



## Masters of Computers LAMP Course ( MC\_LAMP)

Fees : 5600 Rs

Duration: 50 Days

Batch Slots : 2 Batches Per week

Regular Batch : 4 days Per week ( 2 Hrs per day ).

Weekend Batch : 4 Hours Per Sat and Per Sunday .

Course Accessories Included :

- Total 2 Books By Industry Author on MCM Linux Subject
- Linux OS Cd's
- 2 Exam Paper Set

# **LINUX PROGRAMMING [401]**

## **1. *LINUX OPERATING SYSTEMS***

Linux Operating System Concepts and Architecture  
Overview of the Linux Kernel, User Space, Kernel Space,  
Processes and Daemons, Process Control  
Overview of Linux Administration  
Linux File system, User, Group and Resource Management  
Configuration Files Overview  
File system Permissions, Access Permissions and Security.  
Common File system Commands.  
Recursion Option in Commands , Find, Grep, Cat,  
More, Less and Sort Commands.

Installation, Partitioning and Disk Management, Disk Naming,  
Planning the Disk Partitioning Scheme, Disk Management Practices,

Installing and selecting Software, Selecting Services for startup,  
Configuration  
Utilities, Updating Software and Package Management  
System startup, Shutdown and Reboot  
System Boot Process Run levels, Red and init.d Directories,  
Startup Scripts, PS Command Options, Top, and Nice/renice  
Inetd Xinetd Super daemon, Restarting Services After Configuration  
Changes  
Terminating Process, Init Command, Shutdown Command

Data Backup, Restore and Disaster Recovery  
Backup Considerations, Backup Types, Backup Utilities and Methods  
Scripting Backup, Restoring Data, Booting with Rescue Disk.

## **2. APACHE WEB SERVER**

Linux distribution Apache Installation  
Starting and stopping Web Server  
Apache Configuration files  
Apache Directives

Server Configuration  
Directory level configuration : ht access and <Directory>  
Access Control  
URL Pathnames  
MIME types  
CGI Files  
Automatic directory Indexing

Authentication  
Log files  
Virtual Hosting  
IP Address Virtual Host

## ***PHP Language Core***

Variables, Constants and Data Types, and Operators  
Decision Making, Flow Control and Loops  
Arrays and Array Operations, Two-Dimensional and Multi-dimensional Arrays, Strings and String Operations  
Functions, Function Declaration and Parameter Passing  
Outputting Data Include and Require Statements  
File and Directory Access Operations.  
Error Handling and Reporting Considerations

Processing HTML, form Input from the User  
Creating a Dynamic HTML Form with PHP  
Login and Authenticating Users  
Using GET , POST, SESSION, and COOKIE variables  
Session management and Variables  
Working with Cookies, Sending Email.  
Object-oriented PHP: Classes and Constructors

Database operations with PHP  
Built in Database Functions, Connecting to MySQL Database  
Selecting a Database, Building and Sending the Query to Database Engine, Retrieving Results Retrieving, Updating and Inserting Data  
Sample Database Routines and Code Segments, Logging Database Operations for Troubleshooting