Course Code	:	MCSL-016
Course Title	:	Internet Concepts and Web Design (Lab Course)
Assignment Number	:	BCA(IV)/L-016/Assignment/2024-25
Maximum Marks	:	100
Weightage	:	25%
Last Dates for Submission	:	31ˢᵗ October, 2024 (For July Session)
		30ᵗʰ April, 2025 (For January Session)

There are two questions in this assignment carrying a total of 80 marks. Rest 20 marks are for viva voce. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the Programme Guide for the format of the presentation. Submit the screenshots along with the coding and documentation.

Question 1:   **(70 Marks)**

A University maintains a website to display the programme wise list of students who were successful in its entrance examination and are eligible for admission. The website displays a list of programmes and for each programme a list of successful students. In addition, it also displays two forms – the first form allows student to register for the programme and second form is a feedback form about the website. Design and create four web pages for the e-Commerce company namely, *Home*, *Programmewise_student_list*, *Student_Registration* Form and *Feedback* form, having the following features:

For consistency, every webpage of website should consist of three basic divisions –

Heading –   This division should be the same for all four web pages and should display the name and logo of the University. This division should have different background colour.

Menu   - This division should be the same for every web page. It should contain links to all the web pages, viz. *Home*, *Programmewise_student_list*, *Student_Registration* Form and *Feedback* form.

Content - This division should display the basic information, as given below. The web pages that you are designing should differ in this Division only.

The Content division of the different pages should be as under:

- The *Home* page should include a message from the Head of the University, welcoming all the successful students to the University.

- The *Programmewise_student_list* page should display information about all the Programmes of the University and under each programme it should display the list of successful students. You should display this information by using multi-level lists.

- The *Student_Registration* page should contain a form, which should have fields – Name of the Student, Programme, and Serial Number in the List. You should write JavaScript code to verify that all the fields are filled with some data. This code should be run when the Submit button is pressed.

- The *Feedback* page should display another form that has two input fields – The name of the student and a text area for giving the feedback. This form should have a Submit button.

Question 2: **(10 Marks)**

What are the advantages of using external style sheet along with an HTML web page? Explain with the help of an example. List the advantages of using Python for web development.