



# Full Stack Dot Net Industrial Training



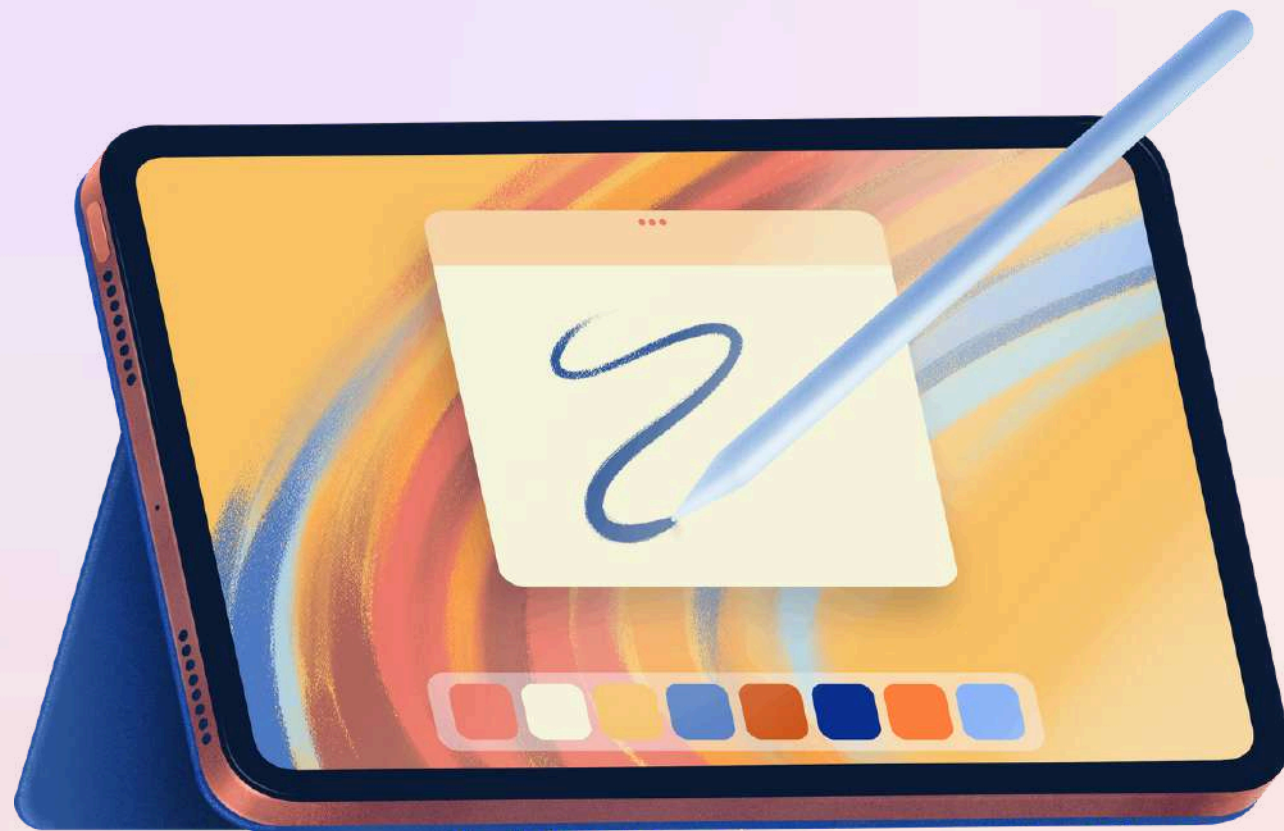
[binarystacktechnologies.com](http://binarystacktechnologies.com)  
7666855175



# Fundamental Concept of Dot Net Programming



# Dot Net Fundamental

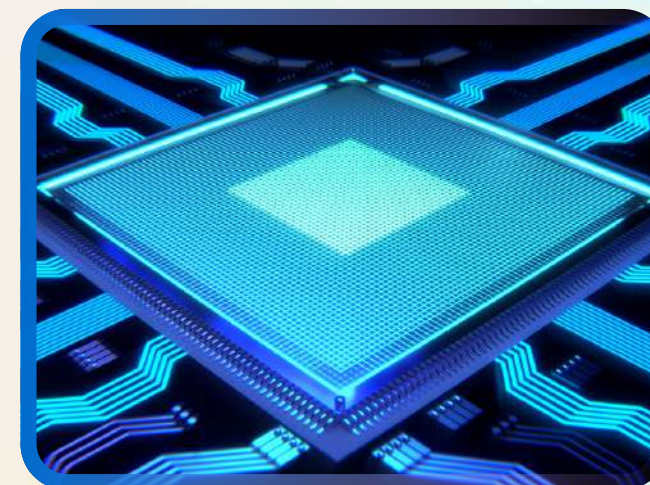
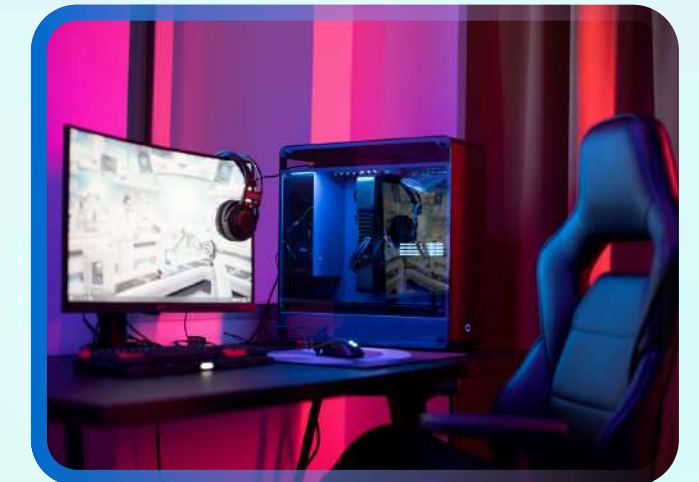


- Introduction to programming concept
- Data Types, Variables, & Operators
- Control Flow Statement
  - if-else, loops, switches etc.
- Functions and Methods
- Object-Oriented Programming (OOP)
  - Classes and Objects
  - Inheritance
  - Polymorphism
  - Encapsulation



# C# Programming Concept

- C# Syntax and Fundamentals
- Data Types, Variables, Operators
- Control Flow Statements
- Object-Oriented Programming in C#
- State Management
- Exception Handling
- Three (3) Tier Architecture
- Collections and Generic Lists
- Language Integrated Query
- Delegates and Events





# ASP .Net Core MVC

- [Introduction to ASP.Net Core](#)
- [MVC Architecture](#)
- [Razor Pages](#)
- [Routing](#)
- [Controllers and Actions](#)
- [Views and Razor Syntax](#)
- [Data Binding](#)
- [Model Validation](#)
- [Dependency Injection](#)
- [Configuration](#)
- [Middleware](#)
- [Filters](#)
- [Grid View](#)



# Database Fundamentals

- Introduction to databases and SQL
- Database Design (Normalizaiton, ER Diagrams)
- SQL Queries (SELECT, INSERT, UPDATE, DELETE)
- Joins, Views, Stored Procedures, Indexes
- Database Performance Tuning





# Entity Framework Core (EF).

- Introduction to ORM
- Entity Framework Core Basics
- Database Migrations
- CRUD Operations
- Relationship
  - One to one
  - One to Many
  - Many to One
  - Many to Many
- Querying Data
- Performance Optimization



# Frontend Development



- HTML Structures and Semantics
- CSS Styling
- JavaScript Fundamentals
- DOM Manipulation
- Event Handling
- AJAX
- Introduction to Framework like JQuery
- Routing
- Data Binding
- Forms
- State Management
- Component-based Architecture





# Project Development & Deployment

- Industrial Project Development
- Frontend Project in ReactJS/Angular
- Backend Project In ASP.Net Core
- Integration of Frontend & Backend
- Introduction to Git/GitHub
- Steps to Create Repository on GitHub
- Assessing Git and GitHub for Dot Net Project
- Introduction to AWS for Deployment
- Project Deployment on AWS



Thank You.  
**Thank You.**  
Thank You.



[info.binarystack@gmail.com](mailto:info.binarystack@gmail.com)



[www.binarystacktechnologies.com](http://www.binarystacktechnologies.com)



[+91-7666855175](tel:+91-7666855175)

