

One Last Move ...
Assured Career Change...



CEGONSOFTTM PVT.LTD.,
...Innovation every moment

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FINISHING TOUCH PROGRAM

FTP

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RIA - Rich Internet Application

HTML

Introduction to WWW
 What is HTML?
 Internationalization & Accessibility
 Character encoding & References
 Document Structure
 Meta Tag & Heading Elements
 DIV, SPAN & ADDRESS
 Text Direction
 INS & DEL Tags
 Lists & Items
 Constructing Tables
 Table directionality
 Borders & Alignment
 Links & Anchors
 Images & Image Maps
 Floating Objects & Formatting
 Fonts with Styles
 Layout design with Frame
 Form control & Types
 Elements & Attributes
 Structuring with Fieldset
 Access key & Tab Index
 Disabled and ReadOnly Controls
 Index of Elements
 Index of Attributes

CSS

Introduction to CSS
 Containment in HTML
 Grouping & Inheritance
 Class as selector
 ID & Contextual selectors
 Comments
 Pseudo-classes and pseudo-elements
 Cascading order
 Formatting model
 List-item elements
 Floating & Inline elements
 Notation for Property values
 Font Properties
 Color & background Properties
 Text Properties
 Box Properties
 Classification Properties
 Units & URL

JAVA Script

JavaScript Introduction
 What is JavaScript?
 JavaScript in HTML
 JavaScript Statement
 Write & Writeln
 Values & Variables

Literals & comments
 Expressions in JavaScript
 Operators
 Conditional Statements
 Loop Statements
 Object manipulation Statements
 Working with Build-in Objects
 Array & Boolean Objects
 Math & Date Objects
 String & Number Objects
 Working with Build-in Functions
 isNaN() Function
 parseInt() & parseFloat() function
 Exception Handling
 Popup Boxes
 JavaScript Event Handler
 Timing Events
 Status Bar and Roll Over
 Object Model
 Functions in JavaScript
 Navigator Object Hierarchy
 JavaScript Reflection
 Window & Frame Object
 Document & Form Object
 Location & History Object
 Working with windows & frames
 Working with MIME types
 Playing Sounds

DOM

Basics of DOM
 DOM hierarchy
 DOM Methods
 Functions
 Forms Collection
 Table collections
 InnerHTML
 Nodes & ChildNodes
 DOM with HTML & CSS

Web-site Design

Basics of Web design
 What makes good
 How to plan
 Design and Layout
 Creating pages

PHP

Introduction to Web Application
 Introduction to PHP
 Language Reference
 Basic syntax
 Data Types
 Variables
 Constants

Expressions
 Operators
 Control Structure
 Arrays & Functions
 PHP with HTML
 Include & Require
 String Manipulation
 Session Management
 Working on Dates
 File Management
 File Uploading
 FileSystem Security
 Database Security
 Classes and Objects
 Namespaces
 Exceptions

MySQL

MySQL Introduction
 Database Manipulation
 Creation & Removal of tables
 DML processing
 Aggregate functions
 MySQL Date
 MySQL Time
 MySQL Index

ADVANCED CONCEPTS

Using Paging
 Backup MySQL Database
 Uploading Files to MySQL
 Content Management System
 PHP XML
 Basics of XML
 Parsers
 Using Expat Parser
 Using DOM Parser
 Using Simple XML
 Using AJAX
 Basics of AJAX
 XMLHttpRequest Object
 Asynchronous communication
 Updating the response
 AJAX PHP
 AJAX XML
 AJAX MySQL

Exposure to :

- Adobe Photoshop
- Dreamweaver
- Flash MX
- ▶ Experiencing CMS **Joomla**
- ▶ Experimenting TE - **Smarty**

Dot Net

C, C++ Brush Up

VB .Net

Overview of MS.Net

The .NET Framework
Framework Architecture
Types of Application
.Net Languages
The Common Language Runtime
Base Class Libraries, Assemblies

Features

The Common Language Runtime
JIT Compilation
Advantages over other languages
Memory Management
Managed Code
CTS and CLS
Language differences and new features

ASP .Net

Creating Web Form

Introducing ASP.Net
ASP vs. ASP.Net
Client Server communication
Three-Tier architecture
ASP.Net namespaces
ASP.Net Objects

State management & Web.config

Client Side
Server Side
Web Configuration file
Global file

C#.Net

Language and Syntax Enhancements
Building Console Applications
Classes, Methods, properties,
Access modifiers
Inheritance, Interfaces, Polymorphism
Delegates, Multi Threading, Arrays
Boxing and UnBoxing
Assemblies, Class Libraries
Reflection

Web form designing

HTML Controls
Server Controls
Validation Controls
Web Forms
Master Pages
Java Script & CSS

User controls & Custom Controls

Building controls
Use of Controls

Template Controls

Data Grid
Grid View
Data List
Repeater

Security

Introduction to Web Security &
Authentications
Security Considerations
Relationship between IIS and ASP.NET
Authentication Methods
Authorization & Impersonation
Code Access Security

File Handling

Files and directories
Uploading & Downloading files
Sending & receiving mails

Server Setup and Configuration

Server Setup and Configuration
Creating Virtual Directory
Deploying the Application
Testing the URL

RDBMS Design and Administration

Database Design
Defining RDBMS concepts
Mapping real-world object to
databases and tables
Determining appropriate table schemas
Normalizing database tables for
optimal data management

Database Administration

Identifying different SQL data types
Building and altering tables
Building Relationships
Adding indexes to tables for best
performance
Creating user accounts
Allocating user privileges with
GRANT and REVOKE

ANSI SQL DB Programming

SQL Programming
Adding and removing rows with
INSERT and DELETE
Modifying existing data with UPDATE

Retrieving data from tables using
joins & GROUP
Building stored procedures and
employing triggers
Creating user variables
Building user-defined functions
Writing stored procedures
Passing data to and from stored procedures

ADO.NET

Introducing ActiveX controls and Objects
ADO.NET Architecture
Namespaces used
Data Access Styles & Data Binding
Connection and command Interface
Data Reader Interface
DataSet, Data table, Data Grid
Errors and Exceptions

Using a Data Source

Using a Data Source in a Windows & Web Application

Data Connectivity for Windows
Applications & Web Applications
Passing Data to and From Stored Procedure
Using a Data Source in a Data Grids
OLEDB Connectivity

Data Presentation

Introduction to Reports
Introduction to Crystal Engine
Creation of Crystal Report Format
Crystal reports integration with
Web & Windows Applications
Discussion on Data Handling and Reports

SOFTWARE TESTING

- Manual & Automation Testing
- Winrunner
- QTP - Quick Test Professional

Finishing Touch Program

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