![CBitss logo](Information, Experience, Knowledge.)

CBitss
Information, Experience, Knowledge.

ISO 9001:2015 CERTIFIED COMPANY

Web Development

Home Page   Home Page

www
HTML5
CSS3
js
Cloud
XML
PHP

99-88-74-1983

0172-503-1983

Sukrala
IT Services Pvt. Ltd.

Unit-1

WebDevelopment
with PHP

HTML5 - Table of contents

- Introduction to Web Technology
- Introduction to HTML
- Elements and Tags
- Attributes
- Elements (Advanced)
- Images
- Tables (Detailed)
- Links (All types))
- Video and Audio
- Forms
- Uploading pages
  - Web Standards and validation
    - Tips & Tricks

1

CSS & CSS3

- Introduction of CSS & CSS3
- Way of using CSS (Inline, Internal & External)
- Working of CSS
- Identification and Grouping of Selectors (class and id)
- The Box Model - Backgrounds
- The Box Model - Margin & Padding
- The Box Model - borders
- Floating Elements
- Positioning of Elements
- Layer on Layer with Z-index
- CSS3 Selectors
- Border Radius with CSS3
- Box Shadow with CSS3
- Text Shadow with CSS3
- Transition with CSS3
- Transform with CSS3
- Gradient with CSS3
- Animation with CSS3

2

JavaScript

- Introduction to JavaScript
- Conditional Constructs in JavaScript
- Looping statement in JavaScript
- Working with Predefined functions
- Maintaining Validations in JavaScript
- Working with Different types of Mouse Events
- Miscellaneous

3

Unit-2

Web Development
with PHP

Introduction to PHP

- What is PHP
- How PHP Better than other language
- Server / Client Environment
- Types of Web Browser and Web Server
- Server side V/s Client side scripting
- Difference between PHP4.0, PHP5.0 and PHP6.0
- Introduction to WAMP, XAMP, LAMP, MAMP
- Installation and Configuration Files
- How to install PHP on Linux

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Development Concept

- How PHP Script work
- PHP Syntax and Tags
- Write your First PHP Program
- Embed PHP in HTML / HTML in PHP
- Creating Web Development Environment
- Comments in PHP
- Variable in PHP
- Storing data in Variables
- Creating Contants
- Operator in PHP {Math, Increment/Decrement, Bitwise, Execution, String, Ternary}

5

Control Structure

- IF Statement
- If else Statement
- If elseif else Statement
- Nested IF Statement

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Looping Structure

- For Loop
- While Loop
- Do While Loop
- For Each Loop
- Break and Continue statement with loop

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Unit-3

WebDevelopment
with PHP

Array

- What is array
- Syntax of Array
- Associative Array
- Numeric Array
- Multi-Dimensional Array
- Enumerated Arrays
- Array Iteration
- User define index array
- Casting array
- Looping in array (While, Foreach, For)
- Extract data from array
- Manipulate Array
- Looping with index based array
- Looping with associative array using foreach
- Array to String and String to Array

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Functions

- What is function?
- Why functions are useful
- Syntax of Function
- Calling function
- User Defined Function
- System Defined Function
- Parameterized Function
- Non Parameterize Function
- Date and Time Function
- Hash Function
- Call by value and call by
- Variable scope
- Static function
- File inclusion
- Include()
- Require()
- HTTP Header
- Passing Argument in function
- Returning data from function
- Dynamic parameter in function

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String Handling

- Creating and accessing string
- String Position
- String Replace
- String Capitalization
- String Length
- String Explode
- String Implode

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Unit-4

Web Development
with PHP

File Handling

- Opening files Creating and deleting file.
- Reading, Writing, Closing file
- Using dynamic Content and JSP and Servlets
- Appending, Uploading and Truncate file
- Basic regular expression
- Matching Patterns
- Finding matches and Replace match

11

Working with Date and Time

- Understanding Timestamp
- Getting the current Date and Time
- Creating our own Timestamps
- Format Date String
- Checking Date Values
- Working with file directories
- Date time: The future of PHP Date/Time

12

PHP Sending Emails

- PHP Sending Emails

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OOPS CONCEPTS

- What is object-oriented programming?
- Advantages of OOP
- Understanding basic OOP concepts
- Class and Object
- Access Modifier
- Encapsulation and abstraction
- Inheritance
- Polymorphism
- Abstract class
  - Function overriding
  - Function overloading
  - Properties of Object

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State Management

- Cookies
  - Syntax of Cookies
  - Creating Cookies
  - Retrieving Fresh Cookies
  - Destroying Cookies

- Session
  - Syntax of Session
  - Creating Session
  - Retrieving Fresh Session
  - Destroying Session

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Unit-5

Web Development
with PHP

Introduction to MYSQL

- What is Database?
- Understanding an RDBMS
- Understanding Tables, Record & Field
- SQL Language

16

MySQL Function In PHP

- Database Connections
- Managing DatabaseConnections
- PerformingQueries
- Closing Connection

18

Woking with MYSQL Admin

- Working with PHPMyAdmin
- TypesData Type
- Creating Database &Tables
- DroppingDatabase & Tables
- Adding Fields
- Selecting Table
- Alerting FieldsProperties

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SQL Queries

- Create Database &Table
- DropDatabase & Table
- Insert Record
- Select Record5.DeletingRecord
- ModfyingRecord
- WHEREClause
- UsingOperator
- SortingRecords
- Eliminating Duplicates
- Grouping Records, HavingClause
- Joinging Tables
- Subqueries
- Using Table And Column Aliase

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Unit-6

Web Development
with PHP

Reading Data in Web Pages

- Setting Web pages to communicate with PHP
- Handling Text Field
- Text Area
- Check box
- Password
- Radio
  - List

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Web Services

- SOAP
- REST
- JSON
- XML

21

Generation Images With PHP

- Basics of computer Graphics
- Creating Image
- Manipulating Image
  - Using text in Image

22

Network Programming

- What is Socket Programming?
- How to use Socket in PHP?

23

Java Query

- Need and purpose of jQuery
- Downloading and using jQuery
- Manipulating HTML CSS, Attribute, Type and ID selector using jQuery4. Accessing and manipulating
- Using jQuery plugins in HTML pages
- Using jQuery sliders and photo gallaries

25

AJAX

- AJAX motivation
- The basic Ajax process
- Using dynamic Content and JSP and Servle
- Sending GET and POST data
- Displaying HTML Results
  - Parsing and displaying XML result
  - Toolkit

24

Unit-7   CMS WordPress

WordPress Introduction

- Understanding and Using domain names
- WordPress Hosting Options
- Installing WordPress on a Dedicated Server
- Understanding Directory Permissions

26

Basics of the WordPress User Interface

- Understanding the WordPress Dashboard
- Pages, Tags, Media and Content Administration
- Core WordPress Settings

27

Finding and Using WordPress Plugins

- Finding and Installing Plugins Quickly and Easily
- Upgrading WordPress Plugins
  - Recommended WordPress Plugins

28

Working with WordPress Themes

- Understanding the Structure of WordPress Themes
- Finding Themes and Choosing the Right One
- Installing and Configuring Themes
- Editing and Customizing Themes
- Using Theme Frameworks and Parent-Child Themes
- Theme Best Practices

29

WordPress Content Management

- Understanding Posts Versus Pages
- Organizing Posts with Categories
- Connecting Posts Together with Tags
- String CapitalCustom Post Types and Custom Taxonomies ization
  - Managing Lists of Links

30

Creating and Managing Content

- Hands-On Training on the WordPress Editors
- Hands-On Training on the New Image Editor

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Unit-8

FRAMEWORK
CAKE PHP

Introduction to CakePHP

- Understanding the MVC Pattern Models
- How MVC works?
- Configuration CakePHP
- Setting up CakePHP with apache Environment eg. Enable mod_rewrite
- Configuration CakePHP to work with database
- Running Cake for the first time
- Cake Convention: Naming convention for MVC and database tables

32

Creating up model for a database table

- Fetching data
- Saving and updating data
- Deleting data
- User defined function in model
- Data Validation

33

Creating Views

- Working with configuration layout
- Creating custom layout
- Element and helpers

34

Creating controller

- Controller function
- Interacting with model
- Interacting with views
- Controller variables and parameters
- Redirection
- Getting post data

35

Cake session

- Storing data in cake session
- Reading a session data
- Delete data from session

36
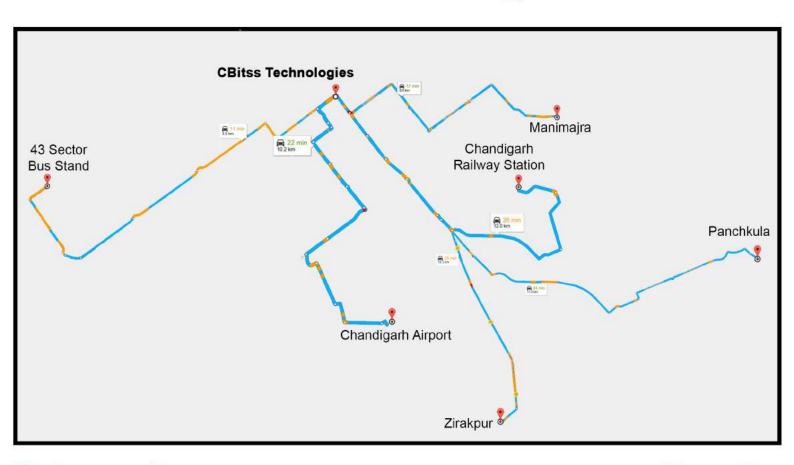
Ethical Hacking

PHP,Mysql,CMS

Linux system/network Admin, shell scripting SEO/SEM/PPC Job oriented training programs

Every module is with Live Project (URL Based) Android technology Web Designing

N+,MCITP,CCNA/P DOT Net (ASP, C#) Synopsis & Project report for every module

Assure job placement for 6 months industrial training JAVA (core & advance) Web Hosting

Road Map

Map labels: CBitss Technologies, 43 Sector Bus Stand, Manimajra, Chandigarh Railway Station, Panchkula, Chandigarh Airport, Zirakpur

Distance From:

Chandigarh Busstand (43 sec)	= 3.5 Km
Chandigarh Railway	= 12.0 Km
Chandigarh Airport	= 10.2 Km
Zirakpur	= 11.5 Km
Punchkula	= 11.5 Km

Near By:

Piccadilly Square =	100 m
Passport Office =	50 m
BSNL Exchange =	70 m
Inscol Hospital =	20 m
Domino's Pizza =	20 m

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