# TABLEAU CLOUD COURSE

## Module 1: Data warehouse Concepts

- Introduction about DWC (Data warehousing Concepts)
- Dimensions, Measures, Keys
- Types of Dimensions
- Types of Keys
- Identifying Keys
- Types of Joins
- How to identify Fact and dimension tables
- Schema introduction
- Types of Schema
- Task

## Module 2: Business Intelligence

- Introduction about Business Intelligence
- Evolution of BI
- Categories of BI
- BI tools Comparisons
- OLAP and OLTP concepts

## Module 3: Tableau Introduction

- Tableau Introduction
- Products of Tableau
- Features of Tableau
- Architecture of Tableau

## Module 4: Data connectivity

- Importing data to Tableau
- Creating relationships
- Manage relationships
- Types of Joins
- Star and Snowflake connectivity
- Join using Composite Primary Key
- Union
- Data Interpreter
- Task

## Module 5: Data Source

- Data source tab Introduction
- Handling multiple source
- Types of connectivity
- Settings in Data Source
- Identify Dimension and Measure using colour.
- Renaming fields
- Pivot
- Task

## Module 6: Sheet

- Sheet Introduction
- Data tab overview
- Create a calculated field for Dimension and Measure.
- Understanding fields
- Aggregation Functions
- Date functions
- String functions
- Bin and Grouping
- Effective usage of columns and rows
- Task

## Module 6: Filter

- Filter Introduction
- Types of Filters
- Data Source and Extract Filter
- Conditional Filter
- Dimension Filter
- Measure Filter
- Date Filter
- Relative Date Filter
- Relevant Value Filter
- Context Filter
- User Filter and Quick Filter
- Top and Bottom filter
- Global Filter
- Set Filter and its types
- Task

## Module 7: Parameter

- Parameter Introduction
- Steps to create parameter.
- Use parameter for Dimension
- Use parameter for Measure
- Use parameter for Date
- Use parameter for Sorting
- Use parameter for filter Selection
- Task

## Module 8: Data Blending and Marks

- Data Blending Introduction
- Join vs. Blend with practical example
- Blending using multiple data source
- Marks Introduction
- Marks types
- Effective usage of marks with practical scenarios
- Task

## Module 8: Data and Worksheet menu

- Refresh Data Source
- Data Source replacement
- Edit Data source filters
- Various options in Worksheet
- Task

## Module 9: Charts – Show me

- Stacked and Column Charts
- Trend Charts
- Table and Matrix
- Text and Highlight tables
- Circle views and Area Charts
- Treemaps of Scatter chart
- geographical maps and its properties
- Histogram and bubble Charts
- Create custom visual charts using tricks
- Task

### Module 10: LOD – Level of Details

- LOD Introduction
- Types of LOD
- Syntax
- Coherent Analysis using LOD
- Scenario questions and discussion related to LOD
- Task

### Module 11: Analytics vs. Analysis

- Analytics – Summarise
- Analytics – Model
- Analytics – Forecasting
- Custom Analytics
- Various options in Analysis tab
- Adding Totals, Grand totals, Row and Column totals
- Control layout and table properties
- Task

### Module 12: Dashboard

- Dashboard introduction
- Objects
- Dashboards for different devices
- Size Adjustment
- Dashboard layout
- Formatting dashboard
- Task

### Module 13: Story and Actions

- Story introduction
- Creating Storyboard
- Properties of Storyboard
- Actions introductions
- Types of Actions
- Creating actions with practical scenarios
- Discussion on effective usage of action in dashboard

## Module 14: Format menu and Annotate

- Various options in Format menu
- Annotate values in charts
- Types of Annotate
- Performance tuning techniques
- Order of Execution in Tableau
- Various Export Options in Tableau