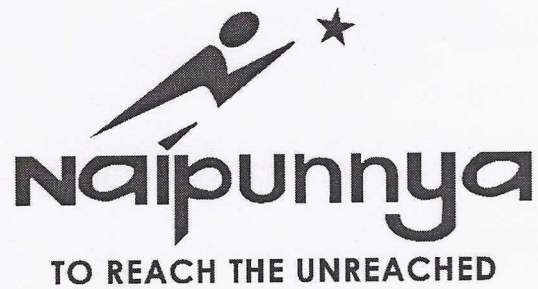
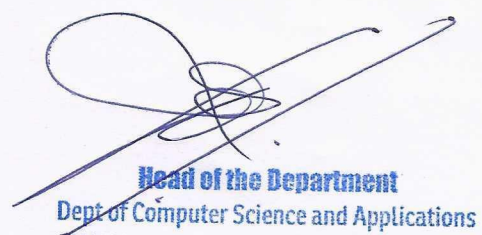


Naipunnaya School of Management Cherthala



Department of Computer Science and Applications

ADD-CSA-03: Dynamic Programming with PHP



Head of the Department
Dept of Computer Science and Applications
NAIPUNNYA SCHOOL OF MANAGEMENT
CHERTHALA

Aim

- To expose students to technology of web sites and to introduce various tools and languages required for technical and creative design of state-of-the-art web sites

Course Objective

- Understand how server-side programming works on the web.
- PHP Basic syntax for variable types and calculations.
- Creating conditional structures
- Storing data in arrays
- Using PHP built-in functions and creating custom functions
- Understanding POST and GET in form submission.
- How to receive and process form submission data.
- Security tips (i.e. SQL Injection)
- Create a database in phpMyAdmin.
- Read and process data in a MySQL database.

Syllabus

Module1: PHP Basics: - Setting up a development environment, Variables, numbers and strings, Calculations with PHP, Using Arrays. Control Structures and Loops: - Conditional Statements, Using Loops for Repetitive tasks, Combing Loops and Arrays.

Module 2: Functions, Objects and Errors: - PHP's Built-in functions, Creating Custom functions, Passing Values by Reference, Understanding Objects, Server-side includes

Module 4: Working with Forms: - Building a Form, processing a Form's Data, Differences between POST and GET, Preserving User Input. More with Forms: - Dealing with checkboxes and radio buttons, retrieving values from lists, Validating and restricting data, Sending Email.

Module 5: Storing and Protecting Data: - Setting and Reading Cookies, Protecting Online Files, Understanding Session Variables. MySQL Database Overview: - phpMyAdmin Overview, Using a MySQL Database, Reading and Writing Data.

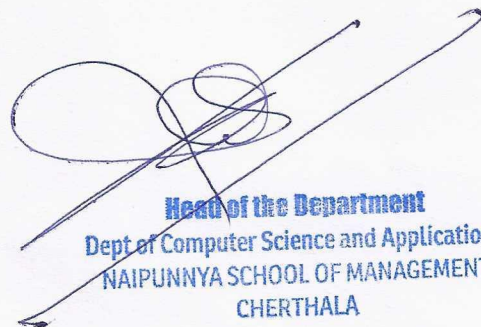
Course Outcome

- Analyze PHP scripts and determine their behavior.

- Construct PHP scripts to create dynamic web content.
- Create PHP scripts capable of inserting and modifying data in a MySQL database.
- Design web pages with the ability to retrieve and present data from a MySQL database.

References

1. The Joy of PHP Programming: A Beginner's Guide – by Alan Forbes
2. Head First PHP & MySQL – by Lynn Beighley & Michael Morrison
3. PHP: A Beginner's Guide – by Vikram Vaswani
4. Murach's PHP & MySQL – by Joel Murach & Ray Harris



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