

Semester 5			
Course Code:	CTEC 31013		
Course Name:	Web programming II		
Credit Value:	3		
Compulsory/Optional	Compulsory	Prerequisite: CTEC 21042	
Hourly Breakdown	Theory	Practical	Independent Learning
	30	45	75
Course Aim/Intended Learning Outcomes: At the end of this course module the student should be able to LO-1 develop skills in analyzing the effective and usable web sites. LO-2 create, design fully functioning Web sites by applying sound design principles and professional practices. LO-3 implement enterprise scale web sites using standard tools and techniques. LO-4 implement required server-side technologies to deliver any dynamic content. LO-5 enrich web pages with multimedia objects and tools.			
Course Content: (Main topics, Sub topics) 1. JavaScript JavaScript Introduction, Basics, Output, Variables, Operators, Arithmetic, Data Types, Assignment, Functions, Objects, Scope, Events, Strings and String Methods, Numbers and Number Methods, Dates, Forms (API and Validation), Objects, Functions, DOM, Browser BOM, Frameworks; Introduction to JQuery. 2. PHP/MYSQL PHP Introduction, Syntax and Programming Basics, PHP Forms and XML, PHP with Mysql databases, AJAX with PHP.			
Teaching /Learning Methods: A combination of lectures, tutorials and practical.			
Assessment Strategy: End of semester examination, practical and assignments			
Continuous Assessment 40%		Final Assessment 60%	
Details: quizzes %, mid-term %, other % (specify) Class test – 10% Project – 20% Assignments – 10%		Theory (%) 40%	Practical (%) 20%
		Other %)(specify) -	
References/Reading Materials: 1. Jennifer, N.R., (2018), Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics, 5 th edition, O'Reilly Media. 2. Jon, D., (2014), Interactive Front-End Web Development, 1 st edition, John Wiley & Sons. 3. Luke, W., Laura, T., (2016), PHP and MySQL Web Development, 5 th edition, Addison-Wesley Professional.			