

Diploma in .NET

1. Programming Fundamental

- Programming in C
- Introduction to Programming
- Data Types, Operators
- C Instructions and Rules for Writing
- Control Structures
- Functions
- Pointers
- Array, Strings
- File I/O
- Structures and Union

Programming in C++

- OOP's Concepts.
- References & const.
- Function Overloading.
- Inline functions.
- Namespace.
- Constructors, Destructors.
- Const member Functions.
- Static data member.
- Static member Functions.
- Operator Overloading.
- Conversion Functions.
- Exceptions Handling.
- Manipulators.
- Inheritance.
- Polymorphism.
- Virtual Functions.
- Abstract Class.
- RTTI.
- Templates.
- STL.

2. Database

- Database Connections
- Managing Database Connections
- Performing Queries
- Closing Connection
- Create Database & Table
- Drop Database & Table
- Insert Record
- Select Record
- Deleting Record
- Modifying Record
- WHERE Clause
- Using Operators
- Sorting Records
- Eliminating Duplicates
- Grouping Records, Having Clause
- Joining Tables
- Sub queries
- Using Table And Column Aliases
- Stored procedure
- Trigger

3. O/s and Networking

- Introduction
- Operating-System Structures
- Process Management
- Memory Management
- Storage Management
- Protection And Security
- Distributed Systems
- Special -Purpose Systems
- Network Basics
- Classification of Networking
- Network Topology
- TCP/IP Fundamentals

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4. Dot Net Technology

C# Dot Net

- MS.NET Framework Introduction
- Developing Console Application
- Language Basics
- Introduction to Object Oriented Features
- Programming Object Oriented – Encapsulation
- Inheritance
- Interface & Polymorphism
- Exception Handling
- Working With Collections and Generics
- Operator Overloading, Partial Class, Attributes, Reflection, Configuration
- Working with Components / Assemblies
- Data Streams and Files
- Win Forms
- Data Access using ADO.NET
- Data Access using ADO.NET – DataSet

ASP Dot Net

- Web Programming Introduction
- HTML and JavaScript
- Introduction to ASP
- ASP.NET Introduction & Sample Programs
- Validation Controls
- Applying Themes and Styles to Controls
- ASP.NET Architecture
- Page Navigation Options
- Creating a Layout Using Master Pages
- User Control
- ASP.NET State Management
- Databound Controls
- Creating Virtual Directory & Web Application
- Globa.asax & HttpApplication

- Understanding Configuration File - Web.Config
- Web Caching
- Authentication & Authorization
- Globalization and Localization

5. Advance Concepts

- MVC Architecture
- WCF
- WPF

6. Project

- Project Document
- Project Design
- Technical Document
- Functional Document
- Development Phases
- Testing
- Implementation
- Maintenance

7. Certification

- Applying for certification
- Preparation for certification
- Certificate guidance

8. Aptitude Test Preparation

- Abstract reasoning
- Verbal reasoning test
- Numerical Reasoning Test
- Spatial reasoning
- Mechanical reasoning

9. C.V. and Interview

- CV preparation
- Mock Interviews

10. Live Scenario