

Web Programming					
Credit Hours:	3	Course Code:	INFT-3128	Prerequisites:	None
Course Learning Outcomes (CLOs):					
At the end of the course, the students will be able to:				Domain	BT Level*
1. Utilize a variety of basic programming structures (variables, loops, functions, etc.) in a popular scripting environment on a web server.				C	2
2. Create scripts that dynamically generate web pages containing valid HTML (Hypertext Markup Language) clearly separating structure, presentation, and behavior in the web browser.				C	3
3. Develop scripts that validate form input on the server.				C	3
4. Design, program, and implement web pages that interact with web-enabled databases performing simple CRUD (Create, Read, Update, Delete) operations.				C	4
5. Identify the different issues faced by web developers such as security, file management, and web standards-compliance.				C	4
* BT= Bloom's Taxonomy, C=Cognitive Domain, P=Psychomotor Domain, A=Affective Domain					
Course Contents:					
Introduction to course, Introduction to Web, Web applications Basic syntax -all the common tags used to develop web content Build your own HTML template, Create HTML lists, hyperlinks, and add images Build tables for even more HTML structure with examples Create Forms with in depth form examples and HTML tag explanations Field, Audio, Video, canvas Element with examples The basics of styling, Internal and External Stylesheet How to use Html Selector, Classes and ID? Explore how to write JavaScript basics, Understanding the Document Object Mode, Event Handling Introducing JavaScript Libraries, What Are Events? Using Events with Functions More jQuery Event Concepts the PHP programming environment, WAMP/XAMPP Basics of PHP, Selection, conditional and iterative structure in PHP File Handling in PHP,\$GLOBALS, \$_SERVER,\$_POST, \$_GET, \$_POST PHP Exceptions, Cookies, Session Database Manipulation in PHP Introduction to Word press Ajax basics					
Teaching Methodology:					
Lectures, Written Assignments, Practical labs, Semester Project, Presentations.					
Course Assessment:					
Mid Term Exam, Home Assignments, Quizzes, Project, Presentations, Final Exam.					
Reference Material:					
1. 1. Learning PHP, MySQL & JavaScript 5e: With jQuery, CSS & HTML5, by Robin Nixon,Released May 2018, Publisher(s): O'Reilly Media, Inc. ISBN: 9781491978917 2. 2. Web Design with HTML & CSS3: Complete (Shelly Cashman Series) 8th Edition, JessicaMinnick, 2015, ISBN-13: 978-1305578173					