

Faculty : Mr. GANESH (8+ yrs of experience in IT & Certified Professional)  
Duration : 45 Days

## **SAS 9.1.3**

### **→ PART-I**

#### **SAS/BASE**

- ❖ Introduction To Sas System & Architecture
- ❖ History And Various Modules
- ❖ Features
- ❖ Variables & Sas Syntax Rules
- ❖ Sas Data Sets
- ❖ Data Set Options
- ❖ Operators
- ❖ Reading Raw Data
- ❖ Infile Statement With Options
- ❖ Working With External Files & Options
- ❖ Multiple Observations
- ❖ Input Styles
- ❖ Select Statement
- ❖ Leave and Continue Statements
- ❖ Retain Statement
- ❖ Creating & Redefining Variables
- ❖ Where Statement
- ❖ If – Then Else Statement
- ❖ Goto, Stop And Error Statements
- ❖ Output Statement, Put Statement
- ❖ Do Loops
- ❖ Array Statement
- ❖ Date Informats, Formats
- ❖ Date And Time Functions
- ❖ Modifying And Combining Data Sets
- ❖ Updating Master Data Set
- ❖ Key Board Macros & Add Abbreviations
- ❖ Display Manager Commands
- ❖ SAS Functions
- ❖ Finding Duplicate Observations

#### **BASE SAS PROCEDURES**

- ❖ Proc Print
- ❖ Proc Means

- ❖ Proc Freq
- ❖ Proc Plot
  
- ❖ Proc Chart
- ❖ Proc Compare
- ❖ Proc Copy
- ❖ Proc Summary
- ❖ Proc Append
- ❖ Proc Datasets
- ❖ Proc Contents
- ❖ Proc Delete
- ❖ Proc Format
- ❖ Proc Import
- ❖ Proc Export
- ❖ Proc Printto

## → PART -II

### SQL CONCEPTS

- ❖ Introduction
- ❖ History
- ❖ Features
- ❖ Sql Command Set
- ❖ Operators In Sql
- ❖ Order By Clause
- ❖ Group By Clause
- ❖ Having Clause
- ❖ Distinct Clause
- ❖ Create and Insert
- ❖ Deleting,Populating And Updating
- ❖ Sub Queries
- ❖ Views and Joins

### SAS/SQL

- ❖ Introduction To Sas/Sql
- ❖ Features
- ❖ Uses
- ❖ Terminology
- ❖ Data Types, Key Words, & Operators
- ❖ Functions, Predicates
- ❖ Formatting Output
- ❖ Group By Clause



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- ❖ Order By Clause
- ❖ Having Clause
- ❖ Case Expression And Conditional Logic.

- ❖ Creating ,Populating & Deleting Tables
- ❖ Constraints
- ❖ Alter Table Statement
- ❖ Changing Column's Length
- ❖ Joins
- ❖ Constraints
- ❖ Renaming A Table & Columns
- ❖ Views

### **SAS/ACCESS**

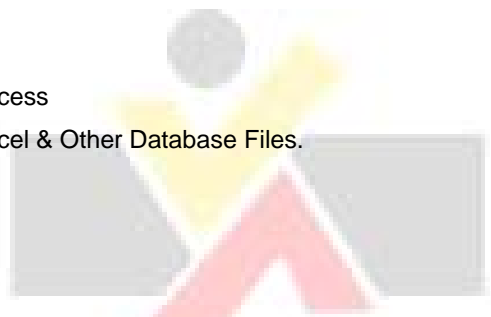
- ❖ Working With Oracle
- ❖ Working With Ms-Access
- ❖ Working With Ms-Excel & Other Database Files.
- ❖ DbLoad Procedure

### **SAS/GRAPH**

- ❖ Gchart Procedure
- ❖ Vertical, Horizontal, Pie
- ❖ Donut
- ❖ G3d
- ❖ Group,Subgroups
- ❖ Gplot Procedure
- ❖ Mutliple Plots & Overlay
- ❖ Symbol Statement
- ❖ Title And Footnote Statemnts
- ❖ Goptions

### **SAS/REPORTS**

- ❖ Frequency Report
- ❖ One-Way Frequency Report
- ❖ Cross Tabular Frequency Report
- ❖ Summary Statistics
- ❖ Creating A List Report
- ❖ Define Statement
- ❖ Order Usage and Group
- ❖ Printing Grand Totals
- ❖ Rbreak Statement



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- ❖ Tabulate Procedure
- ❖ One-Dimensional Tables
- ❖ Two-Dimensional Tables
- ❖ Obtaining A Total
- ❖ Analysis Variables with options
- ❖ Summary Statistics

### **SAS/MACROS**

- ❖ Macro Concepts
- ❖ Macros And Macro Variables
- ❖ Creating Macro Variables
- ❖ Using Macro Variables
- ❖ Creating Modular Code With Macros
- ❖ Invoking A Macro
- ❖ Adding Parameters To Macros
- ❖ Macros With Conditional Logic
- ❖ Using Various Procedures In Macros
- ❖ Automatic Variables
- ❖ Macro Functions & Call Symput
- ❖ Including External Macros

### **SAS/STAT**

- ❖ Proc Univariate
- ❖ Proc Corr
- ❖ Proc Reg
- ❖ Proc Anova

### **SAS/ODS**

- ❖ Creating Rtf File
- ❖ Creating Html File
- ❖ Creating Pdf File

### **SAS/WAREHOUSE ADMINISTRATOR**

- ❖ Introduction To DW
- ❖ Relationship Between SAS And Data Warehousing
- ❖ Database Designing
- ❖ Types Of Schema
- ❖ Global Warehouse Designing Steps

### **SAS/ETL**

- ❖ Introduction To ETL
- ❖ Application Of ETL In DW
- ❖ ETL Process Model Development In SAS With Project

→ PART-III (Only One Project)

❖ CLINICAL PROJECT

❖ BANKING PROJECT

NOTE: FREE COURSE MATERIAL



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