COURSE TITLE	INTERNET AND HTML
COURSE CODE	CC-103
COURSE CREDIT	3
Session Per Week	4
Total Teaching Hours	40 HOURS

AIM

To develop the skill about the basic and important terminology of Internet.
To make the students able for web site design fundamentals using HTML scripting.

LEARNING OUTCOMES

On the completion of the course students will:
1. Understand the meaning and syntax of different tags of HTML5
2. Learn the basic differences between HTML and HTML5
3. Understand the basic internet terminology and technology
4. To design web pages using simple and advanced tags of HTML5.
5. To understand the fundamental concept of Google AdSense and Analytics.

DETAIL SYLLABUS

UNIT	TOPIC / SUB TOPIC	TEACHING HOURS
	Introduction to Internet	10

1	• Introduction to Internet
	• How does Internet works?
	• Internet addressing & DNS
	• Internet Vs Intranet
	• Switching:
	  o Circuit switching
	  o Packet switching
	  o Message switching
	
	• Different types of connections
	  o Dial-UP connections
	  o ISDN
	  o ADSL
	  o Leased Line Connections
	  o Satellite Connections
	• Internet service provider
		3

	• Computer Networks
	   o Use of computer Networks
	   o Network Devices
	   o Network Types
	   o Network Topologies
	• E-Mail
	   o Introduction
	   o E-mail System
	   o E-mail Protocols
	   o About E-mail addresses
	   o Structure of E-mail Message
	   o E-mail clients and server
	   o Mailing list
	   o E-mail security
	• World Wide Web
	   o Introduction
	   o Basic Elements
	• Search engines
	   o Introduction
	   o Criteria
	   o Search Agent
	   o About Popular search engines
		7

	Getting Started With HTML 5	**10**
2	• Introduction to HTML5 o New Structure o New Form Elements and Attributes o Browser support • Defining HTML Markup • Basic structure of HTML Document o The <!DOCTYPE html> Element o The <HTML> Element o The <head> Element o The <title> Element o The <Body> Element • Modifying the background of an HTML webpage o Adding Background color o Adding Background Image • Specifying Metadata about an HTML webpage	**6**
	• Introduction to new elements in HTML 5 **o The Markup Elements** **o The Media Elements** **o The Canvas Elements** **o The form elements** **o The Input type attribute values**	**4**

3	**Working with Text,List,Tables and Frames**	**10**
	• Adding a plain text to an HTML webpage • Adding text in new line • Creating Headings on webpage • Creating a paragraph • Creating a Horizontal Rule • Creating a Subscript and Superscript • Aligning the Text • Formatting the Text • Grouping the Text • Indenting Quotations • Working with character entities • Commenting the Text	**3**

	• Working with Lists
	   o Creating an Unordered List
	   o Creating an Ordered List
	   o Creating an Definition List
	    o Nested Lists
	• Working with Tables
	   o Creating a Table
	   o Specifying a caption to a Table
	   o Adding a Table Headings
	   o Setting the Table Borders
	   o Aligning a Table and Cell content
	   o Changing the background color of a Table
	   o Setting a Cell Padding and Cell Spacing
	   o Nesting Tables
	• Working with Frames
	   o Creating a Frames
	   o Defining new element specific attributes
	   o Specifying width and height of the Frame
	   o Applying Hyperlink Target to a frame
		7

4	**Working with Hyperlinks, Images, Multimedia, Forms and Controls**	**10**

	• Working with Hyperlinks
	   o Creating Hyperlins
	   o Setting hyperlink color
	   o Linking Different sections of page
	• Working with Images
	   o Inserting an Image on webpage
	   o Display alternate text for an Image
	   o Adding Border to an Image
	   o Align an Image
	   o Using Image as a Links
	• Creating Image Maps
	• Working with Multimedia
	   o Embedding multimedia on web page
	   o Handling Browser that do not support embedding
	   o Creating a link to a multimedia file
	   o Using <object> tag insert objects
		4

• Creating an HTML Form
  o Specifying the Action URL and The method to send form
• Adding Controls to an HTML Form
  o Using the<input> tag
  o Adding Text Area<textarea>
  o Adding Selection Control
• Understanding new form elements
  o The <datalist> element
  o The <keygen>Element
• Grouping the controls of HTML Form
• Specifying Label for a control
	6

TEXT BOOK/S:

1. Internet Technology and Web Design(First Edition-2011)
Publisher: Tata McGraw Hill
By ISRD group
2.HTML 5 in SIMPLE STEPS
Publisher : DREAMTECH PRESS
BY Kogent Learning Solutions Inc.

REFERENCE BOOKS:

1. World wide web Design with HTML(First Edition-2010)
Tata McGraw Hill
By C Xavier

2. Web Enabled commercial application development using HTML, Javascript,
DHTML and php
BPB Publication.
By Ivan Bayross
3. The Complete Reference HTML and CSS (Fifth Edition)
McGraw Hill Education
Thomas A Powell

WEB RESOURCES:

1. HTML5 Introduction(https://www.w3schools.com/html/html5_intro.asp)
2. http://www.tutorialspoint.com/ht...
3. https://www.udemy.com/learn-html...
4. HTML 5 Cheat Sheet (PDF) - Smashing Magazine
5. http://html5please.com/
6. http://diveintohtml5.info/

REQUIRED SOFTWARE/S

1. Any editor of Windows or Linux/UNIX.
2. Browser to view web pages