Dr. A. G. D. Bendale Mahila Mahavidyalaya, Jalgaon
Department of Computer Science

CERTIFICATE COURSE IN WEB DESIGNING
(CCWD)

Structure of Course

CCWD – I   COMPUTER FUNDAMENTAL, WINDOWS &
               INTRODUCTION TO INTERNET   100 Marks

CCWD – II   HTML & CSS   100 Marks

CCWD – III   Practical Based on CCWD – I & CCWD – II 100 Marks

Sr. No	Papers	Credit	Hours for Credit	Total	Total Marks
1.	CCWD – I (Theory)	6	15	90	100
2.	CCWD – II (Theory)	6	15	90	100
3.	CCWD - III (Practical)	8	15	90	100

1. Objectives →

* To develop web skill for developing websites

* To define and support technology standards.

* To acquire skills for creation of Dynamic web applications.

2. Duration   → 1 Year
3. Medium of Instruction   → English
4. Eligibility   → 12th
5. Intake Capacity   → 60
6. Mode   → Part Time

CERTIFICATE COURSE IN WEB DESIGNING
PAPER I
COMPUTER FUNDAMENTAL, WINDOWS & INTRODUCTION TO INTERNET

1Unit 1. Introduction: [10L]

History & generation of computer, Block diagram of computer system, Types of computers
Definition- Software, Hardware, Compiler, Interpreter, Characteristics & applications of Computer,
Data Representation: Introduction to Number system: decimal, binary, octal and hexadecimal, Conversion in

Number System, Character representation: ASCII.

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2] What is computer? [5 L]
  Computer hardware:-
  Input Devices: - Keyboard, Mouse, Scanner, Light Pen, Web Camera, microphone.
  Output Device: - Monitor, Different Types Of Printer, Graphic Plotter.

3] System Unit: [4 L]
  Hard Disk, Processor, Mother Board, CD-writer.

4] Memory: [4 L]
  Primary memory - RAM, ROM, Secondary memory, cache memory.

5] Accessories: [4 L]
  Speaker, Headphone, Mike, Digital camera, MP3 Player.

6] Windows: [5 L]
Windows XP requirements, Component of window menu bar, Windows   XP, Windows –7.

7] Introduction to Information Technology and Internet: [10L]
Introduction to Information Communication Technology
Analog & Digital communication, 2G, 3G, 4G and future Generations, Overview of Information Systems,
Overview of Information Security- Viruses & Worms, Security threats, History of Internet, Working of Internet & Intranet, World Wide Web,   surfing, chatting, creating e-mail address, Sending & Receiving E-mail(with attachment),Viewing various websites in design point of view. Messenger Services, News Groups, Car GPS tacking.

References –
Fundamentals of computer - V. Raja Raman (PHI Publication)
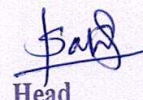Computer and commonsense - Roger Hunt and John Shelley (PHI Publication)
Internet in easy steps - Dream tech Press

CERTIFICATE COURSE IN WEB DESIGNING
PAPER –II
HTML

1] Introduction and Basics of HTML: [3L]
   What is HTML? , History & Development of HTML,
   Structure of HTML document, The DOCTYPE declaration,
   HTML tags and Examples.

2] Head Elements: [3 L]
   HTML tags, Text Level tags, Character entity references, HEAD tags,
   Body tags, displaying a Web page in Web browser.

3] Formatting Text: [9 L]
   Defining paragraph and new lines, inserting line breaks, inserting spaces,
   FONT tags, changing background color, marked formatting, new semantic elements, new form
control attributes, graphic elements, multimedia elements.

4] List: [4 L]
   Ordered list, unordered list, defining list, some other elements, Visual
   Mark up, HTML Description list, Nested HTML list, Horizontal list with css.

5] Uniform Resource Locator: [5 L]
   Types of URL, absolute URL, Relative URL Document relative URLs,
   And Server relative URLs, Internationalize URL.

6] Hypertext Links: [5 L]
   Implicitly anchored hyperlink, explicitly anchored hyperlink.

7] Images: [3 L]
   Adding images, adding border to an image, Image as a link, HTML Screen Readers, Image
Floating, Image Maps.

8] Links & Tables: [8 L]
How Hyperlinks Work, Anchor Tag and HREF. Attributes, Absolute vs. Relative Links, Border
E-Mail Links, and Table Tags & Table Attributes, RowAttributes, Cell Attributes, Merging Rows &
Columns.

9] Frames: [4 L]
   Frameset Definition, Frame Definition, Nested Framesets.

10] Forms: [4 L]
   CGI script, creating forms.

11] Introduction to css: [5 L]
   Formatting Text and Fonts, Formatting Colours and Backgrounds,
   CSS Class and, ID Attributes, CSS Links, CSS Navigation Bar.

References:
World Wide Web design with HTML – C Xavier Tata McGraw Hill
Publication.
2. The Complete Reference – Web Design, Thomas A. Powell,
TMH, ISBN 0-07-041186
3. Internet in easy steps: dreamtech press.
4. Web References: www.w3c.org, www.sybex.com

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PAPER-III
HTML LAB WORK

1] Create web page using basic HTML tags.

2] Develop a HTML program which demonstrates the use of 'Text Formatting tags'.

3] Develop a HTML program which demonstrates the use of 'List & Image tags'.

4] Develop a HTML program which demonstrates the use of 'table tags with its attributes'.

5] Develop a HTML program to create calendar of current month using table tag with its attributes.

6] Develop a webpage to demonstrate your personal information.

7] Create a website using Frame to demonstrate importance of Frameset tag.

8] Develop a website for 'presentation of your college' information, use different tags to provide attractiveness for your website.

9] Write a HTML program to demonstrate HTML Form tag with its elements.

10] Write a HTML program to develop 'Online Admission Form' using different form elements.

11] Write a HTML program to demonstrate 'Internal and External css.

12] Introduction to web browser.
13] Design static and simple website for your college.

14] Creation of e-mail account, sending and receiving emails.

15] Searching information.