FIVE-DAY FACULTY DEVELOPMENT PROGRAMME

On

AI-Enabled Research Methodology

14–18 October, 2026

(Online Mode)



Organized By:

ACADEMIC & ADMINISTRATIVE DELEVOPMENT CENTRE

UDAI PRATAP COLLEGE, VARANASI

(Autonomous Institution)

Under the Sponsorship of

Association of Indian Universities, New Delhi

ACCREDITED WITH GRADE A NAAC

Innovating Research • Strengthening Methodology • Advancing Responsible AI

About the Organisers & Host Institution

Association of Indian Universities (AIU)

The apex inter-university organization and representative body of universities and other higher education institutions in India. AIU promotes academic and administrative development and supports continuous professional development through Academic and Administrative Development Centers (AADCs).

Academic & Administrative Development Centre (AADC)

AIU-AADC centers organize short-term professional development programmes focused on emerging technologies, blended learning, outcome-based education, and capacity building of higher-education stakeholders.

Udai Pratap College, Varanasi

A premier higher-education center in eastern Uttar Pradesh, founded by Rajarshi Udai Pratap Singh Judeo. The autonomous institution has a 100-acre campus and offers programmes in Arts, Science, Commerce, Education and Agriculture. It is NAAC Accredited with 'A' Grade (CGPA 3.16), and holds recognition including College with Potential for Excellence, DST-FIST and DBT-Star College.

THE FDP

Programme at a Glance

A focused five-day learning journey on the responsible use of AI across the research lifecycle.

Objective of AADC

- Continuous knowledge and skill enhancement for faculty to contribute effectively to the changing landscape of higher education
- Training administrative staff in emerging information technologies
- Introducing research scholars to academic integrity and professional ethics
- Preparing library professionals and technical staff for global and local knowledge needs

Programme Focus

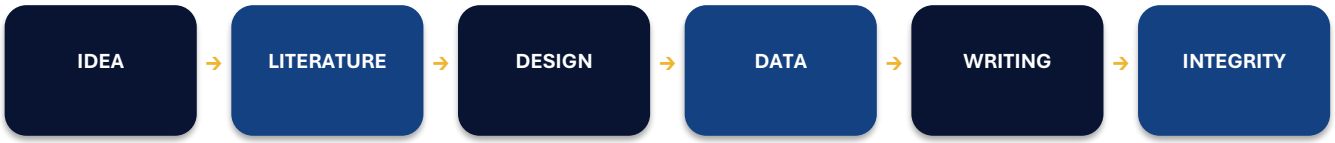
AI-supported approaches for:

- Idea generation & research questions
- Literature discovery & synthesis
- Research design & methodology
- Data collection, analysis & visualization
- Academic writing & referencing
- Research integrity & responsible AI

Core Objectives

- Understand AI across the complete research lifecycle.
- Identify research gaps, questions and objectives.
- Explore AI-assisted literature review, design, writing and citation.
- Use AI tools for data collection, processing, analysis and visualization.
- Build practical AI-assisted research skills.

From research idea → evidence → methodology → analysis → scholarly communication



Programme Philosophy

Innovation with scholarly integrity: practical AI use while preserving transparency, accuracy, authorship and responsible research practice.

FDP SCHEDULE

Five-Day Journey

Two interactive sessions each day • 2:00–3:30 PM & 3:45–5:15 PM

14 Oct. • Wednesday

SESSION-I • 2:00–3:30 PM

Artificial Intelligence in Research

Role of AI in research; research lifecycle; AI tools; opportunities and limitations

SESSION-II • 3:45–5:15 PM

Discover Research Gaps with AI

Finding research gaps; problem formulation; research questions; objectives; use of AI for brainstorming and exploration

15 Oct. • Thursday

SESSION-I • 2:00–3:30 PM

AI for Literature Discovery & Synthesis

Literature discovery; search strategies; summarization; comparison of studies; thematic synthesis; identifying research trends

SESSION-II • 3:45–5:15 PM

AI-Assisted Research Design

Research design; hypotheses; conceptual/theoretical frameworks; qualitative, quantitative and mixed-method approaches

16 Oct. • Friday

SESSION-I • 2:00–3:30 PM

AI for Research Instruments & Data Collection

Questionnaires; surveys; interview schedules; observation protocols; scale development; pilot testing and validation

SESSION-II • 3:45–5:15 PM

AI for Data Analysis, Interpretation & Visualization

Data cleaning; exploratory analysis; statistical support; qualitative coding; data visualization; interpretation of findings

17 Oct. • Saturday

SESSION-I • 2:00–3:30 PM

Generative AI for Academic Writing

Manuscript structure; academic language; paraphrasing; editing; abstracts; keywords; improving clarity and scholarly communication

SESSION-II • 3:45–5:15 PM

AI-Assisted Referencing & Research Integrity

Reference management; citation verification; finding appropriate sources; citation accuracy; avoiding fabricated references

18 Oct. • Sunday

SESSION-I • 2:00–3:30 PM

Plagiarism, AI-Generated Content & Responsible Use of AI

Similarity detection; AI-generated text; authorship; disclosure; transparency; ethical considerations; responsible AI practices

SESSION-II • 3:45–5:15 PM

Hands-on Workshop: Research Proposal with AI

Practical application of AI across problem identification, literature review, methodology, instruments, writing, referencing and proposal development

Signature Outcome

Participants complete the FDP with a responsible, reproducible AI-enabled research workflow and practical experience in developing a research proposal.

Learning Outcomes & Participant Information

By the end of the FDP, Participants will be able to:

- Apply AI tools responsibly across research stages.
- Identify research gaps and formulate meaningful questions.
- Conduct systematic and efficient literature searches.
- Organize and analyze research literature using digital tools.
- Use AI-assisted techniques for data analysis and visualization.
- Manage citations and references effectively.
- Develop an AI-assisted research proposal.
- Design a responsible and reproducible AI-enabled research workflow.

Beneficiaries to Participate

- ❖ Faculty Members
- ❖ Research Scholars
- ❖ Postgraduate Students
- ❖ Academic Administrators of Higher Education Institutions

Certificate Requirement

The Certificate shall be issued to those participants who attend the programme with a minimum 80% attendance and score a minimum of 70% marks in the test/assessment.

REGISTRATION DETAILS

Registration Fee: ₹ 500

Mode: Online

Registration Link: https://forms.gle/qTvAUVsPg1zoKVBG6

Last Date of Registration : **12 October, 2026**

What's App Group Link: https://chat.whatsapp.com/EDOXp3qxYh7CrYs3VpDc0O

Host Institution: **Udai Pratap College, Varanasi – 221002**

Contact No: 8957440448 (Coordinator)

9452561187 (Co-Coordinator)

Email: aiu.aadc.upc@gmail.com

Website: http://www.upcollege.ac.in

FDP:AI-Enabled Research Methodology
WhatsApp group

FDP / AADC Committee

CHIEF PATRONS



Prof. Dharmendra Kumar Singh
Principal
Udai Pratap College, Varanasi



Prof. Vinay Kumar Pathak
President
Association of Indian Universities, New Delhi



Dr. Ranjana Parihar
Joint Secretary
Association of Indian Universities, New Delhi



NODAL OFFICER
Prof. Devendra Kumar Singh
Professor
Department of Physics



CONVENER
Prof. Ashutosh Gupta
Professor
Department of Chemistry



FDP COORDINATOR
Dr. Vineet Kumar Rai
Assistant Professor
Department of Geography



FDP CO-COORDINATOR
Dr. Navin Kumar Yadav
Assistant Professor
Department of English

FACULTY DEVELOPMENT PROGRAMME

AI-Enabled Research Methodology

(14–18 October, 2026)





Rajarshi Temple

For registration and programme updates

www.upcollege.ac.in

Academic & Administrative Development Centre

Udai Pratap College, Varanasi – 221002

Under the Sponsorship of Association of Indian Universities, New Delhi

Learn • Innovate • Research Responsibly