



## Sas Summer Training

NTHRYS provides Sas Summer Training for interested candidates at its Hyderabad facility, Telangana. Please refer below for more details including Fee structures, Eligibility, Protocols and Modules etc.,. Please do call / message / whatsapp for more details on 9014935156 [India - +91]

**Eligibility:** BSc / BTech / MSc / MTech / MPhil / PhD in any Life Sciences studying or completed students

### Protocols / Techniques Covered

**Eligibility:** Minimum Intermediate [In any group] passed candidates are eligible

### Various SAS Domains available at NTHRYS

1. AUTOMOTIVE (AUTOMOBILES)
2. BANKING
3. CAPITAL MARKETING
4. COMMUNICATIONS
5. DEFENCE & SECURITY
6. GOVERNMENT
7. HOTELS
8. INSURANCE
9. LIFE SCIENCES
10. MANUFACTURING
11. MEDIA
12. RETAIL
13. SMALL & MIDSIZE BUSINESS
14. CLINICAL
15. AGRICULTURE
16. SALES
17. TRAVEL & TRANSPORTATION
18. OIL & GAS
19. HEALTHCARE
20. HEALTH INSURANCE
21. CASINOS
22. CONSUMER GOODS
23. HIGH-TECH MANUFACTURING

- 24. HIGHER EDUCATION
- 25. P-12 EDUCATION
- 26. UTILITIES

**Below module is also provided Online. [ SAS Online Training ]**

<b>BASE SAS</b>
- Navigation of SAS Software Tool
- STEPS For Writing the SAS Program
- SORT PROCEDURE
- PRINT PROCEDURE
- SUBSETTING data(OBS) by using WHERE Condition with various OPERATORS
- Controlling which OBSERVATIONS to be read from INPUT to OUTPUT dset
- Controlling which VARIABLES to be read from INPUT to OUTPUT dset
- Creating Multiple Output Datasets from One Single INput Dataset
- FORMATS
- RETAIN STATEMENT
- SUM ASSIGNMENT STATEMENT
- BY GROUP PROCESSING
<b>Reading Data from Raw Data Files and Creating SAS Dataset</b>
- DATALINES STATEMENT
- LIST INPUT STYLE
- Reading Multiple Observations Per Record DOUBLE TRAILING @@ on INPUT statement
- When Missing Values at the end of the record
- Reading Multiple Records Per Observation
- COLON MODIFIER
- SINGLE TRAILING (@) ON INPUT STATEMENT
- COLUMN INPUT STYLE / FIXED WIDTH INPUT STYLE
<b>FUNCTIONS</b>
- CHARACTER FUNCTIONS
- COMPRESS Function
- CONCATENATE FUNCTION / CONCATENATE OPERATOR
- CONCATENATE FUNCTION
- SUBSTRING Function
- FIND Function
- INDEX Function
- SCAN Function
- TRANWRD Function
- NUMERIC FUNCTIONS
- MATHEMATICAL FUNCTIONS
- DATE TIME FUNCTIONS
- Data Type Conversion Functions
<b>Report Procedure / Summary Procedures</b>
- Frequency Procedure

- MEANS PROCEDURE
- Dealing with MISSING values in PROC MEANS
- PROC SUMMARY
- PROC UNIVARIATE
- Tabulate Procedure
- REPORT PROCEDURE
- Creating a Detailed Report by enhancing output results
- Creating a SUMMARIZED Report by using GROUP USAGE
- DISPLAY USAGE
- Creating new computed variables from existing variables using COMPUTE BLOCK
- ACROSS USAGE
- REPORT BREAKS
Combining Sas Datasets
- Concatenation
- Merging of datasets (horizontally)
- ONE to ONE READING and ONE to ONE MERGING
- MATCH MERGING
- UPDATING & MODIFYING
- MISSINGCHECK / NOMISSINGCHECK Options
<b>Additional Transformations</b>
- Contents Procedure
- Selecting the VARIABLE RANGE LIST using
- Proc Sort with NODUPKEY and NODUPRECS
4. TRANSPOSE
- ARRAYS
- Do While / Do Until
- Append Procedure
- DEBUG in SAS
<b>ADVANCED SAS</b>
SAS SQL
- Enhancing the output results using PROC SQL
- GROUP BY Statement
- SUBQUERIES
- DISTINCT Keyword
- VALIDATE Keyword
- Joins
- SET OPERATORS
- DELETING ROWS
<b>MACROS</b>
- Macro Introduction
- Macro Variable Storage
- Macro Options
- Macro Parameters
- Additional Macro Programs
- Creating MacVars using Proc Sql

- Creating a Macro Variable During Data Step Execution
- Symget Function to Search for Macro Variable Value
- Auto Call Macros
- Macro Debugging System Options
- Storing Stored Compiled Macr Program to a Permanent Library

**Note: Only Online Training Mode is available.**

**5 Days Duration**

8 - 10 hours a day, covers selected concepts in the above modules

**10 Days Duration**

6 - 8 hours a day, covers selected concepts in the above modules

**20 Days Duration**

5 - 6 hours a day, covers entire module

**1 Month Duration**

3 - 4 hours a day, covers entire module + 1 Minor Project

**45 Days Duration**

3 - 4 hours a day, covers entire module + 1 Major Project

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Fee details in Rs per student					
Fee	5 Days	10 Days	20 days	1 Month	45 Days
Individual	29700	31400	40600	50900	61000
Group 2 - 4	28100	28100	38500	48500	58000
Group 5 - 7	27800	27800	38100	48000	57400
Group 8 - 10	27400	27400	37600	47500	56900