

**The Directorate of Indian Medicine and Homoeopathy &
Government Siddha Medical College, Chennai**

Organized

The SPSS Workshop for Medical Research

Date: April 21 – 24, 2025

Venue: Agathiyar Arangam, GSMC, Chennai

Time: 9.30 AM – 5.00 PM

Unlock the Power of Data with SPSS – A Vital Tool for PG and Research Scholars in Siddha Medicine.

Inauguration Ceremony

The SPSS Workshop for Medical Research was inaugurated with an inspiring ceremony.

Welcome Address:

Prof. Dr. K. Kanakavalli, MD(s)

Principal, Government Siddha Medical College, Chennai

Felicitation Address:

Dr. P. Manickam, BSMS, MSc (Epid), PhD

Scientist F, ICMR-NIE



Vote of Thanks:

Prof. Dr. M.D. Saravanadevi, MD(s)

Vice Principal, Government Siddha Medical College, Chennai

Highlights of the Workshop

- The four-day hands-on training session offered an in-depth understanding and practical exposure to SPSS, focusing on its applications in medical research. The workshop highlights included:
- Introduction to SPSS & its Importance in Healthcare Research
- Data Entry, Cleaning, and Analysis Using SPSS
- Descriptive Statistics, Inferential Tests, Correlation, and Regression Analysis
- Hands-on Sessions with Case-based Examples
- Real-time Data Handling and Analysis Using OpenEpi and SPSS Software
- Pre-test and Post-test Assessments to Track Learning Progress

Detailed Agenda and Sessions**Day 1 (April 21, 2025)**

- Introduction to Biostatistics
- Types of Data and Measurement
- Measures of Central Tendency and Dispersion
- Tables and Graphs using SPSS
- Introduction to SPSS Software and Data Management

Day 2 (April 22, 2025)

- Probability Concepts
- Binomial and Poisson Distribution
- Normal Distribution and p-value
- Confidence Intervals
- Significance Tests and Proportion Tests Using SPSS

Day 3 (April 23, 2025)

- Tests for Means (T-tests)
- Non-parametric Tests
- Correlation and Linear Regression
- Hands-on SPSS Application for Correlation and Regression Analysis

Day 4 (April 24, 2025)

- Logistic Regression and Interpretation
- Sampling Designs and Sample Size Calculation
- Introduction to Survival Analysis
- Post-Workshop Assessment
- Valedictory Function



Resource Persons

The sessions were effectively conducted by esteemed resource persons from ICMR-NIE:

Shri. K. Boopathi – Principal Technical Officer

Shri. T. Daniel Rajasekar – Principal Technical Officer

Ms. S. Divya – Technical Staff

Ms. SS. Swathi – Technical Staff

Their deep expertise and interactive teaching methods ensured the participants gained theoretical and practical insights into SPSS application in medical research.

Valedictory Ceremony

The four-day training culminated with a grand valedictory ceremony.

Welcome Address:

Dr. T B Kirthika, PG Scholar, GSMC, Chennai

Presidential Address:

Dr. P. Parthiban, MD(s)

Joint Director, Directorate of Indian Medicine and Homoeopathy

Address by Dignitaries:

Prof. Dr. K. Kanakavalli, MD(s) – Principal, GSMC, Chennai

Shri. K. Boopathi – Principal Technical Officer, ICMR-NIE

Vote of Thanks:

Dr. S. Mohamed Ajmal, PG Scholar, GSMC, Chennai

**Conclusion**

The SPSS Workshop for Medical Research was a grand success, significantly enhancing the statistical competencies of PG and Research Scholars in Siddha Medicine. Participants appreciated the highly interactive sessions and practical case studies, which equipped them with essential skills for conducting evidence-based research using SPSS.

The Directorate of Indian Medicine and Homoeopathy and the Government Siddha Medical College reaffirmed their commitment to promoting research excellence through such dynamic learning platforms.