A screenshot of a cell phone

Description generated with very high confidence

**Course Plan**

|  |  |
| --- | --- |
| **Department :** | Data Science and Computer Applications |
| **Course Name & code :** | Web Technologies Lab & DSE |
| **Semester & branch :** | V & BE DSE |
| **Name of the faculty :** | Tojo Thomas and Akshay Bhat |
| **No of contact hours/week:** | |  |  |  |  | | --- | --- | --- | --- | | **L** | **T** | **P** | **C** | | Lecture(L) | 1 | 3 | 2 | |

**Course Outcomes (COs)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***At the end of this course, the student should be able to:*** | **No. of Contact Hours** | **Marks** |
| CO1: | Implement html to create web pages | Hrs. | Marks |
| CO2: | Demonstrate usage of CSS in front-end designing | Hrs. | Marks |
| CO3: | Apply client-side techniques for user interactivity with the web page | Hrs. | Marks |
| CO4: | Develop data driven application for wide range of real time problems | Hrs. | Marks |
| CO5: | Click or tap here to enter text. | Hrs. | Marks |
|  | **Total** |  |  |

**Assessment Plan**

|  |  |
| --- | --- |
| 1. **Continuous Evaluation** | 60% |
| Lab test :One test of 15 marks and mini project evaluationof 15 marks (Max. Marks: 30) Regular Evaluation : One evaluation of 10 marks (Max. Marks: 10) Viva-Voce : Two Viva-Voce 10 marks each (Max. Marks: 20) | |
| 1. **Lab Examination** | 40% |
| * Examination of 3 hours duration (Max. Marks: 40) | |

**Lesson Plan**

|  |  |  |
| --- | --- | --- |
| **L. No.** | **Topics** | **Course Outcome Addressed** |
| **L1** | Introduction to HTML and Review and discussion of lab expectations | CO1 |
| **L2** | 1. Test various HTML commands and tags and also write an HTML document to display your class Time Table using tables. 2. Write a HTML document to display your resume in a neat format. 3. Create a HTML document to display the details of “W3C”. The initial section of   the page should brief on “About W3C”. This should be followed by the table of   content as hyperlink, referring to the respective section in the same page. Also   link to the “SirTimberners.html” to get in more insight about Sir. Tim Berners Lee. | CO1 |
| **L3** | 4. Create a web form to depict the given Passport application for by Ministry of   External Affairs , Govt. of India. | CO1 |
| **L4** | 5. Create the following web pages for your photo magazine website:  a. From the home user should be able to navigate to the photo gallery page.   The photo gallery page must exhibit responsive features for larger device   visual (width: 992px and above), medium range devices( width ranging   from 768px to 991 ) and for lower range device ( width: 767 and below) | CO2 |
| **L5** | 6. Write a HTML document to depict a lunar eclipse using CSS animation and   various logo’s of organizations and news channels. 7. Write a HTML document to display an animated solar system using CSS. 8. Write a HTML document to display a wild flower using CSS animation. | CO2 |
| **L6** | 9. Create a web page with the content about various boxes supported in JavaScript.  10. Write a JavaScript to create a new browser window and display some text in that   window. Put the script into a suitable HTML page and test it.  11. Write CSS script to implement a guess number with five tries | CO3 |
| **L7** | 12. Create a web page with content on cookies which stores the name of the user,   date of last access in a cookie. On load of the web page display a welcome   message.  13. Write a web page which displays a digital clock, using the JavaScript timeout event.  14. Write a web page to display mouse co-ordinates on mouse move over the canvas.  15. Write a web page document for free hand drawing using Canvas | CO3 |
| **L8** | 16. Create a step-by-step wizard to get the following user details for the “Best   JOBs” website: Use DOM and other credentials   OR   Discuss progress of Synopsis and Initial design of your respective mini projects . | CO2, CO3 |
| **L9** | 17. Write a PHP page to upload user resume in pdf format to the website. 18. Write a PHP page to store current date-time in a COOKIE and display the ‘Last   visited on’ date-time on the web page upon reopening of the same page.  19. Write a PHP page to store page views count in SESSION, to increment the count   on each refresh, and to show the count on web page. 20. Write a PHP page to read the employee details in a JSON format and display it   in a tabular format. 21. Write a PHP page to search an employee detail and display it by sending an   asynchronous request to the server. | CO4 |
| **L10** | 22.Mini Project evaluation using their SRS and Design provided. | CO4 |
| **L11** | 23. Final demo of mini project to check their output and team work. | CO4 |
| **L12** | Click or tap here to enter text. | CO |
| **L13** | Click or tap here to enter text. | CO |
| **L14** | Click or tap here to enter text. | CO |

**References:**

|  |  |
| --- | --- |
| 1. | 1. Randy Connolly, Ricardo Hoar, Fundamentals of Web Development, 1st Edition, Pearson Education India, 2015. |
| 2. | 2. Luke Welling, Laura Thomson, PHP and MySQL Web Development, 5th Edition, Pearson Education, 2016. |
| 3. | 3. Nicholas C Zakas, “Professional JavaScript for Web Developers”, 3rd Edition, Wrox/Wiley India, 2012. |
| 4. | 4. John Kocer, “Angular 7: By Example (Part One Book 1)”, 2019. |
| 5. | Click or tap here to enter text. |
| 6. | Click or tap here to enter text. |
| 7. | Click or tap here to enter text. |

|  |  |
| --- | --- |
| **Submitted by:** | Tojo Thomas |

**(Signature of the faculty)**

|  |  |
| --- | --- |
| **Date:** | Click or tap to enter a date. |

|  |  |
| --- | --- |
| **Approved by:** | Click or tap here to enter text. |

**(Signature of HOD)**

|  |  |
| --- | --- |
| **Date:** | Click or tap to enter a date. |

**Faculty members teaching the course (IF MULTIPLE sections EXIST):**

|  |  |  |  |
| --- | --- | --- | --- |
| **FACULTY** | **Section** | **FACULTY** | **Section** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**\*\*\*\*\*\*\*\*\***