Syllabus of CCWP-PHP

Objective: This course is designed to impart software development training programme IT aspirants. After completing the course the incumbent is able to do the software development using object oriented methodologies and various programming languages. This course is more practical oriented. After completion of course the candidates will be able to get employment as Software Developer and Programmer in IT industries. It consists of following four modules:

Module 1	Programming in PHP and MySQL
Module 2	DBMS Packages

Module 1 : Linux & PHP

1. **Introduction to Linux**
   Development of Linux, Various Distribution of Linux, Linux System Concepts- Directory Structure and File Structure, System Requirement, Different types of Installation process - CD ROM, Network and quick Start, Disk Partitioning Auto and Manual, Different types of Linux Installation - Server, Workstation and Customs, Boot Loader, Booting: LILO / GRUB Configuration, Run Level, Initialization Script, Devices Initialization and their Access, Shut Down Procedures.

2. **Linux Commands and Shell Programming**
   Concepts of Processes, Commonly used user Commands, Editors, Environment Variables, Time and Date, User Information, Host Information, Terminals, The termios structure, Various Shells and Shell Programming, Variables, Condition, Control structure, Function, Command , Graphical utility

3. **PHP Basics**
   Understanding PHP, PHP Basic syntax, Ending data, HTML and white space, Writing comments Using variables, Using strings, Using numbers, Using constants.

4. **Programming with PHP**
   Creating HTML forms, Handling HTML forms, Managing magic quotes, Using conditionals and operators, Validating form data, Using arrays, Creating and accessing arrays, Multidimensional arrays, Arrays and strings, Sorting arrays, For and While loops, functions.

5. **Creating Dynamic Web Sites**
   PHP Forms(_Get,_Post), Including multiple files, Using PHP redux ,Making sticky formsCreating your own functions, Creating a function that takes arguments, Setting default argument values, Returning values from a function, Variable scope, Date and time functions.

6. **Error Handling and Debugging**
   General error types and debugging, Debugging HTML, Displaying PHP errors, Adjusting PHP error reporting, Creating custom error handlers, Logging PHP errors, PHP debugging techniques, SQL and MySQL debugging techniques.

7. **Using PHP with MySQL**
   Modifying the template, Connecting to MySQL and selecting the database, Executing simple queries, Retrieving query results, Ensuring secure SQL, Counting returned records, Updating records with PHP.