



## **Silver Light Training Course**

Project Based Immersive Learning Course

### **Silver Light Training Course Overview**

Sambodhi and Education Nest present the Silverlight Training, a comprehensive program designed to equip developers with the skills to build Rich Internet Applications using Silverlight. This training focuses on the plug-in development that brings a trimmed down version of the .NET Framework to web browser client-side programming. With a user interface framework similar to WPF, developers familiar with WPF can easily transition to Silverlight. The course covers the main aspects of building user interfaces with Silverlight, providing participants with expertise in this area. Led by an ingenious trainer, this training ensures a thorough understanding of the key fundamentals and empowers learners to create engaging web applications using Silverlight. On successful completion of the course, you will receive a Course Completion Certificate from “Sambodhi and Education Nest”.

### **Benefits of Silver Light Training Course:**

The Silverlight program offers a wide range of functions and tools for learners to explore and understand. This training course is designed to help learners master the fundamental skills needed to create simple applications and programs quickly and efficiently. By developing proficiency in Silverlight, users can open up new career opportunities in industries such as

mobile app development, web development, and coding. Possible career paths include becoming a coding professional, 2D developer, 3D developer, or game artist. Overall, Silverlight training can equip learners with valuable skills and help them build a promising future in the technology field.

## Who should learn?

- Developers
- Designers
- Anyone involved in the development or maintenance of Silverlight applications

## Why do you need Silver Light Training Course?

### Average Salary Growth:

The average salary growth of a Silver Light Professional can vary depending on several factors such as location, years of experience, company size, industry, and other factors. According to the Bureau of Labor Statistics, the median annual wage for computer and information technology occupations was \$93,250 as of May 2022 in the United States. This includes a wide range of roles, from entry-level positions to more senior roles.

### Industries:

If you have expertise in Silverlight, you may still be able to find job opportunities in companies that have legacy applications or are maintaining existing Silverlight-based applications. Additionally, some companies may require Silverlight skills for short-term projects or specific applications. According to various job market analyses, MNCs such as Microsoft, Accenture, IBM, Deloitte, Infosys, TCS, Cognizant, Wipro, Capgemini, HCL and Technologies are among the top companies that frequently hire Silverlight.

## **Position in Market:**

According to data from the job search website such as Indeed, Glassdoor, and LinkedIn are great resources for finding current job listings for Silverlight. According to a report from Global Knowledge, Silverlight is one of the top-paying certifications in the IT industry. Report from Burning Glass Technologies indicates that there is a growing demand for Silverlight Professional, with job postings increasing by over 30% between 2015 and 2018. This growth is due to the increasing demand for Silverlight Professional in various industries.

## **Designations:**

- Silverlight Developer
- Silverlight Professional
- Windows App Developer

## **Why Silver Light Training Course from Education Nest**

- **Free Demo on Request**
- **Live Interactive Learning**
- **Lifetime Access**
- **Flexible Schedules**
- **24x7 Support**
- **One on One Doubt Clearing**
- **Real Time Project-Based Learning**
- **Certificate Oriented Curriculum**

## **Key Skills Covered:**

- Silverlight Controls
- Graphical Rendering
- Resource Management and Styles
- Animation
- Custom Control
- Data Binding
- MVVM Design Pattern

## **Silver Light Training Course Syllabus**

### **Module 1: (Introducing Silverlight)**

- Understand the Silverlight / .NET / WPF relationship
- Overview the services provided by Silverlight
- Examine the Silverlight architecture
- Examine the core assemblies and namespaces
- Learn the syntax of XAML
- Understand the XAML / code relationship
- Learn to process XAML at runtime
- Build Silverlight applications using Visual Studio 2010 / Expression Blend

### **Module 2: (Silverlight Controls)**

- Survey the Silverlight control toolkit
- Learn the control content model
- Learn to position controls using layout managers

- Work with the Silverlight DataGrid and data binding templates
- Construct tab-based UIs
- Design navigationally based Silverlight applications

### **Module 3: (Graphical Rendering Services and Transformations)**

- Understand the scope of graphical rendering services
- Work with the shape types
- Work with Brushes and Pens
- Apply graphical transformations
- Understand the role of geometries
- Use Blend to generate graphical data

### **Module 4: (Resource Management and Styles)**

- Learn to manage binary resources
- Understand the role of logical resources
- Work with resources in XAML and procedural code
- Understand the resource lookup mechanism
- Learn how to define and apply styles
- Build new styles based on existing styles

### **Module 5: (Animation and Media Support)**

- Understand the scope of animation services
- Define animations in code and XAML
- Work with key-frame animations
- Control animation timelines
- Video feed integration
- Generate animations using Expression Blend

## **Module 6: (Templates and User Controls)**

- Learn to build custom control templates
- Work with the Visual State Manager class
- Know your choices for control customization
- Examine options for building custom controls
- Understand the role of dependency properties
- Generate custom controls using Expression Blend

## **Module 7: (Core Silverlight APIs)**

- Incorporate LINQ programming techniques
- Communicate with remote services using WCF
- Persist data using the isolated storage API
- Interacting with the hosting browser
- Packaging, versioning and deployment of XAP files
- Running Silverlight out of browser (OOB)

## **Module 8: (Data Binding)**

- Understand the data binding mechanism
- Understand control-to-control data binding
- Learn to work with data bindings in XAML and code
- Learn the role of the IValue Converter interface
- Learn to bind to custom collections of objects
- Define and make use of data templates
- Create data validation logic
- Examine the data binding support within Expression Blend

## **Module 9: (Introduction to the MVVM Design Pattern)**

- Understand the motivation behind the MVVM design pattern
- Know the responsibilities of the Model
- Know the responsibilities of the View Model
- Know the responsibilities of the View

- Inject MVVM into an existing WPF application
- Break down the starter code for a Blend Silverlight MVVP project
- See how to communicate between the layers using data binding, behaviors and commands

## **Career Support**

### **Profile Building:**

Experienced professionals are available to offer tailored assistance in crafting your CV and online profiles, taking into account your unique educational and experiential background.

### **Interview Preparation:**

The upcoming interview preparation service will include personalized one-on-one sessions and the option for mock interviews if needed.

### **Job Referrals:**

At Education Nest, we receive a variety of job requirements from diverse sources such as organizations, our clients, HR consultants, and a vast network of Education Nest currently employed in different companies. We strive to meet these varied requirements to the best of our abilities.

### **Continuous Support:**

We offer continuous support for as much time as you need it, and a considerable number of our learners receive multiple interviews offers and promising employment opportunities as a result of the abilities they gain during the program.