

# 0944 -DIPLOMA IN INFORMATION TECHNOLOGY & ENGINEERING

## SEMESTER -I

### 094461 WEB DESIGNING

#### RATIONALE

The course will enable the students to understand the basics of internet and various applications of internet such as e-mail, FTP, telnet, newsgroups and video conferencing. The students will also be introduced to upcoming technologies such as WAP, Voice Over Internet Protocol (VOIP) This course develops competency amongst the students to design professional web sites and interactive web pages. They will have overview of different technologies like of HTML, DHTML, ASP, Java scripts, VB scripts.

**NOTE:** *Since this subject is practice-oriented, theoretical instructions may be given during the practical sessions/class. The detailed contents have been given to have an idea about the exercises to be done in practical class.*

#### DETAILED CONTENTS

##### 1. Internet Basics

Introduction to internet and its applications, E-mail, telnet, FTP, e-commerce, video conferencing, e-business. Internet service providers, domain name server, internet address

##### 2. World Wide Web (WWW)

World Wide Web and its evolution, uniform resource locator (URL), browsers – internet explorer, nets cape navigator etc. search engine, web saver – apache, proxy server, HTTP protocols

##### 3. Web Designing Technologies

Introduction to HTML, ASP, JSP, Java scripts, VB scripts, HTML/DHTML – file creation, HTML tags, titles footers, text formatting, forms, images, lists, tables, linking documents, front page editing, frame sets, order list, unorderedlist, special characters

##### 4. Java Script

Introduction to Java script, writing java script into HTML

##### 5. Building of Java Script Syntax

Data types of variables, arrays, operators, expressions, programming construct of conditional checking, loop ends functions, dialogue boxes.

##### 6. Java Script Document Object Model

Understanding objects in HTML – properties and methods, browsers objects, understanding DOM, web page events

##### 7. Forms Used by a Website

Forms objects, user defined object.

## LIST OF PRACTICALS

1. Design Web page Using HTML
2. Design Table such as
3. Design forms such as registration form

**Note: All the programmes should be interactive.**

Write an interactive program for the following:

4. Fibonacci Series
5. Factorial of given number
6. Create a table
7. Create different images on mouse events

## RECOMMENDED BOOKS

1. Internet 6-in-1 by Kraynak and Habraken, Prentice Hall of India Pvt. Ltd., New Delhi
2. Using the Internet IV edition by Kasser, Prentice Hall of India Pvt. Ltd., New Delhi
3. Using the World Wide Web, (11nd edition) by Wall, Prentice Hall of India Pvt. Ltd., New Delhi
4. Internet for Everyone by Alexis Leon and Mathews Leon; Vikas Publishing House Pvt. Ltd., New Delhi
5. Practical Guide and Internet by AB Tiwana; Galgotia Publications Pvt. Ltd., New Delhi
6. HTML – 4 for World Wide Web by Castro Addison Wesley (Singapore) Pvt. Ltd., New Delhi
7. Design Shopping Cart for e-commerce applications
8. Develop hit home for each client i.e. number of visitors
9. HTML 4.0 Unleashed by Rick Dranell; Tech Media Publications
10. Principles of Web Designing Joel Sklar, Web Warrior Series Available with Vikas Publishing House Pvt. Ltd., New Delhi