PHP / MYSQL: BASICS

OBJECTIVES
TARGET GROUP
TRAINING METHOD
COURSE DURATION
COURSE BREAKDOWN

PHP / MYSQL: ADVANCED

OBJECTIVES
TARGET GROUP
TRAINING METHOD
COURSE DURATION
COURSE BREAKDOWN

FEE STRUCTURE

SCHOLARSHIP/GRANT

HOW TO APPLY
PHP / MYSQL: BASICS

OBJECTIVES

- Provide a basic understanding of programming in PHP
- Learn how to use MySQL as a database system
- Learn to build applications integrating PHP/MySQL
- Gain an overall understanding of building simple applications using PHP/MySQL

TARGET GROUP

- Fresh graduates willing to learn how to program in PHP/MySQL
- Working professionals who want gain an understanding of applications built using this particular technology

TRAINING METHOD

- Self-study materials
- Assignments
- For each module, a minimum of 60% will be covered in the lab and remaining portion will be shared in the class.

COURSE DURATION

- 3 weeks (30 hours)
COURSE BREAKDOWN

PART 1: UNDERSTANDING THE PHP/MYSQL BASICS

- How PHP works
- The PHP.ini file
- Basic PHP syntax
  - PHP tags
  - PHP Statements and Whitespaces
  - Comments
  - PHP functions
  - Hello Worlds
  - Variables
    - Variable types
    - Variable Names
    - Constant
  - PHP Operators
    - Single quote vs. Double quotes
  - Flow Controls
    - If statements
    - For loop
    - While loop
    - Case statement

PART 2: REUSING CODE AND WRITING FUNCTIONS

- Including files and Writing functions
  - Require
  - Require_once
  - Include
- User functions
  - Defining and calling functions

PART 3: INTRODUCTION TO DATABASE

- Basic difference between database and file system
- Introduction of MySQL
- Connection mechanism using PHP with MySQL
- Create table, select, insert, update, and delete command.
- Making form with JQuery validation and inserting in table
- Displaying all rows of table and disable in HTML table format
- Edit records using HTML form
- Delete records
PART 4: ARRAYS

- Single-Dimensional Arrays
- Multidimensional Arrays
- Casting Arrays
- Associative arrays
- Accessing arrays
- Getting the size of an array
- Looping through an array
- Looping through an associative array
- Examining array
- Joining arrays
- Sorting arrays
- Working Examples (Lab)

DISCLAIMER

Please note that Deerwalk Institute of Technology reserves the right to change the course syllabus of DWIT Training - PHP / MySQL BASIC course at any time without prior notification.

PHP / MYSQL: ADVANCED

OBJECTIVES

- Provide a basic understanding of programming in PHP
- Learn how to use MySQL as a database system
- Learn to built applications integrating PHP/MySQL
- Gain an overall understanding of building simple applications using PHP/MySQL

TARGET GROUP

- Fresh graduates willing to learn how to program in PHP/MySQL
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TRAINING METHOD

- Self-study materials
- Assignments
- For each module, a minimum of 60% will be covered in the lab and remaining portion will be shared in the class.
COURSE DURATION

- 5 weeks (50 hours)

COURSE BREAKDOWN

PART 1: FUNCTIONS

- What is a function
- Defining a function
- Returning value from function
- User-defined functions
- 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
- Working Example(Lab)

PART 2: WORKING WITH 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
- Reading characters
- Working Example
PART 3: COMPLEX FORM PROCESSING

- 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
- PHP mail functions
- Form Security method and process.
- Working Example(Lab)

PART 4: WORKING WITH REGULAR EXPRESSIONS

- The basic regular expressions
- Matching patterns
- Finding matches
- Replace patterns
- Working Example(Lab)

PART 5: 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
- Summary
- Working Example(Lab)
PART 6: 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
- Working Examples(Lab)

PART 7: SESSION

- What is session
- Starting a session
- Working with session variables
- Destroying session
- Passing session Ids
- Encoding and decoding session variables
- Working Example(Lab)

PART 8: SIMPLE JQUERY AJAX MODULE

- Posting the form using Ajax I.e. without refreshing page.
- Changing content using Ajax.
- Form Validation
- Captcha Validation in forms(To prevent junk message from form)
- Working Examples(Lab)

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FEES STRUCTURE

- Basic Level: NPR 4,500
- Advance Level: NPR 6,500

Note: Must be paid at the time of enrollment.

SCHOLARSHIP/GRANT

- Full/partial scholarships will be granted to deserving candidates based on the scores obtained in enrollment test.

HOW TO APPLY

- Please email your resume with application letter to trainee@dwit.edu.np.
- Selected candidates must pass the placement test and an interview.