

# SQL Server Reporting Services

LIVE Online Training (Version: SSRS 2016)

**Complete Practical & Real-time Training Sessions**



*A Unit of SequelGate Innovative Technologies Pvt. Ltd.*

→ ISO Certified Training Institute

→ Microsoft Certified Partner

## Training Highlights

- ✓ Complete Practical and Real-time Scenarios
- ✓ Session wise Material and Practice Labs
- ✓ Session wise Notes & Doubts Clarifications
- ✓ Certification Material & Resume Preparation
- ✓ 24x7 LIVE Server Access with Real-time Databases
- ✓ Interview Preparation and Guidance
- ✓ Technical Support and Placements Assistance
- ✓ One Real-time Project and FAQs with Answers
- ✓ Mock Interview and Course Completion Certificate

**All Training Sessions are Completely Practical & Real-time**

Every session includes Study Material and Practice Material. Course includes total of 10 Sessions.

Total Course Fee: INR 7000/- [USD 120]

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# SQL Server Reporting Services (SSRS)

All Our Training Sessions are COMPLETELY PRACTICAL & REALTIME with Hands-On Lab.

## DAY 1: SSRS INSTALLATION, CONFIGURATION

- ✓ Need For Reporting Solutions (SSRS) and Tools
- ✓ Reporting Engine Architecture and Report Databases
- ✓ SSRS Installation, Tools and Database Configuration
- ✓ SSRS 2016 : Installation and Report Databases
- ✓ SSRS 2014 : Installation and Report Databases
- ✓ Report Server URL - Purpose, Test Connection, Usage
- ✓ Report Manager URL - Purpose, Test Connection, Usage
- ✓ Report Portal URL in SSRS 2016 - Usage, Web Service
- ✓ Three-Phase Report Life Cycle in Reports (End-End)
- ✓ Report Server Database and Report TempDB
- ✓ Virtual Directories (VD) in Web Services - Settings
- ✓ Communication Ports, Data Encryption, Web Portal URL
- ✓ Report Design & Work Flow Diagram - Lab Plan
- ✓ Report Design with Report Designer & Report Builder
- ✓ Report Builder Versus Report Designer - Basic Differences
- ✓ SSDT: SQL Server Data Tools Installation, Verification
- ✓ SSDT 2017, 2015 and SSDT 2013 Installation, SSRS
- ✓ SSRS 2016 Report Portals and Accessibility

## DAY 2: REPORT DESIGN - I

- ✓ Working with Visual Studio - SQL Server Data Tools
- ✓ Report Templates and Basic Usage. Project, Solution
- ✓ Designing Basic Reports - Understanding Entities
- ✓ Working with Report Project Wizard - Usage, Reports
- ✓ Defining Data Source Connections, Source Databases
- ✓ Query Designer Options, Query Builder & Imports
- ✓ Table Reports and Matrix Reports with Report Wizard
- ✓ Layout and Formats - Drilldown Reports, Blocks
- ✓ Stepped Reports and Multi Field Drilldown Options
- ✓ Report Project Template - Designing Dataset, Reports
- ✓ Report Toolbox and Report Data, Textbox Usage
- ✓ Table Headers, Formatting Options, Expressions
- ✓ Alternate Row Colors, Report Globals, Expressions
- ✓ Report Formatting Styles, Expressions & Reusability
- ✓ SSRS Functions: IIF, Format, Ceiling, Round, Concat
- ✓ Alternate Row Colors & Dynamic Formatting Options
- ✓ Textbox Properties - Date & Time Formats, Styles
- ✓ Report Timeout and Static/Dynamic Properties

## DAY 3: REPORT DESIGN - II

- ✓ Grouping Operations: Row Groups, Column Groups
- ✓ Table Report - Row Groups, Parent - Child Groups
- ✓ Adding Groups to Existing Rows and New Rows
- ✓ Group Headers and Group Footers - Usage, Sub Totals
- ✓ Group Field Visibility and Toggle Options @ Parent
- ✓ Row Group Properties, Header/Footer Properties
- ✓ Column Groups for Table Reports, Advanced Options
- ✓ Repeat-On-New-Page Options and Report Properties
- ✓ Column Groups for Matrix Reports, Data Grouping
- ✓ Drill-down Reports using Row Groups and Visibility
- ✓ Drill-down Reports using Column Groups, Visibility
- ✓ Table Reports Vs Matrix Reports - Technical Differences
- ✓ Adding Images to Reports. Tooltip and Size Options
- ✓ Report Headers & Report Footers - Globals, Expressions
- ✓ Merging Report Fields, Sub Totals and Grand Totals
- ✓ Group Edits, Removing Group Totals, Group Headers
- ✓ Column Groups - Advance Mode - Fixed Attributes, Fields
- ✓ Repeating Header on Every Page & Repeat Page Options
- ✓ Report Globals for Metadata, Report Properties

## DAY 4: REPORT DESIGN - III

- ✓ Report Parameters - Purpose, Benefits and Usage
- ✓ Creating Parameters using Dataset Query Conditions
- ✓ Parameters using Report Properties, Report Data
- ✓ Single Value Parameters and Multi Value Parameters
- ✓ Dynamic Parameter Values, Dependency Options
- ✓ Datasets with Parameters, Dynamic Conditions
- ✓ Dataset Links to Parameters, Value Options from List
- ✓ Multi-Value Parameters: Data Types, Empty Values
- ✓ Reports using Multiple Data Sets. Performance Issues
- ✓ Advanced Options : Auto Refresh, Manual Refresh
- ✓ Dataset Filters, Toolbox Filters - Purpose and Usage
- ✓ Filters Vs Parameters - Differences with Performance
- ✓ Using Filter Condition at Dataset Level, Toolbox Level
- ✓ Data Type Conversions: Filters and Expressions
- ✓ Parameters and Filters - When to use which, why?
- ✓ SSRS Expressions & Global Fields, Report Parameters
- ✓ JOIN, FIELDS, LABEL, Parameter Formatting Options
- ✓ Linking Report Parameters to Dataset Parameters and Filters

## DAY DEO 5: REPORT DESIGN - IV

- ✓ Chart Reports - Design Options, Properties and Usage
- ✓ Series Values Selection - with / without Category Groups

## DAY 6: REPORT DESIGN - V

- ✓ Gauge Reports: Purpose and End User Access Options
- ✓ Gauge Report Types - Radial and Linear Gauges

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- ✓ Report Categories with Series Groups - Differences
- ✓ Data Visualization Types: Trend & Discrete Chart Reports
- ✓ Clustered / Non Clustered Attributes. Position Options
- ✓ Series Labels : Number Formatting Options, Visibility
- ✓ Series Actions : Properties, Multi - Valued Parameters
- ✓ Report Actions : URL / Reports, Setting for Report Filters
- ✓ Axis Values - Issues with Multiple Axis Items, Solutions
- ✓ Dashboard Creations, Multiple Chart Areas, Legends
- ✓ Dashboard Exports with Filters (Static, Parameterized)
- ✓ Chart Series and Options, Report Markers & Grid Values
- ✓ Chart Areas with Multiple Toolbox Items - Limitations
- ✓ 3-Dimensional Reports - Properties, Visibility Options
- ✓ Range & Pie Charts, Line Reports, Data Bars, Area Charts
- ✓ Report Actions with Parameter Values - Report Filter Joins
- ✓ Exploring Toolbox Filters with Type Expressions
- ✓ Common Report Errors with DataSet / Report Filters,
- ✓ Using Shared Data Sources and Shared DataSets
- ✓ Data Bar Reports & Sparkline Reports - Stacked Reports
- ✓ Multi Series Charts, Dynamic Charts, Axis Display Control

- ✓ Adding Data to Gauge Report - Default Indicators
- ✓ Gauge Data Versus Chart Data - Pointer Options
- ✓ Scale: Maximum, Minimum Dynamic Ranges
- ✓ Browser Compatibility and Offline Report Access
- ✓ Gauge Properties, Gauge Panel Properties and Filters
- ✓ Master Reports and Detailed Reports - Sub Reports
- ✓ Scale - Properties, Values and Label Options
- ✓ Pointers - Properties, Scale Limits, Format Options
- ✓ Ranges & Labels, Report Items, Needle Options
- ✓ Adding Multiple Gauges - Dashboard, Dynamic Size
- ✓ Parameterized Gauge Reports - Dataset and Filters
- ✓ Indicator Reports : Value and State Expressions
- ✓ Indicator Reports & Gauge Panel with Filters
- ✓ Reports with ODBC Connections, DSN Creations
- ✓ ODBC Data Source Administrator Tool For Excel
- ✓ 3D PieCharts and Aggregations with Excel Reports
- ✓ ODBC Data Source Connection Reuse & Worksheets
- ✓ Dynamic Report Parameters and Filter Expressions
- ✓ Rendering Formatting & Real-world Considerations

#### DAY 7: REPORT DESIGN - VI

- ✓ Report Builder Tool - 2016, 2014, 2008 R2 Installation
- ✓ Installation Verification Options, .msi File Configuration
- ✓ Data Source and DataSet Creation with Report Builder
- ✓ Local Report Specific Entities and RDL File Creations
- ✓ Entity Browsing Options and Query Design Options
- ✓ Dataset Design with Parameters & Filters. Usage Options
- ✓ Query Designer with Report Builder, Table Selection
- ✓ Column Aggregates and Auto Group BY. Query Edits
- ✓ Adhoc Reports Design with Tablix Wizard - Layouts
- ✓ Report Design - Sub Totals, Drill-down & Column Groups
- ✓ Chart using Report Builder - Line Reports & Options
- ✓ Dataset Design with Parameters & Filters. Usage Options
- ✓ Lines and XValue Options using Report Builder Tool
- ✓ Trend Analysis - Continuous Data Reports - OLTP / DWH
- ✓ Map Reports - Map Layers, Map Report Items and Options
- ✓ Map Gallery, ESRI Share Files, SQL Server Spatial data
- ✓ Geo Spatial Data for Business Analysis Dashboards
- ✓ Working with Polygon, Tile, Line and Point Map Layers
- ✓ Map Visualization Options and Bubble Map Reports Usage
- ✓ Data Fields, Display Labels and Visualization Indicators

#### DAY 8: REPORT DEPLOYMENT & SUBSCRIPTIONS

- ✓ Report Deployment Options - Report Builds, Config
- ✓ Data Source, Data Set Folders, Report Server URL
- ✓ Report Deployment - UI & Command Line. RSKey
- ✓ Report Server & Report Manager (Web Portal) URLs
- ✓ Report Home, Site Settings & Report Settings
- ✓ Data Sources: Properties, Security & Access Options
- ✓ DataSets: Properties, Security and Dependent Items
- ✓ Reports: Properties, Security, Edits, Downloads
- ✓ Security: Content Manager, Browser, Report Builder
- ✓ MyReports, Report Publisher Roles. Report Groups
- ✓ Report Linking and Default/Hidden Parameter Options
- ✓ Report Tuning: Caching Options, Cache Refresh
- ✓ Report Tuning: Snapshot Options & Schedules
- ✓ Report Tuning: Off-the-Shelf Reports, Linked Reports
- ✓ Local & Global Schedules, History Management, Jobs
- ✓ Report Builder Connections and Reusability Options
- ✓ Report Parts & RS Storage Options. Paginated Reports
- ✓ Report Delivery & Schedules, File Share Subscriptions
- ✓ Accessing & Controlling Reports, Email Subscriptions
- ✓ Encryption Keys & RS Config Files, RS Execution Accounts

#### DAY 9: CUBE REPORTS, POWER BI INTEGRATION

- ✓ Scale-Out Deployments and Remote Report Databases
- ✓ Remote Report Database Connections, Recovery Options
- ✓ Scale-Out Joins and Waits. Report Configuration Keys
- ✓ Multi-Report Server Configurations, Execution Accounts
- ✓ Report Designer Versus Report Builder - Advantages
- ✓ Cube Reports with SSRS - MDX Queries. Advantages
- ✓ Cube Reports - MDX Parameters & Filters, Performance
- ✓ Cube Reports - MDX Expressions, YTD, QTD Calculations

#### DAY 10: Real-time Project @ ERP

**End-to-End Reporting Solutions,  
Dashboards, KPIs, Mobile Reports,  
Builds, Deployments, Subscriptions,  
Tuning, Jobs, Audit Logs and more..!**

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- ✓ Reports with SSAS KPIs and Cube Aggregations - MOLAP
- ✓ Cube Reports with Tabular Data Sources. Hierarchies
- ✓ Sub Reports, Dashboards, Actions with Report Builder
- ✓ Drill-Up and Drill-Down Reports, Drill Through Reports
- ✓ Report Actions @ SSAS 2016 OLAP Databases
- ✓ Power BI Reports with SSRS - Desktop / Mobile Editions
- ✓ Power BI PBX Reports with RDL Sources, Vice Versa
- ✓ Power BI Reports with SSRS and SSAS Connections
- ✓ Power View and Power Pivot Extensions, Usage Examples
- ✓ New SSRS Tuning Features in 2016, Report Migrations

**Versions: SSRS 2014 and SSRS 2016**  
**Environment: SSDT 2013, SSDT 2017**  
**Database Size: 250 GB**  
**No. Of Tables: 74**  
**Platform: ERP**

**ALL TRAINING SESSIONS ARE COMPLETELY PRACTICAL, REAL-TIME.**

### Pre-requisites for this Course:

Prior knowledge on T-SQL needed for this course. Participant needs to have knowledge on SQL Server Installation, Database Design, Table Design, T-SQL Data Types and Stored Procedures.

### About Trainer:

**Mr. Sai Phanindra Tholeti** is a Database Consultant working for his own company - *SequelGate Innovative Technologies Pvt. Ltd.* With more than 11 years of expertise and passion for SQL Server, Administration (SQL DBA) and Business Intelligence (MSBI) - Mr. Sai provides Data Hosting, Business Consulting to Corporate Clients. All his training sessions are completely **practical**, **real-time** and highly **interactive**. Complete profile at <http://www.linkedin.com/in/saiphanindra>

For Free Demo / Further Clarifications, please reach us.

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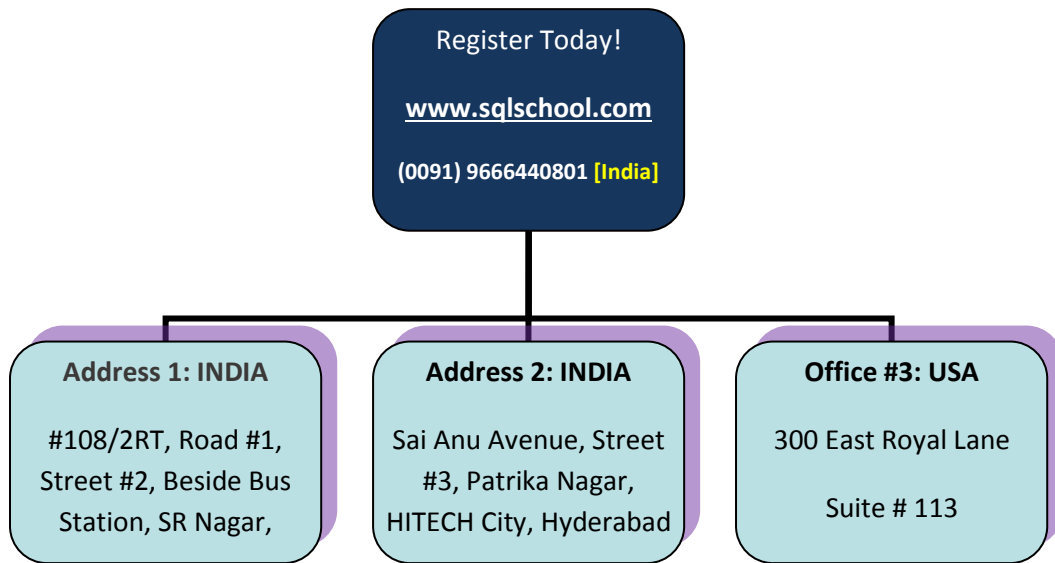
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