Part A: Introduction

		Class: B.Sc.--IT VI Semester	Year 2024	Session: 2024-25
Program : Certificate Course				
1.	Course Code	ITSE-5T		
2.	Course Title	Web Technology		
3.	Course type	Discipline Specific Elective (DSE)		
4.	Pre-requisite if any	As per Govt. Norms / Institutional Scheme		
5.	Course Learning Outcomes (CLO)	After successfully completing this course, the students will be able to: • Analyze webpage and identify its elements and attributes. • Create web pages using HTML, CSS, JAVASCRIPT, XHTML • XHTML Build dynamic web pages using Java Script (Client side programming). • Create XML Documents and Schemas. • Build interactive web applications using, PHP. AU.X. • Learn Web Hosting		
6.	Credit Value	04 (03Theory + 01 Practical)		
7.	Marks	Max. Marks: 100 = 80Theory +20 Internal Assessment	Min Passing Marks:40	

Part B: Content of the Course

Total number of Teaching-Learning – Hours-45

Unit	Topics (Course Contents)	Hours
I.	**Introduction:** Fundamentals of Web Technology: Web pages, website, browser, client, web servers, Basics of HTML,CSS, Scripting Languages, MySQL, PHP etc, Protocols Governing The Web, Web Development Strategies, Web Applications, Introduction to Web Publishing: Introduction, Domain Name Registration, Choosing a web host and signing up for an Account, Web hosting, IDE for web development.	11
II.	**HTML:** Introduction, Basic Formatting Tags: Heading, Paragraph, Line Break, Bold, Italic, Underline, Superscript, Subscript, Font And Image. Different Attributes Like Align, Color, Go Color, Font Face, Border, Size. Navigation Links Using Anchor Tag: Internal, External, Mail And Image Links, Link To Different Web Pages And Sections. Lists: Ordered, Unordered And Definition, Table Tag, HTML Form Controls: Form, Text, Password, Text Area, Button, Checkbox, Radio Button, Select Box, Hidden Controls, Frameset And Frames.	11
III.	**CSS and Scripting Languages:** Usefulness of Style Sheets, Creating Style Sheets, Classes and Pseudo Classes, CSS Tags, Background, Font, Text, Position Etc. **JavaScript:** Overview, Syntax & Conventions, Variables, Expression, Branching A Looping, Function, Array, Objects, Events & Document Object Model Alerts Prompts And Confirms.	12
IV.	**PHP:** Introduction to PHP, Server Side Scripting, Role of Web Server Software, Including Files, Comments, Variables and Scope, Echo and Print, Operators: Logical!, Comparison And Conditional Operators, Branching Statements, Loops, Break and Continue PHP Functions. Passing Information Between Pages, HTTP GET and POST Method, String Functions: Stolen, Strops, Starts, Shrimp, Subset, Set Replace, String Case, Array Constructs: Array(), List() And For Each (), PHP Advanced Functions: Header , Session, Cookie, Object Oriented Programming Using PHP :Class .Object, Constructor, Destructor and Inheritance.	11