

Exaltare Technologies

.NET SYLLABUS

MODULE 1: INTRODUCTION

Duration 1 Week



- Architecture
- CTS
- CLS
- CLR
- FCL
- ADO .Net
- Console Programming
- Windows Forms
- Assembly Types
- GAC
- Build, Package, Deploy

MODULE 2: OOPS

Duration 1 Week



- Basic Concept of OOPs
- Principles of OOPs
- Object
- Class
- Abstraction
- Encapsulation
- Inheritance
- Polymorphism
- Overloading

MODULE 3: C#

Duration 1 Week



- CLR Execution Model
- Primitive Types
- Reference & Value Types
- Nullable Types
- Constants & Fields
- Generics
- Interfaces
- Chars, Strings & Text
- Enums, Arrays
- Serialization

MODULE 4: EXCEPTION HANDLING

Duration 1 Week



- try and catch block
- Multiple catch block
- Nested try
- finally block
- throw keyword
- Exception Propagation
- throws keyword
- Exception Handling
- Custom Exception

MODULE 5: COLLECTION

Duration 1 Week



- Collection Classes
- List
- Dictionary
- Hashtable
- IEnumerable
- IList
- IQueryable

MODULE 6: THREADING

Duration: 1 week



- Thread Basics
- Foreground Threads
- Background Threads
- Multi threading concepts
- Asynchronous Operations

MODULE 7: WINDOWS FORMS

Duration 1 Week



- Basics of Winforms programming
- Controls in Winforms
- Execution flow
- Event Driven programming
- Assignments

MODULE 8: ADO .NET

Duration 1 Week



- Basics of RDBMS
- ADO .Net Classes
- Connectivity to Database
- Connected & Disconnected Architecture
- Dataset, Datatable, DataReaderXSD

MODULE 9: EXCEPTION HANDLING

Duration 1 Week



- Why ASP .Net?
- IIS
- ASP .Net Pipeline
- Page Life Cycle
- User Controls
- Custom Controls
- MasterPages
- Asp .Net Controls
- HTML Controls
- Validations
- Debugging

MODULE 10: PROJECT

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