

## Subject: Internet Programming

### Assignments

#### Assignment 1

DOA: 22/07/2019

DOS: 19/08/2019

Q.1) Create a HTML form that accepts first name, last name, department and designation from user. Create a PHP code that stores this information in a mysql] database named employee with an existing table emp\_details having appropriate schema and acknowledges the user through appropriate message about success or failure during data insertion. Assume suitable user name and password to access database.

Q.2) Write an external stylesheet and link it with HTML code. The stylesheet should include the following

- i. The web page will have the background image “img1.jpg”.
- ii. The table headings will have red background color.
- iii. Background color of alternate paragraphs are different.
- iv. The hyperlinks on the web page will not have underline

Q.3) Write code to process online Alumni information for your college. Create forms to get name, address, date of birth, and email id. Use check boxes for taking hobbies and radio buttons for selecting branch. Write JavaScript code to validate the following:

- i. User has filled all the fields prior to form submission
- ii. Valid email-id (with ‘@’ and ‘.’)
- iii. Age validation using DOB ( $\geq 22$  years)

Q.4) Explain “Window” object of JavaScript DOM. Write JavaScript code to change background colour of the web page automatically after every five seconds.

Q.5) Draw and illustrate 3-tier Web Architecture.

#### Assignment 2

DOA: 19/08/2019

DOS: 09/09/2019

Q.1) Explain Geo Location API with example usage. Explain Geo-location and media query with an example in HTML5 and CSS3.

Q.2) Explain how session management is done in PHP. Clearly explain how to create, access, modify session variables in PHP.

Q.3) Explain with proper syntax and example how to use different types of CSS selectors.

Q.4) Explain various elements in HTML5.

Q.5) Write HTML5 code for embedding the audio and video elements in the web page.

Q.6) Explain the role of a cookie and differentiate it from sessions. Write a PHP script to check whether the cookie is set or not.

Q.7) Explain string functions in PHP.

### **Assignment 3**

**DOA: 09/09/2019**

**DOS: 30/09/2019**

Q.1) What are the characteristics of Rich Internet Application?

Q.2) Draw the diagram for AJAX Web application model and Traditional Web application model and compare them.

Q.3) Design a web page to maintain a Library Catalogue using XML. It should maintain the name of the book, author, publisher, and year of publishing. Format it in the tabular manner using XSLT.

Q.4) Explain in detail JSON mash ups with neat diagram.

Q.5) What are benefits of using JSON over XML data. Create a XML page storing name, country, runs scored, balls faced for three batsman. Represent same data as JSON object.

Q.6) Draw the diagram for AJAX Web application model and Traditional Web application model and compare them.

### **Assignment 4**

**DOA: 30/09/2019**

**DOS: 21/10/2019**

Q.1) Explain UDDI.

Q.2) Explain the features and applications of Django.

Q.3) Differentiate between REST and SOAP.

Q.4) Explain various cross browser compatibility issues.