

Full Stack Developer (FSD) – Dot Net

FSD – .NET

Product Code: ST-SD-50027

Duration: 700 hrs.

Eligibility

- BE / B Tech / MCS /MCA / BCS / BSc / BCA or equivalent (Candidates appeared for final year can also apply)

Take Aways

- Create console-based programs in C language using functions, pointers, arrays, structures, linked list and files.
- Access and manipulate data in Oracle database using Structured Query Language (SQL).
- Develop dynamic and interactive web-pages using HTML5 & CSS3.
- Develop interactivity with jQuery.
- Develop responsive, mobile first projects on the web using Bootstrap.
- Perform effective testing of Software applications.
- Create GUI application using C#.
- Create data centric applications using ADO.NET and LINQ in C#.
- Create rich web applications using ASP.NET.
- Create secure web applications using authentication and authorization in ASP.NET.
- Create asynchronous web applications using ASP.NET AJAX.
- Develop dynamic and interactive web-pages using HTML and AngularJS
- Create various artifacts as part of SDLC and use them to build quality software.
- Create a project using .NET.
- Get good score in selection tests for C programming, SQL.
- Get good score in quantitative aptitude and communication skills tests.
- Stand out in the interview by effectively demonstrating your abilities and technical knowledge.

Course Contents

C Programming

- Programming Techniques
- C Language Basics
- Selection Control Statements
- Iterative Statements
- Functions
- Storage Classes
- Pre-processor
- 1D,2D Arrays
- Sorting Techniques
- String Handling
- Dynamic Memory Allocation
- Structures and Union
- Files
- Linked List

Oracle – SQL

- Activities
- Introduction
- Retrieving data using SQL statement
- Built – in functions
- Summarizing results using group functions
- Joins
- Sub-queries
- SET operators
- Manipulating data and transaction
- Creating and Managing tables
- Introduction to other schema objects

Responsive Web Designing (RWD)

- Hyper Text Mark-up Language (HTML)
- HTML5
- Cascading Style Sheets (CSS)
- CSS3
- JavaScript
- Bootstrap

Quantitative Aptitude

- Numbers System
- HCF & LCM
- Percentages
- Calendars and Clocks
- Averages
- Ratio, Proportion and variations And partnership
- Time Speed and Distances
- Simple and Compound interest
- Profit and Loss
- Mixtures and Alligations
- Work, Pipes and Cistern
- Permutations and Combinations
- Probability
- Sets and relations
- Coding- Decoding
- Directions
- Series
- Syllogisms
- Blood Relations
- Coloring Cubes
- Arrangements
- Data Sufficiency
- Analogy and Odd man out
- Jumbled Paragraphs
- Change of Voice
- Reading Comprehensions
- Idioms and Phrases
- Spotting Errors

C# Programming

- Object-oriented concepts
- Introduction to .NET Framework
- Writing C# classes
- Language Fundamentals
- Inheritance and Polymorphism

- Exception Handling
- Attributes and Reflection

- Collections Framework
- Delegates and Events
- Windows Applications using WinForms
- File I/O & Serialization
- XML using .NET
- Multithreading
- ADO.NET
- Deployment
- WPF, WCF, WF basics

Basic ASP.NET

- Introduction to Web Technologies
- Introduction to ASP.NET 4.0 Features
- Web Sites and Page Frameworks
- ASP.NET Server Controls
- ASP.NET State Management and Caching
- ASP.NET User Controls and Custom Controls
- ASP.NET Look and Feel using Master Pages and Themes
- ASP.NET Data Access

Advanced ASP.NET

- ASP.NET Security
- ASP.NET Personalization and Localization
- ASP.NET Site Navigation
- ASP.NET WebPart Personalization
- ASP.NET AJAX
- ASP.NET MVC
- Using jQuery with ASP.NET
- ASP.NET Dynamic Data Web Sites
- Creating and Consuming WCF Service in ASP.NET web applications

Angular JS

- Design web pages dynamically and more innovatively using AngularJS with HTML.
- Write client code using built-in Directives, Filters and expressions.
- Implement Controller, custom Services & factory
- Apply animation effects , handle events, perform unit testing
- Write client code using built-in AngularJS services like \$http and \$location
- Integrate AngularJS with ASP.NET MVC and Java applications.
- Implement a case study using Angular as client front end framework.

Real Time Project using Agile Methodology

Objectives : You will learn to

- List SDLC phases.
- Create a project using SDLC with .Net as technology.

Configuration and Tools Requirements

- Eclipse 3.4 or above
- Tomcat 6.x or above

Course Contents

- Software Development Life Cycle (SDLC)
 - Need for Software Engineering, SDLC Phases, Salient Features of SDLC
- Project Implementation
 - Implementation of given Project
- Evaluations / Mentoring

Download Free SEED Learn App – goo.gl/EutKyh