

Subject Name: Web Technologies
Subject Code: IT 255

Semester: 4
A.Y. 2021-22

Course Outcome (COs):

- CO1** Student should able to understand the tools and technologies to design & develop static and dynamic web pages/apps
- CO2** Students Should able to build creative UI design for responsive/device independent web pages
- CO3** Students Should able to select appropriate hosting environment
- CO4** Students Should able to understand and apply concepts of web security through session and cookies
- CO5** Students Should able to design, develop and deploy multi-tier web applications

Practical List

Part – 1

Sr No	Practical	Hours Required	Cos																					
1	Implement following HTML 4 Tags along with necessary attributes: HTML 4 Structure Tags, Heading Tags, Paragraphs, Text Formatting Tags, Link and List Tags, Image, Form, Table, Iframe, Div.	2	1,2																					
2	<div>1. Create following layouts using Div Tag</div> <table><tr><th colspan="3">Web Designing Course</th></tr><tr><td>Course Content</td><td colspan="2" rowspan="5">Welcome to the course on Web Designing using HTML and CSS.....</td></tr><tr><td><u>Week 1</u></td></tr><tr><td><u>Week 2</u></td></tr><tr><td><u>Week 3</u></td></tr><tr><td><u>Week 4</u></td></tr></table> <div>Online Course: Create Responsive Website using Bootstrap</div> <table><tr><td>Course Content</td><td rowspan="5">Welcome to the course on Create a Responsive Website using Bootstrap</td><td>Other Related Courses</td></tr><tr><td><u>Week 1</u></td><td><u>Learn JavaScript</u></td></tr><tr><td><u>Week 2</u></td><td><u>Learn Bootstrap</u></td></tr><tr><td><u>Week 3</u></td><td><u>Learn JQuery</u></td></tr><tr><td><u>Week 4</u></td><td><u>Learn Animation</u></td></tr></table> <div>copyright@onlinecourse.com</div>	Web Designing Course			Course Content	Welcome to the course on Web Designing using HTML and CSS.....		<u>Week 1</u>	<u>Week 2</u>	<u>Week 3</u>	<u>Week 4</u>	Course Content	Welcome to the course on Create a Responsive Website using Bootstrap	Other Related Courses	<u>Week 1</u>	<u>Learn JavaScript</u>	<u>Week 2</u>	<u>Learn Bootstrap</u>	<u>Week 3</u>	<u>Learn JQuery</u>	<u>Week 4</u>	<u>Learn Animation</u>	2	1,2
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3	Create a Student Course Registration form using textbox, checkbox, radio button, select box as well as use internal css to give style to your page.	2	1,2,3																					

Part – 2

Sr No	Practical	Hours Required	Cos
1	Implement following properties of CSS 2.0. 1. Background, Font and Text 2. Margin, Padding and Border (Box Model) 3. Table 4. Display 5. Position 6. Floating 7. Pseudo elements	2	2,3
2	Create a Web Page of your Institute which contains: Description of Branch, Description of Courses, Department, Faculties using HTML and CSS Tags	2	2,3
3	Create and design your class timetable using table and apply css properties	2	2,3
4	Create your Portfolio using HTML and CSS Tags	2	1,2,3

Part – 3

Sr No	Practical	Hours Required	Cos
1	Demonstrate the use of JavaScript Popup boxes. Alert, Prompt, Confirm	2	1,2,3
2	Create JavaScript function for basic arithmetic operations (Addition, Subtraction, Multiplication and Division). Create proper design layout which asks two numbers to enter from user and display result of respective operation on clicking respective button.	2	2,3
3	Demonstrate the JavaScript function for different events. Input Events Click Events Mouse Events	4	2,3
4	Create following JavaScript which asks two numbers from user using prompt box. a. Find maximum or minimum value. b. Find even or odd number. c. Find prime number.	2	4,5
5	Create HTML form for any registration details with all necessary controls. Write a JavaScript which retrieve all possible value from controls and display on webpage. Use some style rules to format output.	4	4,5
6	Create JavaScript for form Validation for following tasks a. Text box must have required value. b. Textbox must accept only letters. c. Textbox must accept only numbers. d. Textbox must contain character in the range of 6-12. e. Compare entered password and confirmed password. f. Check whether radio button, checkbox or dropdown box has selected or not. g. Email validation. h. Mobile number validation. Design proper HTML form and perform all above task.	6	3,4,5

Part – 4

Sr No	Practical	Hours Required	Cos
1	Implement following jQuery Events <ul style="list-style-type: none">• click()• dblclick()• mouseenter()• mouseleave()• mouseup()• mousedown()• hover()• focus()• blur()	2	3,4,5
2	Implement following task using jQuery <ul style="list-style-type: none">• Sliding page elements• Hiding and showing elements• Fading Elements• Toggling Elements• Stopping Elements	2	3,4,5
3	Create a division and move it to all the direction using jQuery animation	4	3,4,5
4	Create Animated Login and Registration Page using jQuery	6	4,5

Part – 5

Sr No	Practical	Hours Required	Cos
1	Create a Website using Bootstrap	12	1,2,3,4,5