



.NET Framework 4.0

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.NET Framework is a software framework developed by Microsoft Corporation that runs primarily on MS Windows. It includes a large library and provides language interoperability across several programming languages. The course is geared towards providing students with the knowledge and skills they need to develop C# applications for the Microsoft .NET Platform. The course focuses on C# program structure, language syntax, and implementation details. C# was created to be the programming language best suited for writing enterprise applications for .NET. It is a simple, object-oriented, and type-safe programming language that is based on the C and C++ family of languages.

Program Coverage

Programming with C#

- Introduction to the .net framework
- Getting started with C#
- Variables and datatypes
- Statements and operators
- Branching and flow control
- Arrays in C#
- Object Oriented Programming
- Inheritance and Polymorphism
- Abstract classes and interfaces
- Properties and indexers
- Name spaces
- Exception handling
- Delegates and events
- Collections
- Generics and iterators
- Anonymous methods, partial types and nullable types
- Attributes and reflection in c#
- Assemblies in C#
- File handling and streams
- Multithreading
- Com and interoperability
- Working with xml

Windows forms programming with C#

- Windows forms and basic controls
- Grouping and graphic controls
- Advanced controls
- Date and timer controls
- Dialog boxes

- Mdi applications and menus
- Introduction to ado.net
- Data classes
- Data view, data grid view and data binding
- Custom controls
- Crystal reports
- Setup and deployment
- SMTP, email and networking
- Security in windows forms
- .NET remoting

Creating web applications using ASP .Net

- Introduction to ASP .Net
- Working with controls
- Styles, themes and master pages
- State management
- Working with data
- Tracing and debugging
- Enhancing web application by web using parts
- Ajax in ASP .Net
- Internationalization and accessibility
- Security in ASP .Net
- ASP .Net deployment
- Introduction to mobile applications

Faculty

.NET Framework is conducted by highly qualified and well experienced faculty having over 20 plus years of consulting experience in network security, data security, integrity maintenance and ethical hacking. The combination of domain expertise with practical experience will be an added advantage for the students.

Venue

Corporate office:

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Campus:

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About ITMR

Institute of Technology Management & Research (ITMR) is a division of Mamta Trust catering to the educational needs of the society along the lines of Technology Management & cutting edge research. The program is offered through ITMR, Chennai.



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