



# 14-Days National FDP on Generative AI and Advanced Tools for Academic Research

**Date: Dec 15 - 28, 2025**  
**Time: 6:00 PM - 7:00 PM**

**MODE  
ONLINE**

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**CALL FOR REGISTRATION**



# About **Scrollwell.**

Scrollwell is a dynamic and emerging organization in the education sector, dedicated to strengthening the education system and providing expertise in live training for professional development. Our commitment to excellence is reflected in our successful series of Faculty Development Programs for Digital Literacy, which have reached over 55,000 faculties from July 2020 to July 2025.

At Scrollwell, we recognize the challenges posed by teachers in the digital era, and our team of experts is dedicated to equipping educators with the latest knowledge and skills to deliver effective education. Our training programs are meticulously designed to cater to the diverse needs of professionals and learners, covering themes such as Engineering, Education, Start-up, and Entrepreneurship.

Our mission is to bridge the technological gap in education and empower those who shape the future.

We are recognized by esteemed organizations including **Startup India**, **MSME** and **Skill India Supported by Start-up Bihar** and the Centre for Innovation, Incubation & Legal Entrepreneurship, Chanakya National Law University, Patna.

## 14-Days FDP on Generative AI and Advanced Tools for Academic Research.

**Overview of FDP:** The Faculty Development Program (FDP) is a comprehensive initiative designed to empower educators, researchers, and academic professionals with advanced knowledge and practical skills in integrating Artificial Intelligence (AI) into academic research and administrative processes. The program focuses on hands-on learning, ethical considerations, and the latest tools and technologies, ensuring participants gain practical insights that can enhance their academic practices.

### Key Highlights:

- Covers AI in Academic Research with real-world applications and ethical considerations
- Hands-on training with GenAI tools like ChatGPT for writing, reviewing, and brainstorming
- Research Questionnaire Design using AI-driven tools (Google Forms, Typeform)
- AI-powered Research Paper Writing using MS Word (formatting, citations, editing)
- Complete reference management training with Mendeley & Zotero
- Exposure to Advanced AI Research Tools (Google Colab, TensorFlow, PyTorch)
- Create AI-enhanced PowerPoint presentations using Beautiful.ai, Canva, and other tools
- Learn AI-based academic writing & grant proposal drafting
- Data management & visualization using Excel, Power BI, Tableau, Matplotlib
- Strong focus on Ethical & Responsible AI Use
- Collaborative learning through discussions, activities, and projects
- Final assessment on Day 14 including project tasks & practical evaluation

### Focus Areas:

- AI in Academic Research
- Reference Management Tools (Mendeley, Zotero)
- AI for Writing & Editing (MS Word, PPT, Proposals)
- Data Handling & Visualization
- Ethical Use of AI

### Outcome - Participants will leave the FDP with:

Enhanced skills in using AI for research and academic administration.

A deeper understanding of AI tools and technologies applicable in educational settings.

Practical experience in managing academic projects and data with AI assistance.

Greater confidence in incorporating AI into their academic and professional workflows.

## TOPICS TO BE COVERED

## 1. Introduction to AI in Academic Research

- What is Artificial Intelligence (AI) and how it impacts academic work.
- Real-world applications of AI in research.
- Ethical considerations when using AI in academia, ensuring responsible use.
- Case studies showcasing AI's role in transforming research methods.

## 2. Using Gen AI Tools

- Hands-on exploration of tools like ChatGPT to enhance research workflows.
- How AI can assist with brainstorming ideas, writing, and literature reviews.
- Maximizing the potential of other Gen AI tools to boost productivity in research.

### 3. Creating Effective Research Questionnaires

- Step-by-step guide to designing research questionnaires using AI.
- Tools like Google Forms and Typeform for unbiased and clear question formulation.
- AI-driven approaches to detect bias and improve question quality.

#### 4. Research Paper Writing Using MS Word

- Streamlining research paper writing with AI-supported formatting.
- Managing citations efficiently within MS Word using AI tools.
- Enhancing paper quality through AI-powered editing and plagiarism detection.

## 5. Reference Management – Mendeley and Zotero

- Organizing and managing research references with Mendeley.
- Getting started with Zotero for effective reference management.
- Comparing Mendeley and Zotero to find the best fit for your research needs.

## 6. Advanced Tools for AI Research

- Exploring tools like Google Colab, TensorFlow, and PyTorch for AI research.
- Collaborating on projects using platforms like GitHub and Weights & Biases.
- Leveraging AI-driven tools for data annotation and model development.

## 7. Creating Engaging PowerPoint Presentations with AI

- Designing impactful PowerPoint presentations with AI tools.
- Structuring presentations with visuals, multimedia, and interactive content.
- Using tools like Beautiful.ai and Canva for automated slide design.

## 8. AI for Paper Writing and Grant Proposals

- Using AI to streamline research paper writing and proposal development.
- Structuring grant proposals with AI-supported language refinement and budgeting.
- Best practices for enhancing proposal quality with AI assistance.

## 9. Data Management and Visualization with AI

- Managing research data using AI-powered tools like Excel, Power BI, and Tableau.
- Automating data insights and visualizations with AI-driven platforms.
- Creating detailed visualizations with tools like Matplotlib and Seaborn.

## 10. Ethics and Responsible Use of AI

- Addressing ethical challenges in AI-driven academic research.
- Developing frameworks for the responsible and transparent use of AI.
- Building policies for ensuring ethical AI integration in research workflows.

## 11. Final Learning Outcome Assessment

- A comprehensive assessment covering all FDP topics.
- Group and individual project presentations with feedback from peers and facilitators.
- Practical application of AI tools in real-world academic research and teaching scenarios.

## REGISTRATION AND CONTACT DETAILS

### Program Fee:

INR 1000/- + Applicable GST

### Registration Link:

<https://scrollwell.com/course/14-days-fdp-on-generative-ai-and-advanced-tools-for-academic-research/>



MORE DETAILS



REGISTER HERE

### Contact Us:

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We are part of  
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MICRO, SMALL & MEDIUM ENTERPRISES  
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**STARTUP  
BIHAR**



## Know your **TRAINER.**

As the founder of Scrollwell, I am passionate about strengthening educators and empowering learners. Through my work, I strive to build a world where everyone has access to quality education and the tools they need to succeed.

Creating impactful solutions that empower learners and strengthen educators. With over 5 years of experience impacting 55000+ teachers, students, and young professionals through classroom boot camps and online courses.

I am a Google Certified Educator with teaching experience in both traditional and online learning environments, Moreover i am an MBA from National Institute of Technology, Jalandhar, and well accomplished in business planning, Microsoft Word, Microsoft PowerPoint, Microsoft Excel, and Digital Marketing. I have also consulted with various schools, organizations, and companies for education-related services across different geographies in India.

### **Roshan Kumar**

Founder and CEO - Scrollwell  
Google Certified Educator

**Portfolio Link:** [www.roshansingh.me](http://www.roshansingh.me)

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# Star-Merit System

The Star-Merit System promotes consistent learning, accountability, and engagement, while providing faculty with clear metrics to support participants' success.

It evaluates individuals across key performance indicators—attendance, assignment completion, engagement, and overall participation—ensuring recognition is based on measurable, sustained effort.

Category	What It Means	Weight
Attendance	Are you showing up on time?	25%
Engagement	Do you participate in class?	25%
Assignments	Are you submitting good work on time?	30%
Activeness	Do you help others or take initiative?	20%

## Scoring Method

Each area is rated on a scale of 1 to 5. Use this weighted formula:

## Final Score =

$$(\text{Attendance} \times 0.25) + (\text{Engagement} \times 0.25) + (\text{Assignments} \times 0.30) + (\text{Activeness} \times 0.20)$$



# Star-Merit System

Rating	Performance	Criteria Overview
1.0 ★	Very Poor	<ul style="list-style-type: none"><li>- Rarely attends sessions</li><li>- No meaningful engagement</li><li>- Assignments mostly missing</li><li>- Passive presence, if any</li></ul>
1.5 ★½	Poor	<ul style="list-style-type: none"><li>- Infrequent attendance</li><li>- Limited interaction</li><li>- Few assignments submitted</li><li>- Occasionally responsive</li></ul>
2.0 ★★	Below Average	<ul style="list-style-type: none"><li>- Attends irregularly</li><li>- Minimal participation</li><li>- Late or incomplete submissions</li><li>- Shows some signs of interest</li></ul>
2.5 ★★½	Low Average	<ul style="list-style-type: none"><li>- Attends over 50% of sessions</li><li>- Sporadic engagement</li><li>- Most assignments submitted but without depth</li><li>- Limited but improving involvement</li></ul>
3.0 ★★★	Average	<ul style="list-style-type: none"><li>- Regular attendance</li><li>- Participates when prompted</li><li>- Submits assignments on time with basic quality</li><li>- Shows consistency but lacks initiative</li></ul>
3.5 ★★★½	Fairly Good	<ul style="list-style-type: none"><li>- Above-average attendance</li><li>- Engages occasionally on own</li><li>- Assignments meet expectations</li><li>- Demonstrates increasing initiative</li></ul>
4.0 ★★★★	Good	<ul style="list-style-type: none"><li>- Consistent attendance</li><li>- Active in discussions and activities</li><li>- High-quality assignment submissions</li><li>- Often takes lead or helps peers</li></ul>
4.5 ★★★★★½	Very Good	<ul style="list-style-type: none"><li>- Nearly full attendance</li><li>- Proactively engages in learning</li><li>- Assignments show depth and originality</li><li>- Acts as a motivator or role model</li></ul>
5.0 ★★★★★	Excellent	<ul style="list-style-type: none"><li>- 100% attendance</li><li>- Highly engaged in all sessions</li><li>- Consistently exceptional assignments</li><li>- Fully active, collaborative, and adds value to the group</li></ul>

# Scrollwell Advantage



## Intuitive & Detailed Explanations

"Inspiring lectures with clear, concise, and engaging explanations."

## HD Videos + Crystal Clear Audio

"High-quality videos with clear audio for optimal viewing experience."



## Practice Exercises, Real-Time Feedback

"Improve skills with interactive exercises and instant feedback."

## Lifetime Access, Pocket Friendly

"Long-term value with budget-friendly options for continued access."



## Project-based learning

"Hands-on learning through practical projects and real-world application."

## Completion Certificate

"Official recognition of completion for added credibility and motivation."

