



#### salesforce

# Course Duration 75 Days

# Total Sessions Hours 480 Hrs

## **Administrator**

#### **Cloud Computing Concepts**

- ➡ Introduction
- Evolution of Cloud Computing
- Comparison with Other computing techniques
- Characteristics of Cloud Computing
- Advantages and Disadvantages

#### Classification of Cloud Computing Services

- ⇒ PAAS (Platform As A Service)
- ⇒ SAAS (Software As A Service)
- ➡ IAAS (Infrastructure As A Service)

#### **CRM Concepts**

- ➡ CRM Vocabulary
- ➡ CRM Processes
- ➡ Marketing Process
- ⇒ Sales Process
- ➡ Support Process
- ➡ Lead Conversion Process

#### Creating Salesforce Developer Account

- ⇒ Salesforce Products Overview
- Salesforce Editions
- Creating Salesforce Developer Account
- Salesforce overview

## Salesforce.com Products Overview

- Overview of products
- ⇒ Sales : Sales Cloud
- ➡ Service : Service Cloud
- Editions and

#### Salesforce Object Management

- ➡ Standard Objects and Custom Objects
- ➡ Creating / Editing / Deletion ofrecords
- ➡ Creating Custom Fields, Custom Objects
- ➡ Field Dependency, Field History Tracking
- ➡ Lead Conversion Process
- ⇔ Web to Lead
- ➡ Creating Applications & Configuration

#### Data Validation & Formula Fields

- ➡ Learn about Salesforce CRM Data Validation
- ➡ Create Data Validation Rules & Formula Fields
- Salesforce Functions for Validation Rules & Formula Fields
- ➡ Learn about the Custom fields & Unique properties

#### **Customizing Page Layouts**

- ➡ Creating and Customizing Page Layouts (Fields, Buttons, Related Lists)
- ➡ Page Layout Assignments
- ➡ Creating Salesforce Business Records (Record Types)
- ➡ Introduction to Business Processes (Lead Process, Sales Process, Support Process, Solution Process)
- ➡ Customizing Record Types

#### **Object Relationships**

- Datatypes Read Only, Relationship and Generic
- ➡ Lookup & Master details
- ➡ One to Many & Many to Many relationship

#### **Business Process Automation Tools**

- ➡ Workflow ➡ Email Templates
- ⇒ Approval Processes ⇒ Process Builder
- ➡ Visual workflow /

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#### **Security & Data Visibility**

- ➡ Introduction to Salesforce Security Model
- ➡ Role Hierarchy & OWD
- ➡ Sharing Settings & Sharing Rules
- ➡ Profiles & Permission Sets & Users
- ➡ Public Groups and Queues & Assignment Rules
- ⇒ Field Level Security & Object Level Security

#### **Data Management**

- Introduction to Data Loader
- ➡ Import & Export Operations in Data Loader
- ⇒ Performing DML Operations on Records (Insert, Update, Delete, Upsert)
- Introduction to Import wizard and Import & Export operations
- ⇔ Import wizard Vs Data Loader

## Sales Cloud Implementation

- ➡ Campaign, Leads
- ➡ Account, Contact & Opportunity
- ➡ Web to lead
- ➡ Email to case
- ➡ Lead Assignment rules

### Service Cloud Implementation

➡ Introduction to Service Cloud and Objects

#### **Analytics in Salesforce**

- ➡ Creating Reports in Salesforce
- ➡ Report Types (Standard & Custom)
- ⇒ Types of Reports (Tabular, Matrix, Summarize, Joined)
- ⇒ Creating Custom Report Types & Implementation
- ⇒ Scheduling the Reports
- ➡ Introduction to Dashboards
- ➡ Dashboard Components & Charts
- Dynamic Dashboards







## Development

#### Introduction to Cloud Computing

- ➡ Classification of Cloud Services
- ⇒ SAAS (Software As A Service)
- ➡ PAAS (Platform As A Service)
- ➡ IAAS (Infrastructure As A Service)
- Overview of Cloud Computing Vendors
- ➡ Introduction to Salesforce.com and its Services
- ⇒ Salesforce.com Platform (Force.com) and Benefits
- Multitenant Architecture and Benefits
- ➡ Overview of Apex and Visual Force
- ➡ Overview of Tools (Developer Console, Eclipse IDE
- ➡ Apex Language Yes

#### **Building Blocks of Apex**

- ➡ Data Types (Primitive Types and Object Types)
- ➡ Conditional Statements and Iterative Statements
- Object Oriented Programming concepts
- ➡ 00Ps Overview
- ➡ Access Specifiers
- ➡ Classes and Objects
- ➡ Constructors and Types
- ➡ Inheritance and its usage
- ➡ Abstract classes & Interfaces
- Overloading and Overriding
- ⇒ Overview of Properties (Set, Get)
- Overview of sObject Types
- ➡ Collection Classes:---Yes

#### SOSL and SOQL

- ➡ Overview of Sales force Query Language (SOQL)
- Select Statement overview
- ➡ Retrieving Data from Objects
- ➡ Query Conditions (Where, Group By, Having, Order By,Limit, Offset)
- SOQL Governor Limits

#### DML Statements

- ⇒ Overviews of DML Statements (insert, update, delete and upsert)
- DML Operations with Conditions
- Bulkify DML operations

# **Overview of Database Class and Methods**

## Triggers

- ➡ Overview of Triggers and Benefits
- ➡ Trigger Events and Trigger Context Variables
- Bulkify Trigger Operations
- Trigger Execution Order
- Trigger Best Practices
- Overview of Trigger Handler Factory

## **Batch Processing**

- Overview of Batch Apex and Limits in DML Statements
- ➡ Introduction to Database.Batchable and implementation
- ➡ State full Batch Processing with Database.Stateful
- ➡ Callouts in Batch Apex
- ➡ Governor Limits & Best Practices

#### Scheduling

- Overview of Apex Scheduler
- Introduction to System.Schedule Interface and Methods
- Implementing the Schedulable interface
- ⇒ Schedule the Jobs using Sales force UI
- ➡ Tracking Schedule Job Status using Queries
- Overview of Cron Triggers and Usage

# Overview of Collections and its Benefits

- ➡ List Collection
- ➡ Set Collection
- ➡ Map Collection

#### Deployment

- Overview of Deployment and Organization Landscape
- Preparing Migration Checklist
- Deployment Tools in Sales force (workbench tool)

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## LWC – Lightning Web Components

1. Introduction to LWC

2. Custom Elements

3. HTML Templates

4. Creating Basic LWC (HTML, CSS & JS)

5. LWC : Button, Button Group, Button Icon, Button Menu and Button Stateful.

6. LWC Card : Card, Layout, Layout Items (CSS).

7. LWC Tabs : Tab, Tab Set, Tab Area.

8. LWC Formatted : Date, Number, Phone, Text, Time, Address, Email, URL.

9. LWC Actions : OnClick, OnChange, OnFocus Etc.,

10. LWC with Apex Classes and Methods

11. LWC Events

#### **Introduction to LWC Styles**

Defining LWC Custom Styles

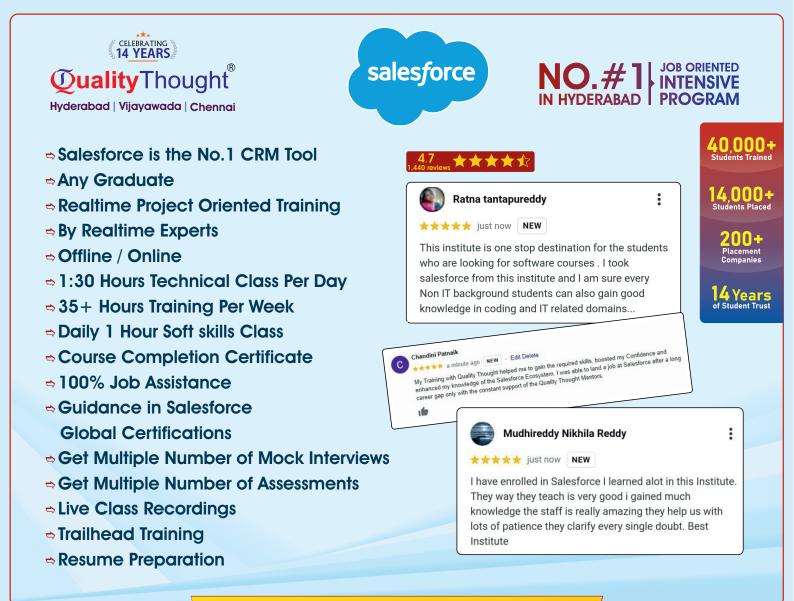
➡ Defining LDS (Lightning Design System) Styles

➡ Creating Custom CSS Component

➡ Calling Custom CSS Component in LWC

# **Introduction to LWC Data System**

- ⇒ LWCDS load, edit, create
- ➡ LWC Data Tables
- ➡ LWC Data with Wire
- ➡ LWC Data Error Handling
- ⇔ LWC Data (General)
- ➡ LWC Data Sobject
- ➡ LWC Data without Params
- ➡ LWC Data with Params
- ⇒ LWC DS with Server-Side Controllers



# **Our Students Are Placed In**

	Capgemini	D LTIMindtree	accenture	66 degrees		High Noon Consulting
BIG ON CLOUD. BIG ON DATA.	ALTIMETRIK	brillio	CGI	CISCO.		amazon
	CloudCover	Coforge	Cognizant			Medtronic
log databricks	dataflex	TECHNOLOGY	Deloitte.	EMIDS	Foray	STIC Soft When you need the results
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<b>pwc</b>	ี quantiphi	RENAULT Passion for life	SIGMASOFT <sup>®</sup> Virtual Molding	SOFTILITY	syren cloud	splashBl <sup>®</sup>
ANALYTICS	wipro		virtusa	ValueLabs	Zensor.	
JRD SYSTEMS	ValueLabs	( <u>archents</u> )	magnasoft	Powering the Digital Next	techforce.ai	{ <pre>/*} techolution</pre>
<b>SOLUGENIX</b>	Nendrasys Accelerating Business Transformation	S&P Global		PiPrism Technologies		Technologies Pvt Ltd

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