

Techno India NJR Institute of Technology

Web Programming through PHP and HTML

Training Module

Total Time: 1 Month

Sr. No.	UNIT	Time [Hours]
1.	Unit 1: PHP Basics	2 Hours
a.	Learning Objectives	
b.	Introduction to PHP	
c.	Support for Database	
d.	PHP Installation	
e.	Working with PHP	
f.	Why PHP?	
g.	PHP Statement Terminator and Case Insensitivity	
h.	Embedding PHP in HTML	
i.	Comments	
j.	Variables	
k.	Assigning value to a variable	
l.	Constants	
m.	Managing Variables	
n.	Datatypes	
o.	Summary	

For Techno India NJR Institute of Technology
पंकज पुरवाल
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p.	Self Assessment Quiz	
q.	Answers to Self Assessment Quiz	
2.	Unit 2: PHP Basics	2 Hours
a.	Learning Objectives	
b.	Operators	
c.	Arithmetic	
d.	Bitwise Operators	
e.	Comparison Operators	
f.	Logical Operators	
g.	Concatenation Operator	
h.	Increment and Decrement Operator	
i.	Operator Precedence	
j.	String Manipulation	
k.	Control Structures	
l.	if Statement	
m.	Loop Control Structures	
n.	Problems to Solve	
o.	Summary	
3.	Unit 3: Functions in PHP	2 Hours
a.	Learning Objectives	
b.	Functions	
c.	User Defined Function	
d.	Function Call	

e.	Call by value and References	
f.	Understanding variable scope	
g.	Global Keyword	
h.	Static Variables	
i.	Built-in Functions in PHP	
j.	Summary	
k.	Problems to Solve	
4.	Unit 4: Arrays	2 Hours
a.	Learning Objectives	
b.	Introduction to Array	
c.	Creating an Array	
d.	Modifying Elements of an Array	
e.	Finding the size of an Array	
f.	Iterating Array with Numeric Index	
g.	Converting String to an Array	
h.	Array Sorting	
i.	Multidimensional Array	
j.	Iterating Multidimensional Array	
k.	Summary	
l.	Problems to Solve	
5.	Unit5: PHP File Handling	2 Hours
a.	Learning Objectives	
b.	Introduction	

c.	File Open	
d.	File Creation	
e.	Writing to Files	
f.	Reading from Files	
g.	Closing a file	
h.	Using PHP with HTML Forms	
i.	Summary	
j.	Problems to Solve	
6.	Unit 6: Class and Object	2 Hours
a.	Learning Objectives	
b.	Introduction	
c.	Object	
d.	Class	
e.	Defining Class in PHP	
f.	Object in PHP	
g.	Constructor	
h.	Summary	
i.	Problems to Solve	
7.	Unit 7: Exception Handling	2 Hours
a.	Learning Objectives	
b.	Introduction to Exception	
c.	Exception Handling Mechanism	
d.	Creating Custom Exceptions	
e.	Multiple Catch Blocks	

f.	Exception Propagation	
g.	Error Handling in PHP	
h.	Summary	
i.	Problems to Solve	
8.	Unit 8: JavaScript	2 Hours
a.	Learning Objectives	
b.	What is JavaScript?	
c.	HTML DOM	
d.	JavaScript Data type	
e.	Functions in JavaScript	
f.	Embedding JavaScript in HTML	
g.	Summary	
9.	Chapter - 9 Form Handling	2 Hours
a.	Learning Objectives	
b.	Introduction	
c.	Creating Forms in HTML	
d.	GET and POST	
e.	Accessing form data	
f.	File Upload	
g.	Summary	
h.	Problems to Solve	
10.	Chapter – 10 Session Management	2 Hours
a.	Learning Objectives	
b.	Introduction	

c.	Session Management	
d.	Starting a Session	
e.	Manipulating with Existing Session	
f.	Summary	
g.	Problems to Solve	
11.	Chapter – 11 Database and MYSQL	4 Hours
a.	Learning Objectives	
b.	What is a Database?	
c.	MYSQL	
d.	SQL	
e.	SQL Functions	
f.	PHP and MYSQL	
g.	Execute Queries	
h.	Summary	