



TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC ACCREDITED GRADE "A" INSTITUTE

Approved by AICTE, Ministry of HRD, Govt. of India Affiliated To GGSIP University
Recognized under Sec 2(f) of UGC ACT 1956

INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI- 110085

Tel: 91-11-27555121-24, E-Mail: directortias@tecnia.in; Website: www.tiaspg.tecnia.in



Event Category	: Seminar
Topic	: PHP
Date	: 28 th September 2018,
Time	: 11:30
Venue	: MCA Lab (PG Block, First Floor)
Resource Person	: Mr.Vivek Singh, Corporate Trainer (Aprtron Pvt.Ltd.)
Beneficiaries	: MCA1 st , MCA 3 rd and MCA 5 th Sem
Faculty Coordinator	: Dr.Jitender Rai, Associate Professor

Objectives:

1. To understand the basic concepts and technique to developing PHP based applications.
2. To understand the Use of MVC pattern to organize code
3. Work with regular expressions, handle exceptions, and validate data.
4. Gain the PHP programming skills needed to successfully build interactive, data-driven sites.



Mr.Vivek Singh, Corporate Trainer, Aprtron Pvt.Ltd. Noida,
Addressing the Audience



Students & Faculty Members Attending the Workshop

Report:

Tecnia Institute of Advanced Studies organized a seminar on 28th September 2018 at MCA LAB (PG Block, First Floor), by Corporate Trainer Mr. Vivek Singh, Aprtron Private Limited, Noida for MCA1st ,MCA 3rd and MCA 5th Semesters. The seminar was divided into following modules:

Module 1: Introduction to PHP: (30 Mins)

- History of PHP
- PHP is better than its alternatives.
- Create a basic PHP Script How PHP scripts works.
- Taking user input (HTML forms)
- Variables and Expressions in PHP Data Types
- Creating Variables, Variable assignment, Variable Scope
- User-defined Constants HTTP environment variables Variable References



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- PHP Operators Arithmetic ,Operators Logical Operators
- Ternary Operators
- Assignment Operators ,Comparison Operators, Operator Precedence
- Conditional Tests and Events in PHP
- The If statement, Using the else clause with if statement else and else if
- The ? : Operator Comparing for equality or identity
- The switch / case statement Alternative Syntax for Control Structures
- PHP Flow Control
- Loops, while ,do -While Loop
- Nesting loop break and continue exit

Module 2: Array and Functions in PHP (30 Mins)

- What is array in php,Types of Array?
- Index Array Associative Array.
- PHP Functions
- What is function in PHP Declaring a function?
- Returning value form function.
- User defines function. Built-in functions
- Functions Arguments Default Arguments
- Arguments - Call by Reference Return
- Returning References Variable Scope (global vs local)
- Taking User Input from Forms via PHP
- Creating forms with PHP Security Protection from Cross Site Scripting Using the form GET method
- Using the form POST method REQUEST Method.
- Obtaining data from forms through variables Using hidden fields
- Calling pages from themselves using Forms File Upload in php File Download in php Email in php

Module 3: Introduction to Validation in PHP :(30 Mins)

- Form Validation
- Server Side validation(Using PHP) Client side validation(Using Java Script)
- String Manipulation in PHP String function with example. Formatting output data
- Working With Regular Expression The basic regular expression Matching Patterns Finding Matches Replace Patterns
- Object Orientation in PHP Object basics Classes in PHP PHP4 - constructors PHP5 - constructors and destructors Inheritance

Module 4: Develop Project on PHP based application (30 Mins)



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- Handling Email with PHP Sending email Sending multi part email – MIME
- Graphics in PHP Graphics basics,
- referencing a PHP script in an IMG tag Basic examples, line/box drawing
- Creation from an existing image
- Image copying and resizing Drawing text on images
- Examples

Future, Scope & Career in PHP Based Applications Development

Mr. Vivek Singh successfully elaborated each of the four modules with practical orientations. He also made students acquainted with the prospects of PHP based applications development in the IT sector. At the end, he resolved the students' queries to their satisfaction level.

LEARNING OUTCOME:

After successful completion of this seminar, students will be able to:

1. Write PHP scripts to handle HTML forms.
2. Write regular expressions including modifiers, operators, and metacharacters.
3. Create PHP programs that use various PHP library functions, and that manipulate files and directories.
4. Analyze and solve various data validations task tasks using the PHP language.
5. Analyze and solve common Web application tasks by writing PHP programs.



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