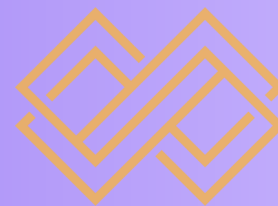




MD RESEARCH

Advanced Research Methodology & Biostatistics Training



3 Month Intensive Research Training Program

This 3-Month Fellowship in Advance Research Methodology and BioStatistics Training bridges that gap and provides a structured, hands-on approach to clinical research



JOIN NOW



For Registration Link
Scan the QR Code



+91 6294145163
www.mdresearch.us



MD RESEARCH

Why Choose Our course?

Learn advanced research methodologies and biostatistics from top faculty

Gain a Clinical Research Training Certificate to enhance academic and professional

Publish in high-impact, PubMed-indexed journals

Conduct systematic reviews, meta-analyses, and network meta-analyses



+91 6294145163



www.mdresearch.us



MD RESEARCH

Why Partner With Us?

- ✓ Proven Track Record of Success
- ✓ Hybrid Learning Model for Maximum Impact
- ✓ Enhancing Institutional Research Capacity

LEARN MORE

www.mdresearch.us

+91 6294145163





MD RESEARCH

Course Structure

DURATION

3 Months (12 weeks)

13th March – 13th August 2025



FORMAT

Online + Personalized Mentorship



CERTIFICATION

This 12-module course provides a step-by-step structured approach to research methodology, statistical analysis, and scientific writing.

For Registration Link Scan the QR Code



www.mdresearch.us



MD RESEARCH

Modules Include:

Module 1: Foundations of Research

- Understanding research methods, methodology, and study design
- Formulating hypotheses and research questions
- Differences between qualitative and quantitative research

Module 2: Research Designs & Clinical Trials

- Detailed exploration of experimental vs. observational study designs
- Understanding randomized controlled trials (RCTs), cohort studies, case-control studies, and cross-sectional studies
- Ethical considerations in research

Module 3: Exploring Data & Concept of Probability

- Understanding types of data (categorical, continuous, ordinal)
- Data collection, organization, and presentation techniques
- Probability theory, central limit theorem, and standard distribution curve



MD RESEARCH

Modules Include:

Module 4: Biostatistics Fundamentals & Descriptive Analysis

- Measures of central tendency (mean, median, mode)
- Descriptive vs. inferential statistics
- Introduction to statistical software (SPSS, R, Python, Statastics)

Module 5: Inferential Statistics & Advanced Analytics

- Hypothesis testing: p-values, confidence intervals
- Survival analysis and Kaplan-Meier curves
- Diagnostic statistics: Sensitivity, specificity, predictive values

Module 6: Conducting a Systematic Review

- Step-by-step methodology for conducting a systematic review
- Database searches (PubMed, Scopus, Cochrane) and screening techniques
- PRISMA guidelines and risk-of-bias assessment



MD RESEARCH

Modules Include:

Module 7: Introduction to Meta-Analysis

- Understanding effect sizes and heterogeneity assessment
- Fixed-effect vs. random-effects models
- Introduction to meta-analysis software

Module 8: Conducting a Meta-Analysis

- Data extraction and coding
- Pooling results and subgroup analysis
- Publication bias and funnel plots

Module 9: Statistical Interpretation of Meta-Analysis

- How to interpret forest plots and heterogeneity
- Understanding confidence intervals and risk ratios
- Common errors in meta-analysis interpretation



MD RESEARCH

Modules Include:

Module 10: Network Meta-Analysis

- Introduction to indirect comparisons and mixed treatment comparisons
- Application of network meta-analysis in clinical decision-making

Module 11: Research Proposal Writing & Medical Writing

- Writing a compelling research proposal
- Basics of grant writing and funding opportunities

Module 12: Manuscript Preparation & Journal Submission

- Structuring a high-impact scientific manuscript
- Journal selection, formatting, and submission process
- Responding to reviewer comments effectively

FACULTY & MENTORS

This course is led by renowned researchers and experienced faculty members with a strong track record of high-impact publications



Dr. Indranill Basu Ray
Dr. Dibbendhu Khanra
Dr. Mrithyunjay Rathore
Dr. Sanjay S. Phadke
Dr. Keith C. Norris
Dr. Anindya Mukherjee
Dr. Dorairaj Prabhakaran
Dr. Paula R. Seffens
Dr. Debesh Mallik
Dr. Girish Baburao Kulkarni
Dr. Rima Dada
Dr. Harminder Grewal
Dr. Vaishali Deshmukh
Savithri Chandana Veluri
Dr. Sarita Bajaj
Dr. Jayasree Pillarisetti
Dr. Pawan Ojha
Dr. Shripad Pujari
Dr. Harish R. Joshi





JOIN US TO TRANSFORM YOUR CAREER!

REGISTER NOW

and be part of a community shaping the future of
health and wellness.



For Registration Link Scan the QR Code

www.mdresearch.us

**More
Information**

+91 6294145163