FR. Conceicao Rodrigues College Of Engineering

Father Agnel Ashram, Bandstand, Bandra-west, Mumbai-50

Department of Computer Engineering T.E. (Computer) (semester V)

(2017-2018)

Course Outcomes & Assessment Plan

Total class Strength: 78

Faculty: Sunil Dilip Chaudhari

Syllabus:

PAC Members:	Head Of Department:

Course Code	Course/Subject Name	Credits
CPL501	Web Technologies Laboratory	2

	Sessions
INTRODUCTION TO WWW	01
 1.1 Internet Standards – Introduction to WWW – WWW Architecture – SMTP – POP3 – File Transfer Protocol 1.2 Overview of HTTP, HTTP request – response — Generation of dynamic web pages- W3C Validator, How web works - Setting up the environment (LAMP/XAMP/WAMP server) 	
2.1 Markup Language (HTML): Introduction to HTML and HTML5 -	03
	 1.1 Internet Standards – Introduction to WWW – WWW Architecture – SMTP – POP3 – File Transfer Protocol 1.2 Overview of HTTP, HTTP request – response — Generation of dynamic web pages- W3C Validator, How web works - Setting up the environment (LAMP/XAMP/WAMP server)

	2.2 Lists – Tables – Frames - HTML Forms and controls.	
	2.3 Cascading Style Sheet (CSS): The need for CSS, Introduction to CSS 3–Basic syntax and structure ,CSS Properties-Inline Styles – Embedding Style Sheets	
	2.4 Linking External Style Sheets – Backgrounds –Box Model(Introduction, Border Properties, Padding Properties, Margin Properties), Manipulating text - Margins and Padding - Positioning using CSS., Creating pageLayout and Site Designs	
03	3.1 Introduction - Core features - Data types and Variables - Operators, Expressions, and Statements, Functions - Objects - Array, Date and Math related Objects	03
	3.2 Document Object Model - Event Handling Controlling Windows & Frames and Documents Form handling and validations.	
	3.3 Advanced JavaScript - Browser Management and Media Management – Classes – Constructors – Object-Oriented Techniques in JavaScript	
	3.4 Object constructor and Prototyping - Sub classes and Super classes – JSON - jQuery and AJAX., Rich Internet Application with AJAX, JQuery Framework	
04	4.1 Introduction - Programming basics - Print/echo - Variables and constants- Strings and Arrays	04
	4.2 Operators, Control structures and looping structures – Functions – Reading Data in Web Pages	
	4.3 Embedding PHP within HTML - Establishing connectivity with MySQL database, cookies, sessions and Authentication	
	4.4 AJAX with PHP - AJAX with Databases	
05	5.1 Dynamic page generation (adding interactivity, styles, using HTML,DHTML, XHTML, CSS, Java Script), XML –DTD(Document Type	02
	Definition) - XML Schema	
	5.2 XML –DTD(Document Type Definition) - XML Schema – Document Object Model - Presenting XML - Using XML Parsers: DOM and SAX,XSL-eXtensible Style sheet Language	
06	6.1Introduction to Composer - MVC Architecture	01
	6.2 Web Application Development using web development framework:-Introduction to Laravel, Development of Web pages using Laravel. Example web applications – Interactive websites, web based information systems, blogs, social networking sites etc.	

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 Ediction, 978-7722-997
- 3. Robin Nixon, "Learning PHP, MySQL, JavaScript, CSS & HTML5" Third Edition,
 O'REILLY,2014.(http://www.ebooksbucket.com/uploads/itprogramming/javascript/Learning_PHP
 _MySQL_Javascript_CSS_HTML5__Robin_Nixon_3e.pdf)
- 4. Professional Rich Internet Applications: AJAX and Beyond, Dana Moore, Raymond Budd, Edward Benson, Wiley publications. https://ebooks-it.org/0470082801-ebook.htm

Reference Books:

- 1. Harvey & Paul Deitel& Associates, Harvey Deitel and Abbey Deitel, —Internet and World Wide Web How To Program, Fifth Edition, Pearson Education, 2011.
- 2. Achyut S Godbole and AtulKahate, —Web Technologiesl, Second Edition, Tata McGraw Hill, 2012.
- 3. Thomas A Powell, Fritz Schneider, —JavaScript: The Complete Referencell, Third Edition, Tata McGraw Hill, 2013
- 4. David Flanagan, —JavaScript: The Definitive Guide, Sixth Editionl, O'Reilly Media, 2011
- 5. Steven Holzner, —The Complete Reference PHPI, Tata McGraw Hill, 2008
- 6. Mike Mcgrath, —PHP & MySQL in easy Steps, Tata McGraw Hill, 2012.

Digital Material:

- 1. www.nptelvideos.in
- 2. www.w3schools.com
- 3. http://spoken-tutorial.org
- * *Setting up /buying the web host management system for hosting of mini project is recommended.

Term Work: The distribution of marks for term work shall be as follows:

Lab Assignments: 10 Marks
Mini Project: 10 Marks
Attendance: 05 Marks

Practical & Oral Examination:

Practical & Oral examination is to be conducted by pair of internal and external examiners based on the above syllabus.

Upon completion of this course students will be able to:

CPL501.1. Develop attractive interactive web site. (B3-Application)

CPL501.2. Develop Dynamic, Flexible, Transaction Based Web application using different web development tools **(B3-Application)**

CPL501.3: Understand the basics of XML, DTD and XSL and develop web pages using XML / XSLT.(**B1-remembering**)

CSL504.4: Analyze end user requirements and Develop Software requirement Specification (SRS) **(B3-Application)**

Mapping of CO and PO/PSO

Relationship of course outcomes with program outcomes: Indicate 1 (low importance), 2 (Moderate Importance) or 3 (High Importance) in respective mapping cell.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO1
	(Engg	(Ana)	(De	(inve	(tools)	(eng	(Env)	(Eth	(ind	(comm	(Piio	2
	Know)		sign)	stiga		g)	Team	.)	M)	(life
)		Soci))			Long
)
CSL504:.1	3	3	3		3				3	2		
CSL504:.2	3	3	3		3				3	2		
CSL504:.3	1				3							
CSL504:4	1	3	3		1							
Course	2.33	3	3		3				3	2		
To PO												

СО	PSO1	PSO2
CSL504.1	3	3
CSL504.2	3	3
CSL504.3	1	1
CSL504.4	2	2
CourseTo PO	2.33	2.33

Out of syllabus skills which students can learn depending on self commitment of Students initiative are as follows:

1. Writing Skills will help in documentation of project.

- 2. Cohesion and Coupling will help in developing flexible of modular web applications.
- 3. Collection Framework importance in developing Java Based Web applications.
- 4. SQL injection attacks prevention will secure web application.
- 5. Securing passwords will provide strong Authentication System.
- 6. Image animation using java script will help in making web site interactive.
- 7. Image/file upload or download will allow upload or download important files on server.
- 8. Email Sending Application will provide acknowledgement service.
- 9. SMS Sending Application will provide acknowledgement service.
- 10. One Time Password will make Strong Authorization System.
- 11. Session Management will help in managing each user session and avoid conflict

CO Assessment Tools:

CSL504:.1. Develop attractive interactive web site

Direct Method Tools (dm)	1		
Lab (lab)	0.3		
Quiz (Quiz)	0.1		
End Sem Marks(Practical)(utprac)	0.1		
Online Courses Certifications(onlineCerti)	0.2		
Mini Project (mp)	0.3		
Indirect Method Tools(idm)	1		
Course Exit Survey (CO1idm)			
CPL501.1 = 0.8*CO1dm + 0.2*CO1idm			

CSL504:.2. Develop Dynamic, Flexible Transaction Based Web application

Direct Method Tools (dm)	1		
Lab (lab)	0.3		
Quiz(Quiz)	0.1		
End Sem Marks(Practical)(utprac)	0.2		
Mini Project (mp)	0.4		
Indirect Method Tools(idm)	1		
Course Exit Survey (co3idm)			
<u>CPL501.3 = 0.8*CO3dm + 0.2* CO3idm</u>			

CSL504:.3: Understand the basics of XML, DTD and XSL and develop web pages using XML / XSLT.(**B1-remembering**)

Direct Method Tools (dm)	1		
Lab (lab)	0.5		
Quiz	0.5		
Indirect Method Tools(idm)	1		
Course Exit Survey (CO3idm)			
CPL501.3 = 0.8*CO3dm + 0.2* CO3idm			

CSL504.4: Analyze end user requirements and Develop Software requirement Specification (SRS)

Direct Method Tools (dm)	1		
SRS Document (srs)	1.0		
Indirect Method Tools(idm)	1		
Course Exit Survey (CO3idm)			
CPL501.3 = 0.8*CO3dm + 0.2* CO3idm			

Course Outcomes Target:

Upon completion of this course students will be able to:

CPL501.1. Develop attractive interactive web site.

Target level: 3

CPL501.2. Develop Dynamic, Flexible Transaction Based Web application

Target level: 3

CPL501.3: To learn how XML and its related technologies function and their applications

Target level: 3

CSL504.4: Analyze end user requirements and Develop Software requirement Specification (SRS)

Target level 3

CPL501.1. Develop attractive interactive web site.

Direct Methods	Criteria	Weighta	Marks
		ge	
Lab (Lab 1,2,3)	70% of Students with minimum score 70% marks	0.3	3*10=30
Mini Project	70% of Students with minimum score 70% marks	0.3	(Evaluation 1) 10
Quiz(1) (online)	70% of Students with	0.1	25+20+10=

(html,css,javascript)	minimum score 70% marks		55
Online Courses	All Students must	0.2	5
Certifications	successfully complete		
	courses		
End Exam Marks	70% of Students with	0.1	25
	minimum score 70% marks		
Course Exit survey	Total No of respondents?	Strongl	
	(75% students strongly	y Agree	
	aggree and agree)	, 0	
Total attainment	<u>CPL501.1 = 0.8*CO1dm +</u>		
	<u>0.2* CO1idm</u>		

CPL501.2. Develop Dynamic, Flexible Transaction Based Web application

Direct Methods	Criteria	weight	Marks
		age	
Lab	70% of Students with	0.3	5*10=50
(Lab 4 to 8)	minimum score 70% marks	0.5	2.10=20
(Lab 4 to 8)	minimum score 70% marks		
Mini Project	60% of Students with	0.4	(Evaluation 2
	minimum score 70% marks		&3)10+10=20
Quiz(online)	50% of Students with	0.1	(20+20+10)=50
(2)	minimum score 60% marks		
(Servlets,Jsp,Jdbc)			
End Exam Marks	70% of Students with	0.2	25
	minimum score 70% marks		
Course Exit survey	Total No of respondents	Stron	
	?	gly	
	(75% students strongly	Agree	
	aggree and agree)		
Total attainment	<u>CPL501.3 = 0.8*CO1dm +</u>		
	<u>0.2* CO1idm</u>		

CPL501.3: To learn how XML and its related technologies function and their applications **(B1-remembering)**

Direct Methods	Criteria	weightag e	Marks
lab	70% of Students with minimum score 70% marks	0.5	10
Quiz	70% of Students with minimum score 70% marks	0.5	5
Course Exit survey	/===/		
Total attainment	<u>CPL501.1 = 0.8*CO1dm +</u> <u>0.2* CO1idm</u>		

CSL504.4: Analyze end user requirements and Develop Software requirement Specification (SRS)

Direct Methods	Criteria	weightag e	Marks
Software Requirement Specification	70% of Students with minimum score 70% marks	1.0	10
Course Exit survey	Total No of respondents ? (75% students strongly aggree and agree)	Strongly Agree	
Total attainment	<u>CPL501.1 = 0.8*CO1dm +</u> <u>0.2* CO1idm</u>		

Content Beyond Syllabus:

Sr.No.	Curriculum gap contents	Action Plan	Mapping to CO
1.	JDBC	Planning to take Practicals	CO2
2.	MVC architecture using JAVA	Source Moodle Study	CO2
	based web Technologies:	Material& lab	
3.	Usage of online tools for	Self learning online resource	CO2
	Documentation:	www.codeschool.com	
4.	Cohesion and Coupling	Source Moodle Study	CO2
		Material	

Curriculum Gap:

In the 2^{nd} year the students study the course OOPM& DBMS that is prerequisite for this course. For the transition from 2^{nd} year to 3^{rd} year there is no curriculum gap.

In order to achieve the course objectives, there are some topics listed below are not given much importance.

Sr.No.	Curriculum gap contents	Action Plan	Mapping to CO
1.	MVC architecture	One Practical Session with sample application demo Guest Lecture.	CO2
2.	Jquery & Angular web hosting on cloud	Self learning online course (angular / react/ MEAN stack/AWS web deployment	CO1
3.	Interactive web page Development (Jquery/ajax/angularJs)	Guest Lecture is planned in September	CO2

Justification

CO1 maps PO's in following manner,

PO1: Student's apply knowledge of Engineering fundamentals to make automated systems. i.e. Online Tiffin Services.

PO2:Students do requirement gathering for a chosen project .Also analyses the requirements.

PO3:Students design the website layout for chosen project

PO5:Students use the IT tools like netbeans, eclipse, sublimeText,Email,SMS,file upload API's for development of chosen project

PO7:Students develop web sites which are beneficial to the society

PO9:Students work in a team to develop project using web technologies. Students also progress independently

CO2 maps PO's in following manner:

PO1:Students use knowledge of Development tools for development of web site as well as web application

PO5: Students use new development tools like netbeans, eclipse, umbrello, email sending API, File upload API etc.

PO1:Students apply knowledge of Engineering fundamentals to make automated systems. i.e. Online Grevience Redressal System.

PO2:Students do requirement gathering for a chosen project .Also analyses the requirements.

PO3:Students design the ER Diagram, use case diagram etc. for chosen project

PO5:Students use the IT tools like netbeans/eclipse for development of chosen project

PO7:Students develop web applications which are beneficial to the society

PO9:Students work in a team to develop web applications using web technologies. Students also progress independently by working in their favorite area.

CO3 maps PO's in following manner:PO1: PO5: Students use netbeans or sublime text tool for creating xml files

CO's maps PSO's in following manner:

PSO1: **All** COs are mapped to PSO1 because the graduates will be able to apply fundamental knowledge of Web Engineering principles to provide computer based solution to real world problems.

PSO2: **CPL501.1, CPL501.2** are mapped to this PSO2 because the students design and implement the a software system with consideration of Web Engineering Principles.

Rubrics for the Lab Experiments: for First 3 Lab Experiments

Rubrics for WT Lab Experiment 1

Indicator	Poor	Average	Good	Excellent
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Use of At least 30	N.A.	Less than 15 tags	Between 15-30	30 or more tags
tags in Web pages		used (<=2)	tags used. (3-4)	are used with
(5)				their attributes (5)
Level of content	The text is	The typography is	Sometimes the	The typography is
(2)	extremely difficult	difficult to read	typography is	easy-to-read and
	to read due to	and uses too many	easy-to-read, but	point size varies
	inappropriate use	different fonts,	in a few places.	appropriately for
	of fonts, point	overuse of bold,	The use of fonts,	headings and text.
	size, bullets,	bullets,	point size, bullets,	Use of bullets,
	italics, bold, and	italics,capital	italics, bold, and	italics, bold, and
	indentations for	letters or lack of	indentations for	indentations
	headings and sub-	appropriate	headings and	enhances
	headings and body	indentations of	subheadings	readability.
	text.	text.	detract and do not	Consistent format
	(0.5)	(1)	enhance	extends page-to-
			readability.	page.
			(1.5)	(2)
Post Lab	Answered 1	Answered 2	Answered any 3	Answered all 4
Questions (2)	question correctly.	questions	questions	questions
	(0.5)	correctly. (1)	correctly(1.5)	correctly. (2)
Timeline (1)	Not performed on	N.A.	N.A.	Early or on time.
	time (0)			(1

Rubrics for WT Lab Experiment 2

Indicator	Poor	Average	Good	Excellent
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Implementation	N.A.	Only 1 type used	Any 2 types used	All 3 types used
of all types of CSS (4)		(<=2)	(3)	(4)
Attractive Layout (3)	The layout uses horizontal and vertical white space inappropriately and the content appears cluttered. The background, colors and layout make the site unattractive, and it is difficult to read the information presented. (1)	The background, colors and layout	colors and layout are consistent	The layout uses horizontal and vertical white space appropriately. The background, colors and layout are artful and consistent across the website and enhance the readability of the information presented. (3)
Post Lab	N.A.	Answered any 1	Answered any 2	Answered all 3
Questions (2)		question correctly.	questions	questions
		(1)	correctly(1.5)	correctly. (2)
Timeline (1)	Not performed on time (0)	N.A.	N.A.	Early or on time.

Rubrics for WT Lab Experiment 3

habites for the East Experiment 5					
Indicator	Poor	Average	Good	Excellent	
Implementation	Needs Work (0.5)	Partially	Proficient (2)	Advanced (3)	
of event handling		proficient(1)			
(3)					
Client side	Needs Work (1)	Partially	Proficient (3)	Advanced (4)	
validations using		proficient(2)			
Regular					
expressions (4)					
Post Lab	N.A.	N.A.	Answered any 1	Answered both	
Questions (2)			question	questions	
			correctly(1)	correctly. (2)	
Timeline (1)	Not performed on	N.A.	N.A.	Early or on time.	
	time (0)			(1	

Rubrics for WT Mini Project Demonstration

Indicator	Poor	Average	Good	Very Good	Excellent
Knowledge of Static web site development(10M)	N.A.	Usage of html only (3-4)	Usage of html ,CSS(5-6)	Usage of html,css ,javascript (7-8)	Usage of html,css.js,jquery,ajax,jso n,angular (9-10)
Knowledge of web development Tools(5M)	NA	Knowledge of web development tool like netbeans only	Knowlwdge of Web development tools like (eclipse,netbeans, webstorm),email sending API	Knowlwdge of Web development tools like (eclipse,netbe ans,webstorm) ,SMS sending API	Knowlwdge of Web development tools like (eclipse,netbeans,websto rm) plus oracle/postgrese/mysql connectivity from IDE,plusSMS sending API plus Email Sending API
Knowledge of Dynamic web application development(20M) CO3	Incom plete (<10)	Non mvc architecture of web application without JDBC(10-14)	Non MVC architecture plus JDBC(14-15)	Jdbc without MVC but use of Standard action tags (16-18)	MVC with JDBC(18- 20)plus OTP, Email, SMS sending
Requirement Document (10M) CO2,CO1	Unorg anize d(2M)	Functional and non functional Requirement s	Functional and non functional Requirements, plus (h/w and s/w requirements) (5-6)	Functional and non functional Requirements plus(h/w and s/w requirements) plus (Use Case ,Class ,ER Diagrams) (7-8)	Document with IEEE format(9-10) Plus Functional and non functional Requirements plus(h/w and s/w requirements) plus (Use Case ,Class ,ER Diagrams) plus database Queries
Team Work (5M) Maps to CO1 & CO2	No Coord inatio n at all	Many Problems while integrating group members	Very few problems on integration.lack of time management(3M)	Used google drive for integrating project,tasks divided wisely,time	Used git-hub for project integration. Divided Tasks wisely, well presentation, good documentation. could manage time very

(1M)	code,no time	management	well(5M)
	management	good(4M)	
	,uneven		
	distribution		
	of Tasks(2M)		

Rubrics for the Mini Project:

The Mini project that covers design and implementation of a Web application based on Social & commercial theme and some contents beyond syllabus is allotted to the students in groups. The requirements will be announced and discussed in lab and on Moodle. The students' progress on their project will be discussed in the practical session and faculty office.

Evaluation 1: Dates: 27th august to 2nd Sept18 10Marks

Technology	Criteria	Rubrics	Marks
Html	1. Html4 and Html5 tags	 Usage of minimum 30 html tags Content spelling should be correct Content should be relevant to topic 	1
	2. Images	 Image placement should be proper Image should be relevant to the information/content you are displaying 	1
	3. Hyperlinks	 There should be no broken Link Web pages continuity should be maintained 	1
CSS	4. External CSS	 Layout uniformity should be maintained using external CSS 	1
	5. Usage of colour s fonts, margi n ,paddi ng	 Colours, Fonts, padding, margin of the web pages should be accurate 	1
	6. Internal CSS	 Specific pages layout should be changed using internal CSS 	1
Java Script	7. Client side Valida tions	Validating non-empty FieldValidating different Form Fields like	3

		(textfield,passwordField,phonenu mber,email Fields)etc accordingly	
	8. Making websi te intera ctive	 Usage of java script concepts to make web pages interactive 	1
Total			10
Suggestions:			
Mentor Signatures	1	2	3

Evaluation 2: Dates: 17-19 September18 10Marks

Technology	Criteria	Rubrics	Mark	
			S	
Requirement	1. ER diagram	Identifying Entities and attributes	2	
document		appropriately		
	2. Database	CRUD queries	3	
	Queries			
	3. Use case	Identification of use cases with	1	
	diagram for	precondition ,execution ,post execution		
	project			
Features	4. Functional	Login Module	2	
(Project	Requirement 1	Eg.		
Specific)		(signup,login,forgotpassword,change		
. ,		password)		
	5. Functional	E.g.Shopping cart,	2	
	Requirement 2	email sending,		
		sms sending		
Total			10	
Suggestions:				
Mentor	1 2	2 3		
Signatures				

Evaluation 3: Dates: 15-17 October18 10Marks

Technology	Criteria	Rubrics	Marks
Group Work	1. Cooperation	 Students will be judged based on how they cooperate with the team members 	2
	2. Code integration	Student will be judged based on how well heis able integrate code	2
Features	1. Functional Requirement 1	Coupling & cohesion	2
	2. Functional Requirement 2	JDBC with MVC	2
	3. Functional Requirement 3	Etc Etc	2
		•	
Total			10
Suggestions:			
Mentor Signatures	1 2		3

FR. Conceicao Rodrigues College Of Engineering

Father Agnel Ashram, Bandstand, Bandra-west, Mumbai-50

Department of Computer Engineering T.E. (Computer) (semester V)

Web Design Laboratory

(2018-2019)

Sr. No.	Experiment Name	WEEK	DATE	CO Mapping
1	Hyper Text Markup Language(HTML4,HTML5)	WEEK1	16/07/18-	CO1
	1. Resume preparation		21/07/18	
	2. Develop Login Pages			
	3. Develop Registration Form			
2	Cascading Style Sheet(Different Types of CSS)	WEEK2	23/07/18-	CO1
	Style		28/07/18	
	1. Resume,			
	2. Login Page,			
	3. Registration Form			
3	Java script(client side validations and event Handling)	WEEK3	30/07/18 to 11/08/18	CO1
	Validate Registration Form(Regular Expressions)		, ,	
	2. Develop Interactive web Pages using Event Handling			
4	Servlets (Server Side Programming) 1. Servlets LifeCycle, 2. Servlet API Class Hierarchy 3. Develop Login Application using servlet	WEEK4	20/08/18 to 24/08/18	CO2
	4. Develop Login Application such that, if username is "raj" and password is "123" then request is forwarded to "success.jsp" else redirect to "login.html" page			

	<pre>Hints: getParameter(),getRequestDispatcher() and sendRedirect() ,setAttribute() ,getAttribute() functions</pre>			
5.a	Java Server Pages(Scriptlet, declaration, expression, page directive) 1. JSP page Translation Mechanism 2. JSP Life Cycle 3. Write a JSP Program to Increment Counter by one each time client hits the web page 4. Write a JSP program to Display current date 5. Write a JSP program which will have a getDoubleCounter() method incrementing	WEEK5	27/8/18 to 31/8/18	CO2
F L	the counter by 2 each time the page is reloaded	WEEKE		603
5.b	Script free pages(expression Language, Standard actions) 1. Develop script free pages using following JSP standard actions 2. <jsp:include> V.S. <%@ include %> directive 3. <jsp:usebean> 4. <jsp:getproperty> 5. <jsp:setrproperty> 6. <jsp:forward> 7. <jsp:param></jsp:param></jsp:forward></jsp:setrproperty></jsp:getproperty></jsp:usebean></jsp:include>	WEEK5	27/8/18 to 31/8/18	CO2
5.c	Script free pages(expression Language,JSTL) 1. Develop script free JSP pages using Expression Language 2. Develop script free jsp pages using Jsp Standard tag Library)	WEEK5	27/8/18 to 31/8/18	CO2

6	Java Database Connectivity with Model View Controller Architecture 1. Learn design principles cohesion and coupling. 2. Develop a web application which will perform CRUD operation on Customer table using JDBC API 3. Develop web application using Model-View-Controller Architecture Eg. 1. Register Customer 2. Update Customer 3. Delete Customer 4. View Customer 5. View Customers	WEEK6	1/0/19+0	
			1/9/18 to 13/9/18	CO2
7	PHP (Server Side Scripting) Develop Server Side scripting PHP Programs. 1. Use HTML form to accept the two numbers N1 and N2 and using PHP program display only prime numbers in between N1 and N2. 2. Develop a number guessing application.	WEEK7		CO2
			1/9/18 to	
8	Develop sample CD catalog XML application,DTD,XSL Learn difference between XML and JSON	WEEK8	13/9/18 18/9/18 to 29/9/18	CO3
9	Mini Project Preseentation With Software Requirement Specification (Final)	WEEK 9	15/10/18 to 17/10/18	CO4

Mentors:

Sunil Chaudhari: Mahendra Mehra: Ashwini Pansare:

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Department of Computer Engineering S.E. (Computer) (semester V)

(2018-2019)

Lesson Plan : Web Design Lab

Semester III Year: 2018-19

Modes of Content Delivery:

i	Class Room/Lab Teaching	٧	Self Learning Online Resources	lx	Industry Visit
ii	Tutorial	vi	Slides	Х	Group Discussion
iii	Remedial Coaching	vii	Simulations/Demonstrations	хi	Seminar
iv	Lab Experiment	viii	Expert Lecture	xii	Case Study

Sr. No.	Experiment Name	Category	Planned Date	Actual Date	Content Delivery Method/Le arning Activities	No of Hours
1	Hyper Text Markup Language		16/07/18- 21/07/18	16/07/18- 22/07/18	I,IV,V,VI,VII	4
2	Cascading Style Sheet	Static Web site Development	23/07/18- 28/07/18	23/07/18- 28/07/18	I,IV,V,VI, VII	4
3	Java script(client side validations and event Handling)	Maps To CO1	30/07/18 to 11/08/18		I,IV,V,VI, VII	8
4	Servlets(basic,	Dynamic Web Application Development Maps To CO2	20/08/18 to 24/08/18		I,IV,V,VI, VII	4
5	Java Server Pages(Syntax) Script free pages(expression Language, Script free pages(Jsp Standard tag Library)	Dynamic Web Application Development Maps To CO2	27/8/18 to 31/8/18		I,IV,V,VI, VII	4
6	Java Database	Transaction	1/9/18 to		I,IV,V,VI, VII	4

	Connectivity with Model View Controller Architecture	based web Application Development Maps To CO2	13/9/18		
7	php	Dynamic Web Application Development Maps To CO2	1/9/18 to 13/9/18	I,IV,V,VI, VII	4
8	XML.	Knowledge based Maps To CO3	18/9/18 to 29/9/18	I,IV,V,VI, VII	4
	Total Hours			36	

Each Student is expected to invest (46 Hours Hours of Lab + atleast 30 Hours of se Study) for this project.

<u>Text Books/ Reference Books:</u> Head First Html, Head First Java Script, Head First Servlet & JSP Reference Web sites: Study Material On Moddle, headfirst labs.com

First 8 Experiments will have one Quiz each having 20 to 25 Multiple choice Questions.

Term Work consists of 25 Marks(8 Marks for Practical's +4 Marks for Quiz+ 8 Marks for Mini Project + 5 marks for online course(nodejs/react/ angularjs/aws web deployment on web portals like codeschool,udemy,nptel,cloudguru,coursera)

Practical will be conducted based on Mini Project (25 Marks)

Total Web Technology Laboratory Marks=TW +PRACTICAL=25+25=50

Students commitment, attendance, behavior in lab will be considered while giving Term Work

Fr. Conceicao Rodrigues College Of Engineering Bandra,

Web Design Laboratory(CSL504)

Mini Project Project Assessment

	Project Title:						
		Team Members:					
Roll number	Name	Self Assessment Marks (Out Of 8)	Mentor Assessment Marks (Out Of 8)	Signature of Students			

External Signature:

Sr	Feature List:	Yes	No	Who did
No				Implementation
1	Email Sending			
2	Non-Derby Database			
	OTP Generation			
3	Captcha			
4	Forgot password			
5	Reset Password			

6	Password Encryption	
7	Registration	
8	SMS sending	
9	SQL Injection attack prevention	
10	Use of Bootstrap or semantic	
11	File uploading	
12	E R Diagram up to 3 rd Normal Form	
13	Table Queries file	
14	Session Management	
15	Use of Ajax	
16	Use of JQuery	
17	Documentation of Software Requirement	
	Specification	
18	Web Application Screen Shots	
19	How to take database backup automatically	
20	Login with google or Facebook	
21	High Cohesion	
22	Low coupling	
23	Usage of Data Access Object Design pattern	
24	Model View Controller Architecture	
25	Pagination feature For fetching records from	
	database	
26	Script free JSP page development	
	Etc Any Extra Feature Student can add here	
	Etc Any Extra Feature Student can add here	
	Etc Any Extra Feature Student can add here	
	Etc Any Extra Feature Student can add here	

Quiz on HTML Fr. C.R.C.E. Bandra. Sem V(Computer) Web Design Lab Year 2018-19

- 1. How to define the link should open in new page in HTML?
 - a. Click Here
 - b. Click Here
 - c. Click Here
 - d. Click Here
- 2. In HTML, Uniform Resource Identifier (URI) is used to
 - a. To create a frame document.
 - b. To create a image map in the webpage.
 - c. To customize the image in the webpage.
 - d. To identify a name or a resource on the internet.
- 3. Which HTML tag would be used to display power in expression (A+B)²
 - a. <SUP>
 - b. <SUB>
 - c.
 - d. < P >
- 4. Which of the following is an attribute of <Table> tag?
 - a. SRC
 - b. LINK
 - c. CELLPADDING
 - d. CAPTION
- 5. What is the correct HTML for making a hyperlink?
 - a. ICT Trends Quiz
 - b. ICT Trends Quiz
 - c. <http://mcq.com
 - d. ICT Trends Quiz
- 6. What does vlink attribute mean?
 - a. visited link
 - b. virtual link
 - c. very good link
 - d. active link
- 7. To create a combo box (drop down box) which tag will you use?
 - a. <select>
 - b. < list>

	. <input type="dropdown"/> . all of above
8. Choos	e the correct HTML tag for the smallest size heading?
	. <heading></heading>
b	. <h6></h6>
	. <h1></h1>
d	. <head></head>
9.There a	are different of heading tags in HTML
	. 4
b	. 5
c.	. 6
d	. 7
10. Whic	th tag inserts a line horizontally on your web page?
	. <hr/>
b	. <line></line>
c.	. direction="horizontal">
d	
11.Whicl	h element is a inline element?
A	a. strong element
	s. span element
C	div element
D	O. All of the above
12.What	is default port number for HTTP protocol?
	. 3128
b	. 8080
c.	. 80
d	. 8084
13. Who	invented World Wide Web (WWW) and HTML?
	. Blaise Pascal
b	. Charles Babbage
	. Herman Hollerith
d	. Tim Berners-Lee
14. Com	ments in html document is given by:
	.
	. !
	.

d.
15. How to set a picture as a background web page? a. <body background="bgimage.gif"> b. <body -image="bgimage.gif" background=""> c. <background= "bgimage.gif"=""> d. <background image="bgimage.gif"></background></background=></body></body>
16. Which of the following is the correct regarding meta tag in HTML? A. <meta/> B. <meta name=" "/> C. <metadata> </metadata> D. <metadata name=" "></metadata>
17. Which element is a block-level element? A. div element B. span element C. strong element D. All of the above
18. What does an HTML tag do?a. It specifies formatting and layout instructions for your web page.b. It hides programming instructions from view.c. It determines the organizational structure of your Web site.d. It connects your web site to an operating environment.
19. The attribute adds space within each cell. a. CELLSPACING b. CELLPADDING c. WIDTH d. ALIGN
20. An ordered list is a list and an unordered list is a list. a. bulleted & numbered b. bulleted & tabular c. tabular & numbered d. numbered & bulleted
21. If you wanted to create text that was a different color or font than other text in your Web page what type of tag would you use? a. Layout b. Basic formatting

c. Design
d. Outline
 22. When creating a Web document, what format is used to express an image's height and width? a. Centimeters b. Pixels c. Dots per inch d. Inches
23. What should be the first and last pair of tags in your Web document? a. and and

D. Size

CSS QUIZ Web Design Lab Vth sem Computer Fr.C.R.C.E. Bandra. Year 2018-19

 Which of the following are the advantages of CSS? i) CSS saves time ii) Page load faster iii) Easy maintenance iv) Multiple compatibility A) i, ii and iii only B) ii, iii and iv only C) i, ii and iv only D) All i, ii, iii and iv
 2. A CSS style rule is made up of three parts which are i) Selector ii) Property iii) Value iv) Attribute A) i, ii and iii only B) ii, iii and iv only C) i, ii and iv only D) All i, ii, iii and iv
 3. Which is not the selector type of CSS? A) Type selector B) Universal selector C) Local selector D) Descendant selector
4. The correct example of class selector is . A) h2.type1 {color: #000000;} B) h2 type1 {color: #000000;} C) h2 #type1 {color: #000000;} D) #h2 type1 {color: #000000;}
5. CSS comments are inserted inside . A) //// B) C) /**/ D) All of the above
6. We can handle old browsers by placing CSS codes inside.

A) //.....//

B) C) /**/ D) None of the above
7. State whether True or False. i) Any inline style sheet takes highest priority. ii) Any rule defined in <style></style> tag will override rules defined in any external style sheet file.
A) i-True, ii-False B) i-False, ii-True C) i-True, ii-True D) i-False, ii-False
8. Which is the correct CSS syntax?
A) body:color=black;B) {body:color=black;}C) body {color: black;}D) {body;color:black;}
9. Which of the following is / are the measurement units in CSS? i) % ii) cm iii) em iv) pc v) px
A) i, ii, iii and iv only B) i, ii, iii and v only C) i, ii, iv and v only D) All i, ii, iii, iv and v
10. The possible formats of CSS colors are. i) Hex code - #RRGGBB ii) Short Hex Code - #RGB iii) RGB% - rgb(rrr%, ggg%, bbb%) iv) Keyword - teal, blue, black
A) i, ii and iv only B) ii, iii and iv only C) i, iii and iv only D) All i, ii, iii and iv
11. Which of the following are the background properties in CSS? i) background-color ii) background-image iii) background-repeat iv) background-position v) background

A) i, ii, iii and iv only B) i, ii, iii and v only C) i, ii, iv and v only D) All i, ii, iii, iv and v
12. State whether the statement is/are True.
) font-family property is used to change the face of a font. i) font-variant property is used to create small-caps effects.
A) i-True, ii-False B) i-False, ii-True C) i-True, ii-True D) i-False, ii-False
A): link, :visited, :hover, :active B): link, :visit, :hover, :active C): link, :visited, :over, :active D): link, :visited, :hover, :active, :inactive
4. Internet Explorer uses property to create transparent images.
A) -moz-opacity:xB) filter: alpha(opacity=x)C) Both of the aboveD) None of the above
 15. The different ways to associate styles with a HTML document is/are A) Embedded CSS with <style> element B) Inline CSS with style attribute. C) External CSS with element. D) All of the above </td></tr><tr><td>A) </td></tr><tr><td>17. State True of False for the CSS table properties.</td></tr></tbody></table></style>

	ii) The empty-cells specifies whether the border should be shown if a cell is empty.
	A) i-True, ii-False
	B) i-False, ii-True
	C) i-True, ii-True
	D) i-False, ii-False
18. In values	CSS tables, the possible values for the caption-side property can have the following .
	A) top, bottom, left or right
	B) top, bottom, center, left or right
	C) top or bottom
	D) left or right
19. Th	be property indicates whether a cell without any content should have a border yed.
	A) blank-cells
	B) empty-cells
	C) nocontent-cells
	D) noborder-cells
	e specifies whether a border should be solid, dashed line, doted line, double roove etc.
	A) border-layout
	B) border-decoration
	C) border-style
	D) border-weight
****	*****************************TheEnd************************

i) The border-spacing specifies the width that should appear between table rows.

JavaScript QUIZ Web Design Lab Vth sem Computer Fr.C.R.C.E. Bandra. Year 2018-19

Q1.JavaScript is a typed language. a) tightly b) loosely
Q2.What is the output of following JavaScript code?
<pre><script type="text/javascript"> x=4+"4"; document.write(x); </script> a) 44 b) 8 c) 4 d) Error output</pre>
Q3.Math. round(-20.51) = ? a) 20 b) -21 c) 19 d) None

Q4. Which of these comment lines are used in JavaScript?

- (1) //, /* **/ (2) /, /**/, /* (3) /*.....*/, // (4) *.....*, // a) Only (4)
- a) Only (4)b) Only (3)
- c) Either (3) or (4)
- d) Only (2)

Q5. Who invented the JavaScript programming language?
a) Tennis Ritchie
b) James Gosling
c) Brendan Eich
Q6 method returns the number of milliseconds in a date string.
a) setHours()
b) setMinutes()
c) parse()
Q7. What are the following looping structures are available in JavaScript?
a) for, foreach
b) foreach, whileloop
c) do-while loop, foreach
d) for, while loop
Q8. What will be the output of following JavaScript code snippter?
<pre><script type="text/javascript"></pre></td></tr><tr><td>var s = "9123456 or 80000?";</td></tr><tr><td>var pattern = $/d\{4\}/$;</td></tr><tr><td>var output = s.match(pattern);</td></tr><tr><td>document.write(output);</td></tr><tr><td></script></pre>
•
a) 9123
b) 91234
c) 80000
d) None of the above
Q9 method is used to remove focus from the specified object.
a) blur()
b) focus()
c) None
Q10. What will be the output of following JavaScript code snippter?
<script type="text/javascript"></td></tr><tr><td>var cst = "PHPKB Knowledge Base Software";</td></tr><tr><td>var result =$cst.substring(7,8)$;</td></tr><tr><td>document.write(result);</td></tr><tr><td></script>
a) PHPKB Kn
b) Kn

c) ow d) n