



REVIANA
INNOVATIONS PVT. LTD.
Innovation • Informatics • Impact



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH

NITHR
NATIONAL INSTITUTE FOR TRIBAL
HEALTH RESEARCH, JABALPUR

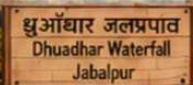
2-DAY HANDS-ON WORKSHOP

LARGE LANGUAGE MODELS (LLMs) FOR CLINICAL & TRANSLATIONAL RESEARCH

(no prior coding experience required)

From Zero to Publishable Use Cases

Practical. Ethical. Reproducible. Research-Ready.



INTERACTIVE
Demos + Guided
Exercises



NON-CODING
Approach for
Researchers



**RESPONSIBLE &
ETHICAL AI**
Use



**PUBLISHABLE-
GRADE**
Outputs



CERTIFICATE
of Participation

2-DAY HANDS-ON WORKSHOP OVERVIEW Industrial-Academic certification.

DAY 1 FOUNDATIONS → LITERATURE & EVIDENCE SYNTHESIS



LLMs from First Principles
Concepts, capabilities, limitations
& clinical relevance



Responsible & Ethical Use
Privacy, bias, reproducibility, regulation
& safe AI practices



LLMs for Systematic Reviews
PICO, search strategy, screening,
extraction, risk of bias



Meta-analysis with LLM Assistance
Text to data, effect size extraction,
narratives & integration with R/RevMan



DAY 2 IPD, REAL-WORLD DATA & OMICS



IPD Meta-Analysis
Variable harmonization, mapping CRFs,
missingness & schema generation



OPD, CRF & Secondary Clinical Data
Concept extraction, phenotyping,
coding (ICD/SNOMED) & trends



LLMs for Omics Meta-Datasets
Genomics, transcriptomics, proteomics
interpretation & pathway insights



**Build your Own AI agents for
multistep tasks/workflows,
and hands-on.**

WHAT YOU TAKE HOME



Prompt library for:

- Systematic review
- Meta-analysis
- IPD harmonization
- Omics interpretation



**Reproducible workflow
templates**



**Data extraction &
harmonization
frameworks**



**Ethical & responsible
AI use guidelines**



**Publication-ready
methods drafting
support**

TOOL STACK (NON-OVERWHELMING)



LLM INTERFACES

Claude Local LLM



Zotero/
Rayyan



RESEARCH TOOLS
R (Templates)



Excel /
CSV



JASP/
RStudio



Mermaid /
Draw.io

MEET YOUR TRAINERS



Dr. Apoorv Gupta
Ex- Consultant (Data Science)
Reviana Innovation Pvt Ltd
(Postdoctoral Fellow IDDO,
Oxford University, UK &
Teaching Fellow SAU, Delhi)

Experience:
11+ years in Data Science &
6+ years in Clinical Data Management
Specialization:
Database/Repositories Development,
Machine Learning, CRO Management,
Clinical Database Management, Malaria



Dr. Jai Chand Patel
Sr. Bioinformatician,
Reviana Innovation Pvt Ltd
(Postdoctoral Fellow UNMC,
Nebraska, USA &
NPDF India)

Experience:
13+ years in Bioinformatics &
Machine Learning
Specialization:
Developing ML/DL pipelines for multiomics
analysis, Integration of LLM / Joyner model
with omics & clinical datasets



**Dr. Syed Areeb
Shah Hussain**
Data Scientist & Biostatistician,
Reviana Innovation Pvt Ltd
(Master Universiti Islam
Antarabangsa, Malaysia &
PhD, ACSIR)

Experience:
12+ years in Vector Research &
Data Science
Specialization:
Development of ML models to study climate
effects of different vectors, LLMs for clinical
research & epidemiology



CHAIRMAN OF THE WORKSHOP
Dr. Praveen Bharti
Director, NITHR
Jabalpur, M.P.



CO-CHAIRMAN OF THE WORKSHOP
Dr. Abhinav Kumar Singh
Director,
Reviana Innovations Pvt. Ltd.



CONVENOR OF THE WORKSHOP
Dr. Ravindra Kumar
Sc-D, NITHR
Jabalpur, M.P.

**31st July 2026
To
1st Aug 2026**

WHO SHOULD ATTEND?

- Clinical Researchers
- Epidemiologists
- Biostatisticians
- Bio-Informatics Professional
Research Fellows
- Healthcare Professional

WHY CHOOSE THIS WORKSHOP?

- ✓ Designed for Non- Programmers
- ✓ Practical, Real-world Research use cases
- ✓ Hands-on Exercises with Real Datasets
- ✓ Focus on Responsible & Reproducible AI



VENUE
NITHR, Jabalpur
Madhya Pradesh

DURATION 2 DAYS

31st July and 1st Aug, 2026

Hands-On Learning

- Demos
- Guided Practice
- Real Use Cases

LIMITED SEATS! RESERVE YOUR SPOT NOW

Registration Fees
Rs. 9999/- + GST
Inclusive of Food and Stay.
Early Registration
Strongly Recommended

SCAN TO REGISTER



JABALPUR, MADHYA PRADESH, INDIA

