UNANI DAY 2024

Under the theme of

"Unani medicine for One Earth, One Health"

"Sehat ke Umang - Unani ke Sang"

INSTITUTE OF APPLIED STATISTICS, KANPUR
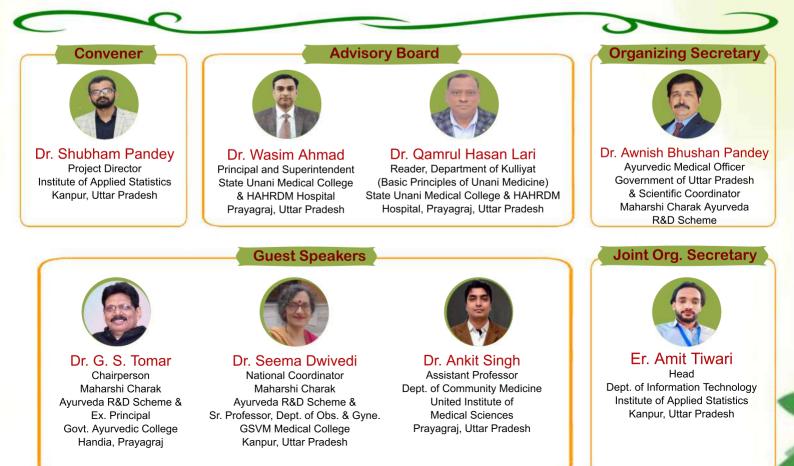
Organizing

WORKSHOP ON INTRODUCTORY COURSE ON RESEARCH METHODOLOGY & BIOSTATISTICS

Date: 23rd & 24th February, 2024

in collaboration with

State Unani Medical College & HAHRDM Hospital
Himmatganj, Prayagraj, U.P.

Convener

Dr. Shubham Pandey
Project Director
Institute of Applied Statistics
Kanpur, Uttar Pradesh

Advisory Board

Dr. Wasim Ahmad
Principal and Superintendent
State Unani Medical College
& HAHRDM Hospital
Prayagraj, Uttar Pradesh

Dr. Qamrul Hasan Lari
Reader, Department of Kulliyat
(Basic Principles of Unani Medicine)
State Unani Medical College & HAHRDM
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Organizing Secretary

Dr. Awnish Bhushan Pandey
Ayurvedic Medical Officer
Government of Uttar Pradesh
& Scientific Coordinator
Maharshi Charak Ayurveda
R&D Scheme

Guest Speakers

Dr. G. S. Tomar
Chairperson
Maharshi Charak
Ayurveda R&D Scheme &
Ex. Principal
Govt. Ayurvedic College
Handia, Prayagraj

Dr. Seema Dwivedi
National Coordinator
Maharshi Charak
Ayurveda R&D Scheme &
Sr. Professor, Dept. of Obs. & Gyne.
GSVM Medical College
Kanpur, Uttar Pradesh

Dr. Ankit Singh
Assistant Professor
Dept. of Community Medicine
United Institute of
Medical Sciences
Prayagraj, Uttar Pradesh

Joint Org. Secretary

Er. Amit Tiwari
Head
Dept. of Information Technology
Institute of Applied Statistics
Kanpur, Uttar Pradesh

INTRODUCTORY COURSE ON
RESEARCH METHODOLOGY & BIOSTATISTICS

ABOUT THE COURSE

This workshop is focused on the procedure to do quality research. As a researcher it is mandatory for one to know the basics and have a core idea in order to satisfy the purpose of research and establish an acceptable conclusion. This course has given this opportunity to the ayurveda and unani academicians to enhance the knowledge of biostatistics, their researching skills and understand the methodologies.

COURSE CONTENT:

1. Basis Steps of Fundamental Biostatistics:
Research, Objectives of Research, Need and Purpose of Research, Types of Research, Research according to application or objectives, Scope and Areas of Research, Role of Statistics in Research, Statistics,

2. Fundamentals of study Design Tools:
Study design, Experimental study design (Intervention Studies), Cohort Study, Case control study, Bias in case-control study, Cross sectional study

3. Fundamentals of sampling & Data Collection:
Sampling, Probability or Random Sampling, Non-Probability Sampling, Selection of Subjects/Data collection, Techniques of Data Collection

4. Fundamentals of Reliability & Validity of Data:
Study Tools, Introduction to Reliability & Validity, Sources of "Unsystematic" Threats to Reliability.

5. Fundamentals of Qualitative & Quantitative Analysis:
Qualitative analysis, Quantitative analysis

6. Descriptive Statistics:
Tabulation Presentation- Introduction, Classification of data Graphical presentation- Introduction, General Rules for Graphic - Presentation of Data and Information, Types of Graphs, Pie Charts, The Histogram, Scatterplots, Line Graphs, Frequency Polygon or Histograph, Frequency Curve, Cumulative Frequency Curve or Ogive, Merits of a Graph presentation, Limitations of a Graph presentation.
Central Tendency- Introduction, Median, Mode, Geometric Mean, Harmonic Mean, Quartiles, Deciles, Percentiles, Measure of Dispersion, Kurtosis, Skewness,

7. Inferential Theory:
Inferential Statistics, Hypothesis Testing, Types of hypothesis, Power of a test and power function, Level of Significance, Concept of critical region, Two-Tailed Hypothesis Tests, One-Tailed Hypothesis Tests, Degree of freedom.

8. Fundamentals of Correlation & Regression Theory:
Correlation coefficient, Calculation of the correlation coefficient, Spearman rank correlation, Regression, Assumptions.

OBJECTIVE:

To focus on basic biostatistics and epidemiology in the Ayurveda and Unani Research and give a demonstrate knowledge and scientific research in health-related fields and explain the concepts of the basic biostatistics and epidemiology, and to perform the computations involved in statistical techniques

COURSE FEE
1000/- INR Per Participant
(18% GST Included)

WORKSHOP REGISTRATION:
- Where to Register : **https://iasdcs.com/**
- **Hard Copy of Certificate & Study Material** will be provided to all the registered participants.

Please note that there are no additional facilities, such as lunch, breakfast and accommodation included in the fee. Participants are responsible for making their own arrangements.

WHO SHOULD ATTEND:
Doctors / faculty, any Research scholar of any Medical or non-medical colleges / Universities.

ORGANIZERS:

Dr. Awnish Bhushan Pandey
Ayurvedic Medical Officer
Government of Uttar Pradesh
&
Scientific Coordinator
Maharshi Charak Ayurveda R&D Scheme
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