



FIRST-YEAR DIPLOMA ENGINEERING SYLLABUS

Semester: 2nd

Course Code: 002204206

Type of Course: PCC-LC-3

Course Name: STATIC WEB PAGE DESIGN LAB

Course Prerequisites: Use google applications, various IT software tools for word-processing, data analysis and preparing presentation

COURSE OBJECTIVE(S):

Today various technologies are available for developing web-based applications. These technologies can be equally used for developing both web based educational and business applications. These technologies are required for developing online educational applications such as organizational websites, educational website, virtual learning environments etc. and business applications in various fields such as products sale, banking, railways reservation, services etc. Therefore it is important that the students of polytechnics develop competency to use Hyper Text Markup Language (HTML) technologies for developing professional static web environment. This course would be the basis for developing dynamic web pages which will be taught in latter semesters.

TEACHING & EXAMINATION SCHEME:

Teaching Scheme (Hrs/Week)				Examination Scheme				
Theory	Tutorial	Practical	Credit	SEE		CA		
				Th	Pr	MSE	PLE	LA
0	0	4	2	00	25	00	00	25
				Total				
				50				

Th: Theory; Pr: Practical; FA: Final Assessment; CAT: Continuous Assessment Theory; CAP: Continuous Assessment Practical;

*TOTAL Practical Hours: No. of Practical Hrs/Week*15 = 60*

LIST OF PRACTICALS: *(sample for 2 hrs/week)*15 weeks*

Sr. No.	Practical Outcomes (PrOs)	Unit No.	Approx. Hrs. required
1	Use HTML text formatting tag to create web page as per given sample.	I	02
2	Use hyper link tag to navigate through different web pages as per given sample.	I	02
3	Use image tag to create web page as per given sample.	I	02
4	Use HTML table tag to create web page as per given sample.	I	02
5	Use sorted list to create web page as per given sample page.	II	02
6	Use unsorted list to create web page as per given sample page.	II	02
7	Use definition list to create web page as per given sample page.	II	02



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8	Use semantic tags to organize webpage contents as per given sample.	II	02
9	a. Create a student registration webpage using different HTML elements. b. Create student feedback form using different HTML elements.	II	02+02
10	Create a bank account opening form using different HTML elements in Kompozer.	III	02
11	Use inline, internal and external style sheets for the student registration form and bank account form created in previous practical.	IV	02+02
12	a. Use different CSS elements to create and format your Profile Page (Note: use CSS Background, Text, Font, Tables, Links, Images, Margin etc) b. Create and format your class time table Page Using Different CSS Elements (Note: use CSS Background, Text, Font, Tables, Links, Images, Margin etc)	IV	02+02
13	Use JavaScript to perform the following operations: a. find roots of quadratic equation b. find the highest from given three values	V	02+02
14	Use JavaScript to check whether given character is vowel or consonant using if else ladder.	V	02
15	Use JavaScript to check whether given character is vowel or consonant using switch case.	V	02
16	Use JavaScript to print first 10 even numbers.	V	02
17	Use JavaScript to calculate power of given number.	V	02
18	Use JavaScript to print multiplication table of given number.	V	02
19	Use JavaScript user defined functions to perform the following operations: a. to calculate sum of 1 to n b. to check whether given number is prime or not	V	02+02
20	Use JavaScript to perform the following operations: a. take input of student name and address and display in a dialog box. b. change background color of webpage as selected by user from a list of colors given in a combo box.	V	02+02
21	Use JavaScript to perform the following operations:	V	02+02



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	a. calculate the factorial of a given number entered into a textbox. Display the result in another textbox. b. perform arithmetic operations on two numbers entered into textboxes. Use Radio buttons to select arithmetic operations (Addition, Subtraction, Multiplication and Division). Display the result in another textbox.		
	Total		56

Text Book(s):

Title of the Book	Author(s)	Publication
HTML5 Blackbook	DT Editorials services	Dreamtech press, New Delhi, ISBN: 9789351199076

Reference Book(s):

Sr. No.	Title of Book	Author	Publication with place, year and ISBN
1	HTML5 Blackbook	DT Editorials services	Dreamtech press, New Delhi, ISBN: 9789351199076
2	HTML & CSS: The Complete Reference	Thomas Powell	Tata McGraw Hills, New Delhi, 2010 ISBN : 9780070701946
3	JavaScript the Complete Reference	Thomas Powell	Tata McGraw Hills, New Delhi, 2004 ISBN : 9780070590274

Web Material Link(s):

- a) www.w3schools.com/html/
- b) www.csstutorial.net/
- c) <https://www.w3schools.com/css/default.asp>
- d) <https://www.w3schools.com/js/default.asp>
- e) <https://www.thesitewizard.com/kompozer/index.shtml>
- f) <https://www.tutorials4u.com/editors/using-kompozer-web-editor.htm>

Equivalent/Corresponding Course on NPTEL (SWAYAM):

NPTEL course on

<https://nptel.ac.in/courses/101104073>

COURSE EVALUATION:

Sr. No.	Activity	Marks	Weightage
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1	Semester End Examination (External Th)	60	60%
2	Internal Examination	40	40%
2(a)	Mid Semester Examination	20	
2(b)	Attendance	10	
2(c)	Assessment Types (Any One from 2(c).1 to 2(c).7)	10	
2(c).1	Subject (Course) based Mini-Project		
2(c).2	Industry/Site Visit & Report		
2(c).3	Assignment		
2(c).4	Seminar		
2(c).5	Case Study		
2(c).6	Surprise Class Quiz		
2(c).7	Design Exercise		
2(c).7	Presentation		
2(d)	Practical (if Applicable)		

* For 4 Credit Subjects

1 Credit = 25 Marks

Theory: 3 Credits = 75 Marks

Practicals: 1 Credit = 25 Marks

SEE Evaluation will be of 100 marks and converted to 50 Marks (75 Th + 25 Pr)

CA Evaluation will be of 100 Marks and converted to 50 Marks. (75 Th + 25 Pr)

Distribution of Marks for Theory Evaluation as per Bloom's Taxonomy Level:

Level	Remember	Understand	Apply	Analyse	Evaluate	Create
% Weightage	20%	10%	10%	15%	10%	20%

COURSE OUTCOMES:(in the range of 4 to 6)

Sr. No.	CO Statement
CO-1	Design webpage using formatting, image and table tags.
CO-2	Use advanced HTML tags for designing interactive and semantic webpages.
CO-3	Design and publish websites using the Kompozertool.
CO-4	Use CSS internal and/or external stylesheets for designing webpages.
CO-5	Write client-side script using JavaScript.