

## Course: 501 : PHP & MySQL

Course Code	501
Course Title	PHP & MySQL
Credit	4
Teaching per Week	4 Hrs
Minimum weeks per Semester	15 (Including Class work, examination, preparation etc.)
Review / Revision	June 2016
Purpose of Course	To make students aware of Open Source Web Based Tools and Database
Course Objective	<ol style="list-style-type: none"> <li>1. To make students understand concepts of Open Source Web Based Dynamic Scripting Language</li> <li>2. To make students understand concepts of Open Source Database</li> </ol>
Pre-requisite	Basic knowledge of Scripting Language & HTML.
Course Out come	Ability to develop Web Based Applications
Course Content	<p><b>Unit 1. Introduction to PHP and writing PHP code</b></p> <ol style="list-style-type: none"> <li>1.1. Web Communication fundamentals               <ol style="list-style-type: none"> <li>1.1.1. Request-Response</li> <li>1.1.2. Client side Scripting</li> <li>1.1.3. Session management</li> </ol> </li> <li>1.2. Installation of PHP and MySQL</li> <li>1.3. PHP configuration in IIS &amp; Apache Web Server and features of PHP</li> <li>1.4. How PHP code is parsed</li> <li>1.5. Embedding PHP and HTML</li> <li>1.6. Executing PHP and viewing in Browser</li> <li>1.7. Data types</li> <li>1.8. Operators</li> <li>1.9. PHP variables: static and global variables</li> <li>1.10. Comments in PHP</li> <li>1.11. Introduction to Add-ons</li> </ol> <p><b>Unit 2. Control Structures</b></p> <ol style="list-style-type: none"> <li>2.1 Condition Statements               <ol style="list-style-type: none"> <li>2.1.1 If...Else</li> <li>2.1.2 Switch</li> <li>2.1.3 ? Operator</li> </ol> </li> <li>2.2 Loops               <ol style="list-style-type: none"> <li>2.2.1 While</li> <li>2.2.2 Break Statement</li> <li>2.2.3 Continue</li> <li>2.2.4 Do...While</li> <li>2.2.5 For</li> <li>2.2.6 For each</li> </ol> </li> <li>2.3 Exit, Die, Return</li> <li>2.4 Arrays in PHP</li> </ol> <p><b>Unit 3. Working with Data and Functions</b></p> <ol style="list-style-type: none"> <li>3.1. FORM element, INPUT elements</li> <li>3.2. Validating the user Input</li> <li>3.3. Passing variables between pages through GET, POST and REQUEST</li> <li>3.4. Built-in Functions               <ol style="list-style-type: none"> <li>3.4.1. String Functions: chr, ord, strtolower, strtoupper, strlen, ltrim, rtrim, substr, strcmp, strcasecmp, strpos, strrpos,</li> </ol> </li> </ol>

