



*S* - Strongly correlated, *M* - Moderately correlated, *Blank* - No correlation

<b>Assessment Methods:</b>	Assignment / Quiz / Seminar / Case Study / Mid-Test / End Exam
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### Teaching-Learning and Evaluation

Week	TOPIC / CONTENTS	Course Outcomes	Sample questions	TEACHING-LEARNING STRATEGY	Assessment Method & Schedule
1	Introduction to PERL and Scripting- Scripts and Programs, Origin of Scripting , Scripting Today	CO-1	1.Explain in detail about the origin of scripting languages?	<ul style="list-style-type: none"> <li>▫ Lecture</li> <li>▫ Demonstration</li> </ul>	Assignment
2	Characteristics of Scripting Languages, Web Scripting, and the universe of Scripting Languages	CO-1	1.Explain the Characteristics of scripting languages?	<ul style="list-style-type: none"> <li>▫ Lecture / Discussion</li> </ul>	Mid-Test 1
3	PERL- Names and Values, Variables, Scalar Expressions, Control Structures,	CO-2	1.Explain in detail about names and values of perl with examples? 2.explain the control structures of perl with examples?	<ul style="list-style-type: none"> <li>▫ Guest Lecture</li> </ul>	Assignment-1
4	arrays, list, hashes, strings, pattern and regular expressions	CO-3,CO-4	1.what is an array? Explain the functions of an array with examples? 2.explain in detail about list ,hashes with atleast two examples?	<ul style="list-style-type: none"> <li>▫ Lecture demonstration</li> </ul>	Assignment
5	subroutines, advance perl - finer points of looping, pack and unpack	CO-3	1.Explain pack and unpack in detail with example?		Mid -Test-1
6	File system, eval, data structures, packages, modules, objects, interfacing to the operating system, Creating Internet ware applications, Dirty Hands Internet Programming, security Issues	CO-3,CO-4	1.Explain the packages and modules? 2.Explain creating internet ware applications?	<ul style="list-style-type: none"> <li>▫ Discussion</li> </ul>	Mid Test-1
7	PHP Basics- Features, Embedding PHP Code in your Web pages, Outputting the data to the browser, Data types, Variables, Constants, expressions, string interpolation, control structures	CO-4	1.Explain the features of PHP? and explain the procedure of embedding PHP code in your web pages with a sample program?	<ul style="list-style-type: none"> <li>▫ Lecture</li> </ul>	Assignment
8	Data types, Variables, Constants, expressions, string interpolation, control structures		1.Explain the control structures of php with sample programs?	<ul style="list-style-type: none"> <li>▫ Lecture/discussion</li> </ul>	Mid Test -1

<b>9</b>	<b>Mid-Test 1</b>	CO-1,CO-2			
10	Function ,Creating a Function, Function Libraries ,Arrays ,strings and Regular Expressions.	CO-4	Explain function libraries of php?	▫ Discussion	Assignment
11	Advanced PHP Programming-Php and Web Forms, Files, PHP Authentication and Methodologies - Hard Coded, File Based, Database Based	CO-3	1.Explain briefly about PHP Authentication and methodologies.	▫ Lecture ▫ Discussion	Mid-Test 2
12	IP Based, Login Administration, Uploading Files with PHP, Sending Email using PHP.	CO-3	1.Explain the methods of uploading files with php?	Lecture	Seminar
13	PHP Encryption Functions, the Mcrypt package, Building Web sites for the World	CO-3	1.Explain in detail about PHP's Encryption function?explain the encrypting and decrypting data with mcrypt package ?		Assignment
14	TCL – Tk: TCL Structure, syntax, Variables and Data in TCL, Control Flow	CO-3	1.Descibe in detail about TCL structure and the syntax of TCL?		Mid Test-2
15	Data Structures, input/output, procedures , strings , patterns, files.	<u>CO-5</u>	1.Explain the data structures of tcl in detail with examples?		Assignment
16	Advance TCL- eval, source, exec and up level commands, Name spaces, trapping errors	CO-5	1.Explain in detail the name spaces of php with example?		Mid Test-2
17	event driven programs, making applications internet aware, Nuts and Bolts Internet Programming, Security Issues, C Interface	CO-5	1.Explain the event driven programs ?	▫ Discussion	Assignment
<b>18</b>	<b>Mid-Test 2</b>				
<b>19/20</b>	<b>END EXAM</b>				