<table>
<tr><td colspan="5" align="center">Part-A: Introduction</td></tr>
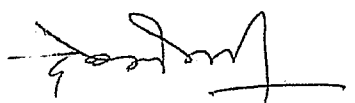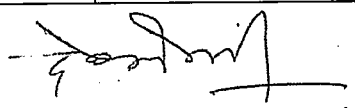<tr><td colspan="2">Program:DIPLOMA</td><td>Class : UG</td><td>Year: II year</td><td>session:2022-2023</td></tr>
<tr><td colspan="5" align="center">Subject : Computer Application</td></tr>
<tr><td>1.</td><td>Course Code</td><td colspan="3">S2-COAP2G</td></tr>
<tr><td>2.</td><td>Course Title</td><td colspan="3">Web Designing</td></tr>
<tr><td>3.</td><td>Course Type(Core Course/Elective/Generic Elective/Vocational/...)</td><td colspan="3">Generic Elective</td></tr>
<tr><td>4.</td><td>Pre-requisite(If any)</td><td colspan="3">• Knowledge of basic computer hardware &software.</td></tr>
<tr><td>5.</td><td>Course Learning Outcomes (CLO)</td><td colspan="3">On the completion of this course students will be able -
• To define the basics in web design.
• To visualize the basic concept of HTML.
• To recognize the elements of HTML.
• To introduce basics concept of CSS.
• To introduce basics concept of JavaScript.
• Todevelop the concept of web publishing.
• Todesign a working webpage.</td></tr>
<tr><td>6.</td><td>Credit Value</td><td colspan="3">4</td></tr>
<tr><td>7.</td><td>Total Marks</td><td colspan="2">Max.Marks: 30+70</td><td>Min. Passing Marks:33</td></tr>
</table>

Part- B: Content Of the Course
Web Designing

Total No. of Lectures =60 (in hours per week) :3-0-0

Unit	Topics	No. of Lectures
I	**Introduction to Internet Technology:**History of the internet, internetworking concepts, architecture, and protocol: TCP/IP and others main protocols, internet address and domains. World Wide Web (WWW), Web Clients, Web Servers, Hyper Text Transfer Protocol (Http), feature of HTTP protocol, HTTP request response model, Hyper Text Transfer Protocol Secure (HTTPS), proxy server, Firewall, Search Engines.	12
II	**Static Web page Development:**Introduction to Hyper Text Markup Language (HTML), Elements of HTML, Basic structure of an HTML, document Head & Body Sections, inserting texts, Text alignment, using images in pages, Hyperlinks text, Forms in HTML, Backgrounds and Color controls,creating and using Tables in HTML , Creating Lists: Ordered List Tags, Unordered List Tag. Changing the Font Color; Marquee Tag.	12

III	**Dynamic Web pageDevelopment:**Cascading Style Sheet:CSS, Defining Style with HTML Tags, Features of Style Sheet, StyleProperties, CSS Styling(Background, Text Format, Controlling Fonts), Working with Lists and Tables, Style placement: Inline style, Span & div tags, header styles.CSS Id and Class Working with block elements and objects,CSS Color.	12
IV	**JavaScript Overview:** JavaScript and the WWW, Script,element, Functions: Functions introduction, Calling functions, JavaScript Comments, Variables: Variables overview, declaring variables, Types ofvariables,Casting variables, Alert box, Prompt & confirm. Expressions: Arithmetic operators,Assignment operators, Logical operators, Expressions and precedence, Statements: Ifstatement, for statement, while statement, Break/Continue.	12
V	**Introduction to Web Publishing:** Creating the web site, Saving the site,Web Hosting and publishing Concepts, Hostingconsiderations, Choosing Web servers, Domain name Registration, Obtaining space on Server for Web site, FTP software forupload web site. Add your website on search engines,Issuesin Web site creations & Maintenance.	12
	Part –C: Learning Resources	
	Suggested Digital Platforms, Web links 1. https://vikaspedia.in/education/digital-litercy/it-literacy-courses-in-associating-with-msup/web-design-fundamentals#section1 2. https://www.edx.org/learn/web-design 3. https://onlinecourses.swayam2.ac.in/ugc19_lb05/preview 4. https://sites.google.com/a/venusict.org/web-application-development/nptel-video-lectures 5. https://freevideolectures.com/course/2308/internet-technology/25 6. http://www.mphindigranthacademy.org/ **Suggested Readings:** 1. Wendy Willard, "HTML Beginners Guide", Tata McGraw-Hill. 2. Deitel and Goldberg, "Internet and World Wide Web, How toProgram", PHI. 3. HTML, DHTML, JavaScript, Perl CGI by Ivan Bayross(BPB) 3rd Edition. 4. CSS By KynnBartlett(Pearson Education)2nd Edition 5. Introduction to Internet & HTML Scripting ByBhaumik Shroff Books India Publication 3rd Edition. 6. Books published by M.P. Hindi Granth Academy, Bhopal	

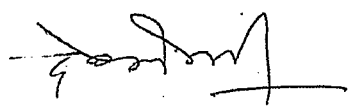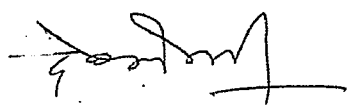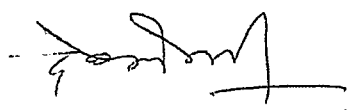| Part D-Assessment and Evaluation		
Suggested Continuous Evaluation Methods: Maximum Marks : 100 Continuous Comprehensive Evaluation (CCE) : 30 marks University Exam (UE) : 70marks		
Internal Assessment : Continuous Comprehensive Evaluation (CCE):30	Class Test Assignment/Presentation	Total 30
External Assessment : University Exam Section: 70 Time : 03.00 Hours	**Section(A) :** Objective Questions **Section (B) :** Short Questions **Section (C) :** Long Questions	Total 70

Dr Goswami

<table>
<tr><td colspan="5" align="center">**Part-A**
Introduction</td></tr>
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Program: Diploma		**Class : UG**	**Year: II year**	**session:2022-2023**

<table>
<tr><td colspan="5" align="center">**Subject : Computer Application**</td></tr>
<tr><td>1.</td><td colspan="2">**Course Code**</td><td colspan="2">S2-COAP2R</td></tr>
<tr><td>2.</td><td colspan="2">**Course Title**</td><td colspan="2" align="center">Web Designing(Practical)</td></tr>
<tr><td>3.</td><td colspan="2">**Course Type**</td><td colspan="2" align="center">Generic Elective</td></tr>
<tr><td>4.</td><td colspan="2">**Pre-requisite(If any)**</td><td colspan="2">• Knowledge of basic computer hardware & software.</td></tr>
<tr><td>5.</td><td colspan="2">**Course Learning Outcomes (CLO)**</td><td colspan="2">On the completion of this course students will be able –

• To understand the principles of creating an effective web page.
• To Write HTML and understand how toeffectively implement it in the webenvironment.
• To learn the language of the web: HTML, CSS and JavaScript.
• To learn and apply fundamental principles of web design theory and practice.
• To become familiar with graphic design principles that relates to web design and learn how to implement theories into practice.</td></tr>
<tr><td>6.</td><td colspan="2">**Credit Value**</td><td colspan="2">Practical -2</td></tr>
<tr><td>7.</td><td colspan="2">**Total Marks**</td><td>Max.Marks: 30+70</td><td>Min. Passing Marks:33</td></tr>
</table>

<table>
<tr><td colspan="3" align="center">**Part- B**
Content Of the Course(Practical)</td></tr>
<tr><td colspan="3" align="center">**Practical Lab will be conducted based on the theory Syllabus**</td></tr>
<tr><td></td><td>

List of Practical

Web DesigningPracticals:

1. Write a HTML program to design a form which should allow entering your personal data (Hint: make use of text field, password field, e-mail, lists, radio buttons, checkboxes, submit button).
2. Create a simple HTML page with title heading paragraph emphasize strong and image elements. .
3. Write a CSS style specification rule that would make all unordered lists (<ul> tags) have square bullets and a purple background.
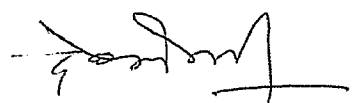
</td><td></td></tr>
</table>

ul{ list-style-type: square; background-color: purple; }.

4. Write a JavaScript program to calculate multiplication and division of two numbers (input from user).

5. Write a JavaScript program to find the largest of three given integers.

6. Write a JavaScript conditional statement to sort three numbers. Display an alert box to show the result.

7. Create a web page of customer profile for data entry of customer's in a Hotel, The profile should include Name, Address, Age, gender, Room Type (A/C, Non-A/C or Deluxe), Type of payment (Cash, Credit/Debit Card or Coupons).

8. Write a JavaScript function that checks whether a passed string is palindrome or not?

9. Write a java script program to find the factorial of given number.

10. Create a web page illustrating text formatting tags.

11. Create an html page with following specifications:

   a. Title should be about my college.

   b. Put the image in the background.

   c. Place your College name at the top of the page in large text followed by address in smaller size.

   d. Add names of courses offered each in a different color, style and typeface.

   e. Add scrolling text with a message of your choice.

12. Using Nested HTML tables create your Curriculum Vitae.

13. Using CSS invert the behavior of the <h1> to <h6> tags.

14. Create a sample code to illustrate the Inline style sheet for your web page.

15. Create a sample code to illustrate the External style sheet for your web page.

<table>
<tr><td colspan="3" align="center">

Part -C
Learning Resources

</td></tr>
</table>

Suggested Digital Platforms, Weblinks:

1. https://www.w3resource.com/javascript-exercises/
2. https://coding-exercises.udemy.com/html
3. http://www.mphindigranthacademy.org/

SuggestedReadings:

1. HTML, DHTML, JavaScript, Perl CGI by Ivan Bayross(BPB) 3rd Edition.
2. CSS By KynnBartlett(Pearson Education)2nd Edition
3. Wendy Willard, "HTML Beginners Guide", Tata McGraw-Hill.
4. Introduction to Internet & HTML Scripting ByBhaumik Shroff Books India Publication 3rd Edition.
5. Books published by M.P. Hindi Granth Academy, Bhopal

Part D-Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Internal Assessment	Marks	External Assessment	Marks
Class Interaction /Quiz		Viva Voce on Practical	
Attendance		Practical Record File	
Assignments (Charts/ Model Seminar / Rural Service/ Technology Dissemination/ Report of Excursion/ Lab Visits/ Survey / Industrial visit)		Table work / Experiments	
TOTAL	30		70