

AC –  
Item No. –

**As Per NEP 2020**

**Tolani College of  
Commerce  
(Autonomous)**



Knowledge is Supreme

**Title of the Course: Web Programming**

**Programme : B.Com (Accounting and Finance),  
B.Com(Banking and Insurance) ,B.Com(Financial Markets) Bachelor  
of Business Administration in Logistics , Bachelor of Management  
Studies**

**Syllabus for 2 Credits Course**

**From the Academic Year-2024-2025**

## Name of the Course: Web Programming

Sr. No.	Heading	Particulars
1	<b>Description the course : :</b>	Web programming, also known as web development, refers to the process of creating and maintaining dynamic websites or web applications that run on web browsers. It involves a combination of various programming languages, technologies, and frameworks to build interactive and user-friendly web experiences. Here are key aspects and components of web programming:
2	<b>Vertical :</b>	Open Elective
3	<b>Type :</b>	Theory and Practical
4	<b>Credit:</b>	2 credits (1 Credit = Theory and 1 Credit = Practical Work)
5	<b>Hours Allotted :</b>	30 Hours
6	<b>Marks Allotted:</b>	Total 50 Marks Continuous Evaluation 20 Marks Semester End Examination 30 Marks
7	<b>Course Objectives:</b>	<ol style="list-style-type: none"> <li>1. To understand the pre requisites required for different kind of websites. Architecture of WWW, Internet</li> <li>2. Introduction and programming skill development in SQL/PLSQL</li> <li>2. To learn HTML tags and JavaScript Language programming concepts and techniques. To learn to write, test, and debug web pages using HTML and JavaScript.</li> </ol>
8	<b>Course Outcomes:</b>	<ol style="list-style-type: none"> <li>1. Understand the architecture of internet, Protocol and types of supportive browsers.</li> <li>2. Develop a fully functioning static website and deploy on a web server. Develop JavaScript applications with HTML integration</li> </ol>

9	<b>Modules:-</b>
	<p><b>Module I: Internet and the World Wide Web, HTML5 (15 hours)</b></p> <ul style="list-style-type: none"> <li>• Introduction to internet and its applications, E-mail, telnet, FTP, e-commerce, video conferencing, e-business. Internet service providers, domain name, World Wide Web (WWW): World Wide Web.</li> <li>• Uniform resource locator (URL), browsers – internet explorer, Netscape navigator, opera, Firefox, chrome, Mozilla. search engine, web saver – apache, IIS, proxyserver, HTTP protocol</li> <li>• Formatting text by using tags, using lists and backgrounds, Creating hyperlinks and anchors. Style sheets, CSS formatting text using style sheets, formatting paragraphs using style sheets. semantic tags, creating divisions, creating HTML5 semantic layout, positioning and formatting divisions.</li> </ul>
	<p><b>Module II: HTML tables, Frame, Media and Javascript (15 hours)</b></p> <ul style="list-style-type: none"> <li>• Creating simple table, specifying the size of the table, specifying the width of the column, merging table cells, using tables for page layout, formatting tables.</li> <li>• Client-Side JavaScript, Server-Side JavaScript, Operators: Assignment Operators, Comparison Operators, Arithmetic Operators, % (Modulus), ++(Increment), --(Decrement), -(Unary Negation), Logical Operators</li> <li>• Statements: Break, comment, continue, delete, do...while, export, for, for...in, function, if...else, import, labelled, return, switch, var, while, with, functions, events and regular expressions</li> </ul>
10	<p><b>Reference Books:</b></p> <ol style="list-style-type: none"> <li>1) <b>Author:</b> Thomas Powell Robert Web Design <b>Publisher:</b> Tata McGrawHill The CompleteReference Elsenpeter JavaScript 2.0(12<sup>th</sup> Edition) 2022</li> <li>2) <a href="https://www.cs.uct.ac.za/mit_notes/web_programming.html">https://www.cs.uct.ac.za/mit_notes/web_programming.html</a></li> </ol>

11	Internal Continuous Assessment: 40%	Semester End Examination : 60%																																									
12	Continuous Evaluation through: practical assessment																																										
13	<p><b>Format of Question Paper:</b></p> <p style="text-align: center;"><b>Scheme of Evaluation Pattern</b>  <b>Table 1A: Scheme of Continuous Evaluation (CE/Practical)</b>  <b>Scheme of Evaluation Pattern</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sub-components</th> <th>Maximum Marks</th> <th>Conditions for passing</th> </tr> </thead> <tbody> <tr> <td>1) Practical exam</td> <td>15</td> <td rowspan="3">A learner must be present for each of the sub-components.</td> </tr> <tr> <td>2) Journal and Viva</td> <td>5</td> </tr> <tr> <td>Total</td> <td>20</td> </tr> </tbody> </table> <p style="text-align: center;"><b>Table 1B: Scheme of Semester End Examination (SEE) Evaluation</b>  <b>Question Paper Pattern for Semester End Examination (SEE)</b>  <b>Maximum Marks: 30</b> <span style="float: right;"><b>Duration: I Hrs.</b></span></p> <p>Note: All questions are compulsory. Each question has an internal choice.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Question Number</th> <th>Nature of Questions</th> <th>Maximum Marks</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td><b>Attempt any 3</b></td> <td></td> </tr> <tr> <td></td> <td>a)</td> <td rowspan="5">15</td> </tr> <tr> <td></td> <td>b)</td> </tr> <tr> <td></td> <td>c)</td> </tr> <tr> <td></td> <td>d)</td> </tr> <tr> <td></td> <td>e)</td> </tr> <tr> <td>2)</td> <td><b>Attempt any 3</b></td> <td></td> </tr> <tr> <td></td> <td>a)</td> <td rowspan="5">15</td> </tr> <tr> <td></td> <td>b)</td> </tr> <tr> <td></td> <td>c)</td> </tr> <tr> <td></td> <td>d)</td> </tr> <tr> <td></td> <td>e)</td> </tr> </tbody> </table>		Sub-components	Maximum Marks	Conditions for passing	1) Practical exam	15	A learner must be present for each of the sub-components.	2) Journal and Viva	5	Total	20	Question Number	Nature of Questions	Maximum Marks	1)	<b>Attempt any 3</b>			a)	15		b)		c)		d)		e)	2)	<b>Attempt any 3</b>			a)	15		b)		c)		d)		e)
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**Signatures of Team  
Members**

Sr.No	Name	Signature
1.	Ms. Bandita Singh	