



Baluja's Institute of Technology & Management

An ISO 9001:2000 Certified Institute
[-www.balujalabs.com](http://www.balujalabs.com)

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Training Details For

PHP

Cloud Computing

DURATION: 2.5 Months FEES: ₹ 7500/-

ADVANCED PHP

WITH LIVE PROJECT

-----BALUJA LABS PROPRIETARY-----

TABLE OF CONTENTS

1. INTRODUCTION

- 1.1 Purpose
- 1.2 Scope

2. BALUJA LABS

- 2.1 Overview
- 2.2 Software Training @ BALUJA LABS
 - 2.2.1 Ideology
 - 2.2.2 Methodology
 - 2.2.3 Domain
 - 2.2.4. Career Growth
 - 2.2.5. Placement Assistance

3. COURSE CONTENT

- 3.1 Modules Division
- 3.2 Modules
 - 3.2.1. PHP

4. COMPANY @BALUJALABS

1. INTRODUCTION

Purpose

This document outlines the details of the training / Internship provided by BALUJA LABS to the ambitious candidates who are willing to fill the gap between academic study and the actual understanding.

Scope

This document covers the company profile our ideology, focus and detail course contents for the training in the field of PHP used for developing Application software & Dynamic Online Web Project/ WebSites.

2. BALUJA LABS

2.1 Overview

Baluja Labs is a leading edge of Comprehensive IT/ITES Industry that provides customized services & solution to different industry verticals. The company has initiated its operation in Janakpuri in 2004 by a very Dynamic Team of Software Consultants, who are having rich experience of IT-Industry.

Since inception BALUJA LABS is focusing to achieve the business goals of their customers & partners through quality & timely delivered services & solutions our employee pool is empowered by process skilled, domain, experienced, professionals, who all are immensely Competitive in their domain area.

BALUJA LABS provides best possible well knitted services & process based solutions that can help out the business operation of our clients as competently and economical so that they can get upper hand in today's cut throat Competition.

Our business philosophy is to "Create Value through Competitive Business Solution". The Company endeavors to provide innovative business solution to different industry verticals at a very competitive rates through a rich Combination of processes, technology & Skilled Manpower.

Market we serve

We are delivering IT/ITES Product Process Project Based Services & Solutions to all emergent markets that include.

- Software Development.
- Website Development.
- Link Building.
- Search Engine Optimization.
- Internet Marketing.
- Software Testing

For more details of our clients & projects you can visit at www.balujalabs.com

2.2 Software Training @ BALUJA LABS

2.2.1 Ideology

Software Training division of BALUJA LABS was started with an aim to bridge the gap between the academics & industry. It empower fresh Graduates/Post Graduates (BE,BTECH, MTECH, BCA, BSC,

-----BALUJA LABS PROPRIOTARY-----

MSC, PGDCA, MCA) students with the Latest Technology understanding so that they can enter into the industry with more confidence.

Many students then feel that they can not perform well because they are not from premier institutes like IIT/NITS. They feel their selves less confident & more confused by the time they pass pre final year. Our Courses are specially designed to make those candidates understand that they are able to grasp up all kind of technologies.

In the training professionals from industry shares their key skills with there students and because of the properly designed Course Content, student understand the basic concept knowledge with more practical understanding.

2.2.2 Methodology

Balju Labs gives their trainees an office like environment where they learn through Hard Core Teaching Sessions, Presentations, Self Learning, Discussing Case Studies, Research work and prototype implementation. Students run the prototypes, do testing and verification with the help of Guide which gives their a read-time product like understanding.

2.2.3 Domain

Trainees get the training in following area:-

1. PHP
2. XML
3. Software Development Life Cycle (SDLC)
4. Project – Implementation\ Research\ Case study\ Prototyping.
5. S Q T (Software Quality Testing)

2.2.4 Career Growth

After getting the training the Candidate can perform much better and faster than the other fresh Candidates. They will understand the basic requirement in a much better way. As a result they can grow faster in industry.

2.2.5 Placement Assistance

Baluja Labs may provide the placement assistance to the candidates after the successful completion of training. They will specially get training for the interview for FREE with out any extra charges. Baluja Labs is taking responsibility of best training so that candidates can crack the interview & grow in an effective manner.

3 Course Content

3.1 Module Division

Baluja Labs offers a customized solution as per the need of the trainees. We believe that trainees can be from different backgrounds, Colleges, knowledge level, Interest level, domain interests and skill level. We take a interview to judge the level, interest area, time available and based upon that we offer the Course Modules. Based upon that the batches are formed and trainee will get the guidance in a normalized fashion.

-----BALUJA LABS PROPRIOTARY-----

1.0 Introduction

- How PHP works with the web Server
- How PHP works with the Web Server
- Hardware and Software requirements
- What a PHP script looks like
- Saving data for later
- Basic PHP syntax
- PHP data types
- Operators
- Variable manipulation
- Dynamic variables
- String in PHP

2.0 Control Structures

- The if statement
- Using the else clause with if statement
- The switch statement
- Using the ? operator
- The while statement
- The do while statement
- The for statement
- Breaking out of loops
- Nesting loops
- Summary

3.0 Functions

- What a function
- Defining a function
- Returning value from function
- User-defined functions
- Dynamic function calls
- Variable scope
- Accessing variable with the global statement
- Function calls with the static statement
- Setting default values for arguments
- Passing arguments to a function by value
- Passing arguments to a function by reference
- Testing for function existence **Arrays**
- Single-Dimensional Arrays
- Multidimensional Arrays
- Casting Arrays
- Associative arrays
- Accessing arrays
- Getting the size of an array

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- Looping through an array
- Looping through an associative array
- Examining arrays
- Joining arrays
- Sorting arrays
- Sorting an associative arrays

4.0 Working with Forms

- Forms
- Super global variables
- The server array
- A script to acquire user input
- Importing user input
- Accessing user input
- Combine HTML and PHP code
- Using hidden fields
- Redirecting the user
- File upload and scripts

5.0 The File System

- Creating and deleting a file
- Reading and writing text files
- Working with directories in PHP
- Checking for existence of file
- Determining file size
- Opening a file for writing, reading, or appending
- Writing Data to the file

6.0 Database My SQL

- Introduction to SQL
- Connecting to the MYSQL
- Selecting a database
- Finding out about errors
- Adding data to a table
- Acquiring the value
- Finding the number of rows
- Inserting data
- Entering and updating data
- Executing multiple queries

7.0 Classes And Objects

- Objects oriented programming
- Define a class
- An Object
- Creating an object
- Object properties
- Object methods

- Object constructors and destructors
- Class constants
- Class inheritance
- Abstract classes and methods
- Object serialization
- Checking for class and method existence
- Exceptions
- Iterators

8.0 Session

- What is session
- Starting a session
- Working with session variables
- Destroying session
- Passing session Ids
- Encoding and decoding session variables

9.0 Cookies

- The anatomy of a cookie
- Setting a cookie with PHP
- Deleting a cookie
- Creating session cookie
- Working with the query string
- Creating query string

10.0 Joomla (Content Management System and Web Application Framework)

- Detail discussion of component, module, mambots and complete workflow of Joomla
- How to create component & module in Joomla
- Customization of existing component and modules
- Overview of Joomla 1.5

11.0 Email

- File upload
- File download
- Environment variables
- E-mail in PHP

12.0 AJAX (Asynchronous JavaScript and XML)

- Introduction to AJAX
- Introduction to XML Http Request Object
- Method and Properties of XMLHttpRequest
- Application of AJAX in web application

13.0 WordPress

14.0 Cloud Computing

- Cloud Computing
- Cloud as Service