# Online Traning

**Lesson 1: Getting Started with Salesforce Platform**

* Understanding Salesforce Platform
* Understanding Salesforce Terminologies
* Multitenancy & Cloud
* Understanding Salesforce Metadata & API
* Understanding Salesforce Architecture
* Declarative Vs. Programmatic Changes & Customizations
* Application Development Tools in Salesforce
* AppExchange as Application Development Strategy
* Finding & Navigating Salesforce Documentation
* Understanding Salesforce Trust

### **Lesson 2: Building Data Model in Salesforce & Business Process**

* Data Model
* Fields
* Relationship Fields
* Junction Object
* Schema Builder
* Business Logic

### **Lesson 3: Data Management**

* Data Management in Salesforce
* Exporting Data

### **Lesson 4: Introduction to Apex**

* Apex
* Apex Development Process
* Apex Development Tools
* Apex Governor Limits

### **Lesson 5: Data Types & Logic Control in Apex**

* Data Types
* Primitive Data Types
* Sobject Data Types
* Enum Data Types
* Collections Data Types
* Operations
* Logic Controls Statement

### **Lesson 6: Apex Classes**

* Classes
* Apex Class Variables & Methods
* Access Modifiers
* Class Constructors
* Inheritance
* Sharing
* Interface
* System Classes & Methods

### **Lesson 7: Sobject Relationships**

* API Names of object and field
* Relationship in Apex

### **Lesson 8: SOQL & SOSL Queries**

* Salesforce object Query Language (SOQL)
* SOQL Functions
* SOQL For Loops
* SOQL Keywords
* Relationship Queries
* Salesforce Object Search Language (SOSL)
* SOQL Vs SOSL

### **Lesson 9: Data Manipulation Language**

* Data Manipulation Language(DML)
* Transaction Control
* Database DML Options
* DML Operations on Records
* DML & Loops
* SOQL, DML & Governor Limits

### **Lesson 10: Apex Triggers**

* Apex Triggers
* Types of Apex Triggers
* Triggers & Their Execution Order
* Creating & Viewing Triggers
* Basic Trigger Syntax
* Trigger Context Variables
* Understanding Trigger Events
* Trigger Helper Class Pattern
* Bulkfield Trigger
* Handing Recursion in Triggers
* Restrict Save Operations with addError()
* Apex Trigger Best Practices

### **Lesson 11: Exception Handling**

* What are Exceptions?
* Exception Statements
* Types of Exceptions
* Common Exception Methods
* Catching Different Exception Types
* Custom Exception Classes

### **Lesson 12: Debugging**

* What is Debugging?
* What is Logs
* Debug in Developer Console
* Anonymous Blocks

### **Lesson 13: Testing Strategy**

* Apex Unit Tests
* Creating Test Data & Users
* Unit Test Methods
* Unit Test for Governor Limits
* Running Unit Tests
* UI
* Developer Console
* Force.com IDE
* Execute Anonymous Vs Test Classes

### **Lesson 14: Deployment Strategy**

* Requirements for Deploying Apex, Code Coverage
* Deployment Via Change Sets
* Workbench
* Application Lifecycle Management

### **Lesson 15: Visualforce Pages/MVC Pattern**

* Tags
* Expression Syntax
* Data Binding
* Action Binding
* Include Static Resources, Java Script, Style Sheets into Visualforce

### **Lesson 16: Controllers**

* Types of Visualforce
* Standard Controllers
* Data Binding
* Traversing Data
* Error Messages
* Actions
* Incorporate VF Into Application
* Custom Controllers
* Why Use Custom Controllers
* Invoking Custom Controllers & Extensions
* Controller Architecture
* Controller Methods
* Action Methods
* Navigation Methods
* Page Reference
* Controller Extensions
* Constructors
* Use in Visualforce Pages
* Deploying Controllers
* Security in Controllers & Visualforce
* Impact of Apex on Declarative Changes