



Artificial Intelligence in Medical Research : Hands on Applications



Organized by: Department of Biochemistry, Dr. RMLIMS, Lucknow

18th DECEMBER 2025

Venue: Demonstration Hall, Department of Biochemistry, First Floor, Academic Block, Dr. RMLIMS, Lucknow

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Workshop Faculty
Major Dr. Ashlesha Tawde Kelkar
Associate Professor,
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Highlights of Workshop:

1. Understand the role of AI in Medical education and Medical Research.
2. Gain hands-on experience using AI tools for literature search, analysis, and drafting research proposals.
3. Develop skills to efficiently utilize AI to enhance research productivity and quality.

PROGRAM SCHEDULE

Session 1: Introduction to AI in Research (11/2hour)

Welcome and Overview of Components of Research Proposal	60 min
Brief overview on <ul style="list-style-type: none"> • AI applications in Academic research. • AI Tools and Technologies. • Introduction to key AI tools for literature review (e.g., AI-powered search engines, text analysis tools). 	30 min

Session 2: AI in Research Proposal Writing (2 hour)

<ul style="list-style-type: none"> • Drafting Research Proposals with AI. • Overview of AI tools for proposal writing (e.g.Chat GPT Claude, Gemini, Paperpal). • Hands-on activity: AI driven paper writing and research proposal preparation. • Hands-on activity: Revising and refining a proposal draft with AI tools. • Hands on activity on Research Questionnaire Development 	120 min
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Session 3: AI in Literature Review and Data analysis (2 hour)

<ul style="list-style-type: none"> • Literature Search Using and Demonstration of AI-powered search engines (e.g. Scispace, Research Rabbit, Consensus, elicit etc.). • Hands-on activity: Conducting a literature search on a given topic using AI tools. • Hands on activity on drafting a literature review using AI Claude and Paperpal • Hands-on activity: AI driven data analysis 	120 min
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Session 4: Citation Mangement (1 hour)

Citation Management and Organization Overview of AI-driven citation management tools (e.g., Zotero, Mendeley) Hands-on activity: Organizing and managing references using AI tools.	60 min
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Session 5: Ethical Considerations and plagiarism (30 min)

Plagiarism and Discussion on ethical issues related to AI use in research	30 min
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Feedback and question and answers questions

REGISTRATION DETAILS

Residents/Research scholars : Rs. 1,000
Faculty : Rs. 2,000

Last Date to Register : 01th November 2025

Certificates will be provided to all participants

CONTACT DETAILS

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SCAN QR CODE
FOR PAYMENT



Workshop Registration Click Here :

<https://forms.gle/FHz4kMz5XsAojJJEa>

