Advanced Post Graduate Diploma in Biostatistics & SAS

Designed primarily for the students of statistics, pharmacy, clinical research, and allied health professions, Introduction to Statistics in Pharmaceutical Clinical Trials will also be invaluable to professionals entering the pharmaceutical, biotechnology, and contract research organization industries who wish to gain a broader understanding of study design, research methodology, and statistical analysis and interpretation in clinical trials. Course has been divided into three modules. In First module, we cover the basic aspects of Biostatistics which help the learner to understand the subject thoroughly. In the Second module, we are focusing on SAS programming. In the Third module, we cover clinical data analysis and reporting using SAS software.

Program Details **:** The program would cover

Module I

BASICS OF BIOSTATISTICS

- Introduction to Research and Statistics/Descriptive Statistics/Probability
- Distributions
- Sampling Distributions/Statistical Inference
- Correlation and Regression
- Choosing Statistical Tests/ T-Test, Chi-Square Test, ANOVA, etc
- Analysis of Categorical Data and Non Parametric Tests
- Introduction to Statistical Software's

Module II

SAS PROGRAMMING

- Getting Started with SAS
- Components of SAS
- Reading various types of Raw data
- Working with SAS Datasets
- Combining datasets
- Working with SAS Arrays
- Proc SQL
- SAS Macro Language
- Basic Statistical Procedures

Module II

CLINICAL DATA ANALYSIS AND REPORTING USING SAS SOFTWARE

- Introduction to Clinical Trials

- Understanding and Reviewing Statistical Analysis Plan
- Annotating the Mock Tables
- Creating Dataset Specifications
- Creating Analysis Datasets
- Creating Tables/Listings/Figures

Mode : Online/Distance Learning

Duration : 6 Months

Eligibility : MD, MS, MBBS, BDS, BHMS, BAMS, BUMS, BPT, B.Pharms, Graduate/Post Graduate Degree in Statistics, Life Sciences, Mathematics, Pharmacology, Pharmacy, Medical Laboratory, Nursing, Biochemistry, Microbiology, Biotechnology and all professionals working with Pharmaceutical companies, CROs and Hospitals.

Methodology : OnlineTraining Modules, Online learning System

Examination : Online MCQs

Certificate : Certificate would be awarded upon successful completion of the program. Program is Certified & Accredited by the **Pharmaceutical Society of India.**

Accreditation : Accreditation would be awarded upon successful completion of the program. Program is

Fee payment : Fee Payable by Cash, Cheque/Bank draft in the name of **"TENET HEALTH EDUTECH PVT LTD."** payable at Delhi. Fee can also be deposited in company bank account. We also accept Credit/Debit Cards.

International Payments : Through Debit/Credit cards using Paypal or Wire payment through banks

Course Objectives :
- To provide a comprehensive introduction to the Biostatistics & SAS in Clinical Research process.
- Understanding of key enterprise SAS tools.
- Become more familiar with roles/jobs as part of the study team.
- Basic concepts, importance of Biostatistics & SAS.

Technology & Knowledge Partners

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