instrumentation and working principles of solutions infra red (IR) spectroscopy	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			3	Instrumentation and working principles of mass spectroscopy	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			4	Determination of molar mass of simple compounds using mass spectroscopy	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			5	Nuclear magnetic resonance spectroscopy and availation 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							
			6	Identification of unknown components using spectroscopic techniques	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			7	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	Available	Not Applicable	Not Applicable	YES							
			8	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	Not Available	Not Available	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
17	PHY14	Physical Sciences	1	Measurement of Dipole Moment	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES	Tapan Kumar Sau Email ID : tapan.sau@iiit.ac.in	Required .java, .fla source code for all the experiments.					
			2	Millikan's Experiment	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			3	Photoelectric Effect	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			4	Inversion of Cane Sugar	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Not available	Not Applicable	Not Applicable	Not available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			5	Heat of Neutralisation	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			6	Acid-Base Indicators	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			7	Geiger Muller Counter	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			8	Young's Modulus	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			9	Surface Tension	Java, Java3D 1.5.2 and Flash	Not available	Available	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
18	CSE05	Principles of Programming Languages	1	Design Inductive Data	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable		Venkatesh Choppella Email ID : venkatesh.choppella@iiit.ac.in Vasudeva Varma Email ID : vv@iiit.ac.in		2014	<= 465	1,413 (2.07 visits/visitor)	5,040 (3.56 Pages/Visit)	9,812 (6.94 Hits/Visit)
			2	Programming with Inductive Data	None	Available	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable				2015	<= 774	973 (1.25 visits/visitor)	4,207 (4.32 Pages/Visit)	8,051 (8.25 Hits/Visit)
			3	Higher-Order Functions	None	Available	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable								
			4	Arithmetic Interpreter	None	Available	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable								
			5	Environment	None	Available	Available	Not Applicable	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable								
			6	Block-Structured Language	None	Available	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Not Applicable	Not Applicable								
			7	Language with Closures	None	Available	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable								
			8	Language with Recursive Functions	None	Available	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable								
			9	Language with Objects	None	Available	Available	Available	Not Applicable	Not available	Not Applicable	Not Applicable	Available	Available	Available	Not Applicable								
19	CSE09	Linux Lab	1	File Management	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Available	Not Applicable	Not Applicable	YES	Venkatesh Choppella Email ID : venkatesh.choppella@iiit.ac.in		2014	<= 1,925	3,643 (1.89 visits/visitor)	30,226 (8.29 Pages/Visit)	157,533 (43.24 Hits/Visit)
			2	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	<= 2,470	2,975 (1.2 visits/visitor)	18,395 (6.18 Pages/Visit)	95,593 (32.13 Hits/Visit)
			3	File Content	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	NO							
			4	File Permissions	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Available	Not Applicable	Not Applicable	YES							
			5	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							
			6	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							
			7	Pipes and Redirection	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Available	Not Applicable	Not Applicable	YES							
			8	Searching	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Available	Not Applicable	Not Applicable	YES							
			9	Basic Networking	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Available	Not Applicable	Not Applicable	YES							
20	EMT	EM Theory	1	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	Asumaddin Syed Email ID : assimuddin.s@iiit.ac.in	Required .java source files					
			2	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							
			3	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							
			4	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							
			5	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							
			6	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							
			7	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							
			8	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							
			9	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							
			10	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							

named as exp5_10 in bitbucket under repo ccnsb06-apc_new
named as exp7 in bitbucket under repo ccnsb06-apc_new
named as exp8 in bitbucket under repo ccnsb06-apc_new , .swf and .js files are available at repo ccnsb06-ccnsb06_repo
named as exp9 in bitbucket under repo ccnsb06-apc_new
named as exp5 in bitbucket under repo ccnsb06-apc_new
named as exp10 in bitbucket under repo ccnsb06-apc_new
named as exp1 in bitbucket under repo ccnsb06-apc_new
named as exp2 in bitbucket under repo ccnsb06-apc_new
named as exp3 in bitbucket under repo ccnsb06-apc_new
named as exp4 in bitbucket under repo ccnsb06-apc_new

Require .java , .class , .fla files for all the experiments and .swf files for last two experiments

S.NO	Lab Id	Lab Name	No of experiments	List of Experiments	Client side Dependencies	.java	.class	.jar	.jnlp	.js	.py	.php	.swf	.fla	.c	Source code required or not (Yes/No)	Developer of the Lab (Email id)	Summary	Analytic Year	Unique visitors	Number of visits	Pages	Hits
1	CSE24	Natural Language Processing	10	1 Word Analysis	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	NO	Dipti Sharma Email ID : dipti@iiit.ac.in	source code of the lab is available					
				2 Word Generation	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	NO			2014	<= 166	281(1.92 visits/visitor)	2304 (7.94 Pages/visit)	9975 (23.93 Hits/Visit)
				3 Morphology	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	NO			2015	<= 249	296 (1.18 visits/visitor)	2096 (7.32 Pages/visit)	6755 (23.62 Hits/Visit)
				4 N-Grams	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	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	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	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	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	NO							
				9 Chunking	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	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	NO							
2	CCNSB02	Colloid and Surface Chemistry		Preparation of Sols	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not available	Not Applicable	YES	TapanKumar Sau Email ID : tapan.sau@iiit.ac.in	Required .fla source code for 1,3,5,6,8 experiments.					
				Preparation of Gels	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Available	Not Applicable	NO							
				Demonstration of the Preparation and Use of Association Colloids (Micelles)	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Determination of Critical Micelle Concentration (CMC) of a Surfactant	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Available	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	Not Applicable	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Demonstration of Tyndall Effect or Tyndall Scattering in Colloidal Systems	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Available	Not Applicable	NO							
				Gel Electrophoresis	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Demonstration of the Surface Effect on Chemical Properties of Finely Divided Particles	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Available	Not Applicable	NO							
				Study of the Catalytic Effects of Finely Divided Particles	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Available	Not Applicable	NO							
3	CCNSB05	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	Not Applicable	NO	TapanKumar Sau Email ID : tapan.sau@iiit.ac.in	source code of the lab is available	2014	<= 160	404 (2.12 visits/visitor)	7809 (4.92 Pages/Visit)	11948 (29.32 Hits/Visit)
				Solvent effects on absorption spectra	Adobe Flash Plugin	Not Applicable		Not Applicable		Not Applicable		Not Applicable		Available	Not Applicable	NO			2015	<= 245	427 (1.23 visits/visitor)	7844 (3.86 Pages/Visit)	13024 (20.5 Hits/Visit)
				Effects of sample path length	Adobe Flash Plugin	Not Applicable		Not Applicable		Not Applicable		Not Applicable		Available	Not Applicable	NO							
				Effects of sample concentration	Adobe Flash Plugin	Not Applicable		Not Applicable		Not Applicable		Not Applicable		Available	Not Applicable	NO							
				Determination of molar absorptivity	Adobe Flash Plugin	Not Applicable		Not Applicable		Not Applicable		Not Applicable		Available	Not Applicable	NO							
				Verification of Beer-Lambert Law	Adobe Flash Plugin	Not Applicable		Not Applicable		Not Applicable		Not Applicable		Available	Not Applicable	NO							
				Determination of unknown concentration of a light absorbing analyte	Adobe Flash Plugin	Not Applicable		Not Applicable		Not Applicable		Not Applicable		Available	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	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	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	Not Applicable	NO							
4	CCNSB07	Molecular Interactions		Internuclear forces in a diatomic molecule: Optical and magnetic tweezer experiments	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES	Krishnan Marimuthu Email ID : m.krishnan@iiit.ac.in	Required .java source code for all the experiments.					
				Molecular forces in a triatomic molecule: A magnetic tweezer experiment	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Dihedral forces in a quad-atomic molecule: A magnetic tweezer experiment	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Interatomic van der Waals forces	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				van der Waals forces between molecules	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Interactions electrostatic forces	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Electrostatic forces between molecules	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Many-body forces in a polyatomic molecule	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Solvent viscous forces on a polyatomic molecule	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Molecular separation using interatomic forces: Column chromatography	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Radiation forces on a dielectric particle	Java 3D, Java, IcedTea Plugin	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available		Not Applicable	Not Applicable	YES							
5	EERC05	Geotechnical Engineering Lab		Free Swell Index Experiment	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES	Abhishek Bharadwaj Email ID : abhishek.bharadwaj@students.iiit.ac.in	Required .java source code for first 8 experiments & .fla for all the experiments.					
				California Bearing Ratio Test (CBR Test)	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				pH Test	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Determination of Total Soluble Solids	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Core Cutter Experiment	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Vane Shear Test	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Total Sulphate Test	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Standard Penetration Test	Flash Plugin,IcedTea plugin and java 3D	Not Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
				Plate Load Test	Flash Plugin,IcedTea plugin and java 3D	Available		Available	Available	Available	Not Applicable	Not Applicable		Not Available	Not Applicable	YES							
6	CSE23	Computational Linguistics		Text Lab Tool	none	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	NO	Dipti Sharma Email ID : dipti@iiit.ac.in	source code of the lab available	2014	<= 6	8 (1 visits/visitor)	44 (7.33 Pages/Visit)	722 (78.86 Hits/Visit)
																				2015	<= 86	92 (1.09 visits/visitor)	781 (8.35 Pages/Visit)	2,768 (23.64 Hits/Visit)
7	EERC06	Structural Dynamics		Simple Harmonic Oscillator	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES	Abhishek M Email ID : abhishek.m@research.iiit.ac.in Raju sangam Email:raju@research.iiit.ac.in	Required .java & .fla source code for all the experiments.					
				Free Vibration of Single Degree of Freedom System	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Forced Vibration of Single Degree of Freedom System	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Impulse Response of SDOF	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				concept of Response Spectrum	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Vibration of M.D.O.F System	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Behaviour of Rigid Block	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Torsional Response of Building	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Continuous Systems	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Vibration Control	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
8	CSE16	Speech Signal Processing		Manual speech signal to symbol transformation	Java Plugin 1.7.0_79,icedtea plugin	Not Available		Available	Not Applicable	Available	Not Applicable	Available		Not Applicable	Not Applicable	YES	Yegnanarayana B Email ID : yegna@iiit.ac.in; ravikanth. gurugubelli@research.iiit.ac.in; gangashetty.sv@research.iiit.ac.in	Required .java source code for all the experiments.					
				Speech production mechanism	Java Plugin 1.7.0_79,icedtea plugin	Not Available		Not Required	Not Applicable	Available	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Nature of speech signal	Java Plugin 1.7.0_79,icedtea plugin	Not Available		Available	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	Not Applicable	Not Required	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	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	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	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	Not Applicable	Not Required	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
				Formant synthesis	Java Plugin 1.7.0_79,icedtea plugin	Not Available		Available	Not Applicable	Not Required	Not Applicable	Available		Not Applicable	Not Applicable	YES							
				Analysis-by-synthesis of speech	Java Plugin 1.7.0_79,icedtea plugin	Not Available		Available	Not Applicable	Not Required	Not Applicable	Not Available		Not Applicable	Not Applicable	YES							
9	CSE21	Optical Remote Sensing		EM Spectrum	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES	Rajan K.S Email ID : rajan@iiit.ac.in	Required .java source code for experiments.					
				Black Body Radiation	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES							
				Reflectance of Natural objects in the Electromagnetic spectrum	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES							
				Sensors and Image Data Characteristics	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES							
				Capturing Area-wide reflectance effect of spatial resolution	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES							
				Data quantization levels and depict extraction effects of Radiometric characteristics of the sensor	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES							
				Visual Analysis - Band Combination	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES							
				Band Algebra - Index based Analysis	Flash, Java, Java 3D	Not Available		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable	YES							
10	EERC02	Soil Mechanics and Foundation Engineering		Water Content Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES	Pradeep Ramancharla Email ID : ramancharla@iiit.ac.in	Required .java source code for all the experiments.					
				Unit Weight Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Specific Gravity Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Grain Size Distribution Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Atterberg Limits Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Permeability Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Compaction Test Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Direct Shear Test Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Triaxial Test Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Triaxial Test Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
11	CCNSB01	Molecular Fluorescence Spectroscopy		Introduction to the fluorescence spectroscopy principle	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Available	Available	Available	Not Applicable	Not Applicable	NO	TapanKumar Sau Email ID : tapan.sau@iiit.ac.in	None	<= 165	242 (1.64 visits/visitor) 1,696 (3.16 Pages/Visit) 5,965 (17.48 Hits/Visit)			
				Familiarization with the fluorescence instrumentation	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Available	Available	Available	Not Applicable	Not Applicable	NO			<= 218	248 (1.10 visits/visitor) 626 (2.56 Pages/Visit) 2,997 (19.48 Hits/Visit)			
				Familiarization with excitation and emission spectra; Mirror image relation and Stokes Shift	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Available	Available	Available	Not Applicable	Not Applicable	NO							
				Demonstration of solvent effects on fluorescence spectra	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Available	Available	Available	Not Applicable	Not Applicable	NO							
				Demonstration of pH effects on fluorescence spectra	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Available	Available	Available	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	Not Applicable	Not Available	Available	Available	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	Not Applicable	Not Available	Available	Available	Not Applicable	Not Applicable	NO							
				Determination of fluorescence quantum yield of a fluorophore	Adobe Flash Plugin	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Available	Available	Available	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	Not Applicable	Not Available	Available	Available	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	Not Applicable	Not Available	Available	Available	Not Applicable	Not Applicable	NO							
12	CCNSB04	Quantum Chemistry		UV-Visible Spectroscopy of Conjugated Molecules	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES	Deva Priyakumar Email ID : deva@iiit.ac.in Prabhakar R Email ID : prabhakar.r@iiit.ac.in	Required .java source code for all the experiments.					
				Vib-rotational Spectroscopy of Hydrogen Chloride	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
				Geometry Optimization using ab-initio quantum calculations	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
				Calculation of Vibrational Frequency of Molecules and Visualization of Normal Modes	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
				Huckel Molecular Orbital Theory	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
				Conformational Analysis of 1,2-dichloroethane	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
				Transition State Calculation for a SN2 reaction	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
				Eigen systems: Geometrical Interpretation	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
				Geometry Optimization of Molecules	Java and icedtea plugin	Not Available		Not Required	Not Applicable	Not Applicable	Available		Not Required	Not Required	YES							
13	CCNSB06	Circular Dichroism Spectroscopy		1. To determine the specific rotation of a sugar using a polarimeter	Adobe Flash Plugin	Not Applicable		Not Available	Not Applicable	Not Available	Not Available	Available		Not Available	Not Applicable	YES	Abhijit Mitr Email ID : abi_chem@iiit.ac.in	Required .fla for 1,2,5,6,& 10 experiments.					
				2. To understand the effect of chiral substances on plane polarized light as a function of wavelength.	Adobe Flash Plugin	Not Applicable		Available	Not Applicable	Available	Available	Available		Not Available	Not Applicable	YES							
				3. To study the Optical Rotatory Dispersion (ORD) of some chiral substances.	Adobe Flash Plugin	Not Applicable		Available	Not Applicable	Not Available	Available	Available		Not Available	Not Applicable	NO							
				4. To study the Circular Dichroism of some substances with chiral chromophores.	Adobe Flash Plugin	Not Applicable		Available	Not Applicable	Available	Available	Available		Not Available	Not Applicable	YES							
				5. To Study the operational details of a CD spectrometer.	Adobe Flash Plugin	Not Applicable		Not Available	Not Applicable	Available	Available	Not Available		Not Available	Not Applicable	NO							
				6. To Study the effect of chiral substances on protein stability and its effect on CD spectrum of proteins.	Adobe Flash Plugin	Not Applicable		Not Available	Not Applicable	Available	Available	Available		Not Available	Not Applicable	YES							
				7.To understand 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 Available	Not Applicable	Not Available	Available	Not Available		Not Available	Not Applicable	YES							
				8. To study the thermal stability of proteins.	Adobe Flash Plugin	Not Applicable		Available	Available	Available	Available	Available		Not Available	Not Applicable	NO							
				9. To study the effect of chemical denaturants on protein stability.	Adobe Flash Plugin	Not Applicable		Available	Available	Available	Not Available	Available		Not Available	Not Applicable	YES							
				10. To study the comparison between protein unfolding and protein aggregation in the presence of chemical denaturing agents.	Adobe Flash Plugin	Not Applicable		Available	Available	Available	Not Available	Available		Not Available	Not Applicable	NO							
14	EERC04	Basic Structural Analysis		Single Span Beams Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available	Available	Not Available	Not Applicable	YES	Pradeep Ramancharla Email ID : ramancharla@iiit.ac.in	Required .java & .fla source code for all the experiments.					
				Continuous Beams Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Column Analysis Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Portal Frames Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Plates Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Rigid Joints Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Arches Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Trusses Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Retaining Walls Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							
				Plastic Hinge Experiment	Java 3D, Flash,Java and IcedTea plugin	Not Available		Available	Available	Available	Not Applicable	Available		Not Available	Not Applicable	YES							

S.NO	Lab Id	Lab Name	No of experiments	List of Experiments	Client side Dependencies	.java	.class	.jar	.jsp	.js	.py	.php	.swf	.fla	.c	Source code required or not (Yes/No)	Developer of the Lab (Email id)	Summary	Analytics Year	Unique visitors	Number of visits	Pages	Hits
15	CSE16	Analog CMOS VLSI Circuit Design																Vijay Shankara Email ID vijay.p@iiit.ac.in	None	2014	<= 597	7,371 (2.28 visits/visitor)	17,736 (9.90 Pages/Visit)	33,025 (29.84 Hits/Visit)
			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		Not Applicable	Not Applicable	Available	Not Applicable	Available		Not Applicable	Not Applicable	NO							
			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		Not Applicable	Not Applicable	Available	Not Applicable	Available		Not Applicable	Not Applicable	NO			2016	<= 612	668 (1.18 visits/visitor)	2960 (6.06 Pages/Visit)	7,009 (22.66 Hits/Visit)
			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		Not Applicable	Not Applicable	Available	Not Applicable	Available		Not Applicable	Not Applicable	NO							
			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		Not Applicable	Not Applicable	Available	Not Applicable	Available		Not Applicable	Not Applicable	NO							
			5	Design and characterization of differential amplifier : * Transfer Characteristics (Vin v/s Vout) * Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	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		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		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		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 Applicable	Available	Not Applicable	Available		Not Applicable	Not Applicable	NO							
16	CSE17	Mobile Robotics																Madhava Krishna Email ID mkrishna@iiit.ac.in	Required java source code for all the experiments.					
			1	Sensor Modelling	Java & Iced-tea plugin	Not Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			2	Velocity Modelling	Java & Iced-tea plugin	Not Available	Not Available	Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			3	Mapping	Java & Iced-tea plugin	Not Available	Not Available	Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			4	Localization	Java & Iced-tea plugin	Not Available	Available	Not Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			5	Grid based navigation	Java & Iced-tea plugin	Not Available		Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			6	Forward kinematics	Java & Iced-tea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			7	Scan matching	Java & Iced-tea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			8	RRT based path planning	Java & Iced-tea plugin	Not Available		Available	Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			9	Exploration	Java & Iced-tea plugin	Not Available		Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							
			10	Monte Carlo localization	Java & Iced-tea plugin	Not Available		Available	Not Available	Not Applicable	Not Applicable	Available	Not Applicable	Not Applicable	Not Applicable	YES							

Sr No.	Lab Id	Lab Name	No of experiments	List of Experiments	Client side Dependencies	source code	L6 Yes or No ?	Summary	Analytics Year	Unique visitors
						.php				
1	CSE24	Natural Language Processing	1	1 Word Analysis	none	Available	Yes	source code of the lab is available.	2014	<= 146
			2	2. Word Generation	none	Available			2015	<= 246
			3	3. Morphology	none	Available				
			4	4. N-Grams	none	Available				
			5	5. N-Grams Smoothing	none	Available				
			6	6. POS Tagging: Hidden Markov Model	none	Available				
			7	7. POS Tagging: Viterbi Decoding	none	Available				
			8	8. Building POS Tagger	none	Available				
			9	9. Chunking	none	Available				
			10	10. Building Chunker	none	Available				
						.fla				
2	ccnsb03	Molecular Absorption Spectroscopy	1	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	Available	Yes	source code of the lab is available.	2014	<= 190
			2	Solvent effects on absorption spectra	Adobe Flash Plugin	Available			2015	<= 345
			3	Effects of sample path length	Adobe Flash Plugin	Available				
			4	Effects of sample concentration	Adobe Flash Plugin	Available				
			5	Determination of molar absorptivity	Adobe Flash Plugin	Available				
			6	Verification of Beer-Lambert Law	Adobe Flash Plugin	Available				
			7	Determination of unknown concentration of a light absorbing analyte	Adobe Flash Plugin	Available				
			8	Simultaneous estimation method for multicomponent samples: Principle of additivity of absorbance	Adobe Flash Plugin	Available				
			9	pH effects on absorption spectra: pKa determination by spectrophotometric method	Adobe Flash Plugin	Available				
				Study of kinetics of a reaction by using spectrophotometric method	Adobe Flash Plugin	Available				
						.fla				
3	ccnsb01	Molecular Florescenc	1	Introduction to the fluorescence spectroscopy principle	Adobe Flash Plugin	Available	Yes	None	2014	<= 185
			2	Familiarization with the fluorescence instrumentation	Adobe Flash Plugin	Available			2015	<= 216
			3	Familiarization with excitation and emission spectra, Mirror Image relation and Stokes Shift	Adobe Flash Plugin	Available				
			4	Demonstration of solvent effects on fluorescence spectra	Adobe Flash Plugin	Available				
			5	Demonstration of pH effects on fluorescence spectra	Adobe Flash Plugin	Available				
			6	Effects of concentration (optical density) of a fluorophore on emission spectra	Adobe Flash Plugin	Available				

					7	Relationship between the concentration of a fluorophore and its fluorescence intensity: Determination of unknown concentration of an analyte in solution	Adobe Flash Plugin	Available		
					8	Determination of fluorescence quantum yield of a fluorophore	Adobe Flash Plugin	Available		
					9	Fluorescence Quenching and Stern-Volmer plot: Estimation of the quenching constant from Stern-Volmer plot	Adobe Flash Plugin	Available		
					10	Effects of excimer and exciplex formations on fluorescence emission spectra	Adobe Flash Plugin	Available		
							.php			
4	CSE23	Computational Linguistics	None	None			none	Available	Yes	source code of the lab available.	2014 **<= 6**
										2015 **<= 86**
							.php, .js, .java			
5	cse30	Analog CMOs VLSI Ci	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	Yes	source code of the lab available.	2014 **<= 597**
			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			2015 **<= 412**
			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			
			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			
			5			Design and characterization of differential amplifier : * Transfer Characteristics (Vin v/s Vout) *Frequency Response (Vin v/s Frequency)	Java and IcedTea plugin	Available			
			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			
			7			Design and characterization of basic current mirror	Java and IcedTea plugin	Available			
			8			Design and characterization of cascode current mirror	Java and IcedTea plugin	Available			
			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			

First set of labs

S.No	Labs	Proffesor's Email ID's	Required Source files for the lab	sourcecode	CABIN NUM	New make file (Required or Not)
1	Data Structures[sources partially shared after mail]	Kishore Kothapalli Email ID: kkishore@iiit.ac.in	.fla	Not Available	B3-306	Required
2	Computer Programming [met in person and promised to give sources, rajan]	Jawahar C.V Email ID : jawahar@iiit.ac.in name: Rajan, email id: rajan.nandini@iiit.ac.in	.java (for 5th exp)	Not Available	A3-216	Required
3	Computer Organization (prof. said he will check with the students and later mail us.)	Suresh Purini Email ID : suresh.purini@iiit.ac.in	.java for 3rd exp, .fla for 1,2&10 exp	Not Available	B5-205A	Required
4	Problem Solving	Jawahar C.V Email ID : jawahar@iiit.ac.in	.c	Available	A3-216	Required(done)
5	Databases	Vikram Pudi Email ID :vikram@iiit.ac.in	None	Available	A5-310	Not Required
6	Digital Logic Design	Narayanan P J Email ID : pjn@iiit.ac.in	.java	Available	A3-215	Required (done)
7	Image Processing	Jayanthi Sivaswamy Email ID : jsivaswamy@iiit.ac.in	None	Available	A3-205	Not Required
8	Computer Graphics [contact revanth reddy]	Narayanan P J Email ID : pjn@iiit.ac.in	.java	Available for 6 experiments, still we need .java files for last 4 experiments.	A3-215	Required
9	Pattern Recognition [met prof. he said will check, so waiting for the response.]	Anoop Namboodiri Email ID : anoop@iiit.ac.in	.java	Not Available	A3-217	Required
10	Data Mining	Vikram Pudi Email ID :vikram@iiit.ac.in	None	Available	A5-303	Not Required
11	Cryptography	Srinathan Kannan Email ID : srinathan@iiit.ac.in	None	Available	B3-308	Not Required
12	Artificial Neural Networks [gave the sources]	B. Yegnanarayana Email ID : yegna@iiit.ac.in	.java	Not Available	A3-216	Required
13	VLSI	Azeemuddin Syed Email ID : azeemuddin.s@iiit.ac.in	.java	Available	A5-317	Required(done)
14	Basic Engineering Mechanics and Strength of Materials [gave sources but two files are missing have to check raju sir)]	Pradeep Ramancharla Email ID : ramancharla@iiit.ac.in	.fla , .java	.fla files are available for all the experiments. except 4th experiment	C1-EERC	Required
15	Hydraulics and Fluid Mechanics [raju, files are missing and test the given sources]	Pradeep Ramancharla Email ID : ramancharla@iiit.ac.in	.fla , .java	Available	C1-EERC	Required(done)
16	Physical Chemistry [no response]	Deepaa Subbu Email ID : deepaasubbu@yahoo.com	.java (only for last two exps) , .fla (for all)	Not Available		Required
17	Physical Sciences [got response to check the sources he gave time slot today]	Tapan Kumar Sau Email ID : tapan.sau@iiit.ac.in	.java , .fla	Not Available	A3-306	Required

second set of labs

S.no	Labs	Proffesor's Email ID's	sourcecode	New make file (Required or Not)
1	Natural Language Processing	Dipti Sharma Email ID : dipti@iiit.ac.in	Available	Not Required
2	Colloid and Surface Chemistry	TapanKumar Sau Email ID : tapan.sau@iiit.ac.in	Not Available	Required
3	Molecular Absorption Spectroscopy	TapanKumar Sau Email ID : tapan.sau@iiit.ac.in	Available	Not Required
4	Molecular Interactions	Krishnan Marimuttu Email ID : m.krishnan@iiit.ac.in	Not Available	Required
5	Geotechnical Engineering Lab	Abhishek Bharadwaj Email ID: abhishek.bharadwaj@students.iiit.ac.in	Not Available	Required
6	Computational Linguistics	Dipti Sharma Email ID : dipti@iiit.ac.in	Available	Not Required
7	Structural Dynamics	Abhishake M Email ID : abhishake.m@research.iiit.ac.in Raju sangam Email:rajus@research.iiit.ac.in	Not Available	Required
8	Speech Signal Processing	Yegnanarayana B Email ID : yegna@iiit.ac.in	Not Available	Required
9	Optical Remote Sensing	Rajan K.S Email ID : rajan@iiit.ac.in	Not Available	Required
10	Soil Mechanics and Foundation Engineering	Pradeep Ramancharla Email ID : ramancharla@iiit.ac.in	Not Available	Required
11	Molecular Florescence Spectroscopy	TapanKumar Sau Email ID : tapan.sau@iiit.ac.in	Available	Not Required
12	Quantum Chemistry	Deva PriyaKumar Email ID : deva@iiit.ac. Prabhakar B Email ID : prabhakar.b@iiit.ac.in	Not Available	Required
13	Circular Dichronism Spectroscopy	Abhijit Mitr Email ID : abi_chem@iiit.ac.in	Not Available	Required
14	Basic Structural Analysis	Pradeep Ramancharla Email ID : ramancharla@iiit.ac.in	Not Available	Required
15	Analog CMOs VLSI Circuit Design	Vijay Shankara Email ID : vijay.p@iiit.ac.in	Available	Required(done)
16	Mobile Robotics	Madhava Krishna Email ID : mkrishna@iiit.ac.in	Not Available	Required

18	Principles of Programming Languages	Venkatesh Choppella Email ID : venkatesh.choppella@iiit.ac.in Vasudeva Varma Email ID: vv@iiit.ac.in	None	Available		Required						
19	Linux Lab	Venkatesh Choppella Email ID : venkatesh.choppella@iiit.ac.in	None	Available		Not Required						
20	EM Theory [met with prof. but didn't got source files.]	Azeemuddin Syed Email ID : azeemuddin.s@iiit.ac.in	.java	Not Available		Required						
	Already have complete sources	8										
	No response from prof	1										
	sources shared but partially	2										
	got response from profs. but didn,t get the source files.	4										
	got sources	4										