



JOINT STATE TRAINING CENTER

Maharshi Charak Ayurveda Research & Development Scheme

INSTITUTE OF APPLIED STATISTICS

&

NATIONAL INSTITUTE OF AYURVEDA

DEEMED TO BE UNIVERSITY

Launched

Certificate Programme on

Research Methodology & Biostatistics

(Three Month Certificate Course - 1 Jan 2023 to 31 March 2023)

in collaboration with



Central Council for Research in Ayurvedic Sciences (CCRAS)

About Us:

The Joint State Training Center of Institute of Applied Statistics & National Institute of Ayurveda is established on 30th July, 2022 and inaugurated by Padmashri Vaidya Rajesh Kotecha, Secretary, Ministry of Ayush. The center's primary objective is to offer high-quality education at a reasonable cost through recognized national faculties with years of expertise from many prestigious organizations. Additionally, the institute sought to impart statistical expertise to every organization in the nation.

About The Course:

This training program focuses on the procedure to do quality research and to develop a better understanding of the statistics. 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 the opportunity to the academicians to enhance the knowledge of the biostatistics, their research skill and understand the methodologies.

Objective:

The objective of this program is to focus on Biostatistics & Epidemiology in the field of Ayurveda Research and give a demonstrate knowledge and scientific research in health-related field including medicine, biology, public health and the development of novel methodologies for understanding statistical theory.

Who Should Attend ?

Academicians, Faculties and Research Scholars of Ayurveda Science and who are interested in learning basics of Statistics and data analysis.

Registration Fee:

1180/- INR Per Participant (Including 18% GST)
E-Certificates will be provided to all the participants.

Registration:

For registration please visit our official website:
www.iasdcs.com

Convener



Prof. Sanjeev Sharma

Director cum Vice Chancellor I/C
National Institute of Ayurveda, Jaipur



Vaidya R. N. Acharya

Director General,
CCRAS, New Delhi



Dr. G. S. Tomar

Chairperson
Maharshi Charak R&D Scheme



Dr. Shubham Pandey

Additional Director
Institute of Applied Statistics, Kanpur

Course Co-ordinator



Dr. C. R. Yadav

Dean (Research) & HOD, P.G. Department of Kriya Sharir
National Institute of Ayurveda, Jaipur



Dr. Seema Dwivedi

National Co-ordinator
Maharshi Charak R&D Scheme, IAS, Kanpur

Our Speakers



Dr. C. R. Yadav
Dean (Research) & HOD
Department of Kriya Sharir, NIA, Jaipur



Dr. Asit Panja
Associate Professor
Department of Maulik Siddhanta, NIA, Jaipur



Dr. Rashmi Prakash Gurao
Assistant Professor
Department of Kriya Sharir, NIA, Jaipur



Dr. Mahendra Prasad
Associate Professor
Department of Kriya Sharir, NIA, Jaipur



Dr. Sunil Kumar Yadav
Associate Professor
Department of Sharir Rachna, NIA, Jaipur



Dr. Sarika Yadav
Assistant Professor
Department of Kriya Sharir, NIA, Jaipur



Dr. Shailja Bhatnagar
Associate Professor
Department of Maulik Siddhanta, NIA, Jaipur



Prof. Nisha Gupta
Professor & Head
Department of Maulik Siddhanta, NIA, Jaipur



Dr. Sudipt Rath
Associate Professor
Department of Dravya Guna, NIA, Jaipur



Prof. Anupam Shrivastav
Director
Rastriya Ayurved Vidyapith, New Delhi



Mr. Gaurav Bilwal
Pharmacologist
National Institute of Ayurveda, Jaipur



Dr. Anup Kumar
Associate Professor
Department of Biostatistics, SGPGIMS, Lucknow



Dr. Atanu Bhattacharya
Assistant Professor
Tata Memorial Centre, Navi Mumbai



Dr. Dharmendra Yadav
Assistant Professor
Department of Statistics, NIFHSW, New Delhi



Dr. Jyoti Batra
Dean Research
Santosh Deemed To be University, Ghaziabad



Dr. Neeraj Kumar Agrawal
Associate Professor
Department of Pharmacology, GMC, Ratlam

Dr. Padam Singh

Former Additional Director General
Indian Council of Medical Research, New Delhi



Dr. Ratan Srivastava

Former Professor,
Institute of Medical Science, BHU, Varanasi



Dr. R. N. Mishra

Former Professor, Center of Biostatistics
Institute of Medical Science, BHU, Varanasi



Dr. Indranil Saha

Scientist E
Centre on Non-Communicable Diseases, ICMR



Dr. C. B. Tripathi

Head, Department of Biostatistics
Institute of Human Behaviour and Allied Sciences



Dr. Manushi Srivastava

Professor of Medical Sociology
Institute of Medical Science, BHU, Varansi, U.P.



Dr. Hitesh Khurana

Professor, Department of Psychiatry
Institute of Mental Health, PGIMS, UHS, Rohtak



Dr. Najmul Huda

Former Professor
Department of Orthopedics, KGMU, Lucknow



Dr. Anil C. Mathew

Professor of Biostatistics
PSG IMS & Research, Coimbatore



Dr. Punit Ohri

Professor & Head
Community Medicine, SGRR IMS, Dehradun



Dr. Bindu Garg

Professor & Head
Department of Physiology, SRMS IMS, Bareilly



Dr. Atul Juneja

Former Scientist F
NIMS-ICMR, New Delhi



Dr. Dushyant Tyagi

Assistant Professor,
Dr. SMNR University, Lucknow, Uttar Pradesh



Dr. Ashish Yadav

Assistant Professor
Banaras Hindu University, Varanasi



Dr. Uma Gupta

V.C., Institutional Ethics Committee
Government Medical College, Ratlam



Dr. Nidhi Pandey

Assistant Professor
Department of Microbiology, United Medcity



Programme Schedule – 1st Month (January, 2023)

S.No.	Date	Topic	Faculty
1	2/1/2023	Introduction to Research & Importance of Research in Ayurveda	Dr. G. S. Tomar
2	3/1/2023	Basic concepts of Ayurveda- Panchmahabhuta Siddhanta, Loka Purusha Samya, Samanya Vishesh Siddhanta.	Dr. Asit Panja
3	4/1/2023	Basic concepts of Ayurveda- Concept of Dosha, Dhatu and Mala	Dr. Rashmi Prakash Gurao
4	5/1/2023	Basic concepts of Ayurveda- Concept of Agni, Koshtha & Aam	Dr. Mahendra Prasad
5	6/1/2023	Basic concepts of Ayurveda- Srotas, Srotodushti	Dr. Sunil Kumar Yadav
6	9/1/2023	Basic concepts of Ayurveda- Dashvidha Parikshya Bhav- prakriti, saar etc.	Dr. C. R. Yadav
7	10/1/2023	Recent trends in Prakriti- Ayurgenomics; Gut microbiota & Biorhythm	Dr. Sarika Yadav
8	11/1/2023	Concept of Pratyakshadi Pramana and their application for Research in Ayurveda	Dr. Shailja Bhatnagar
9	12/1/2023	Tadvidya sambhasha, Vadamarga and Tantra Yukti.	Dr. Asit Panja
10	13/1/2023	Methods of Research in Ayurveda (Panchavyava Vakya)	Dr. Nisha Gupta
11	16/1/2023	Dravya Pariksha Paddhati- Guna, Karma, Veerya, Vipaka, Prabhav etc.	Dr. Sudipt Rath
12	17/1/2023	Basic Pharmacognosy	Dr. Uma Gupta
13	18/1/2023	Aushadh Yog Pariksha Paddhati- Bhasm, Aasav, Arishta etc.	Dr. Anupam Shrivastav
14	19/1/2023	Basic Pharmaceutical Chemistry	Dr. Neeraj Agrawal
15	20/1/2023	Fundamental of Chromatographic Techniques	Dr. Neeraj Agrawal
16	23/1/2023	Basic Pharmacology and Toxicology	Mr. Gaurav Bilwal
17	24/1/2023	Basic Biochemistry	Dr. Jyoti Batra
18	25/1/2023	Basic Clinical Pathology & Microbiology	Dr. Nidhi Pandey
19	26/1/2023	Basic Imaging Sciences	Dr. Neeraj Agrawal
20	27/1/2023	Brief information on the traditional Drug Discovery process and Latest trends in the Drug Discovery process	Dr. Sudipt Rath
21	30/1/2023	Assessment - 1	-----
22	31/1/2023	Assessment – 2	-----

Programme Schedule – 2nd Month (February, 2023)

S.No.	Date	Topic	Faculty
23	1/2/2023	Selection of the research problem and formulation of hypothesis	Dr. Manushi Srivastava
24	2/2/2023	How to set up Aims, Objective & Titel of Study	Dr. Manushi Srivastava
25	3/2/2023	Literature review -1	Dr. Dhruvendra Pandey
26	6/2/-2023	Literature review -2	Dr. Dhruvendra Pandey
27	7/2/2023	Methodology Section (Basic Component)	Dr. Manushi Srivastava
28	8/9/2023	Research design-1 (Fundamental of Study Design)	Dr. Ratan Srivastava
29	9/2/2023	Research design-2 (Observational Study Design & Its Measure)	Dr. Ratan Srivastava
30	10/2/2023	Research design-3 (Interventional Study Design & Its Measure)	Dr. Indranil Saha
31	13/2/2023	Research design-4 (Hybried Study Design & Its Measure)	Dr. Indranil Saha
32	14/2/2023	Sempling Design- 1 (Probability Sempling)	Dr. Padam Singh
33	15/2/2023	Sempling Design- 2 (Non Probability Sampling)	Dr. Padam Singh
34	16/2/2023	Sample Size Estimation -1 (For Observational Study)	Dr. R. N. Mishra
35	17/2/2023	Sample Size Estimation -2 (For Interventional Study)	Dr. R. N. Mishra
36	20/2/2023	How to write inclusion and exclusion criteria	Dr. Hitesh Khurana
37	21/2/2023	Effective Discussion Writing	Dr. Hitesh Khurana
38	22/2/2023	Effective Conclusion Writing	Dr. Punit Ohri
39	23/2/2023	How to write recommendation and limitation of study	Dr. Bindu Garg
40	24/2/2023	Reference Writing	Dr. Hitesh Khurana
41	27/2/2023	Assessment -3	-----
42	28/2/2023	Assessment -4	-----

Programme Schedule – 3rd Month (March, 2023)

S.No.	Date	Topic	Faculty
43	1/3/2023	Concepts, relevance and general applications of Biostatistics in Ayurveda	Dr. C. R. Yadav
44	2/3/2023	Collection, classification & type of data	Dr. C. B. Tripathi
45	3/3/2023	Data Collection Tools and Response Structure	Dr. C. B. Tripathi
46	6/3/2023	Data quality & Master Chart Preparation	Dr. Indranil Saha
47	7/3/2023	Holiday (Holi)	----
48	8/3/2023	Holiday (Holi)	----
49	9/3/2023	Descriptive statistics -1 (Presentation of Data)	Dr. Atul Juneja
50	10/3/2023	Descriptive statistics -2 (Measures of Central tendency)	Dr. Atul Juneja
51	13/3/2023	Descriptive statistics -3 (Measures of Variability)	Dr. Dharmendra Yadav
52	14/3/2023	Inferential statistics -1 (Fundamentals of testing of hypotheses)	Dr. Indranil Saha
53	15/3/2023	Inferential statistics -2 (Testing of Difference -Parametric tests)	Dr. Anup Kumar
54	16/3/2023	Inferential statistics -3 (Testing of Difference - Non Parametric tests)	Dr. Ashish Yadav
55	17/3/2023	Inferential statistics -4 (Testing of Relationship - Parametric tests)	Dr. Anup Kumar
56	20/3/2023	Inferential statistics -5 (Testing of Relationship - Non Parametric tests)	Dr. Ashish Yadav
57	21/3/2023	Computation and applications of correlation	Dr. Atanu Bhattacharya
58	22/3/2023	Basics Concept of Regression	Dr. Anil C. Mathew
59	23/3/2023	Use of Linear & Logistics Regression	Dr. Anil C. Mathew
60	24/3/2023	Practical Session -1 (Using Microsoft Excel)	Dr. Dushyant Tyagi
61	27/3/2023	Practical Session -2 (Using Microsoft Excel)	Dr. Dushyant Tyagi
62	28/3/2023	Practical Session -3 (Using SPSS)	Dr. Dharmendra Yadav
63	29/3/2023	Practical Session -4 (Using SPSS)	Dr. Dharmendra Yadav
64	30/3/2023	Assessment -5	----
65	31/3/2023	Assessment -6	----