

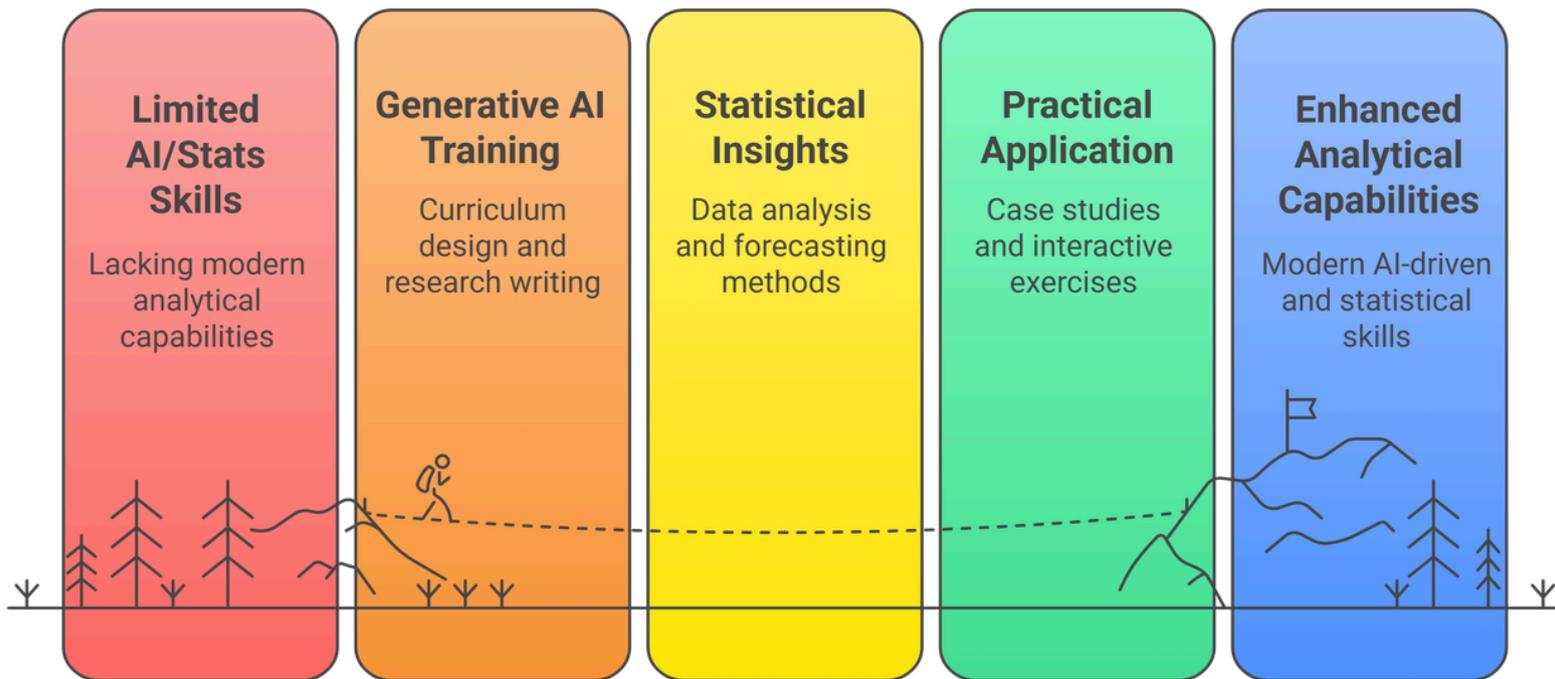
## Two-Week Training-cum-Workshop

# Empowering Management Education and Research through Generative AI and Statistical Insights

Innovating Education, Empowering Research

 Date: 01-14 Sep. 2025 |  Duration: 19:00-21:00 (IST) |  Mode: Online

### Empowering Management Education and Research



### Registration Fee:

- ◆ National Participants: ₹500 INR
- ◆ International Participants: \$15 USD

### For more information visit:

- ◆ [www.mttf.in/events-2/](http://www.mttf.in/events-2/)
- ◆ [www.mttfhub.com](http://www.mttfhub.com)



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# MATHTECH THINKING FOUNDATION

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## About the Workshop

The Two-Week Training-cum-Workshop on Empowering Management Education and Research through Generative AI and Statistical Insights is designed to equip educators, researchers, and professionals with modern AI-driven and statistical skills. The program blends theory with hands-on practice, covering applications of Generative AI in curriculum design, research writing, and decision-making, alongside advanced statistical methods for data analysis and forecasting. Participants will engage with real-world case studies, interactive demonstrations, and practical exercises to integrate these tools into teaching, research, and business problem-solving. Ideal for faculty, scholars, and industry professionals, the workshop aims to foster innovation, improve research quality, and enhance analytical capabilities in the management domain.

## Objectives

The primary objectives of this workshop are to:

- Provide a foundational understanding of Generative AI concepts and applications relevant to management.
- Equip participants with practical skills in using GenAI tools for teaching, curriculum development, and research.
- Enhance participants' understanding of advanced statistical techniques for data analysis and interpretation.
- Foster collaboration and knowledge sharing among participants.
- Promote the ethical and responsible use of GenAI and statistical methods in management education and research.

## Target Audience

Faculty members, research scholars, corporate trainers, and management professionals aiming to enhance their analytical and AI-driven teaching/research capabilities.

## Workshop Activities

The workshop will incorporate a variety of activities to enhance learning and engagement, including:

- **Lectures:** Expert-led presentations on key concepts and techniques.
- **Hands-on Exercises:** Practical exercises using GenAI tools and statistical software.
- **Case Studies:** Analysis of real-world examples of GenAI and statistical applications in management.
- **Group Discussions:** Collaborative discussions to share insights and best practices.
- **Project Work:** Participants will work on individual or group projects to apply the learned concepts to their own research or teaching.
- **Guest Speakers:** Presentations by industry experts and leading researchers in the field.

## Expected Outcomes

Upon completion of this workshop, participants will be able to:

- Understand the fundamentals of Generative AI and its applications in management.
- Use GenAI tools to enhance teaching, curriculum development, and research.
- Apply advanced statistical techniques for data analysis and interpretation.
- Critically evaluate the ethical implications of using GenAI and statistical methods.
- Develop innovative solutions to management challenges using GenAI and statistical insights.
- Contribute to the advancement of management education and research through the responsible and effective use of these tools.

## Criteria for Certificate of Participation

Participants will be awarded a Certificate of Participation upon fulfilling the following requirements:

- 1. Minimum Attendance:** At least **80%** attendance (i.e., participation in 10 out of 12 live sessions).
- 2. Active Engagement:** Participation in discussions, Q&A sessions, and interactive activities.
- 3. Assignment Completion:** Submission of all workshop assignments, case studies, or practical exercises within the given deadlines.
- 4. Feedback Submission:** Completion of the post-workshop feedback form.

Certificates will be issued digitally within 7 working days after the successful completion of the workshop and verification of all criteria.

## Day-Wise Schedule (14 Sessions | 2 Hours Each)

**Day 1 (1 September 2025):** Introduction to Generative AI: Overview of Generative AI, concepts, evolution, and applications in management education & research; Case examples from academia and industry

**Day 2 (2 September 2025):** AI-assisted Content Creation: Using AI for lecture notes, presentations, and study materials; Demonstration of AI-powered tools for curriculum design

**Day 3 (3 September 2025):** AI for Research Writing & Literature Review: Automating literature surveys, generating summaries, and drafting research outlines; Ethical considerations and avoiding plagiarism

**Day 4 (4 September 2025):** Case Studies: AI in Business and Management: AI-driven market analysis, customer insights, and organizational decision-making; Interactive discussion of real-world management AI applications

**Day 5 (5 September 2025):** Fundamentals of Statistical Thinking: Role of statistics in management research and decision-making; Identifying variables, data types, and research questions

**Day 6 (6 September 2025):** Data Collection and Preparation: Methods of data gathering, cleaning, and transformation; Tools for dataset preparation (Excel, Python, R basics)

**Day 7 (7 September 2025):** Descriptive Statistics and Visualization: Measures of central tendency, dispersion, and distribution; Creating effective visualizations using statistical software

**Day 8 (8 September 2025):** Inferential Statistics – Part 1: Hypothesis testing fundamentals: t-tests, chi-square, ANOVA; Hands-on exercises with management datasets

**Day 9 (9 September 2025):** Inferential Statistics – Part 2 & Regression: Correlation analysis and simple/multiple regression techniques; Application in business forecasting

**Day 10 (10 September 2025):** Predictive Modeling and Forecasting: Time series analysis, trend projection, and business forecasting models; Integration of predictive analytics in decision-making

**Day 11 (11 September 2025):** AI-Powered Data Analysis: Using Generative AI with statistical software for advanced analytics; Practical demo: AI-assisted interpretation of statistical results

**Day 12 (12 September 2025):** Integrating AI and Statistics for Research: Building AI-supported statistical models; Real-world examples from published management research

**Day 13 (13 September 2025):** Group Project Presentations: Presentation of AI + statistical analysis projects; Peer review and constructive feedback session

**Day 14 (14 September 2025):** Future Trends & Closing Session: Emerging developments in Generative AI and analytics for management research; Workshop reflection, discussion, and certificate distribution guidelines

## Invited Speaker(s)



### **Prof Manoj Kumar Mishra**

Principal,  
International Business College, Patna



### **Dr. Ihtiram Raza Khan**

Department of CSE  
SEST Jamia Hamdard University  
New Delhi, India



### **Dr. Mahipal Jadeja**

Department of Computer Science &  
Engineering,  
Malaviya National Institute of Technology  
(MNIT), Jaipur



### **Dr. Mehar Chand**

Department of Physical and Mathematical  
Sciences,  
Baba Farid College of Engineering &  
Technology, Bathinda, India



### **Dr. Harmanpreet Singh Kapoor**

Department of Mathematics and Statistics  
School of Basic Sciences, Central University  
of Punjab, Bathinda, India



### **Dr. Prayas Sharma**

Department of Statistics, Babasaheb  
Bhimrao Ambedkar University (A Central  
University) Lucknow, India.



### **Dr. Upinder Kaur**

Department of Computer Science and  
Engineering, Akal University, Bathinda, India



### **Dr. Taranjit Singh Vij**

Professor Marketing, Founder JSS  
Plastics, ThinkBiz Consulting, Patiala,  
India



### **Karan Juneja**

Finance Analyst, MorganStanley  
Budapest, Hungary



### **R. Vivekanantharasa**

Faculty of Education  
The Open University of Sri Lanka  
Sri Lanka

## Convener(s)

### **Dr. Mehar Chand**

Founder & President, MTF, Fazilka, India

### **Er. Sourabh Kumar**

Chief Operating Officer, MTF, Fazilka, India

# Important Information

## 17 Important Dates

- Last Date of Registration: August 25, 2025
- Event Dates: September 1–14, 2025
- Duration: 19:00–21:00 IST

**Note:** There are limited seats. Registration will be on a first-come, first-served basis — spot your seat now!

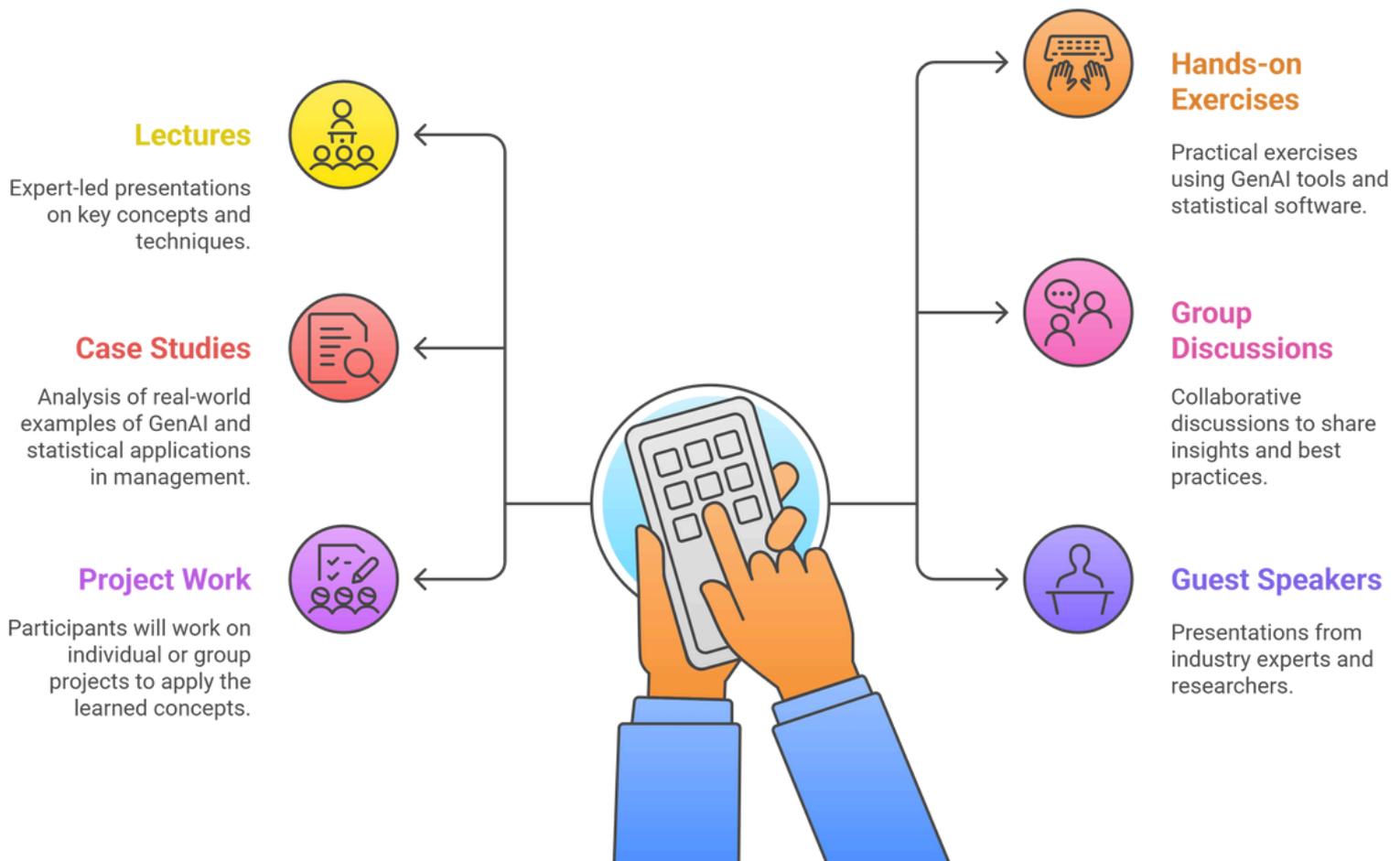
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# Workshop Activities



We appreciate your support in forwarding this information to your colleagues, friends, and students.