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WCF & WPF

Quick Contact

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Advanced Dot Net Training Syllabus in Bangalore

✓ **WCF**

- Introduction to WCF

- What is ABC

✓ **Services**

- Services Execution Boundaries

- WCF and location transparency

- Addresses

- TCP Addresses

- HTTP Addresses

- IPC Addresses

- MSMQ Addresses

- Peer Network Address

✓ Bindings

- Standard Bindings

- Format, Encoding

- Choose a Binding

- Use a Binding

✓ **Contracts**

- Service Contract

- Apply ServiceContract attribute

- Names and namespaces

✓ **IIS Hosting**

- Web.Config file

- Self-Hosting

- Self-hosting and base addresses

- Advanced hosting features

- ServiceHost

- WAS Hosting

✓ **Endpoints**

- Admin. Endpoint Config

- Using base addresses

- Binding config

- Programmatic Endpoint Config

- Binding config

- . Client-Side Program

- Generate Proxy

- Admin. Client Config

Course - Curriculum

- Binding config

- Generate client config file

- In-proc config

- SvcConfigEditor

- Create, Use Proxy

- Close the proxy

- Call timeout

- Programmatic Client Configuration

✓ **WCF Architecture**

✓ **WPF**

- Introduction to WPF

- Controls Custom Controls Layout

- Introduction to WPF Layout

- Stack Panel

- Grid Panel

- Dock Panel

- Canvas Panel

- Wrap Panel

- View Box

- Create a Custom Layout Panel

✓ **Data Binding**

- Data Binding Overview

- Debug Data Binding Issues

- Data Validation

- Value Converters

- Data Viewing, Sorting and Filtering

✓ **Popular Data Binding Expressions**

- How to Bind Enum Values

- Elegant way for INotify Property Changed

✓ **Styling**

- Themes

- Styles

- Control Templates

- Data Templates Localization in WPF

- Evaluate a localization mechanism

- Localization using a Markup Extension

Course - Curriculum

✓ 2D Graphics

- Draw exactly on physical device pixels

- Geometry Transformer

- Images

- How to get a Bitmap from a Visual

- Draw Rounded Rectangle WPF with MVVM

- WPF with MVVM

Other Activities

Assessments

- **Objective Assessments**

    -- Syntactical based

    -- Scenario based

  Note: At least 2 objective based assessments in each module

- **Hands On – Practical Assessments**

    -- Scenario based

  Note: At least 2 Hands on assessments in each module

Assignments

- **Hands On – Practical Assignments**

  Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- **Regular tasks on each module**

  Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- **Work on one or two mini projects**
- **Discuss and convert the current working project into WCF-WPF project to add in resume & to explain WCF-WPF experience in interviews**