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| Course Code:  CSE2259 | Course Title: Web Technologies Lab  Type of Course: Program core  lab course | | L-T- P- C | 0 | 0 | 2 | 1 |
| Version No. |  | 1.0 | | | | | |
| Course Pre- requisites |  | Database Management Systems-CSE1510 | | | | | |
| Anti-requisites |  | NIL | | | | | |
| Course Description |  | This course highlights the comprehensive introduction to scripting languages that are used for creating web-based applications.  The associated laboratory provides an opportunity to implement the concepts and enhance critical thinking and analytical skills. | | | | | |
| Course Objective |  | The objective of the course is to familiarize the learners with the concepts of Web Technology and attain Skill Development through Experiential Learning techniques. | | | | | |
| Course Outcomes |  | On successful completion of this course the students shall be able to:  CO1: Implement web-based application using client-side scripting languages.  (Apply )  CO2: Apply various constructs to enhance the appearance of a website. (Apply)  CO3: Apply server-side scripting languages to develop a web page linked to a database.  (Apply) | | | | | |
| Course Content: |  |  | | | | | |
| List of Laboratory Tasks:    Experiment No. 1: Demonstration of XHTML features    Level 1: Demonstration of various XHTML Tags (Level 1)  Level 2: Design and develop static web pages for an online Book store (Level 2).  Experiment No. 2: Application of CSS in web designing  Level 1: Design a document using XHTML and CSS to create a catalog of items for online electronic shopping.  Level 2: Create and save XML document for students’ information and display the same using cascaded style sheet.  Experiment No. 3: Application of PHP in web designing.  Level 1: Write a PHP program to read the personal information of a person such as first name, last name, age, permanent address, and pin code entered by the user into a table created in MySQL. Read the same information from the database and display it on the front end.  Level 2: Using PHP develop a web page that accepts book information such as ISBN number, title, authors, edition, and publisher and store information submitted through the web page in MySQL database.  Experiment No. 4: Building a website.  Build a website for organizing an International Conference. The conference website must be able to collect the author’s details and upload a file. | | | | | | | |
| Targeted Application & Tools that can be used: Xampp web server to be used to demonstrate PHP. | | | | | | | |
| Project work/Assignment: | | | | | | | |
| Assignments are given after completion of each module which the student need to submit within the stipulated deadline. | | | | | | | |
| Textbook(s):    Robert. W. Sebesta, "Programming the World Wide Web", Pearson Education, 9th Edition, 2016.      2]Paul Deitel, Harvey Deitel, Abbey Deital,"Internet & World Wide Web How to Program", Fifth Edition, Pearson Education, 2021.  3]CSS Notes for Professionals, ebook available at https://books.goalkicker.com/CSSBook/ (Retrieved on Jan. 20, 2022)  4]Deitel, Deitel, Goldberg,"Internet & World Wide Web How to Program", Fifth Edition, Pearson  Education, 2021. | | | | | | | |
| Reference Book(s):    R1.  Randy Connolly, Ricardo Hoar,"Fundamentals of Web Development”, Pearson Education India,            1st. Edition.2016.      R2. Jeffrey C. Jackson,"Web Technologies: A Computer Science Perspective", Pearson Education, 1st          Edition,2016.    Additional web-based resources  W1. W3schools.com  W2. Developer.mozilla.org/en-US/docs/Learn  W3. docs.microsoft.com  W4. informit.com/articles/ The Relationship Between Web 2.0 and Social Networking  <https://presiuniv.knimbus.com/user#/home> | | | | | | | |
| Topics related to development of “FOUNDATION”:  Web, WWW, Web browsers, Web servers, Internet.  CSS, PHP.  Designing the website for healthcare. | | | | | | | |
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