**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

FACULTY OF TECHNOLOGY AND ENGINEERING

**Devang Patel Institute of Advance Technology & Research**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**CE247 Web Technologies**

**Semester:** IV

**Academic Year :** 2019-20

**PRACTICAL LIST**

# Part–1 ( HTML 4.01 )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.No.** | **Practical** | **Date** | **Page No.** | **Remark** |
| **1.** | Study following HTML4.01 tags along with necessary attributes: Doctype and Basic structure tags, Heading tags, Meta tags, Paragraphs,  Text Formatting tags, Link tags, List tag, Image, Table, Form, Iframe, HTML Encode |  |  |  |
| **2.** | Create Personal Home page using all above HTML tags. Create layout of web page using div tag. |  |  |  |

# Part–2 ( HTML 5 )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Practical** | **Date** | **Page No.** | **Remark** |
| **1.** | Study and Implement new tags which are added into HTML5 along with required attributes. |  |  |  |
| **2.** | Create registration form for social networking website using HTML5 form tag and attributes. Apply necessary validation using  HTML5 pattern attributes which Specifies a regular expression to check th input value against. |  |  |  |
| **3.** | Create different graphics using HTML CANVAS. Apply required properties and methods. |  |  |  |
| **4.** | Study HTML5 APIs. |  |  |  |

# Part–3 ( CSS2.0 )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Practical** | **Date** | **Page No.** | **Remark** |
| **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.** | Create Cascading menu using CSS2.0. |  |  |  |
| **3.** | Create an overlay div with CSS2.0 |  |  |  |

# Part–4 ( CSS3.0 )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Practical** | **Date** | **Page No.** | **Remark** |
| **1.** | Implement Back grounds and Borders properties using CSS 3.0 |  |  |  |
| **2.** | Implement Text Effects properties using CSS 3.0 |  |  |  |
| **3.** | Implement 2Dand 3D Transform properties using CSS 3.0 |  |  |  |
| **4.** | Implement Animations properties using CSS 3.0 |  |  |  |
| **5.** | Implement Multiple Column Layout properties using CSS 3.0 |  |  |  |
| **6.** | Implement User Interface properties using CSS 3.0 |  |  |  |
| **7.** | Refer Practical 2 and apply flexible layout to your page. |  |  |  |

# Part–5 ( Java Scripts & DOM )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Practical** | **Date** | **Page No.** | **Remark** |
| **1.** | 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.** | Create HTML form like any registration form with all necessary controls. Write a JavaScript which retrieve possible value from all controls and display on webpage. Use some style rules to format |  |  |  |
| **3.** | Create JavaScript for form Validation for following tasks   1. Text box must have required value. 2. Textbox must accept only letters. 3. Textbox must accept only numbers. 4. Textbox must contain character in the range of 6-12. 5. Compare entered password and confirmed password. 6. Check whether radio button, check box or dropdown box has selected or not. 7. Email validation. 8. Mobile number validation.   Design proper HTML form and perform all above task. |  |  |  |
| **4.** | Create Dynamic table using DOM which perform following tasks:   * Add new Row and Column * Delete Row and cell. |  |  |  |

# Part–6 ( BASICJQUERY )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Practical** | **Date** | **Page No.** | **Remark** |
| **1.** | Implement following tasks using jQuery:   * Sliding page elements * Hiding and Showing elements * Fading elements * Toggling elements * Stopping Effects |  |  |  |
| **2.** | Create Animated Login form. |  |  |  |

# Part–7 ( BASICJ PHP )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Practical** | **Date** | **Page No.** | **Remark** |
| **1.** | Installation and configuration of WAMP/XAMPP |  |  |  |
| **2.** | Study and demonstrate php syntax, data type, variable, function, array, super global variable and form. |  |  |  |
| **3.** | Study and demonstrate MySQL connection and CRUID operations with php. |  |  |  |

**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF TECHNOLOGY & ENGINEERING**

**DEVANG PATEL INSTITUTE OF ADVANCED TECHNOLOGY AND RESEARCH**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

|  |  |
| --- | --- |
| **Subject Name & Code : CE247 Web Technologies** | **Semester: IV** |

**Course Outcomes:**

Upon completion of this course, students will be able to do the following:

* Students will able to develop static and dynamic website and web base applications.
* Students will use knowledge of the subject in higher semester for subjects like Advance Java Technology and .Net Web technology and also for Project development.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.no** | **Practical Name** | **Co1** | **Co2** |
| 1 | Part 1: HTML 4.0 | **√** |  |
| 2 | Part 2: HTML 5.0 | **√** | **√** |
| 3 | Part 3: CSS 2.0 | **√** |  |
| 4 | Part 4: CSS 3.0 | **√** | **√** |
| 5 | Part 5: JavaScript &  DOM | **√** | **√** |
| 6 | Part 6: Basic jQuery | **√** | **√** |
| 7 | Part 7: Basic PHP | **√** | **√** |