GANPAT UNIVERSITY
U.V. PATEL COLLEGE OF ENGINEERING B. TECH 1ST SEMESTER CE/IT/CE-AI 2ES1109: BASICS OF WEB TECHNOLOGY

Practical -3

AIM: To study HTML List, Table and Marquee tags including their attributes.

PRACTICAL 3.1:

1. Write HTML code to generate the following output.

- Coffee
- Tea
  - Black Tea
  - Green Tea
- Milk

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>PRACTICAL 3.1</title>
</head>
<body>
   <ul>
      <li>Coffee</li>
      <li>Tea</li>
      <ul>
         <li>Black Tea</li>
         <li>Green Tea</li>
      </ul>
      <li>Milk</li>
   </ul>
```

```
</body>
</html>
```

OUTPUT:

- Coffee
- Tea
  - Black Tea
  - Green Tea
- Milk

PRACTICAL 3.2:

2. Write an HTML code to generate the following output

- Maharashtra
    - Pune
        I. Dighi
        II. Moshi
        III. Shivajinagar
    - Mumbai
        I. Santakruiz
        II. Vikroli
        III. Mumbra

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>PRACTICAL 3.2</title>
</head>
<body>
   <ul type="square">
     <li> Maharastra
      <ul><li>
         Pune
         <ol type="I">
            <li>Dighi</li>
            <li>Moshi</li>
            <li>Shivajinagar</li>
         </ol>
         <li>Mumbai
            <ol type="I">
               <li>Santakruiz</li>
               <li>Vikroli</li>
               <li>Mumbra</li>
            </ol>
```

```
        </li>
      </li></ul>
      </li>
   </ul>
</body>
</html>
```

OUTPUT:

- Maharastra
  - Pune
    I. Dighi
    II. Moshi
    III. Shivajinagar
  - Mumbai
    I. Santakruiz
    II. Vikroli
    III. Mumbra

PRACTICAL 3.3:

3. Create an HTML document containing a nested list showing a quiz:

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>PRACTICAL 3.3</title>
</head>
<body>
   <h3>Quiz</h3>
   <ol>
     <li> HTML is an _____?
      <ol type="a">
         <li>Markup language</li>
         <li>Programming language</li>
         <li>None of these</li>
      </ol></li><br>
      <li> CSS is used for
      <ol type="a">
         <li>Styling</li>
         <li>Scripting</li>
         <li>None of these</li>
      </ol></li><br>
      <li> Which of the following is a dynamic form of HTML?
      <ol type="a">
         <li>XML</li>
         <li>DHTML</li>
         <li>None of these</li>
      </ol></li><br>
      <li> Which of the following can be linked with HTML and CSS?
      <ol type="a">
         <li>Javascript</li>
         <li>C++</li>
         <li>None of these</li>
      </ol></li><br>
```

```
    </ol>
</body>
</html>
```

OUTPUT:

Quiz

1. HTML is an _____?
    a. Markup language
    b. Programming language
    c. None of these

2. CSS is used for
    a. Styling
    b. Scripting
    c. None of these

3. Which of the following is a dynamic form of HTML?
    a. XML
    b. DHTML
    c. None of these

4. Which of the following can be linked with HTML and CSS?
    a. Javascript
    b. C++
    c. None of these

PRACTICAL 3.4:

4. Write an HTML code for the given output using dl, dt and dd tag.

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>PRACTICAL 3.4</title>
</head>
<body>
   <h1>HTML Description List</h1>
   <dl>
      <dt>HTML
         <dd>markup language</dd>
      </dt>
      <dt>Java
         <dd>pragramming language</dd>
      </dt>
      <dt>Javascript
         <dd>scripting language</dd>
      </dt>
      <dt>SQL<dd>
         query language
      </dd>
      </dt>
   </dl>
</body>
</html>
```

OUTPUT:

HTML Description List

HTML
: markup language

Java
: programming language

JavaScript
: scripting language

SQL
: query language

PRACTICAL 3.5:

5. Write an HTML code to create a table and generate the following output:

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>PRACTICAL 3.5</title>
</head>
<body>
   <table border="1" cellspacing="0" cellpadding="8">
      <tr>
         <th rowspan="2">State of Health</th>
         <th colspan="2">Fasting Value</th>
         <th colspan="1">After Eating</th>
      </tr>
      <tr>
         <th>Minimum</th>
         <th>Maximum</th>
         <th>2 hours after eating</th>
      </tr>
      <tr>
         <td>Healthy</td>
         <td>70</td>
         <td>100</td>
         <td>Less than 140</td>
      </tr>
      <tr>
         <td>Pre-Diabetes</td>
         <td>101</td>
         <td>126</td>
         <td>140 to 200</td>
      </tr>
      <tr>
         <td>Diabetes</td>
         <td>More than 126</td>
```

```
            <td>N/A</td>
            <td>More than 200</td>
        </tr>
    </table>
</body>
</html>
```

OUTPUT:

State of Health	Fasting Value		After Eating
	Minimum	Maximum	2 hours after eating
Healthy	70	100	Less than 140
Pre-Diabetes	101	126	140 to 200
Diabetes	More than 126	N/A	More than 200

PRACTICAL 3.6:

6. Write an HTML code to create a table and generate the following output:

CODE:

```
!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>PRACTICAL 3.6</title>
</head>
<body>
   <table border="3" cellspacing="0" cellpadding="8">
      <caption><b>Students can download the syllabus from below link</b></caption><br>
     <center> <th colspan="5">Download 1-Semester Syllabus</th></center>
   <tr bgcolor="27F5E4">
      <th>S NO.</th>
      <th>Subject Name</th>
      <th>Subject Code</th>
      <th>Download Syllabus</th>
     <th rowspan="7"><a
href="https://uvpce.guni.ac.in/programmes/after-12th-programs-undergraduate-programs/engine
ering-technology/bachelor-of-technology-in-computer-engineering/syllabus"><img
src="guni_logo_main.png" width="270"></a><br><br><br>Syllabus is also available on the
GUNI Website</th>
   </tr>
   <tr bgcolor="#ffc0cb">
      <td>1</td>
      <td>MATH</td>
      <td>2BS1101</td>
      <td><a
href="https://d2z4x7fn3a0wyp.cloudfront.net/subject/mathematics-i/2bs1101-mathematics-i.pdf"
>MATH syllabus</a></td>

   </tr>
   <tr bgcolor="#76ff7a">
      <td>2</td>
      <td>EG</td>
```

```
      <td>2ES1101</td>
      <td><a
href="https://d2z4x7fn3a0wyp.cloudfront.net/subject/engineering-graphics/2es1101-engineering-grahpics-syllabus-semester-i.pdf">EG syllabus</a></td>
   </tr>
   <tr bgcolor="#48d1cc">
      <td>3</td>
      <td>BEE</td>
      <td>2ES1103</td>
      <td><a
href="https://d2z4x7fn3a0wyp.cloudfront.net/subject/basic-electrical-engineering/2es1103-basic-electrical-engineering.pdf">BEE syllabus</a></td>
   </tr>
   <tr bgcolor="#ffff66 ">
      <td>4</td>
      <td>BWT</td>
      <td>2ES1109</td>
      <td><a
href="https://d2z4x7fn3a0wyp.cloudfront.net/subject/basics-of-web-technology/2es1109-basics-of-web-technology.pdf">BWT syllabus</a></td>
   </tr>
   <tr bgcolor="#a9a9a9">
      <td>5</td>
      <td>ITPT</td>
      <td>2ES1110</td>
      <td><a
href="https://d2z4x7fn3a0wyp.cloudfront.net/subject/it-peripherals-tools/2es1110-it-peripherals-and-tools.pdf">ITPT syllabus</a></td>
   </tr>
   <tr bgcolor="#87ceeb">
      <td>6</td>
      <td>AI & ML</td>
      <td>2ES1113</td>
      <td><a
href="https://d2z4x7fn3a0wyp.cloudfront.net/subject/introduction-to-ai-ml/2es1113.pdf">AI &
ML syllabus</a></td>
   </tr>
   </table>
</body>
</html>
```

OUTPUT:

Students can download the syllabus from below link

Download 1-Semester Syllabus				
S NO.	**Subject Name**	**Subject Code**	**Download Syllabus**	
1	MATH	2BS1101	MATH syllabus	Ganpat University ॥ विद्यया समाजोत्कर्षः ॥ NAAC A Grade Accredited University
2	EG	2ES1101	EG syllabus	
3	BEE	2ES1103	BEE syllabus	
4	BWT	2ES1109	BWT syllabus	
5	ITPT	2ES1110	ITPT syllabus	**Syllabus is also available on the GUNI Website**
6	AI & ML	2ES1113	AI & ML syllabus	

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Bachelor of Technology					Branch/Spec.	All		
Semester	I					Version	2.0.0.0		
Effective from Academic Year	2022-23					Effective for the Batch admitted in	July 2022		
Course Code	2BS1101		Course Name			Mathematics-I			
Teaching Scheme						Examination Scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	03	01	-	-	04	Theory	40	60	100
Hours	03	01	-	-	04	Practical	-	-	-

Pre-requisites	
Basic knowledge of Differentiation and Integration	
Course Outcomes	
On successful completion of the course, the students will be able to:	
CO1	Demonstrate mathematical basic preliminaries.
CO2	Interpret physical phenomenon in mathematical formulation.
CO3	Develop Differential and Integral Calculus in formal representation of various computing constructs.
CO4	Identify the importance of Mathematics for analysis of engineering problems.

Theory Syllabus		
Unit	Content	Hrs.
1	**Differential Calculus:** Review of the prerequisites such as limits of sequences and functions, continuity, uniform continuity and differentiability. Successive differentiation, Leibniz's theorem (without proof), Taylor's & Maclaurin's expansions of single variable, Rolle's theorem, Mean value	11

GANPAT UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

Programme	Bachelor of Technology				Branch/Spec.	All		
Semester	I				Version	2.0.0.0		
Effective from Academic Year	2022-23				Effective for the Batch admitted in		July 2022	
Course Code	2BS1101	Course Name			Mathematics-I			
Teaching Scheme					Examination Scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)	Total		CE	SEE	Total
	L	TU	P	TW				
Credit	03	01	-	-	04	Theory	40	60	100
Hours	03	01	-	-	04	Practical	-	-	-

Pre-requisites

Basic knowledge of Differentiation and Integration

Course Outcomes

On successful completion of the course, the students will be able to:

CO1	Demonstrate mathematical basic preliminaries.
CO2	Interpret physical phenomenon in mathematical formulation.
CO3	Develop Differential and Integral Calculus in formal representation of various computing constructs.
CO4	Identify the importance of Mathematics for analysis of engineering problems.

Theory Syllabus

Unit	Content	Hrs.
1	**Differential Calculus:** Review of the prerequisites such as limits of sequences and functions, continuity, uniform continuity and differentiability. Successive differentiation, Leibniz's theorem (without proof), Taylor's & Maclaurin's expansions of single variable, Rolle's theorem, Mean value	11

GANPAT UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

Programme	Bachelor of Technology				Branch/Spec.	ALL		
Semester	I / II				Version	2.0.0.0		
Effective from Academic Year	2022-2023				Effective for the batch Admitted in		July 2022	
Course Code	2ES1103	Course Name			Basic Electrical Engineering			
Teaching scheme					Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)	Total		CE	SEE	Total
	L	TU	P	TW				
Credit	3	0	1	0	4	Theory	40	60	100
Hours	3	0	2	0	5	Practical	30	20	50

Pre-requisites:

-

Course Outcomes

On successful completion of the subject, students should be able to:

CO1	Understand & Apply fundamental electrical laws and circuit theorems to electrical circuits.
CO2	Analyse single phase and three phase AC circuits
CO3	Comprehend electrical installations, their protection and personnel safety
CO4	Identify the types of capacitors and know the practical applications of various types of capacitors

Theory syllabus

Unit	Content	Hrs
1	**D.C. Circuits:** Voltage and current sources, Source transformation, Star-Delta transformation, Application of Kirchhoff's Law, Superposition theorem, Thevenin's theorem, Norton's Theorem.	**08**

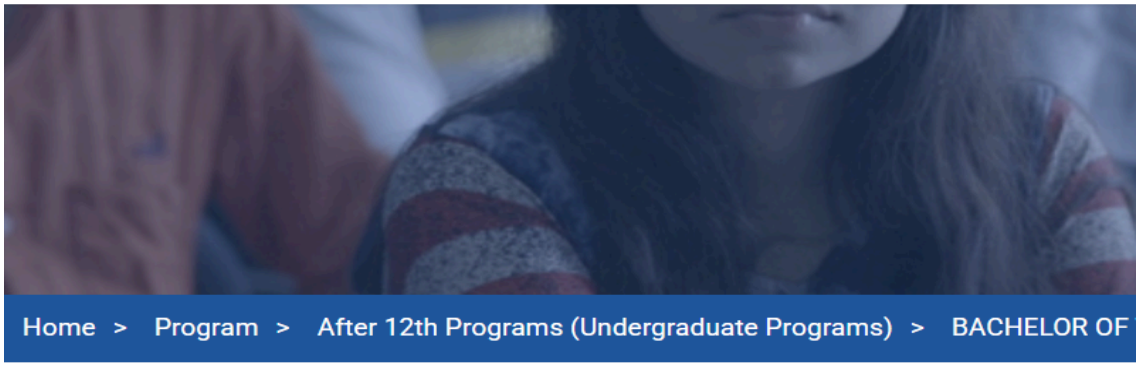
GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Bachelor of Technology					Branch/Spec.	Computer Engineering / Information Technology/CE-AI		
Semester	I					Version	2.1.0.1		
Effective from Academic Year	2022-23					Effective for the batch Admitted in	July 2022		
Subject code	2ES1109		Subject Name			Basics of Web Technology			
Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	-	2	-	4	Theory	40	60	100
Hours	2	-	4	-	6	Practical	30	20	50

Pre-requisites	
No prerequisite is required.	
Course Outcomes	
On successful completion of the course, the students will be able to:	
CO1	Explain the core web terminologies for web communication.
CO2	Apply HTML knowledge to create effective static web pages with different elements.
CO3	Build attractive and effective websites using CSS.
CO4	Develop basic programming skills using Javascript and create interactive websites.
CO5	Utilize different Bootstrap techniques of responsive web design.
Theory Syllabus	
Unit	Content

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Bachelor of Technology					Branch/Spec.	Computer Engineering / Information Technology/CE-AI		
Semester	I					Version	2.0.0.1		
Effective from Academic Year	2022-23					Effective for the batch Admitted in	July 2022		
Subject code	2ES1110		Subject Name			IT Peripherals & Tools			
Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	0	-	2	-	2	Theory	00	00	00
Hours	0	-	4	-	4	Practical	30	20	50

Pre-requisites:	
No prerequisite is required.	
Objectives of the Course:	
On successful completion of the course, the students will be able to:	
CO1	Explain the concept and methodology of different parts of the computer and their assembling.
CO2	Install an operating system.
CO3	Apply DOS and Linux Commands.
CO4	Demonstrate the concepts of windows file systems.
CO5	Design the document using Word, Excel and PowerPoint .
CO6	Use various services of google, Install GIT into the local system, use and interact with Github.
Theory syllabus	

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Bachelor of Technology					Branch/Spec.	Computer Engineering (Artificial Intelligence)		
Semester	I					Version	2.0.0.0		
Effective from Academic Year			2022-23			Effective for the batch Admitted in			July 2022
Subject code	2ES1113		Subject Name			Introduction to AI & ML			
Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	-	-	2	-	2	Theory	00	00	00
Hours	-	-	4	-	4	Practical	30	20	50
Pre-requisites									
Familiarity with basic linear algebra and calculus.									
Course Outcomes									
On successful completion of the course, the students will be able to:									
CO1	Know the programming fundamentals								
CO2	Understanding the various terminologies about Artificial Intelligence								
CO3	Exploring the data pre-processing basics								
CO4	Use the tools and libraries for Data Visualization								
CO5	Know the real life application of Artificial Intelligence								
Theory syllabus									



PRACTICAL 3.7:

7. Write HTML code to create a web page as shown below containing moving messages with customized speed, direction, color and scrolling behavior.

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>PRACTICAL 3.7</title>
</head>
<body>

   <marquee behavior="scroll" direction="left" bgcolor="yellow" style="color:green"
width="400">Breaking News!</marquee>
   <br><br>
   <marquee behavior="scroll" direction="right" bgcolor="#CECECE" style="color:red"
width="400">Breaking News!</marquee>
   <br><br>
   <marquee behavior="scroll" direction="down" bgcolor="blue" style="color:white"
height="50" width="400">Breaking News!</marquee>
<br><br>
<marquee behavior="scroll" direction="up" bgcolor="black" style="color:white" height="50"
width="400">Breaking News!</marquee>


</body>
</html>
```

OUTPUT: