**Techno India NJR Institute of Technology**

**Web Programming through PHP and HTML**

**Training Module**

**Total Time: 1 Month**

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| **Sr. No.** | **UNIT** | **Time [ Hours ]** |
|  | [**Unit 1: PHP Basics**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5497) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5498) |  |
|  | [Introduction to PHP](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5499) |  |
|  | [Support for Database](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5500) |  |
|  | [PHP Installation](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5501) |  |
|  | [Working with PHP](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5502) |  |
|  | [Why PHP?](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5503) |  |
|  | [PHP Statement Terminator and Case Insensitivity](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5504) |  |
|  | [Embedding PHP in HTML](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5505) |  |
|  | [Comments](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5506) |  |
|  | [Variables](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5507) |  |
|  | [Assigning value to a variable](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5508) |  |
|  | [Constants](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5509) |  |
|  | [Managing Variables](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5510) |  |
|  | [Datatypes](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5511) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5512) |  |
|  | [Self Assessment Quiz](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5513) |  |
|  | [Answers to Self Assessment Quiz](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5514) |  |
|  | [**Unit 2: PHP Basics**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5515) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5516) |  |
|  | [Operators](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5517) |  |
|  | Arithmetic |  |
|  | [Bitwise Operators](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5519) |  |
|  | [Comparison Operators](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5520) |  |
|  | [Logical Operators](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5521) |  |
|  | [Concatenation Operator](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5522) |  |
|  | [Increment and Decrement Operator](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5523) |  |
|  | [Operator Precedence](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5524) |  |
|  | [String Manipulation](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5525) |  |
|  | [Control Structures](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5526) |  |
|  | [if Statement](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5527) |  |
|  | [Loop Control Structures](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5528) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5529) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5530) |  |
|  | [**Unit 3: Functions in PHP**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5531) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5532) |  |
|  | [Functions](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5533) |  |
|  | [User Defined Function](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5534) |  |
|  | [Function Call](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5535) |  |
|  | [Call by value and References](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5536) |  |
|  | [Understanding variable scope](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5537) |  |
|  | [Global Keyword](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5538) |  |
|  | [Static Variables](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5539) |  |
|  | [Built-in Functions in PHP](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5540) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5541) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5542) |  |
|  | [**Unit 4: Arrays**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5543) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5544) |  |
|  | [Introduction to Array](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5545) |  |
|  | [Creating an Array](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5546) |  |
|  | [Modifying Elements of an Array](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5547) |  |
|  | [Finding the size of an Array](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5548) |  |
|  | [Iterating Array with Numeric Index](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5549) |  |
|  | [Converting String to an Array](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5550) |  |
|  | [Array Sorting](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5551) |  |
|  | [Multidimensional Array](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5552) |  |
|  | [Iterating Multidimensional Array](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5553) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5554) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5555) |  |
|  | [**Unit5: PHP File Handling**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5556) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5557) |  |
|  | [Introduction](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5558) |  |
|  | [File Open](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5559) |  |
|  | [File Creation](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5560) |  |
|  | [Writing to Files](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5561) |  |
|  | [Reading from FIles](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5562) |  |
|  | [Closing a file](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5563) |  |
|  | [Using PHP with HTML Forms](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5564) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5565) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5566) |  |
|  | [**Unit 6: Class and Object**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5567) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5568) |  |
|  | [Introduction](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5569) |  |
|  | [Object](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5570) |  |
|  | [Class](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5571) |  |
|  | [Defining Class in PHP](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5572) |  |
|  | [Object in PHP](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5573) |  |
|  | [Constructor](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5574) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5575) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5576) |  |
|  | [**Unit 7: Exception Handling**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5577) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5578) |  |
|  | [Introduction to Exception](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5579) |  |
|  | [Exception Handling Mechanism](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5580) |  |
|  | [Creating Custom Exceptions](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5581) |  |
|  | [Multiple Catch Blocks](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5582) |  |
|  | [Exception Propagation](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5583) |  |
|  | [Error Handling in PHP](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5584) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5585) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5586) |  |
|  | [**Unit 8: JavaScript**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5587) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5588) |  |
|  | [What is JavaScript?](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5589) |  |
|  | [HTML DOM](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5590) |  |
|  | [JavaScript Data type](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5591) |  |
|  | [Functions in JavaScript](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5592) |  |
|  | [Embedding JavaScript in HTML](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5593) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5594) |  |
|  | [**Chapter - 9 Form Handling**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5595) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5596) |  |
|  | [Introduction](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5597) |  |
|  | [Creating Forms in HTML](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5598) |  |
|  | [GET and POST](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5599) |  |
|  | [Accessing form data](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5600) |  |
|  | [File Upload](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5601) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5602) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5603) |  |
|  | [**Chapter – 10 Session Management**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5604) | **2 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5605) |  |
|  | [Introduction](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5606) |  |
|  | [Session Management](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5607) |  |
|  | [Starting a Session](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5608) |  |
|  | [Manipulating with Existing Session](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5609) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5610) |  |
|  | [Problems to Solve](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5611) |  |
|  | [**Chapter – 11 Database and MYSQL**](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5612) | **4 Hours** |
|  | [Learning Objectives](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5613) |  |
|  | [What is a Database?](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5614) |  |
|  | [MYSQL](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5615) |  |
|  | [SQL](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5616) |  |
|  | [SQL Functions](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5617) |  |
|  | [PHP and MYSQL](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5618) |  |
|  | [Execute Queries](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5619) |  |
|  | [Summary](http://technonjr.icos.in/lms/group/upeslms/course-117-web-programming/lessons/-/lessons/5620) |  |