

**ANNEXURE NO. 22**

**DETAILS OF  
FDP / MDP  
ORGANIZED**

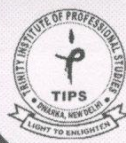
## Faculty Development Programme

| S.NO | FDP Conducted                                                                          | Date                      |
|------|----------------------------------------------------------------------------------------|---------------------------|
| 1    | AI for empowering educators in the light of NEP 2020                                   | 12th to 17th January 2026 |
| 2    | Artificial Intelligence for Academic Research: Tools, Techniques and Ethical Practices | 7th to 12th July 2026     |

**DIRECTOR**  
 Trinity Institute of Professional Studies  
 (Adj. Metro Pillar No. 1160, Institutional Area)  
 Sector-9, Dwarka, New Delhi-110075

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FDP



**TRINITY INSTITUTE  
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**ONE WEEK  
FACULTY DEVELOPMENT PROGRAMME  
ON**

**ARTIFICIAL INTELLIGENCE  
FOR EMPOWERING EDUCATORS  
in the Light of NEP 2020**

**12<sup>th</sup> - 17<sup>th</sup> January 2026**

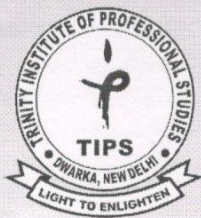
**ORGANISED BY**

**RESEARCH & DEVELOPMENT CELL UNDER AEGIS OF  
INTERNAL QUALITY ASSURANCE CELL (IQAC) OF**

**TRINITY INSTITUTE OF PROFESSIONAL STUDIES (TIPS), DWARKA, NEW DELHI**

**DIRECTOR**

Trinity Institute of Professional Studies  
Metro Pillar No. 1160, Institute  
Sector Dwarka, New Delhi



### About Us

Trinity Institute of Professional Studies (TIPS), located in Dwarka, New Delhi, is just a short walk from the Dwarka Sector-10 Metro Station. Affiliated with GGSIPU, approved by AICTE and the Bar Council of India, and recognized by UGC, the institute is graded 'A+' by the SFRC Government of NCT of Delhi and accredited by NAAC with Grade 'A'. TIPS offers a vibrant academic environment for students across various disciplines, such as Management, Commerce, Information Technology, Journalism and Mass Communication, and Legal Studies.

### About the Programme

New Education Policy (NEP 2020) aims to provide outcome-based education along with empowering the educators. In the ever-evolving landscape of education, Artificial Intelligence (AI) is emerging as a powerful catalyst for innovation. AI is redefining the way educators teach, and students learn.

This 6-days Faculty Development Programme (FDP) on "**Artificial Intelligence for Empowering Educators in the light of NEP 2020**" aims to equip faculty members with practical insights, ethical perspectives, and hands-on knowledge in the use of AI in Course Planning-Execution-Monitoring & Assessment along with Automated Feedback and enhancing the research acumen from intelligent tutoring systems and personalized learning experiences to automated AI driven Teaching-Learning.

The Faculty Development Programme is open to:

- Faculty members (Permanent/Ad-hoc/Guest) from recognized Universities and Colleges
- Academicians from disciplines including **Management, Commerce, Computer Science & IT, Journalism & Mass Communication, Law, Education, and allied**

- **Research Scholars (Ph.D./M.Phil.)** interested in AI-enabled teaching, learning, and research
- Academic administrators involved in curriculum design, assessment, and quality assurance

### Objective of the Programme

The primary objectives of the FDP are to:

- Enable faculty members to effectively implement the **vision and objectives of NEP 2020** through AI-driven educational practices
- Familiarize educators with **AI tools and applications** for course planning, execution, monitoring, and assessment
- Promote **outcome-based education (OBE)** through AI-supported CO-PO mapping, Bloom's Taxonomy alignment, and attainment analysis
- Develop competencies in **AI-enabled teaching-learning processes**, including content creation, assessment, feedback, and LMS integration
- Create awareness about **ethical, responsible, and transparent use of AI** in education and research
- Enhance **research capabilities** through AI-assisted literature review, data analysis, citation management, and plagiarism checking
- Encourage interdisciplinary and innovative pedagogical practices using AI technologies

**Potential Beneficiaries:** Faculty members of academic institutions and Research scholars.

**Course Content:** The FDP is carefully designed to blend foundational concepts, contemporary tools, and practical implementation strategies for Artificial Intelligence in Education. The course content includes:

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## PROGRAMME SCHEDULE

### ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON ARTIFICIAL INTELLIGENCE FOR EMPOWERING EDUCATORS IN THE LIGHT OF NEP 2020

(12th January to 17th January 2026)

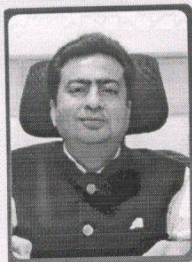
Day-wise Schedule (10:00 PM –12:00 PM and 2:00-4:00)

| Day & Date             | Time                                               | Topic                                                                                                                                                                                                                     | Speaker                         |
|------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Day 1<br>12th Jan 2026 | 10:00AM-10:30AM                                    | Inaugural Session                                                                                                                                                                                                         |                                 |
|                        | 10:30AM-11:00AM                                    | • Keynote Address                                                                                                                                                                                                         | Prof. (Dr.) Dhananjay Joshi     |
|                        | Theme: NEP 2020 and Foundations of AI in Education |                                                                                                                                                                                                                           |                                 |
|                        | 11:00AM-1:00PM                                     | <b>Session I</b> <ul style="list-style-type: none"> <li>National Education Policy (NEP) 2020: Vision for Outcome-Based and Technology-Enabled Education</li> </ul>                                                        | Dr. Vandana Sharma              |
| Day 2<br>13th Jan 2026 | 2:00PM - 4:00PM                                    | <b>Session II</b> <ul style="list-style-type: none"> <li>Introduction to Artificial Intelligence in Education</li> <li>AI Tools: Opportunities, Benefits, and Challenges in Teaching-Learning</li> </ul>                  | Prof. (Dr.) Ehtiram Raza Khan   |
|                        | Theme: AI in Course Planning and Curriculum Design |                                                                                                                                                                                                                           |                                 |
|                        | 10:00AM-12:00PM                                    | <b>Session I</b> <ul style="list-style-type: none"> <li>AI-assisted Lesson Planning</li> <li>Designing Assignments, Presentations, and Quizzes using AI</li> <li>CO-PO Mapping and Bloom's Taxonomy Alignment</li> </ul>  | Prof. (Dr.) Pavnesh Kumar       |
|                        | 2:00PM - 4:00PM                                    | <b>Session II</b> <ul style="list-style-type: none"> <li>Live Demonstration and Hands-on Practice</li> <li>AI Tools for Curriculum Design and Academic Planning</li> </ul>                                                | Prof. (Dr.) Ambuj Kumar Agarwal |
| Day 3<br>14th Jan 2026 | Theme: AI in Course Execution and Monitoring       |                                                                                                                                                                                                                           |                                 |
|                        | 10:00AM-12:00PM                                    | <b>Session I</b> <ul style="list-style-type: none"> <li>AI-based Content Creation: Lectures, Notes, Summaries, Caselets, and Visuals</li> <li>Storytelling, Gamification, and Student Engagement</li> </ul>               | Prof. (Dr.) Monika Srivastava   |
|                        | 2:00PM - 4:00PM                                    | <b>Session II</b> <ul style="list-style-type: none"> <li>Attendance Analytics and Learning Analytics</li> <li>LMS Integration and Student Progress Monitoring</li> <li>Live Demonstration and Practice Session</li> </ul> | Prof. (Dr.) Jagpal Singh Rana   |

| Day & Date             | Time                                               | Topic                                                                                                                                                                                                                    | Speaker                       |
|------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Day 4<br>15th Jan 2026 | Theme: AI in Assessment and Feedback               |                                                                                                                                                                                                                          |                               |
|                        | 10:00AM-12:00PM                                    | <b>Session I</b> <ul style="list-style-type: none"> <li>AI-assisted Rubric Design</li> <li>CO-PO Attainment Analysis</li> <li>Continuous and Comprehensive Evaluation using AI</li> </ul>                                | Prof. (Dr.) Anil Sehrawat     |
|                        | 2:00PM - 4:00PM                                    | <b>Session II</b> <ul style="list-style-type: none"> <li>Automated Digital Feedback Systems</li> <li>Hands-on Session on AI-based Assessment Tools</li> </ul>                                                            | Anudip                        |
|                        | Theme: Ethical Use of AI in Research and Academics |                                                                                                                                                                                                                          |                               |
| Day 5<br>16th Jan 2026 | 10:00AM-12:00PM                                    | <b>Session I</b> <ul style="list-style-type: none"> <li>Ethical and Responsible Use of AI</li> <li>AI in Research: Literature Review, Theme Extraction, and Summarization</li> </ul>                                     | Prof. (Dr.) Ruchika Gupta     |
|                        | 2:00PM - 4:00PM                                    | <b>Session II</b> <ul style="list-style-type: none"> <li>Data Insights and Analysis using AI</li> <li>Citations, Referencing, and Plagiarism Detection Tools</li> <li>Live Demonstration and Practice Session</li> </ul> | Prof. (Dr.) Danish Ather      |
|                        | Theme: Professional Development and Future Roadmap |                                                                                                                                                                                                                          |                               |
|                        | 10:00AM-12:00PM                                    | <b>Session I</b> <ul style="list-style-type: none"> <li>Valedictory Session</li> <li>Panel Discussion: <i>Role of Attitude in Professional Development of Educators</i></li> <li>Roadmap for AI-enabled</li> </ul>       | Prof. (Dr.) Aparna Sharma     |
| Day 6<br>17th Jan 2026 | 12:00PM-12:30PM                                    | • Online Test + Feedback Form                                                                                                                                                                                            |                               |
|                        | 2:00PM - 4:00PM                                    | <b>Session II</b> <ul style="list-style-type: none"> <li>Participant Feedback and Reflection</li> <li>Certification Ceremony</li> </ul>                                                                                  |                               |
|                        |                                                    | • Programme Conclusion                                                                                                                                                                                                   | Prof. (Dr.) Ajay Kumar Sharma |

*[Signature]*  
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## EMINENT SPEAKERS



**Prof. (Dr.)  
R.K. Tandon**  
Chairman, TIPS



**Dr. Reema Tandon**  
Vice-Chairperson, TIPS



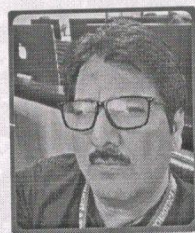
**Prof. (Dr.)  
Dhananjay Joshi**  
Professor- USE, GGSIPU



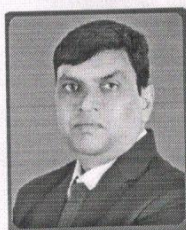
**Prof. (Dr.)  
Ashutosh Agarwal**  
Director, TIPS



**Dr. Vandana Sharma**  
Associate Professor,  
Christ University



**Prof. (Dr.)  
Ehtiram Raza Khan**  
Honorary Adjunct Professor,  
Jamia Hamdard



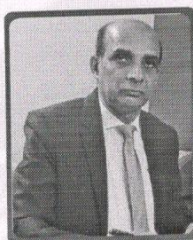
**Prof. (Dr.)  
Pavnesh Kumar**  
Professor, IGNOU



**Prof. (Dr.)  
Ambuj Kumar Agarwal**  
Professor, Sharda University



**Prof. (Dr.)  
Monika Srivastava**  
Professor and Dean  
SGT University, Gurugram,



**Prof. (Dr.)  
Jagpal Singh Rana**  
Director, Accman, GN



**Prof. (Dr.) Anil Sehrawat**  
Domain Head-Languages,  
Amity Institute of Corporate  
Communication, GN



**Prof. (Dr.) Ruchika Gupta**  
Director, Mangalmay  
Institute of Management  
and Technology, GN



**Prof. (Dr.) Danish Ather**  
Professor, Amity University  
Uzbekistan



**Prof. (Dr.)  
Aparna Sharma**  
Director, School of Liberal  
Arts, NIU

## REGISTRATION

- Registration is mandatory for all participants
- Interested participants must register through the online registration link <https://docs.google.com/forms>
- Last date for registration: 5 January 2026
- Registration Fee: FREE

## SCAN TO REGISTER



## IMPORTANT NOTES

- No spot registration will be permitted
- Confirmation and joining details will be shared via registered email
- E-Certificates will be issued only to participants who attend the programme in full and successfully meet all participation requirements. Hard copy certificates will be issued exclusively to participants attending the programme in offline mode.

## MODE: HYBRID

## ORGANIZING COMMITTEE

### Chief Patron

**Prof. (Dr.) R.K. Tandon**  
Chairman, TIPS

### Patron

**Dr. Reema Tandon**  
Vice-Chairperson, TIPS

### Conveners

**Prof. (Dr.) Ashutosh Agarwal**  
Director, TIPS

**Prof. (Dr.) Shashi Bala**  
Principal (Law), TIPS

**Prof. (Dr.) Ajay Kumar Sharma**  
Dy. Director, TIPS

### Co-Conveners

**Prof. (Dr.) R. K. Singh**

**Prof. (Dr.) Mukta Sharma**

**Prof. (Dr.) Ruchika Gupta**

**Dr. Neha Arora**

### Co-ordinators

**Dr. Arti Bajaj**

**Dr. Ksh. Krishna Bati Singha**

**Dr. Shikha Patheja**

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## Faculty Development Programme (FDP)

**“Using Artificial Intelligence for Empowering Educators in the Light of NEP 2020”**

**Trinity Institute of Professional Studies, Dwarka**

**January 12–17, 2026**

Trinity Institute of Professional Studies (TIPS), Dwarka successfully organised a six-day Faculty Development Programme (FDP) titled *“Using Artificial Intelligence for Empowering Educators in the Light of NEP 2020”* from January 12 to January 17, 2026. The programme was organised with the objective of enhancing faculty competencies in teaching, curriculum design, assessment, research, and academic administration through the informed, ethical, and effective use of Artificial Intelligence (AI). The FDP was aligned with the vision, principles, and reforms proposed under the National Education Policy (NEP) 2020, particularly focusing on technology-enabled learning, outcome-based education, interdisciplinary approaches, and continuous professional development of educators.

The programme witnessed active participation from faculty members across departments and provided a comprehensive academic platform for knowledge sharing, skill enhancement, and reflective professional learning.

### Day 1

The programme commenced with the inaugural session led by **Dr. Vandana Sharma, Associate Professor, Christ University, Delhi NCR Campus**. She introduced faculty members to the fundamental concepts of Artificial Intelligence, including generative and agentic AI, and explained their relevance in contemporary higher education. Dr. Sharma elaborated on the use of AI tools for content creation, personalized learning, automated assessment, administrative efficiency, and research support. She strongly emphasised ethical considerations such as data privacy, bias mitigation, academic integrity, and responsible AI usage, aligning AI adoption with the ethical framework of NEP 2020.

The second session of Day 1 was conducted by **Dr. Khan**, who possesses rich teaching and research experience across undergraduate, postgraduate, and doctoral programmes including B.Tech, M.Tech, MCA, and Ph.D. levels. His session focused on the judicious and responsible use of AI in higher education and discussed how AI is introducing new learning systems, digital competencies, and future-ready education models, in line with NEP 2020.

### Day 2

Day 2 focused on curriculum planning and practical applications of AI. **Prof. Dr. Pavnesh Kumar, Professor, Indira Gandhi National Open University (IGNOU), New Delhi**, delivered an insightful session on AI-enabled course planning and curriculum development. He highlighted the use of AI for needs analysis, outcome mapping, learner categorisation, feedback generation, and alignment of programme objectives and course objectives.

  
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The second session was conducted by **Dr. Ambuj Kumar Agarwal, Professor, Sharda University**, who provided live demonstrations of AI tools used for lesson planning, instructional design, student engagement, assessment, research support, and academic administration. His hands-on approach enabled faculty members to understand the practical applicability of AI across various facets of education.

#### Day 3

Day 3 featured two eminent academicians. **Dr. Monika Srivastava, Dean, SGT University**, addressed participants on outcome-based education, academic leadership, research integration, and professional development. She emphasised innovative pedagogies, ethical teaching practices, accreditation requirements, and continuous learning as essential components of academic excellence.

The second session was conducted by **Dr. Jagpal Singh Rana, Director, Accman Business School, Greater Noida**, who focused on research-driven teaching, quality assurance, interdisciplinary collaboration, and mentorship. He highlighted the role of educators as academic leaders and change agents in higher education.

#### Day 4

Day 4 concentrated on AI-driven assessment and evaluation reforms. **Prof. (Dr.) Anil Sehrawat, Domain Head – Languages, Amity University, Noida**, discussed AI-assisted rubric design, CO-PO attainment analysis, continuous and comprehensive evaluation, and learner analytics aligned with NEP 2020 and Outcome-Based Education.

The second session included an **IBM-certified course on “AI in Practice”** guided online by **Ms. Kiran Rani**. Practical training was further enriched by **Mr. Adinath Kolhapure, AI Master Trainer, Anudip Foundation**, and **Prof. (Dr.) Veena Hada, Director and Professor, Amity University, Raipur**, who demonstrated automated digital feedback systems, Copilot tools, NotebookLM, and AI-based assessment platforms.

#### Day 5

Day 5 addressed professional attitude and ethical responsibility. **Dr. Aparna Sharma, Director, School of Liberal Arts, Noida International University**, delivered a session on the *Role of Attitude in Professional Development of Educators*, highlighting adaptability, reflective practice, emotional intelligence, and responsible AI usage.

The second session was led by **Dr. Ruchika Gupta, Director, Mangalmay Institute of Management and Technology**, who elaborated on the *Ethical Use of Artificial Intelligence in Research and Academics*, focusing on plagiarism, authorship, transparency, bias, and academic integrity.

#### Day 6

  
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The concluding day featured **Dr. Danish Anther, Professor, Amity University, Uzbekistan**, who discussed ethical AI usage in research and academics and demonstrated research tools such as Mendeley. The final session was delivered by **Dr. Dhananjay Joshi, Professor, Guru Gobind Singh Indraprastha University (GGSIPU)**, who emphasised academic excellence, research orientation, professional responsibility, and national development goals such as *Viksit Bharat 2047*. Certificates of participation were distributed, followed by a vote of thanks by **Dr. Mukta, HoD (CS & IT), TIPS**.

### Conclusion

The six-day Faculty Development Programme was comprehensive, impactful, and academically enriching. It strengthened faculty competence in AI-enabled pedagogy, assessment reforms, research ethics, and professional development. The programme reaffirmed Trinity Institute of Professional Studies' commitment to academic excellence, ethical innovation, and continuous faculty empowerment in alignment with NEP 2020 and UGC guidelines.

  
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ONE-WEEK NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME (FDP)

# Artificial Intelligence for Academic Research: Tools, Techniques and Ethical Practices

Dates: July 7th – July 12th, 2026

Offline Mode

**Organized By:** Internal Quality Assurance Cell (IQAC) of Trinity Institute of Professional Studies (TIPS), Sector-9, Dwarka, New Delhi.

(Affiliated to GGSIPU, Recognized u/s 2(f) of UGC Act 1956, Grade 'A' Accredited by NAAC)

## ABOUT THE FDP

"AI will not replace researchers, but researchers who utilize AI will replace those who do not." In today's rapidly evolving scientific landscape, Artificial Intelligence is transforming academic inquiry. This FDP provides faculty members, post-doctoral fellows, and research scholars with actionable knowledge, hands-on tool mastery, and robust ethical frameworks required to conduct high-impact research in the digital age.

### 1. Discovery & Analysis

- Semantic Literature Search
- Citation Mapping

### 2. Data & Analytics

- Automated Data Mining
- Statistical Synthesis

### 3. Authoring & Draft

- Generative Manuscripting
- Smart Code/LaTeX

### 4. Ethics & Governance

- Plagiarism & Integrity
- COPE AI Guidelines

## KEY OBJECTIVES

### 1. Literature Discovery & Synthesis

Learn to leverage AI discovery engines (Consensus, Elicit, Connected Papers) to perform comprehensive systematic literature reviews in hours rather than weeks.

### 2. AI-Powered Data Analysis

Master hands-on prompts and computational tools for qualitative text mining, quantitative automated coding, and statistical visual interpretation.

### 3. Manuscript Writing & Grant Drafting

Utilize Generative AI assistants to streamline academic writing, refine LaTeX/Word editing, and structure competitive research proposals.

### 4. Research Ethics & Publication Standards

Navigate the complex ethics of AI attributions, data privacy, publication policies (COPE, IEEE, Elsevier), and anti-plagiarism verification protocols.

**6 Days**

INTENSIVE TRAINING

**12 Sessions**

THEORY & HANDS-ON

**15+ Tools**

PRACTICAL EXPOSURE

**Offline**

MODE

## COMPREHENSIVE TECHNICAL SCHEDULE

Daily sessions are split into Morning Conceptual Frameworks (10:00 AM – 12:30 PM) and Afternoon Hands-On Practical Labs (1:30 PM – 4:00 PM IST).

| Day & Date                   | Morning Session (10:00 AM – 12:30 PM)                                                                                                          | Afternoon Session (1:30 PM – 4:00 PM)                                                                                                       |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Day 1</b><br>Mon, 7 July  | <b>Inaugural &amp; Keynote:</b> Paradigm Shift in Academic Research with AI Frameworks. <i>Focus: AI landscape in global higher education.</i> | <b>Session 1: Literature Discovery</b> Automated literature mapping using Elicit, Consensus, Scite.ai, and Semantic Scholar.                |
| <b>Day 2</b><br>Tue, 8 July  | <b>Session 2: Prompt Engineering for Scholars</b> Principles of structured prompting, context setting, and zero/few-shot research synthesis.   | <b>Session 3: Reference &amp; Bibliometrics</b> Integrating AI with Zotero, Mendeley, and Connected Papers for network analysis.            |
| <b>Day 3</b><br>Wed, 9 July  | <b>Session 4: Quantitative Data Analysis</b> AI-assisted Python/R code generation, statistical testing, and SPSS pipeline support.             | <b>Session 5: Qualitative Data Mining</b> Thematic extraction, transcript coding, and sentiment mapping using NVivo & AI assistants.        |
| <b>Day 4</b><br>Thu, 10 July | <b>Session 6: Academic Writing &amp; Drafting</b> Drafting research papers, abstract generation, structure optimization, and grant proposals.  | <b>Session 7: Figure &amp; Visual Generation</b> Creating vector charts, conceptual figures, and LaTeX tables using AI visualization tools. |
| <b>Day 5</b><br>Fri, 11 July | <b>Session 8: Ethical AI &amp; Copyright Policy</b> COPE guidelines, publisher mandates, data confidentiality, and AI attribution standards.   | <b>Session 9: Plagiarism &amp; AI Integrity</b> Understanding AI detectors, similarity indices, and maintaining human-in-the-loop rigor.    |
| <b>Day 6</b><br>Sat, 12 July | <b>Session 10: Capstone Project</b> Hands-on submission of AI-assisted research proposal draft & peer evaluation.                              | <b>Valedictory &amp; Certificate Distribution</b> Valedictory address, participant feedback, capstone awards, and vote of thanks.           |

Note: E-Certificates will be issued to participants who complete a minimum of 80% attendance and submit the compulsory Assignments.

## ORGANIZING COMMITTEE

### Chief Patrons

**Dr. R.K. Tandon**  
Chairman, TIPS

**Dr. Reema Tandon**  
Vice Chairperson, TIPS

### Conveners

**Prof. (Dr.) Ashutosh Agarwal**  
Director, TIPS

**Prof. (Dr.) Shashi Bala**  
Principal, TIPS

### Co-Conveners

**Prof. (Dr.) Ruchika Gupta**

**Prof. (Dr.) Mukta Sharma**

**Prof. (Dr.) Rajni Saluja**

**Dr. Neha Arora**

### Programme Coordinators

**Dr. Arti Bajaj** – Associate Professor

**Dr. Nikia Anand** – Associate Professor

### Target Audience & Eligibility

Open to all Internal Faculty Members across Management, Commerce, Computer Science, Journalism, and Legal Studies.

*A. Singh*  
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## Faculty Development Programme (FDP)

### “Artificial Intelligence for Academic Research: Tools, Techniques and Ethical Practices”

Organized by: Internal Quality Assurance Cell (IQAC), Trinity Institute of Professional Studies, Dwarka

July 7–12, 2026

Trinity Institute of Professional Studies (TIPS), Dwarka successfully organised a six-day Faculty Development Programme (FDP) titled “Artificial Intelligence for Academic Research: Tools, Techniques and Ethical Practices” from July 7 to July 12, 2026. The programme was organised by the Internal Quality Assurance Cell (IQAC) with the objective of providing faculty members, post-doctoral fellows, and research scholars with actionable knowledge, hands-on tool mastery, and robust ethical frameworks required to conduct high-impact academic research in the digital age.

Aligned with the evolving scientific landscape and modern research standards, the FDP focused on empowering educators across Management, Commerce, Computer Science, Journalism, and Legal Studies. The intensive training spanned 6 days, featuring 12 interactive theory and practical lab sessions covering over 15 advanced AI research tools. The programme witnessed active participation from internal faculty members across departments, providing a comprehensive academic platform for knowledge sharing, skill enhancement, and reflective professional learning.

#### Day 1

The programme commenced with the inaugural session and keynote address delivered by **Prof. (Dr.) Ashutosh Aggarwal, Director, Trinity Institute of Professional Studies**. He introduced participants to the paradigm shift in academic research driven by AI frameworks, outlining the broader global landscape of AI in higher education. He emphasized how AI integration is reshaping scholarly inquiry and highlighted the critical importance of adopting digital competencies to keep research practices modern and effective.

The afternoon session (Session 1) was conducted by **Prof. (Dr.) Mukta Sharma, HoD-CS & IT, Trinity**, focusing on Literature Discovery. She provided a practical, hands-on walkthrough on using automated literature mapping tools including Elicit, Consensus, Scite.ai, and Semantic Scholar. Participants learned how to perform comprehensive systematic literature reviews efficiently, reducing search time from weeks to hours while maintaining academic rigor.

#### Day 2

Day 2 concentrated on advanced prompting methodologies and automated reference management systems. In the morning session (Session 2), **Prof. (Dr.) Mukta Sharma, HoD-CS & IT**, led an insightful class on Prompt Engineering for Scholars. She detailed the principles of structured prompting, context setting, and zero-shot/few-shot research synthesis, enabling faculty members to extract precise, high-quality analytical outputs from generative AI engines.

The afternoon session (Session 3) was conducted by **Prof. (Dr.) Rajni Saluja, HoD-Management**, focusing on Reference & Bibliometrics. She demonstrated how to integrate AI tools with reference managers such as Zotero and Mendeley, alongside citation mapping platforms like Connected Papers. The session enabled participants to perform network analysis, visualize literature relationships, and manage research bibliographies seamlessly.

#### Day 3

Day 3 was dedicated to quantitative and qualitative data analysis using AI assistance. In the morning session (Session 4), **Prof. (Dr.) Ashutosh Aggarwal, Director** addressed participants on Quantitative Data Analysis. She demonstrated AI-assisted code generation for Python and R, automated statistical testing procedures, and pipeline support for SPSS, helping educators streamline complex numerical analysis.

  
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The afternoon session (Session 5) was led by **Prof. (Dr.) R.K. Singh**, Head focusing on Qualitative Data Mining. He highlighted methods for thematic extraction, transcript coding, and sentiment mapping using NVivo in conjunction with AI assistants. His hands-on demonstrations empowered researchers to analyze textual data with higher precision and speed.

#### Day 4

Day 4 focused on AI-driven academic writing, document drafting, and visual communication. In the morning session (Session 6), **Prof. (Dr.) Ruchika Gupta**, **HoD-Journalism & Mass Communication** guided participants through Academic Writing & Drafting. She covered strategies for drafting research papers, abstract generation, structure optimization, and writing competitive grant proposals using generative AI assistants while preserving scholarly voice.

The afternoon session (Session 7) was conducted by **Dr. Aparna Chaturvedi**, Head NSS, IIC who focused on Figure & Visual Generation. She demonstrated the creation of high-quality vector charts, conceptual figures, and automated LaTeX tables using AI visualization tools, providing participants with practical skills to enhance the presentation of their research findings.

#### Day 5

Day 5 addressed research ethics, publication standards, and academic integrity. In the morning session (Session 8), **Prof. (Dr.) Shashi Bala**, **Principal, Law Department** delivered a thorough lecture on Ethical AI & Copyright Policy. She detailed Committee on Publication Ethics (COPE) guidelines, publisher mandates (IEEE, Elsevier, etc.), data confidentiality, and standard procedures for transparent AI attribution in scholarly work.

The afternoon session (Session 9), also led by **Prof. (Dr.) Shashi Bala**, focused on Plagiarism & AI Integrity. She provided in-depth insights into AI detectors, similarity indices, anti-plagiarism verification protocols, and the necessity of maintaining a "human-in-the-loop" approach to preserve research authenticity and academic rigor.

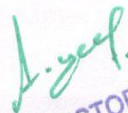
#### Day 6

The final day commenced with Session 10, a practical Capstone Project session guided by **Dr. Neha Arora**, **HoD-Commerce Department**. Participants applied the learnings from the preceding days by submitting AI-assisted research proposal drafts, followed by peer evaluations and constructive feedback.

The programme concluded with the Valedictory Session chaired by **Prof. (Dr.) Ashutosh Agarwal**. The session featured a valedictory address, participant feedback collection, recognition of outstanding capstone projects, and distribution of e-certificates to participants who fulfilled the attendance and assignment criteria. The event concluded with a formal vote of thanks, acknowledging the leadership of the Chief Patrons, **Dr. R.K. Tandon** (Chairman, TIPS) and **Dr. Reema Tandon** (Vice Chairperson, TIPS), the Conveners, Co-Conveners, Programme Coordinators (**Dr. Arti Bajaj** and **Dr. Nikita Anand**), and all faculty participants for making the FDP a resounding success.

#### Conclusion

The six-day Faculty Development Programme on “Artificial Intelligence for Academic Research: Tools, Techniques and Ethical Practices” was comprehensive, impactful, and academically enriching. It successfully enhanced faculty competencies across literature synthesis, data analytics, scholarly writing, and ethical publication practices. The programme reaffirmed Trinity Institute of Professional Studies' commitment to fostering academic excellence, ethical research innovation, and continuous professional empowerment for educators.

  
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