MARIS STELLA COLLEGE, VIJAYAWADA-8
(An autonomous college affiliated to Krishna University)

Department of Computer Science

(General stream B.A/B.Com/B.Sc programs and also computer course as core subject)

Title: Internet Fundamentals and Web tools
Paper code: FCA012   **Semesters: III & IV**

Course Objectives:

- To provide students with a fundamental understanding as to how an HTML compliant web site is developed, implemented and maintained.
- To provide various types of networks, network standards and communication software.
- To provide skills to design interactive web sites.

Course Outcome: Upon successful completion of the course, a student will be able:

1. Describe the components of the Internet and Web technology;
2. Analyze common Internet applications such as marketing, collaboration, electronic commerce and document management;
3. To understand the basics of Internet technology, such as http and the World Wide Web, HTML.
4. Utilize the Internet Web resources and evaluate on-line e-business system.
5. To design interactive web pages using HTML.

Syllabus

UNIT – I   **8 Hours**

Computer Networks:
Introduction, Connecting Media, Network Topologies, Types of Network, Networking Devices.

Internet Introduction: What is internet, history of internet, internet services & accessibilities, use of internet, protocols, web concepts- the client/server model of web, retrieving data from the web, how the web works?, web browser, searching information on the web

UNIT – II   **8 Hours**

Core Elements and Attributes: The <html> element, the <head> element, the <title> element, the <body> element.

Basic Text Formatting: White space and flow, Creating headings using hn elements, Creating Paragraphs using <p> element, creating line breaks using <br / > element, creating preformatted text using <pre> element.

Presentational elements: The <b> element, The <i> element, The <u> element, The <s> and <strike> elements, The <tt> element, The < sup> element, The <sub> , The <big> element, The <small> element, The <hr/> element.

UNIT – III   8 Hours

Lists: Unordered lists, Ordered lists, Definition lists, Nesting lists.
Basic Links: Linking to other documents, linking to e – mail addresses.
Adding Images to your site: Types of image formats, bitmap images, vector images, adding images using <img> element.

UNIT – IV   8 Hours

Tables: Basic table elements and attributes – the <table> element, the <tr> element, the <td> and <th> elements and advanced tables.
Frames: Introducing the frameset, when to use frames, the <frameset> element, the <frame> element.

UNIT – V   8 Hours

Introducing Forms: Creating a Form with the <form> element – the action attribute, the method attribute.

Form Controls: Text inputs, Buttons, Checkboxes, Radio buttons, Select boxes.

Prescribed Books:

1. Beginning "Web programming with HTML, XHTML and CSS", 2nd Edition, author – Duckett.
2. Introduction to **HTML** and CSS -- O'Reilly , 2010
3. Jon Duckett, HTML and CSS, John Wiely, 2012

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BLUE PRINT OF MODEL PAPER

II – YEAR ICT

The paper consists of three sections.

All questions are compulsory from all parts.

Section – A

Consists of three short answer questions from five units with no choice.
Each question carries 2 Marks.

Section – B

Consists of five essay answer questions from five units, out of five questions, three questions have to be answered.
Each question carries 8 marks.

Section – C

Consists of one answer practical question.

It carries 30 marks.

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MODEL PAPER

II – YEAR ICT

Subject: Computer Skills   **Semester: III & IV**
Title: Internet Fundamentals and Web tools   **Paper Code: FCA012**
 Max Marks: 50   **Time: 3 hrs**

Section – A

Answer <u>all</u> the following questions: **3X2 =6M**

1. Define Network.
2. Write a short note on anchor tag.
3. What is web browser?

Section – B

Answer any <u>three</u> of the following questions.   **3X8 =24M**

4. What is topology? Explain different types of network topologies.
5. Explain different Text Formatting tags in html.
6. Explain different types of lists in html.
7. Explain table tags in html.
8. Explain different form controls in html.

Section – C

Answer the following question.   **1X30 =20M**

9. Write a program to implement navigation between pages.