

# CLOUD COMPUTING



## CURRICULUM

## PART I GETTING STARTED

### » Cloud Computing Basics

- **Cloud Computing Overview**
  - What Is Cloud Computing?
  - Advantages of Cloud Computing
  - Characteristics and Service Modules (IaaS, PaaS, SaaS, S+S)
  - Deployment Module
  - Architecture

### » Introduction to Salesforce CRM and Force Platform

- Essentials of Salesforce CRM and Force Platforms
- Salesforce CRM Navigation & Functionality
- Data Models
- Architecture of Salesforce CRM
- Different type of Edition Available in Salesforce CRM

### » Administration Essentials

- Identify Confirmation
- Organization Administration
- Configure Salesforce CRM to suit your business needs
- Tab Setting, Record Types and Field Level Security

### Design SaaS Applications on Force Platform

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  - Consideration when building a data model
  - Develop custom objects and fields, encrypted fields, field help, and field history tracking.
  - Use master detail, lookup, and many-to-many relationships.
  - Create a user interface for custom application using the custom Object tab, Page Layout, and Customization options.
  - Field attributes on the page layout.

### » Workflow Approvals

- Create automated business process by using Workflow approvals.
- Plan your approval process.
- Use the built in wizard to create the process.
- Test the process.

### » Data Validation

- Salesforce CRM Validation to ensure Data Integrity.
- How to create data Validation rules.
- Set up a validation design methodology.
- Using the required and unique property features to control data that is entered.

### » Apex Programming

- Introduction to Object Oriented programming using Force Apex.
- Exploring Developer Console.
- Apex Controllers and VisualForce Controllers.
- Collections in Apex
- SOQL and SOSL
- Classes, Interfaces and Triggers
- Batch

### » User Interface through Visualforce

- Design & Development of Visualforce Pages
- Apex Classes to create Visualforce Controllers
- Incorporate Visualforce pages into Salesforce.
- Use VisualForce tags to create page layouts, input forms, output tables, custom components, and more.
- Create partial page refreshes on JavaScript events
- Learn about the Functionality that comes with VisualForce standard controllers.

### » Security and Access

- Basic of configuring security and access settings in Salesforce CRM
- Setup your Company's Organization-wide defaults.
- Role Hierarchy and Sharing Modules.

## » Analytics

- Reporting in Salesforce CRM
- Dashboard
- How to create standard and custom reports by using different report types, filter criteria and custom summary formulas.

## » AppExchange

- What is AppExchange?
- How to search for and install applications from the AppExchange.
- How to manage and delete applications that you've installed.

## » Marketing Administration

- Learn about the marketing administration features available in Salesforce CRM Marketing.
- Learn how to create a campaign targeting both existing and new leads, convert leads, and measure campaign results.

## » Extending Salesforce CRM through Web Service/ Salesforce Integration

- Extend your Salesforce CRM through Web Services.
- Apex Callouts.
- SOAP vs RESTful Web Services
- Implementation of WebServices.

## » Testing in Salesforce CRM

- Overview of Testing Framework Salesforce in CRM
- How to write Test Cases for different apex components.

Partners :



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E-mail: [info@ducatindia.com](mailto:info@ducatindia.com)

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### NOIDA

A-43 & A-52, Sector-16,  
Noida - 201301, (U.P.) INDIA  
☎ 70-70-90-50-90  
☎/☎ +91 99-9999-3213

### GURGAON

1808/2, 2nd floor old DLF,  
Near Honda Showroom,  
Sec.-14, Gurgaon (Haryana)  
☎ 70-70-90-50-90

### GHAZIABAD

1, Anand Industrial Estate,  
Near ITS College, Mohan Nagar,  
Ghaziabad (U.P.)  
☎ 70-70-90-50-90

### PITAMPURA (DELHI)

Plot No. 366, 2nd Floor,  
Kohat Enclave, Pitampura,  
( Near- Kohat Metro Station)  
Above Allahabad Bank,  
New Delhi- 110034.  
☎ 70-70-90-50-90

### SOUTH EXTENSION (DELHI)

D-27, South Extension-1  
New Delhi-110049  
☎ 70-70-90-50-90  
☎ +91 98-1161-2707