



**Course Details and Training Modules**





- Overview of .Net
- .Net Framework Basics
- Basics of VB.Net
  - Data Types, Variables, & Constants
  - Decision Making & Branching
  - Decision Making & Looping
  - Arrays
- Procedures
  - Procedure Polymorphism
  - Procedures with Default Arguments
  - Constructors
- Structures & Enumerations
- Classes & Objects
- Inheritance
- Abstraction
- Event Handling Model
  - Basic Controls
- Windows Form Development
- Exception Handling
- File Management
- Working with Databases (ADO.Net)
- Windows Services
- Microsoft Messaging Queues (MSMQ)
- Cross-Language Component Integration
- Multitasking
- Providing Application Assistance
- Application Deployment





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- Overview of Scripting
- Basics of ASP.Net
- Controls in ASP.Net
- ASP.Net Built-in Objects
- Session Tracking & Cookies
- Working with ADO.Net
- Data Binding with Data Controls
- Web Services
- Sending Emails



- Overview of Database Systems
- Overview of SQL Server
- SQL Queries & Functions
- Joins, Unions, & Sub-queries
- Working with Tables
  - Constraints
  - Triggers
- Working with Views
- Auto numbering & Indexes
- Stored Procedures
- Cursor Management





## Oracle SQL / PL-SQL

- Overview of Database Systems
- SQL Queries & Functions
- Joins, Unions, & Sub-queries
- Working with Tables
  - Constraints
  - Triggers
- Working with Views
- Indexes & Synonyms
- Sequences
- Stored Procedures
- User Management & Roles
- Introduction to PL/SQL
  - Exceptions & Cursor Management
  - Subprograms & Packages



## C Programming

- Overview of C Programming
- Variables, Constants, and Data Types
- Operators
- Decision Making & Branching
- Decision Making & Looping
- Working with Arrays
- String Handling in C
- Functions in C
- Working with Pointers
- File Management in C
- Data Structures & Linked Lists



 **C++ Programming**

- Overview of C Programming
- Variables, Constants, and Data Types
- Operators
- Decision Making & Branching
- Decision Making & Looping
- Working with Arrays
- String Handling in C
- Functions in C
- Working with Pointers
- File Management in C
- Data Structures & Linked Lists

 **XML Programming**

- Overview of XML
- Document Type Definition
- XML Schemas
- Creating Element & Attribute Groups
- Rendering XML Documents with XSLT
- XML DOM (Document Object Model)





## Core Java

- Overview of Java Programming
- Java Basics
  - Data Types, Constants, Variables
  - Decision Making & Branching
  - Decision Making & Looping
  - Arrays
- Methods in Java
  - Method Polymorphism
  - Constructors
- Classes & Objects
- Inheritance in Java
- Abstraction in Java
- Java Packages
- Exception Handling
- Multithreading
- Java I/O
- Applets
- AWT / Swing
- Java String Handling



## Advanced Java

- JDBC
- Java Beans
- RMI
- Servlets
- JSP
- EJB



PHP course details have not been included in this manual. Admissions to the PHP Course are on “On Demand” basis. The details of the course will be provided on separate request.

**Note: The above details for all courses are subject to change and PragmaTech reserves the right to do so without any prior notification.**