

ORACLE APPLICATION FRAMEWORK COURSE CONTENT (OAF)

❖ **INTRODUCTION TO ORACLE APPLICATIONS AND OAF:**

- Oracle Applications Framework
- OAF and MVC
- OAF Process Flow
- More about OAF

❖ **JDEVELOPER OVERVIEW:**

- JDeveloper Features
- Building OAF Application in JDeveloper
- Configuring JDeveloper Preferences

❖ **BASICS OF THE MODEL:**

- Understand the basics of BC4J
- Understand an Entity Object
- Understand a View Object
- Understand an Application Module

❖ **BASICS OF THE VIEW:**

- Understand the terminology
- Building a basic OA Framework page
- List of Values
- Building Search Regions

❖ **DEBUGGING OA FRAMEWORK APPLICATIONS:**

- Using JDeveloper debugger
- Examine Runtime variables and arguments
- Modify Runtime variables and arguments

❖ **BASICS OF THE CONTROLLER:**

- Understanding OA Framework Controller
- Enhance an OA Framework page
- OA Framework : Message Dictionary

❖ **OA FRAMEWORK EVENT FLOWS:**

- Initial Setup Flow
- Controller Event Flows
- Request Flow (GET)
- Submit Flow (POST)

❖ **NAMING CONVENTIONS AND STANDARDS:**

- General Naming Rules
- Package Naming
- Page and Region Naming
- Item Naming

❖ **ERROR HANDLING:**

- Exception types and Classes
- Bundled exceptions
- Dialog pages
- Debugging messages

❖ **IMPLEMENTING BUSINESS LOGIC:**

- Client Validations

- Required values and Data types
- Server Validations
- Entity object and View object validations

❖ **PARTIAL PAGE RENDERING:**

- Using Auto Submit
- Using Partial Submit
- Trigger and Target Components
- Implementing Partial Page Rendering

❖ **OA FRAMEWORK STATE MANAGEMENT:**

- OA Framework State Caches
- Passivation
- “Back” button support

❖ **OA FRAMEWORK EXTENSION:**

- Types of Extension
- Overriding Default Values
- Override Attribute Validation

❖ **OA FRAMEWORK PERFORMANCE TUNING:**

- BC4J and JDBC Guidelines
- SQL Tracing
- Monitor Connection Pool
- OA Framework Performance Standards

❖ **APPLICATION MENUS AND FUNCTION SECURITY:**

- OA Framework page menus
- Registering functions for OA Framework pages
- Creating Responsibilities and Users
- Using JSP test page

❖ **IMPLEMENTING INTERNATIONALIZATION:**

- Date and Time zone Internationalization
- Number and Currency Internationalization
- Testing Internationalization

❖ **DEPLOYING OA FRAMEWORK APPLICATIONS:**

- Creating Deployment Profiles
- Deploying Model
- deploying View and Controller