



JOINT STATE TRAINING CENTER, RAJASTHAN

NATIONAL INSTITUTE OF AYURVEDA

DEEMED TO BE UNIVERSITY (DE NOVO), MINISTRY OF AYUSH, GOVT. OF INDIA



**&
INSTITUTE OF APPLIED STATISTICS**

A STATISTICAL TRAINING & RESEARCH INSTITUTE, KANPUR, UTTAR PRADESH

Organizes

Two-Month Online Certificate Programme on

EXALT

ENHANCING EXPERTISE IN ADVANCED RESEARCH & LEVERAGING RESEARCH WRITING TECHNIQUES

01 November, 2025, to 31 December 2025 - 6 to 7 PM

In Collaboration with



CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES (CCRAS)

Under



MAHARSHI CHARAK AYURVEDA R&D SCHEME



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EXALT



ABOUT THE CERTIFICATE PROGRAMME

Two Month Online Certificate Programme on EXALT, a comprehensive initiative focused on Enhancing Expertise in Advanced Research and Leveraging Research Writing Techniques. This program is designed to equip ayurveda researchers, professionals and faculties with a profound understanding of advanced research methodologies and elevate their skills in communicating research effectively through writing. EXALT is not just a certificate program; it's an immersive journey aimed at transforming participants into adept researchers and skilled communicators. We believe that by the end of the program, participants will be well-equipped to contribute meaningfully to their respective fields and make a lasting impact through their research endeavors.

OBJECTIVE

- Enhance participants' understanding of research methodologies and biostatistical techniques.
- Equip participants with practical skills for effective application in research contexts.
- Develop proficiency in advanced biostatistical methods for data analysis and interpretation.
- Enable participants from diverse backgrounds to apply relevant methodologies in their specific fields.
- Foster a dynamic learning environment by encouraging participant interaction.
- Empower participants to contribute to high-quality research through enhanced skills in study design and analysis.

REGISTRATION FEE:

1500/- 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 Nov., 2025, to 31 Dec. 2025



SCHEDULE AND TIMINGS

06:00 Pm to 07:00 PM

SESSIONS OFFERED ON PLATFORMS



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PROGRAMME SCHEDULE

NOV 2025

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01 November 2025 (Saturday) : Inaugural Ceremony:

◆ Week 1: Foundations of Research

03 Nov 2025: Session 1: Introduction to Research: Objectives and Significance (AYUSH Perspective)

04 Nov 2025: Session 2: Precision in Problem Selection & Hypothesis Formulation

05 Nov 2025: Session 3: Defining Aims, Objectives, and Study Titles

06 Nov 2025: Session 4: Five-Step Process of Literature Review (with AYUSH Examples)

07 Nov 2025: Session 5: Types of Research - Qualitative & Quantitative Research

◆ Week 2: Research Methodology & Study Design

08 Nov 2025: Session 6: Core Elements of Research Methodology & Study Planning

10 Nov 2025: Session 7: Observational Study Designs: Measures & Insights

11 Nov 2025: Session 8: Interventional & Hybrid Study Designs

12 Nov 2025: Session 9: Ethical Aspects & Inclusion/Exclusion Criteria of Study participant

13 Nov 2025: Session 10: Introduction to Sampling Design: Probability & Non-Probability Sampling

◆ Week 3: Sample Size & Data Collection

14 Nov 2025: Session 11: Sample Size Determination for Observational and Interventional Studies

15 Nov 2025: Session 12: Practical: Hands-On Sample Size Calculation

17 Nov 2025: Session 13: Categorization and Types of Data

18 Nov 2025: Session 14: Data Sources, Collection Tools, and CRF Development

19 Nov 2025: Session 15: Validity, Reliability, and Data Quality in AYUSH Research

◆ Week 4: Descriptive and Inferential Statistics

20 Nov 2025: Session 16: Descriptive Statistics: Central Tendency & Measures of Variability

21 Nov 2025: Session 17: Descriptive Statistics: Graphical & Tabular Presentation of Data

22 Nov 2025: Session 18: Introduction to Inferential Statistics & Hypothesis Testing

24 Nov 2025: Session 19: Parametric Tests: t-Test, ANOVA, Correlation etc.

25 Nov 2025: Session 20: Non-Parametric Tests: Mann-Whitney, Kruskal-Wallis, Spearman etc.

29-30 November 2025 : Assessment Test - 1

**** An online MCQ-based quiz will be conducted after each session for self-assessment and practice.**



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PROGRAMME SCHEDULE

DEC 2025

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◆ Week 5: Regression Analysis & Result Writing

01 Dec 2025: Session 21: Correlation and Basics of Regression

02 Dec 2025: Session 22: Linear & Logistic Regression

03 Dec 2025: Session 23: Poisson & Ordinal Regression

04 Dec 2025: Session 24: Writing the Results Section: Tables, Graphs, and Interpretation

05 Dec 2025: Session 25: Composing Discussion, Conclusion & Study Recommendations

◆ Week 6: Thesis Writing, Referencing & Ethics

08 Dec 2025: Session 26: Protocol/Synopsis Writing and Approval Process

09 Dec 2025: Session 27: Step-by-Step Thesis/Dissertation Writing

10 Dec 2025: Session 28: Writing a Research Paper in 6 Structured Steps

11 Dec 2025: Session 29: Reference Writing Styles and Mendeley Software (Hands-On)

12 Dec 2025: Session 30: Plagiarism Check & Ethical Writing Guidelines

◆ Week 7: Publication & Presentation

15 Dec 2025: Session 31: Types of Research Journals & How to Identify Predatory Journals

16 Dec 2025: Session 32: Journal Indexing: PubMed, Scopus, UGC-CARE etc.

17 Dec 2025: Session 33: Selecting the Right Journal and Preparing for Submission

18 Dec 2025: Session 34: Writing Conference Papers and Posters & It's Presentation Techniques

19 Dec 2025: Session 35: Create your Research Profile - Google Scholar, Orchid, Academia etc.

◆ Week 8: Funding, Grants & IPR

22 Dec 2025: Session 36: Introduction to Research Grant Writing & Budgeting

23 Dec 2025: Session 37: Overview of Funding Agencies (ICMR, CCRAS, DST, DBT, UGC etc.)

24 Dec 2025: Session 38: Schemes & Application Process (ICMR, DHR, CCRAS, CSIR etc.)

25 Dec 2025: Session 39: Intellectual Property Rights (IPR) & Patent Filing

26 Dec 2025: Session 40: National STI Policy, International Schemes & Final Wrap-Up

30-31 December 2025 : Assessment Test - 2

**** An online MCQ-based quiz will be conducted after each session for self-assessment and practice.**



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ABOUT ORGANIZERS:



NATIONAL INSTITUTE OF AYURVEDA Deemed To be University (De Novo), Ministry of AYUSH, Govt. of India

National Institute of Ayurveda, Deemed to be University (De novo) is an apex autonomous Institute under the aegis of Ministry of AYUSH, Government of India. NIA was conferred the Deemed to be University status under De novo category and was dedicated to the Nation by the Honourable Prime Minister of India, Shri Narendra Modi on 13th November 2020 (...Ayurveda Day). NIA is the first Central Government funded Institute to be declared as Deemed to be University in the field of Ayush. This feather in cap achievement came as a recognition of NIA having 175 years of legacy and for promoting the growth and development of Ayurveda as a model Institute with highest standards of Teaching, Training, Research, and Patient Care with a scientific outlook to the knowledge of Ayurvedic System of Healthcare.

NIA currently offers Academic Programmes in all levels - Undergraduate(BAMS), Post Graduate (MD/MS in Ayurveda), Post Doctoral (PhD in Ayurveda), Diploma (DAN&P). Besides, NIA is the only institute in Ayurveda segment to offer 6 Interdisciplinary M.Sc. courses. NIA also runs many certificate and short term courses related to Ayurveda. NIA has a 260 bedded NABH accredited Hospital to offer best quality OPD and IPD services to the public. The hospital is equipped with state of art Panchakarma Centre, modern OTs, Ventilator supported Emergency Care Beds, GMP Certified Pharmacy and Patholab. NIA conduct quality multi disciplinary researches in the field of Ayurveda involving in-vitro, in-vivo, clinical, laboratory based and literary studies. The Institute has quality infrastructure to support these researches like Animal house, Pharmacognosy Lab, Phytochemistry Lab, Drug Testing Laboratory, Advanced Simulation Lab, etc.

INSTITUTE OF APPLIED STATISTICS, KANPUR, UTTAR PRADESH

The Institute of Applied Statistics is a premier institution dedicated to building human resource capacity in Statistics through specialized training and multidisciplinary research. It conducts training programmes across the country and regularly organizes International, National, State, and Institutional level workshops for researchers and academicians.

The Institute's mission is to develop skilled professionals to meet emerging research challenges. It offers short- and medium-term programmes, develops need-based training modules in collaboration with experts, and provides consultation to government and private sectors in training design, survey implementation, and research activities.

Certificate Programme Highlights

- ✓ Comprehensive online sessions on Enhancing Expertise in Advanced Research & Leveraging Research Writing Techniques (EXALT).
- ✓ Expert-led sessions and daily query discussions at the end of each session of the programme to address doubts with experts.
- ✓ Online Assessment Tests at the end of every month's schedule for self-evaluation purposes.
- ✓ Online MCQ-based quiz will be conducted after each session for self-assessment and practice.
- ✓ Study material in the form of PDFs will be shared with all registered participants of the programme.
- ✓ All registered participants will receive an e-certificate after completion of the programme on their registered email ID.
- ✓ Access to all recorded sessions of the programme for revision purposes.
- ✓ Opportunity to network with researchers and professionals.