



# Full Stack .NET

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## Master Program

# Microsoft .NET



## About Us

Tek Ikons Academy is committed to delivering extensive training in Full Stack .NET Development, equipping individuals with the skills and expertise required to thrive in the swiftly advancing tech sector.

## Our Mission

Our goal is to bridge the chasm between theoretical comprehension and practical implementation, empowering our students with the skills necessary to address real-world challenges in full-stack .NET development.

## Our Full Stack Courses

- ✓ Python
- ✓ Java
- ✓ Web Development
- ✓ Testing
- ✓ Data Science AI



### Comprehensive Curriculum

Master .NET Development from Front to Back: Comprehensive Training for Full Stack .NET Developers



### Industry-Relevant Skills

Empowering Tomorrow's Workforce with Cutting-Edge Tech Skills.



### Hands-on Projects

Empowering Minds, Crafting Futures: Real-World Projects for Dynamic Web Mastery!



### Expert Instructors

Unlocking Java Mastery: Expert Guidance for Skill Refinement.



### Flexible Learning Options

Empowering Diversity: Flexible Learning for Every Lifestyle.



### Career Support

Empowering Full Stack .NET Developers: Advancing Careers Beyond Code.

Call us for  
more info



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# Curriculum

## .NET/C#

### .NET and C# Basics

- .NET Framework and .NET Core
- .NET Architecture: BCL, CLR, CTS, CLS
- .NET Compilation: IL/MSIL, JIT/RyuJIT
- Assembly and Garbage Collector
- C# Programming Language
- Data Type
- Variable & Typecasting
- Operators
- Conditional Statements
- Loops and Jumps Statements
- Arrays and Strings

### OOPS and Advanced C#

- Object-Oriented Programming
- Class and Objects
- Access Modifiers
- Constructor and Destructor
- Inheritance
- Property and Methods
- Exception Handling
- Abstract Class and Interface
- Static Class and Partial Class
- Anonymous Type, Var and Dynamic
- Lambda Expression
- Collections and Generics

## Database

- SQL Server Database
- Database Designing
- Database Normalization
- SQL Keys
- SQL Query and Sub Query
- SQL Clauses
- SQL Joins
- SQL Server Views
- Stored Procedure
- SQL Server Functions
- SQL Server Triggers
- SQL Server Cursors

## Web Application Development

- Introduction, Common concepts of the web(web page, web server, Dynamic and static pages)
- HTML Tags
- using HTML forms
- Introduction to CSS, Enhancing the html pages using CSS
- Inline, Internal and external CSS
- Introduction to Javascript
- Form validation using Javascript

## Bootstrap

- Bootstrap Fundamentals
- Navigation Bar
- Bootstrap Form Elements
- Bootstrap Icons
- Typography
- Buttons and Dropdowns
- Images, Card
- Tabs and Accordion
- Bootstrap Modals

## ASP.NET

- Introduction to ASP.NET, Architecture of ASP.NET
- Life cycle events of ASP.NET Webpage, Web server- IIS, Post back.
- Web form controls, Validation controls
- View state, Control state, Cookies, Hidden Field, Query string, Session, Application
- Authentication and Authorization and its types
- Caching and its types, Tracing and its types, Master Page

# Curriculum

## MVC

- Difference between ASP.NET and ASP.NET MVC
- Understanding ASP.NET MVC, Model, View and Controller
- Life cycle of MVC and execution and its Features
- Routing
- Selectors
- Action Filters
- Layouts and Partial View
- HTML helpers
- Model Binders
- Data Annotations and validations
- State management in MVC- View Bag, View Data, Temp Data, session
- Razor view and ASPX View
- Entity Framework - Code First, Data first, Model first, Entity Framework with LINQ
- ORM-Dapper
- Grid - CRUD operations

## .NET CORE

- .NET core framework Architecture, comparison with .net and .net core
- Features of .NET Core
- ASP.NET Core Features, comparison with asp.net and asp.net core
- Versions
- Build simple application using ASP.NET core framework
- Web API in ASP.NET core
- DataAccess with Entity Framework6 in ASP.NET core

## Live Projects

- Static Blog - Build the UI of a basic blog using HTML.
- Todo List App - Build a todo list app using web api and angular.
- Shopping Cart - Build the basic functionality of the shopping cart.
- Contact Book - Create a contact list by storing the data in a DB.
- Movies App - Create a movie app for listing and searching any movie.

# Certificates



 **Tek Ikons Academy**  
Coding Dreams Building careers



## CERTIFICATE OF COMPLETION

This is to certify that  
Dr. / Mr. / Ms. \_\_\_\_\_  
of **TEK IKONS ACADEMY SR NAGAR, HYDERABAD**  
has successfully completed certification course  
on \_\_\_\_\_ during  
From \_\_\_\_\_ to \_\_\_\_\_



**Date of Issue**

**Ms. Sirisha**  
President & CEO

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# Our Placement Drive Gallery




## Students Reviews


Google Excellent ★★★★★ 4.7 | 143 reviews

-  **Madhu Kalamata**  
15 February 2024


★★★★★

It is one of the best academy i have seen They offer multiple courses and conducting job drives as well. Once get into the tek ikons and get offer letter
-  **jaddu sivavenkatanagaprasad**  
15 February 2024


★★★★★

I am Happy to say that this is one and only best insitute in Hyderabad
-  **shivaprasad ramagiri**  
15 February 2024


★★★★★

Best platform to get into it industry
-  **shivaprasad ramagiri**  
15 February 2024


★★★★★

Best platform to get into it industry
-  **VENKATASAI NARSING**  
15 February 2024


★★★★★

good platform for freshers to get placements
-  **swamy narisetty**  
15 November 2023


★★★★★

Good institution for training and placement is well & quality of knowledge
-  **Hema Sri**  
7 November 2023

★★★★★

Great place to learn
-  **Jahnvi Janu**  
7 November 2023

★★★★★

I have gained lot of knowledge. And improved my skills.Thank you for the opportunity.
-  **Swathi Ch**  
7 November 2023

★★★★★

Good place for trying and jobs

# Thank You



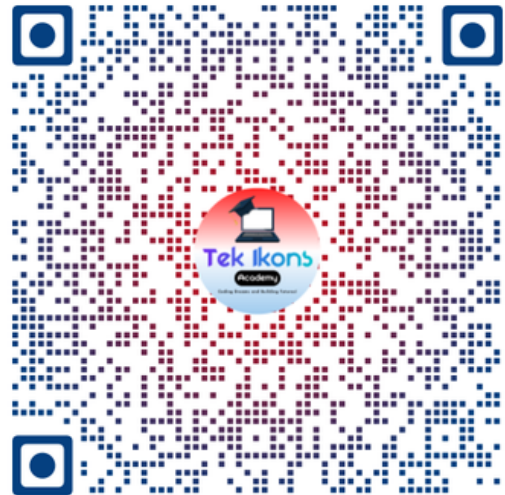
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## For Demo Class



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