



WILLPOWER

Technologies

SAS 9.4

MODULES

- **Introduction to SAS**
- **Introduction to OLAP**
- **Introduction to ETL**

1. BASE /SAS

- Sas Windowing Environment
- Working with Creating Libraries
- Importing and Exporting Tables
- Working with Tables in Viewable
- Working with Sas Programming
- Working with Input Styles
- Working with Sas Statements,Options
- Working with Sas Functions (Numeric ,Character,Date)
- Working with Sas system Options
- Working with Sas outputs
- Using ODS System
- Using DDE Concept
- Working With Procedures In Sas
- Files System In sas
 - Using file protection
- ERROR processing And DEBUGGING
- Working with SAS Engines
- Working with Reading Messy Data

2. SAS/SQL

- Introduction to SQL
- DBMS System
- RDBMS System
- HDBMS System
- NDBMS System
- ODBS System
- Rules Of RDBMS

DESIGNING OF DATABASE

WORKING with **creating** Users

Working with **integrating Sas** with **SQL**

Working with Creating Database Table

Working with **Data** Query Solving

Working with Sas Query Window

Working with **Joins**

Working with **Saving** Query

Designing and Saving Reports

Counting and **Grouping data** automatically

Changing **Access Modes**

Working with **setting profiles**

Using the **Automatic Lookup Feature**

Building Calculated Columns

Data Base Working Structure

3. Sas/Macro

Introduction to the Macro Facility

Working With **Sas programs** and **Macro Facility**

Introduction to **Macro Processor** and **Macro Language**

Working with **Macro Variables** and **Programs**

Working with **Call Routines**

General Macro **Debugging** and **Error Handling**

Working with **Macro Statements**

Working with **Macro Functions**

Working with **Auto Call Macro Libraries**

Working with **Automatic Macro Variables**

Working with **Parameters in Macro**

Working with **Macro Quoting Functions**

Working with Macro Variables **Resolution ERROR**

Using Of %Global and %Local Statements

Creating a series of, with **single Macro Call in SCL submit Block**

Bill-of-Material Post programming Macros

Working with **Tokens Sas Tokens**

Working **Structure of Macros in Sas**

Macro Variables and **System Options for Relational Databases**

4. Sas/Access

ACCESS Features by Host

Threaded Reads in SAS/ACCESS

Data Integrity and Security

Data Set Options for Relational Databases

ACCESS for DB2 under OS/390

ACCESS for DB2 under UNIX and PC Hosts

ACCESS for Informix

ACCESS for Microsoft SQL Server

ACCESS for ODBC

ACCESS for OLE DB

ACCESS for Oracle

ACCESS for Oracle Rdb

ACCESS for SYBASE

ACCESS for Teradata

Working Structure of Sas/Access in sas

5. Sas/Connect

Using **Sas Connect General Options**

Using **SAS/SECURE and SAS Proprietary Encryption Services**

Using **SSL Options**

Using of **Starting and Stopping SAS/CONNECT**

Using **Script Files**

Using **Component Language (SCL) Functions and Options**

Using **Script Statements**

Using **Compute Services and Macro Processing**

Using **Remote SQL Pass-Through (RSPT)**

Using of **Combining Compute Services and Data Transfer Services**

Using Of **Break Windows**

Compute Services **Troubleshooting**

Working Structure Of SAS/Connect

6. Sas/AF

Introduction to AF

Working in the **Frame Application Development** Environment

Developing **Frames** for your Application

Creating custom **components**
Working with **SCL CODE**
Customizing workspace options
Working with SAS Component **Object Model**
Using AF **Development Tools**
Building **Character-Based** Applications

7. **Sas/Assist**

Data **Management**
Report Writing
Report Engine
Graphics
Data **Analysis**
Query and Reporting
Setting Up and **Customizing Master and Group Profiles**
Setting Up **Query Managers**
Creating **Metadata**

8. **Sas/IntrNet**

Introduction to **Intranet**
Using MDDB Report Viewer
Using **Support for Access Control** Features
Setting Up the MDDB Report Viewer
Working with **Repositories**
Working with **System Repository Manager Location**
Working With **System Repository Manager Files.**
Defining the **Repository to Application Dispatcher**
Setting Up the **SASHELP Repository**
Working **Troubleshooting Problems and Finding Solutions**
Working with **Advanced Customizations**
Customizing the **MDDB Report Viewer with Cascading Style Sheets**

9. **Sas/Integration Technologies**

Introduction and Related Topics
Working With Integrated Object Model (IOM) server/Client
Using the Internet Inter-ORB Protocol (IIOP)
Using CALL routine, PACKAGE_PUBLISH.

10. **Sas/Share**

Using **Multi-User Data Server**
Working With **Accessing SAS Files** through an **Operating Environment**
Working With **Accessing SAS Files** through a **SAS/SHARE Server**

Working with **Remote Library** Services Provides **Remote File Access**
Working with **Fast-Track Approach** of **Server**.
Working With **Specifying a Communications Access Method**
Using **Starting a Server**
Server Security
Working with **End-User Applications to Access Shared Data**.
Using **Locking SAS Data** Objects,
Interpreting **Server Log** Messages, **Analyzing the Server Log**

11. Sas /Ware House Administrator

Introduction to **WHA and Process**
Working with **Designing Data Warehouse**
Working with **OLTP**
Working with **METADATA**
Creating **ODD's** And **ODD Group**
Creating Of **MAPPING, Fact Table**
Working With **DBMS CONNECTIONS**
Working Structure_

12. Sas/OLAP SERVER /OPEN OLAP SERVER

Introduction to **OLAP/ OPEN OLAP SERVER**
TYPES Of OLAP
Working With **Access Control Administration**
Working With **Access Control Display**
Working with **Access Control Server**
Working With **Model Coordinator**
Working With **Model Manager Local Functions, Model Manager**

Engine

Working With **Metabase**.

Working with **MDDB SERVER**

Working Structure_

13. Sas/EIS(Enterprise Information System)

Introduction to **EIS**
Creating a **Multidimensional Database**
Creating an **Application Database**
Creating **Reports** Using the **Report Gallery**
Printing Reports
Working with **Distributed Multidimensional Metadata Facility**
Using **Common Metadata Repository**
Creating Objects

14. Sas/ETS(Econometric Time Series)

Introduction to ETS

Using the **Time Series Forecasting System**

Using **Investment Analysis**.

Systems modeling and simulation

Discrete choice analysis

Analysis of **qualitative** and **limited dependent** variable models

Seasonal adjustment of time series data.

Financial analysis and **reporting**

Access to economic and **financial** databases

Time series **data management**

15. SaS/HIGH –Performance Forecasting

Using **Smoothing Models**

Using **Intermittent Models**

Using of **Series Transformations**

Using of **Series Diagnostic Tests**

16. Sas/GIS (Geographic information system)

Introduction to GIS System

Working with **GIS Command**

Using the **GIS Object** in **Frame Application**

Working With **Importing Spatial Data**

Working with **Preparing Spatial Data**

Working with **Batch Geocoding**

Working with **Calculating Chain Rank**

17. SaS/INSIGHT

Introduction to Insight

Using **Entering Data**

Using **Examining Data**

Using **Exploring Data in One Dimension**

Using **Exploring Data in Two Dimensions**

Using **Exploring Data in Three Dimensions**

Working with **Adjusting Axes and Ticks**

Using **Labeling Observations, Hiding Observations, Marking Observations, Coloring Observations, Examining Distributions, Fitting Curves, Multiple Regression, Analysis of Variance, Logistic Regression, Poisson Regression, Examining Correlations, Calculating Principal Components, Transforming Variables, Comparing Analyses, Analyzing by Groups, Animating Graphs, Formatting Variables and Values, Editing Windows, Saving and Printing Data, Saving and Printing Graphics, Saving and Printing Tables**

18. Sas/Stat(Statistics)

Introduction to Stat

Using Analyst Application

Working with Statistical Functions

Working with **Analysis-of-Variance** , **Categorical Data Analysis**, **Multivariate analysis**, **Cluster data Analysis**, **Scoring**, **Standardization**, and **Ranking**, **Survival Analysis** **Survey Sampling and analysis**, **Nonparametric Analysis**, **parametric Analysis**, **Structural Equations with Latent Variables**, **Regression analysis**.

19. Sas/OR(Operational Research)

Introduction to O R

Working with Bills of Material Processing

20. Sas/MR(Market Research)

Introduction to Market Research and its Use

Working with **Conjoint Analysis**

Working with **Correspondence Analysis**

Working with **Discrete Choice Analysis**

Working with **Multidimensional Scaling Analysis**

Working with **Multidimensional Preference Analysis**.

Duration: 2montrhs

Faculty: Prasad

Fees: 6500/-

