## Fr. Conceicao Rodrigues College of Engineering Department of Computer Engineering

#### Lesson Plan Academic year 2022 - 23 (ODD SEM)

Subject Code : CSDLO5012	Year/ Semester : T. E(Comp) / Sem V
Name of the Subject: Internet Programming	Class: Div A and B

#### Faculty Incharge : Prof. Prachi Patil

			eaching Scho Contact Hou			Credits	Assigned	
Subject Code	Subject Name	Theory	Practical	Tutorial	Theory	Practic al/ Oral	Tutorial	Total
CSDLO5012	Internet Programming	03	-	-	3	-	-	3

	Examination Scheme								
Subject Subject Name Code		Theory Marks				Practical			
	Inter	nal asses	sment	End		&	Oral	Total	
	Test1	Test 2	Avg. of 2 Tests	Sem. Exam	work (Mark)	Oral (Mark)	(Mark )	(Mark )	
Internet	20	20	20	80	-	-	-	100	
Programming									
	Internet	Inter Test1 Internet 20	Internal assesInternet2020	Internal assessmentInternetTest1Test 2Avg. of 2 TestsInternet202020	Subject NameTheory MarksInternal assessmentEndTest1Test 2Avg. of 2 TestsSem.Internet20202080	Subject NameTheory MarksInternal assessmentEnd Sem.Term Work (Mark)Internet20202080-	Subject NameTheory MarksPractical & Test1Internal assessmentEnd 2 TestsTerm Sem. ExamPractical & Oral (Mark)Internet20202080	Subject NameTheory WarksTeory WarksPractical & Oral Oral (Mark)InternetEnd Sem.Practical & Oral Oral (Mark)Oral (Mark)Internet20202080	

#### Prerequisite: Data Structures, Programming Languages- JAVA, Python

### **Department of Computer Engineering**

#### Course Objective:

- 1. To get familiar with the basics of Internet Programming.
- 2. To acquire knowledge and skills for creation of web sites considering both clientand server side programming.
- 3. To gain the ability to develop responsive web applications and explore differentweb extensions and web services standards.
- 4. To learn characteristics of RIA and React js

<u>**Course Outcomes :**</u> On successful completion of course learner will be able:

CSDLO5012.1	Implement interactive web page(s) using HTML and CSS.
CSDLO5012.2	Design a responsive web site using JavaScript and demonstrate database connectivity using JDBC.
CSDLO5012.3	Demonstrate Rich Internet Application using Ajax and demonstrate various web extensions
CSDLO5012.4	Demonstrate web application using ReactJs

Module		Content	Hr
1		Introduction to Web Technology	10
1.1	<ul> <li>Web Essentials: Clients, Servers and Communication, The Internet, Basic Internet protocols, World wide web, HTTP Request Message, HTTP Response Message, Web Clients, Web Servers</li> <li>HTML5 – fundamental syntax and semantics, Tables, Lists, Image, HTML5 control elements, Semantic elements, Drag and Drop, Audio – Video controls</li> <li>CSS3 – Inline, embedded and external style sheets – Rule cascading, Inheritance, Backgrounds, Border Images, Colors, Shadows, Text, Transformations, Transitions, Animation, Basics of Bootstrap.</li> </ul>		
2		Front End Development	7
	2.1	Java Script: An introduction to JavaScript–JavaScript DOM Model- Date and Objects-Regular Expressions- Exception Handling- Validation-Built-in objects-Event Handling, DHTML with JavaScript- JSON introduction – Syntax – Function Files – Http Request – SQL.	
3.		Back End Development	7
	3.1	Servlets: Java Servlet Architecture, Servlet Life Cycle, Form GET and POST actions, Session Handling, Understanding Cookies, Installing and Configuring Apache Tomcat Web Server, Database Connectivity: JDBC perspectives, JDBC program example JSP: Understanding Java Server Pages, JSP Standard Tag Library (JSTL), Creating HTML forms by embedding JSP code.	
4		Rich Internet Application (RIA)	4
	4.1	Characteristics of RIA, Introduction to AJAX: AJAX design basics, AJAX vs Traditional Approach, Rich User Interface using Ajax, jQuery framework with AJAX.	
5		Web Extension: PHP and XML	6
	5.1	XML –DTD (Document Type Definition), XML Schema, Document Object Model, Presenting XML, Using XML Parsers: DOM and SAX, XSL-eXtensible Stylesheet Language	
	5.2	Introduction to PHP- Data types, control structures, built in functions, building web applications using PHP- tracking users, PHP and MySQLdatabase connectivity with example.	
6		React js	5
	6.1	Introduction, React features, App "Hello World" Application, Introduction to JSX, Simple Application using JSX.	
		사람 가지 않는다. 11 전 2017년 13 2017년 14 12 2017년 2	39

### **Department of Computer Engineering**

#### **Text Books:**

- 1. Ralph Moseley, M.T. Savliya, "Developing Web Applications", Willy India, Second Edition, ISBN: 978-81 -265-3867-6.
- 2. "Web Technology Black Book", Dremtech Press, First Edition, 978-7722-997.
- 3. Robin Nixon, "Learning PHP, MySQL, JavaScript, CSS & HTML5" Third Edition, O'REILLY, 2014.
- 4. Dana Moore, Raymond Budd, Edward Benson, Professional Rich Internet Applications: AJAX and Beyond Wiley publications.
- 5. Alex Banks and Eve Porcello, Learning React Functional Web Development withReact and Redux,OREILLY, First Edition

#### **Reference Books :**

- 1. Harvey & Paul Deitel& Associates, Harvey Deitel and Abbey Deitel, Internet andWorld Wide Web How To Program, Fifth Edition, Pearson Education, 2011.
- 2. Achyut S Godbole and Atul Kahate, —Web Technologies, Second Edition, Tata McGraw Hill, 2012.

#### At the end of this course students should be able to:

CO		Blooms Taxanomy	Explanation
CSDLO5 012.1	Implement interactive web page(s) using HTML and CSS.	Knowledge - involves recognizing or remembering facts, terms, basic concepts, or answers Comprehension - explains, gives examples, shows relationship of ) Apply-(Involves applying acquired knowledge, facts, techniques and rules)	Understand and apply the fundamentals of CSS and HTML
CSDLO5 012.2	Design a responsive web site using JavaScript and demonstrate database connectivity using JDBC.	Apply-(Involves applying acquired knowledge, facts, techniques and rules)	Implement responsive websites, error handling using java script
CSDLO5 012.3	Demonstrate Rich Internet Application using Ajax and demonstrate various web extensions	Apply-(Involves applying acquired knowledge, facts, techniques and rules)	Implement database connectivity
CSDLO5 012.4	Demonstrate web application using ReactJs	Knowledge - involves recognizing or remembering facts, terms, basic concepts, or answers Analysis- Analysis of elements, Analysis of relationships, Analysis of organization	Categories and corelate various front end technologies with backend technologies

### **Department of Computer Engineering**

#### **CO-PO-PSO Mapping :**

Course Outcomes (COs)	Program Outcomes(POs)											Program Specific Objectives (PSO)	
СО	<b>PO</b> 1	PO 2	PO 3	PO 4	PO 5	PO 6	<b>PO</b> 7	PO 8	PO 9	PO 11	PO 12	PSO 1	PS O2
CSDLO5012. 1	1	1											
CSDLO5012. 2	1	1											
CSDLO5012. 3	1	1	1										
CSDLO5012. 4	1												

### **CO** Assessment Tools:

CSDLO5012.1 Implement interactive web page(s) using HTML and CSS.

Direct Method Tools (dm)	Wt=80%
Assignment1(assign)	0.3
UnitTest1(ut1)	0.4
End Sem Marks(Theory) (uth)	0.3
Indirect Method Tools(idm)	Wt=20%
Course Exit Survey (idm)	
CSDL05012.1= 0.8* CSDL05012.1dm + 0.2* CSDL05012.1idm	

### **CO** Assessment Tools:

CSDLO5012.2 Design a responsive web site using JavaScript and demonstrate database connectivity using JDBC.

Direct Method Tools (dm)	Wt=80%
Assignment1(assign)	0.3
UnitTest1(ut1)	0.4
End Sem Marks(Theory) (uth)	0.3
Indirect Method Tools(idm)	Wt=20%
Course Exit Survey (idm)	
CSDL05012.2= 0.8* CSDL05012.2dm + 0.2* CSDL05012.2idm	

### **CO Assessment Tools:**

# **Department of Computer Engineering** <u>CSDLO5012.3 Demonstrate Rich Internet Application using Ajax and demonstrate various web extensions</u>

Direct Method Tools (dm)	Wt=80%
Assignment1(assign)	0.3
UnitTest1(ut1)	0.4
End Sem Marks(Theory) (uth)	0.3
Indirect Method Tools(idm)	Wt=20%
Course Exit Survey (idm)	
CSDL05012.3= 0.8* CSDL05012.3dm + 0.2* CSDL05012.3idm	

### **CO** Assessment Tools:

#### CSDLO5012.4 Demonstrate web application using ReactJs

Direct Method Tools (dm)	Wt=80%
UnitTest1(ut1)	0.5
End Sem Marks(Theory) (uth)	0.5
Indirect Method Tools(idm)	Wt=20%
Course Exit Survey (idm)	
CSDL05012.4= 0.8* CSDL05012.4dm + 0.2* CSDL05012.4idm	

#### **Rubrics for Assignment:**

Indicator	Very Poor	Poor	Average	Good	Excellent
On time Submission (2)	Experiment not submitted (0)	More than two session late (0.5)	5) Two sessions late (1) One session late (1.5)		Early or on time (2)
Coding Standards (4)	N/A	A difficult and inefficient solution. Does not execute due to errors. User prompts are misleading or non-existent (1)	A logical solution that is easy to follow but it is not the most efficient. Executes without errors. User prompts contain little information, poor design. (2)	Solution is efficient, easy to understand, and maintain Executes without errors. User prompts are understandable, minimum use of symbols or spacing in output. (3)	Solution is efficient and easy to follow (i.e. no confusing tricks). Executes without errors excellent user prompts, good use of symbols, spacing in output. (4)
Knowledge of concepts (4)	N/A	Major points are omitted / addressed minimally (1)	All major topics are covered, the information is accurate. (2)	Most major and some minor criteria are included. Information is Accurate (3)	All major and minor criteria are covered and are accurate. (4)

### Fr. Conceicao Rodrigues College of Engineering Department of Computer Engineering

### Lecture Plan (Div A)

Lecture No	Topics	Delivery Mode	Planned Date	Actual Date
1.	WebEssentials:Clients,ServersandCommunication,TheInternet, Basic InternetTheInternet, Basic InternetWorld wide web,World wide web,HTTPRequest Message,HTTPResponse Message,WebClients,Web Servers	Online Demonstration, classroom teaching	18-7-22	18-7-22
2.	HTML5 – fundamental syntax and semantics	Online Demonstration, classroom teaching	20-7-22	20-7-22
3.	Tables, Lists, Image.	Online Demonstration, classroom teaching	22-7-22	22-7-22
4.	HTML5 control elements, Semantic elements	Online Demonstration, classroom teaching	25-7-22	25-7-22
5.	Drag and Drop, Audio –Video controls	Online Demonstration, classroom teaching	27-7-22	27-7-22

6.	CSS3 – Inline, embedded	ent of Computer I Online	29-7-22	29-7-22
	and external style sheets -Rule	Demonstration,		
		classroom teaching		
7.	cascading, Inheritance,	Online	1-8-22	1-8-22
	Backgrounds,	Demonstration,		
		classroom teaching		
8.	Border Images, Colors,	Online	3-8-22	3-8-22
	Shadows, Text,	Demonstration,		
		classroom teaching		
9.	Transformations,	Online	5-8-22	5-8-22
	Transitions, Animation	Demonstration,		
		classroom teaching		
10.	Basics of Bootstrap	Online	8-8-22	8-8-22
		Demonstration,		
		classroom teaching		
11.	Java Script: An introduction	Online	10-8-22	10-8-22
	to JavaScript	Demonstration,		
		classroom teaching		
12.	JavaScript DOM	Online	12-8-22	12-8-22
	Model-Date and Objects	Demonstration,		
		classroom teaching		
13.	Regular Expressions-	Online	15-8-22	15-8-22
	Exception Handling	Demonstration,		
		classroom teaching		
14.	Validation-Built-in objects	Online	17-8-22	17-8-22
		Demonstration,		
		classroom teaching		
15.	Event Handling, DHTML	Online	19-8-22	19-8-22
	with JavaScript	Demonstration,		
		classroom teaching		
16.	JSON introduction	Online	22-8-22	22-8-22
	–Syntax	Demonstration,		
		classroom teaching		
17.	Function Files – Http	Online	24-8-22	24-8-22
	Request –SQL.	Demonstration,		
		classroom teaching		
18.	Servlets: Java Servlet	Online	26-8-22	26-8-22
	Architecture, Servlet Life	Demonstration,		
	Cycle	classroom teaching		
19.	Form GET and POST	Online	29-8-22	29-8-22
	actions, Session Handling,	Demonstration,		
	Understanding Cookies	classroom teaching		
20.	Installing and Configuring	Online	31-8-22	31-8-22
	Apache Tomcat Web Server,	Demonstration,		

### **Department of Computer Engineering**

	Database Connectivity: JDBC perspectives	classroom teaching		
21.	JDBC program example	Online Demonstration,	2-9-22	2-9-22
22.	JSP: Understanding Java	classroom teaching Online	12-9-22	12-9-22
	Server Pages	Demonstration, classroom teaching		
23.	JSP Standard Tag Library (JSTL)	Online Demonstration, classroom teaching	14-9-22	14-9-22
24.	Creating HTML forms by embedding JSP code.	Online Demonstration, classroom teaching	16-9-22	16-9-22
25.	Characteristics of RIA and Intro to AJAX	Online Demonstration, classroom teaching	19-9-22	19-9-22
26.	AJAX vs Traditional Approach	Online Demonstration, classroom teaching	21-9-22	21-9-22
27.	Rich User Interface usingAjax	Online Demonstration, classroom teaching	23-9-22	23-9-22
28.	jQuery framework with AJAX.	Online Demonstration, classroom teaching	26-9-22	26-9-22
29.	XML –DTD (Document Type Definition)	Online Demonstration, classroom teaching	28-9-22	28-9-22
30.	XML Schema, Document Object Model, Presenting XML	Online Demonstration, classroom teaching	30-9-22	30-9-22
31.	Using XML Parsers: DOMand SAX, XSL-eXtensible Stylesheet Language	Online Demonstration, classroom teaching	3-10-22	3-10-22
32.	Introduction to PHP	Online Demonstration, classroom teaching	5-10-22	5-10-22
33.	building web applications using PHP	Online Demonstration, classroom teaching	7-10-22	7-10-22
34.	tracking users,	Online Demonstration,	7-10-22	7-10-22

		classroom teaching		
35.	PHP and MySQL database	Online	10-10-22	10-10-22
	connectivity with example	Demonstration,		
		classroom teaching		
36.	Introduction, React	Online	12-10-22	12-10-22
	features,	Demonstration,		
		classroom teaching		
37.	App "Hello World"	Online	14-10-22	14-10-22
	Application,	Demonstration,		
		classroom teaching		

### **Department of Computer Engineering**

Lecture No	n (Div B) Topics	Delivery Mode	Planned Date	Actual Date
1.	WebEssentials:Clients,ServersandCommunication,TheInternet, Basic Internetprotocols,World wide web, HTTPRequest Message, HTTPResponse Message, WebClients, Web Servers	Online Demonstration, classroom teaching	19-7-22	19-7-22
2.	HTML5 – fundamental syntax and semantics	Online Demonstration, classroom teaching	21-7-22	21-7-22
3.	Tables, Lists, Image.	Online Demonstration, classroom teaching	22-7-22	22-7-22
4.	HTML5 control elements, Semantic elements	Online Demonstration, classroom teaching	26-7-22	26-7-22
5.	Drag and Drop, Audio –Video controls	Online Demonstration, classroom teaching	28-7-22	28-7-22
6.	CSS3 – Inline, embedded and external style sheets –Rule	Online Demonstration, classroom teaching	29-7-22	29-7-22
7.	cascading, Inheritance, Backgrounds,	Online Demonstration, classroom teaching	2-8-22	2-8-22
8.	Border Images, Colors, Shadows, Text,	Online Demonstration, classroom teaching	4-8-22	4-8-22
9.	Transformations, Transitions, Animation	Online Demonstration, classroom teaching	5-8-22	5-8-22
10.	Basics of Bootstrap	Online Demonstration, classroom teaching	9-8-22	9-8-22
11.	Java Script: An introduction to JavaScript	Online Demonstration, classroom teaching	11-8-22	11-8-22
12.	JavaScript DOM Model-Date and Objects	Online Demonstration, classroom teaching	12-8-22	12-8-22
13.	Regular Expressions-	Online	16-8-22	16-8-22

	Exception Handling	Demonstration,		
14.	Validation-Built-in objects	classroom teaching Online Demonstration, classroom teaching	18-8-22	18-8-22
15.	Event Handling, DHTML with JavaScript	Online Demonstration, classroom teaching	19-8-22	19-8-22
16.	JSON introduction –Syntax	Online Demonstration, classroom teaching	23-8-22	23-8-22
17.	Function Files – Http Request – SQL.	Online Demonstration, classroom teaching	25-8-22	25-8-22
18.	Servlets: Java Servlet Architecture, Servlet Life Cycle	Online Demonstration, classroom teaching	26-8-22	26-8-22
19.	Form GET and POST actions, Session Handling, Understanding Cookies	Online Demonstration, classroom teaching	30-8-22	30-8-22
20.	Installing and Configuring Apache Tomcat Web Server, Database Connectivity: JDBC perspectives	Online Demonstration, classroom teaching	1-9-22	1-9-22
21.	JDBC program example	Online Demonstration, classroom teaching	2-9-22	2-9-22
22.	JSP: Understanding Java Server Pages	Online Demonstration, classroom teaching	13-9-22	13-9-22
23.	JSP Standard Tag Library (JSTL)	Online Demonstration, classroom teaching	15-9-22	15-9-22
24.	Creating HTML forms by embedding JSP code.	Online Demonstration, classroom teaching	16-9-22	16-9-22
25.	Characteristics of RIA and Intro to AJAX	Online Demonstration, classroom teaching	20-9-22	20-9-22
26.	AJAX vs Traditional Approach	Online Demonstration, classroom teaching	22-9-22	22-9-22
27.	Rich User Interface usingAjax	Online	23-9-22	23-9-22

		Demonstration, classroom teaching		
28.	jQuery framework with AJAX.	Online Demonstration, classroom teaching	27-9-22	27-9-22
29.	XML –DTD (Document Type Definition)	Online Demonstration, classroom teaching	29-9-22	29-9-22
30.	XML Schema, Document Object Model, Presenting XML	Online Demonstration, classroom teaching	30-9-22	30-9-22
31.	Using XML Parsers: DOMand SAX, XSL-eXtensible Stylesheet Language	Online Demonstration, classroom teaching	4-10-22	4-10-22
32.	Introduction to PHP	Online Demonstration, classroom teaching	6-10-22	6-10-22
33.	building web applications using PHP	Online Demonstration, classroom teaching	7-10-22	7-10-22
34.	tracking users,	Online Demonstration, classroom teaching	7-10-22	7-10-22
35.	PHP and MySQL database connectivity with example	Online Demonstration, classroom teaching	11-10-22	11-10-22
36.	Introduction, React features,	Online Demonstration, classroom teaching	13-10-22	13-10-22
37.	App "Hello World" Application,	Online Demonstration, classroom teaching	15-10-22	15-10-22

### **Department of Computer Engineering**

#### Practical Assignments and CO Mapping:

Assignment	Assignment Title	СО	Planned Date	Submission Deadline
No.		Mapping		
1.	Clone Google Home page	CO1	20-7-22	27-7-22
2.	Creating you Portfolio	CO1	22-7-22	29-7-22
3.	Making a Questionnaire	CO1	27-7-22	4-8-22
	(Using Table and form tag)			
4.	Create a form for student	CO1	13-9-22	20-9-22
	admission using HTML and			

	CSS			
5.	Validate the form created in Exercise 4 using Javascript	CO2	13-9-22	20-9-22
6.	Convert all form data (from Exercise 4) to JSon object (using FormData WebAPI)	CO2	13-9-22	20-9-22
7.	Send the Form Data (Exercise 6) from client to server using Ajax	CO2	13-9-22	20-9-22
8.	XML, XSLT, DTD/XML Schema, XPath.	CO2	26-9-22	4-10-22
9.	PHP <read and="" display="" html<br="">form contents using PHP&gt;</read>	CO3	1-10-22	7-10-22
10.	PHP <read and="" display="" html<br="">form contents using PHP&gt;</read>	CO3	1-10-22	7-10-22
11.	Client server Application using Nodejs and Javascript <two way communication&gt;</two 	CO3	1-10-22	7-10-22
12.	12 (a): Create Dynamic webpage using Servlets	CO3	6-10-22	13-10-22
	12(b): Create Dynamic Web page using Servlet			
13.	Form validation using JSP	CO3	8-10-22	16-10-22

### **Department of Computer Engineering**

#### Unit Test 1 Paper:

### FR. CONCEICAO RODRIGUES COLLEGE OF ENGG.

Fr. Agnel Ashram, Bandstand, Bandra (W) Mumbai 400 050.

#### I UNIT TEST

#### SEMESTER / BRANCH: V/COMPUTER SUBJECT: INTERNET PROGRAMMING DATE:07-09-22

MAX. MARKS: 20 TIMING: 10am

Student should be able to						
CSC5	012.1	Implement interactive web pages using HTML and CSS				
CSC5	012.2					
Q.NO	Quest	tions	MARKS	CO	BL	PI
1.A	What are the different ways to add css file to a HTML page. 5 CSC5012. 2 2.6.4			2.6.4		
	Explain any 2 methods with example. Mention the advantage 1					
	ofead	of each method				

	igineer mg			1
Explain with proper syntax and example how to use 5 types of	5	CSC5012.	1	2.6.3
CSS selectors.		1		
OR				
Write html statement for following	5	CSC5012.	2	2.6.3
		1		
1. Create largest size text "Welcome to D12A Class"				
2.Hyperlink "university" to url http://www.mu.ac.in/timetable				
4. Create 2 text boxes with label,1 drop down list ,2				
checkboxes.				
Demonstrate any 1 example of 2D transform using CSS.	5	CSC5012.	3	2.6.3
		1		
Design form with textbox and two radio button upper case and	5	CSC5012.	3	2.6.3
		2		
	5	CSC5012.	3	2.6.3
		2		
automatically after every five seconds.				
OR				
	5	CSC5012.	3	2.6.4
using an example.		2		
Explain how to create Javascript object 'student' which has	5	CSC5012.	3	2.6.3
properties like marks of 3 subjects. Demonstrate how to		2		
calculate total marks for that student by calling a function.				
	OR         OR         Write html statement for following         1. Create largest size text "Welcome to D12A Class"         2.Hyperlink "university" to url http://www.mu.ac.in/timetable         3. Insert image in background.         4. Create 2 text boxes with label,1 drop down list ,2 checkboxes.         5. Divide your screen into 6 equal partitions (using frames).         Demonstrate any 1 example of 2D transform using CSS.         Design form with textbox and two radio button upper case and lower case of text in text box should get change according to button selected.         Explain "Window" object of JavaScript DOM. Write JavaScript code to change background color of the web page automatically after every five seconds.         OR         plain how form validation can be done with Regular expression using an example.         Explain how to create Javascript object 'student' which has properties like marks of 3 subjects. Demonstrate how to	CSS selectors.       OR         Write html statement for following       5         1. Create largest size text "Welcome to D12A Class"       5         2.Hyperlink "university" to url http://www.mu.ac.in/timetable       5         3. Insert image in background.       4. Create 2 text boxes with label,1 drop down list ,2 checkboxes.         5. Divide your screen into 6 equal partitions (using frames).       5         Demonstrate any 1 example of 2D transform using CSS.       5         Design form with textbox and two radio button upper case and lower case of text in text box should get change according to button selected.       5         Explain "Window" object of JavaScript DOM. Write JavaScript code to change background color of the web page automatically after every five seconds.       5         OR       0R         plain how form validation can be done with Regular expression using an example.       5         Explain how to create Javascript object 'student' which has properties like marks of 3 subjects. Demonstrate how to       5	CSS selectors.       1         OR       1         Write html statement for following       5       CSC5012.         1. Create largest size text "Welcome to D12A Class"       1         2.Hyperlink "university" to url http://www.mu.ac.in/timetable       1         3. Insert image in background.       4. Create 2 text boxes with label,1 drop down list ,2 checkboxes.       5         5. Divide your screen into 6 equal partitions (using frames).       5       CSC5012.         Demonstrate any 1 example of 2D transform using CSS.       5       CSC5012.         1       1       2       1         Design form with textbox and two radio button upper case and lower case of text in text box should get change according to button selected.       5       CSC5012.         Explain "Window" object of JavaScript DOM. Write JavaScript code to change background color of the web page automatically after every five seconds.       5       CSC5012.         Plain how form validation can be done with Regular expression using an example.       5       CSC5012.       2         Explain how to create Javascript object 'student' which has properties like marks of 3 subjects. Demonstrate how to       5       CSC5012.       2	ORImage: 1 model of 1ORWrite html statement for following5CSC5012.21. Create largest size text "Welcome to D12A Class" 2.Hyperlink "university" to url http://www.mu.ac.in/timetable 3. Insert image in background. 4. Create 2 text boxes with label,1 drop down list ,2 checkboxes. 5. Divide your screen into 6 equal partitions (using frames).11Demonstrate any 1 example of 2D transform using CSS.5CSC5012.3Design form with textbox and two radio button upper case and lower case of text in text box should get change according to button selected.5CSC5012.3Explain "Window" object of JavaScript DOM. Write JavaScript code to change background color of the web page automatically after every five seconds.5CSC5012.3Plain how form validation can be done with Regular expression using an example.5CSC5012.3Explain how to create JavaScript object 'student' which has properties like marks of 3 subjects. Demonstrate how to5CSC5012.3

### **Department of Computer Engineering**

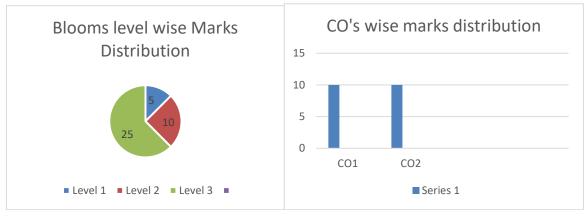
\*BL – Bloom's Taxonomy Levels (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)

\*CO – Course Outcomes

\*PO – Program Outcomes;

\*PI Code – Performance Indicator Code

BL Distribution PIE chart and CO distribution bar chart (Following diagram is just for reference purpose only)



### **Department of Computer Engineering**

#### Unit Test Paper 2:

#### FR. CONCEICAO RODRIGUES COLLEGE OF ENGG.

Fr. Agnel Ashram, Bandstand, Bandra (W) Mumbai 400 050.

II UNIT TEST

#### SEMESTER / BRANCH: V/COMPUTER (A & B) SUBJECT: INTERNET PROGRAMMING DATE:19-10-22

#### MAX. MARKS: 20 TIMING: 10am

Student	should be	able to				
CSDLO5012.3		Demonstrate Rich Internet Application using Ajax and demonstrate and differentiate various Web Extensions				
<b>CSD</b>	LO5012.4	Demonstrate web application using Reactive Js				
Q.NO	Questions	ons		CO	BL	PI
1	Show using an example how to receive response from server using AJAX.		5	CSDLO 5012.3	3	1.4.1 3.4.3
2	How are objects created in PHP? . Explain with example		5	CSDLO 5012.3	3	1.4.1 3.4.3
3	Differentiate between XML and HTML		5	CSDLO 5012.3	4	1.4.1 2.4.3
4	Explain fe	atures of Reactjs	5	CSDLO 5012.4	1	1.4.1

\*BL – Bloom's Taxonomy Levels (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)

\*CO – Course Outcomes ; \*PO – Program Outcomes; \*PI Code – Performance Indicator Code BL Distribution PIE chart and CO distribution bar chart (Following diagram is just for reference purpose only)

