School of Computing Science and Engineering (SCSE)
B.Tech(CSE)- Winter- 2013
Course: CSE308 – Internet and Web Programming (IWP) LAB

Instructions to the Students:

➢Use the e following concepts to complete the problems
• Hypertext Markup Language 5 (HTML)
• Cascading Style Sheet 3 (CSS)
• Java Script

II. JavaScript

Activity1: JavaScript Basics

Design a page using JavaScript to Welcome the user with the date (yyyy/mm/dd) and greet the user according to time in a popup box. Use colors, image or quote (any one) on the background page.
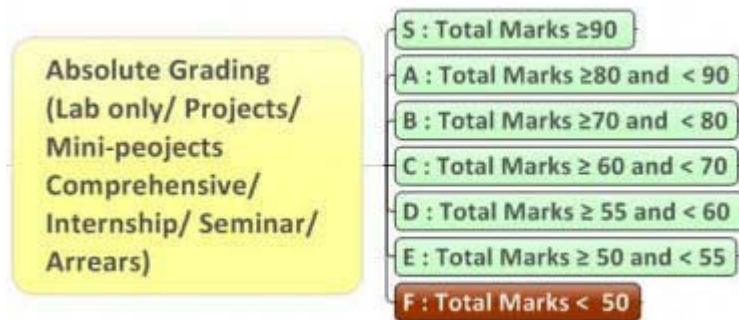
Activity 2: String Handling

Design a form to accept a sentence and perform the following using JavaScript. Add your name at the last, Reverse the sentence and find no of occurrences of each word.

Activity 3: JavaScript Math

Write a script to perform all the basic arithmetic operations with an appropriate design of a calculator.

Activity4: Function in JavaScript
Write a script that contains a function which has mark as a parameter and display a grade with pass or fail condition. Demonstrate the functions by printing out the grade and pass/fail status for n students. The grade should be calculated based on the following

Absolute Grading
(Lab only/ Projects/
Mini-peojects
Comprehensive/
Internship/ Seminar/
Arrears)

S : Total Marks ≥90
A : Total Marks ≥80 and < 90
B : Total Marks ≥70 and < 80
C : Total Marks ≥ 60 and < 70
D : Total Marks ≥ 55 and < 60
E : Total Marks ≥ 50 and < 55
F : Total Marks < 50

Activity 5: JavaScript time
Create a web page containing a digital clock (dynamic) at the right bottom corner. The clock should be in the 24 hour format (20:15:37) and apply CSS to create border and background color the clock.

Activity 6: JavaScript Validation
Design a Passport application form and validate all fields, apply regular expression in the required fields.

Activity 7: Cookie and Dialog Box
Create a page that prompts the user for his or her name as the page loads (via dialog box) and then welcome the user by name in the current and subsequent pages as he/she visits. And display visitor count using dialog box.