



**INSTITUTE OF TEACHING AND RESEARCH IN AYURVEDA
(ITRA) JAMNAGAR, GUJARAT**



**&
INSTITUTE OF APPLIED STATISTICS,
KANPUR, UTTAR PRADESH**

Launched

**Three Month Online Certificate Programme on
Research Methodology & Biostatistics**



(01 May, 2024 - 30 July, 2024)



Live Session : 06:00 PM - 07:00 PM

In Collaboration with



CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES (CCRAS)

MAHARSHI CHARAK AYURVEDA R&D SCHEME



Convener



Dr. Anup Thakar
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Dr. Nisha Parmar
Co-coordinator

Lecturer
Dept. of Basic Principles
ITRA, Jamnagar

CERTIFICATE PROGRAMME ON RESEARCH METHODOLOGY & BIOSTATISTICS



ABOUT THE CERTIFICATE PROGRAMME

This comprehensive three month certificate program is designed to concentrate on the intricacies of conducting high-quality research and acquiring a profound understanding of statistical methodologies. For researchers, it is imperative to grasp the fundamentals and cultivate a core understanding to effectively fulfill the objectives of their research endeavors and arrive at sound conclusions. The course not only underscores the significance of foundational knowledge but also provides a platform for participants to delve into advanced concepts, equipping them with the tools necessary to excel in their research pursuits. Furthermore, this training initiative aims to empower academicians by offering a unique opportunity to augment their expertise in biostatistics. Participants will not only refine their research skills but will also gain a comprehensive understanding of diverse methodologies, enabling them to navigate the complexities of statistical analysis with confidence and precision.

OBJECTIVE

The training program emphasizes the execution of quality research procedures and the enhancement of statistical understanding. For researchers, possessing a foundational understanding of basics and core concepts is mandatory to fulfill the objectives of research and establish credible conclusions. The course extends an opportunity for academicians to augment their proficiency in biostatistics, refine research skills, and grasp various methodologies.

WHO SHOULD ATTEND ?

Academicians, Faculties and Research Scholars from Medical Science, Ayurveda, Homoeopathy, Dental, Nursing, Statistics and Biostatistics and who are interested in learning Statistical methods and Research Methodologies.

REGISTRATION FEE:

1180/- INR Per Participant

REGISTRATION:

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

- E-Certificates will be provided to all the participants.
- Access of Recorded Session and PDF Notes will be provided.



DURATION OF THE PROGRAMME

01 May, 2024 to 30 July, 2024



SCHEDULE AND TIMINGS

06:00 - 07:00 PM



SESSIONS OFFERED ON PLATFORMS



Program Coordinator



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CERTIFICATE PROGRAMME ON RESEARCH METHODOLOGY & BIostatISTICS

RESOURCE PERSON



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New Delhi



Dr. Indranil Saha

Scientist E
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Chairperson
MAharschi Charak Ayurveda
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Professor
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Prof. Mandip Kaur

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Dr. Anil C. Mathew

Professor of Biostatistics
PSG Institute of Medical
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Dr. Anup Kumar

Associate Professor
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Sanjay Gandhi Postgraduate
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CERTIFICATE PROGRAMME ON RESEARCH METHODOLOGY & BIostatISTICS

RESOURCE PERSON



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Senior Consultant Research
Disaster Management Cell
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Dr. Nisha Parmar
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Department of Basic Principles
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Dr. Dilip Prajapati
Lecturer
Department of Rasa Shastra
ITRA, Jamnagar



Session	Date	Topic	Resource Person
1	01 May 2024	Introduction to Research & Importance of Research in Ayurveda	Dr. G. S. Tomar
2	02 May 2024	Basic concepts of Ayurveda- Panchmahabhuta Siddhanta, Loka Purusha Samya, Samanya Vishesh Siddhanta.	Dr. Vaibhav Dadu
3	03 May 2024	Basic concepts of Ayurveda- Concept of Dosha, Dhatu and Mala	Dr. Nisha Parmar
4	06 May 2024	Basic concepts of Ayurveda- Concept of Agni, Koshtha & Aam	Prof. Mandip Kaur
5	07 May 2024	Basic concepts of Ayurveda- Srotas, Srotodushti	Dr. Chinmayi Shah
6	08 May 2024	Basic concepts of Ayurveda- Dashvidha Parikshya Bhavprakriti, saar etc	Prof. A.S. Baghel
7	09 May 2024	Recent trends in Prakriti- Ayurgenomics; Gut microbiota & Biorhythm	Dr. S.N. Khandale
8	10 May 2024	Concept of Pratyakshadi Pramana and their application for Research in Ayurveda	Prof. H. A. Vyas
9	13 May 2024	Tadvidya sambhasha, Vadamarga and Tantra Yukti	Dr. Vaibhav Dadu
10	14 May 2024	Methods of Research in Ayurveda (Panchavyava Vakya)	Dr. Vaibhav Dadu
15 May 2024		Quiz 1	
11	16 May 2024	Dravya Pariksha Paddhati- Guna, Karma, Veerya,Vipaka, Prabhav etc.	Dr. Kalpesh Panara
12	17 May 2024	Basic Pharmacognosy	Dr. Uma Gupta
13	20 May 2024	Aushadh Yog Pariksha Paddhati- Bhasm, Aasav, Arishta etc.	Dr. Dilip Prajapati
14	21 May 2024	Basic Pharmaceutical Chemistry	Dr. Neeraj Agrawal
15	22 May 2024	Fundamental of Chromatographic Techniques	Dr. Neeraj Agrawal
16	23 May 2024	Basic Pharmacology and Toxicology	DR. Mukesh Naria
17	24 May 2024	Basic Biochemistry	Dr. Archana Prakash
18	27 May 2024	Basic Clinical Pathology & Microbiology	Dr. Nidhi Pandey
19	28 May 2024	Brief information on the traditional Drug Discovery process and Latest trends in the Drug Discovery process	Prof. Prashant Bedarkar
29 May 2024		Assessment 1	



Session	Date	Topic	Resource Person
20	03 June 2024	Selection of the research problem and formulation of hypothesis	Dr. Manushi Srivastava
21	04 June 2024	How to set up Aims, Objective & Title of Study	Dr. Manushi Srivastava
22	05 June 2024	Five Steps to conduct a Literature Review	Dr. Shweta Goswami
23	06 June 2024	Methodology Section : Basic Component	Dr. Manushi Srivastava
24	07 June 2024	Research Design-1 : Fundamental of Study Design	Dr. Ratan Srivastava
25	10 June 2024	Research Design-2 :Observational Study Design & Its Measure	Dr. Ratan Srivastava
26	11 June2024	Research Design-3 : Interventional Study Design & Its Measure	Dr. Indranil Saha
27	12 June 2024	Research Design-4 : Hybrid Study Design & Its Measure	Dr. Indranil Saha
28	13 June2024	Sampling Design - 1 : Probability Sampling	Dr. Sarvesh Kumar Awasthi
29	14 June 2024	Sampling Design - 2 : Non Probability Sampling	Dr. Neha Mishra
30	17 June 2024	Sample Size Estimation -1 : For Observational Study	Dr. Padam Singh
31	18 June 2024	Sample Size Estimation -2 : For Interventional Study	Dr. Padam Singh
19 June 2024		Quiz 2	
32	20 June 2024	How to write inclusion and exclusion criteria	Dr. G. Kranthi Kumar
33	21 June 2024	Components of Result Writing	Dr. Hitesh Khurana
34	24 June 2024	Effective Discussion Writing	Dr. Rashmi Kumari
35	25 June 2024	Effective Conclusion Writing	Dr. Bindu Garg
36	26 June 2024	How to write recommendation and limitation of study	Dr. Bindu Garg
37	27 June 2024	Fundamental of Reference Writing for Synopsis and Thesis	Dr. Hitesh Khurana
38	28 June 2024	Plagiarism Check and Guidelines	Dr. Girish KJ
29 June 2024		Assessment 2	



Session	Date	Topic	Resource Person
39	01 July 2024	Concepts, relevance and general applications of Biostatistics in Ayurveda	Dr. C. R. Yadav
40	02 July 2024	Collection, classification & type of data	Dr. R. K. Soni
41	03 July 2024	Data Collection Tools and Response Structure	Dr. R. K. Soni
42	04 July 2024	Data Quality & Master Chart Preparation	Dr. Atul Juneja
43	05 July 2024	Descriptive Statistics - 1 : Presentation of Data	Dr. Sudip Ghosh
44	08 July 2024	Descriptive Statistics - 2 : Measures of Central Tendency	Dr. Swapnil Shinkar
45	09 July 2024	Descriptive Statistics -3 : Measures of Variability	Dr. Swapnil Shinkar
46	10 July 2024	Inferential Statistics - 1 : Fundamentals of Testing of Hypotheses	Dr. Atul Juneja
11 July 2024		Quiz 3	
47	12 July 2024	Inferential Statistics - 2 : Testing of Difference - Parametric Tests	Dr. Kalpana K. Mahajan
48	15 July 2024	Inferential Statistics - 3 : Testing of Relationship - Parametric Tests	Dr. Jung Bahadur
49	16 July 2024	Inferential Statistics - 4 : Testing of Relationship - Non Parametric Tests	Dr. Jung Bahadur
50	18 July 2024	Inferential Statistics - 5 : Testing of difference - Non Parametric Tests	Dr. Anup Kumar
51	19 July 2024	Computation and applications of correlation	Dr. Suresh Sharma
52	22 July 2024	Basics Concept of Regression	Dr. Anil C. Mathew
53	23 July 2024	Use of Linear & Logistics Regression	Dr. Anil C. Mathew
54	24 July 2024	Practical Session -1 : Fundamental of Microsoft Excel and Its components	Dr. Dushyant Tyagi
55	25 July 2024	Practical Session -2 : Data Analysis using Microsoft Excel	Dr. Dushyant Tyagi
56	26 July 2024	Practical Session - 3 : Fundamental of SPSS and Its components	Dr. Sudip Ghosh
57	29 July 2024	Practical Session - 4 : Data Analysis using SPSS	Dr. Manoj Kalita
30 July 2024		Assessment 3	

