

# AI Tools for Knowledge and Research

**Date:** April 11, 2026

**Mode:** Online (Microsoft Teams)

**Organised by:** IEEE-MSIT Main and Department of Information Technology

**Speaker:** Mr. Riyaz Feroze (Cyber Security and Data Privacy Professional)

**Attendance:** 42/50 (84%)

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## SKILL ENHANCEMENT SESSION @ 2026-27 TENURE

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The IEEE MSIT Main in collaboration with Department of Information Technology conducted a technical webinar titled “**AI Tools for Knowledge and Research**” – **delivered by Riyaz Feroze, a Cybersecurity and Data Privacy Professional**, aimed at equipping participants with a structured understanding of Artificial Intelligence tools in academic, professional, and research domains.

The session was designed not merely as a tool demonstration but as a **conceptual and ethical foundation** for integrating AI into real-world workflows. It emphasized responsible usage, critical thinking, and the evolving role of AI as a collaborative assistant rather than a replacement for human intelligence.

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The session established a strong ethical framework for AI usage, aligning participants with the principle of **academic responsibility**.

Key Highlights:

- **Integrity Standards:** AI tools should enhance human thinking, not replace intellectual effort. Original reasoning remains the core of academic work.
- **Verification Protocol (Heads-Up Framework):** While AI can synthesize and process large datasets, **final validation must always be performed by the user.**

- **Privacy & Data Security:** A critical warning was issued regarding the risks of uploading sensitive research data to free AI platforms, emphasizing the need to safeguard confidential information and understand data privacy policies.

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The webinar categorized AI tools into three primary domains based on their specific applications and functional relevance:

1. Academic Research & Knowledge Synthesis

**NotebookLM** enables source-grounded research, ensuring contextual accuracy and minimizing hallucinations.

**Perplexity and Gemini Pro** support real-time information retrieval, citation verification, and cross-referencing of data, thereby improving research reliability.

1. Professional Workflow & Portfolio Building

AI tools facilitate portfolio development by enabling structured documentation of workflows, problem-solving approaches, and project execution.

**Prompt engineering** was highlighted as a key skill, focusing on the transition from basic queries to structured and technical prompting.

*“Basic search queries → Structured, technical prompting”*

1. Productivity and Technical Creative Tools

**Cutout.pro** enhances visual quality in technical documentation, while **Speak AI** enables audio transcription and conversion of qualitative data into structured, searchable insights, improving efficiency in communication and data processing.

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The session provided a balanced evaluation of AI systems, emphasizing both advantages and limitations.

**Advantages:**

- Rapid data processing
- Automation of repetitive tasks
- Bridging skill gaps (design, coding, documentation)

## Limitations:

- Risk of AI hallucinations
- Overdependence leading to reduced critical thinking
- Lack of emotional intelligence and contextual judgment

**Human-AI Trust Model:** The discussion highlighted the distinction between human emotions and AI's data-driven logic, emphasizing that AI lacks emotional understanding. Therefore, trust in AI should remain conditional, with humans retaining authority over decision-making and ethical judgment.

*“AI acts as a co-pilot, while humans remain the decision-makers and ethical controllers.”*

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An interactive segment assessed participants' understanding of AI through concept-based questions on trust, ethics, and human judgment, with responses aligning strongly with the principle of responsible use without blind reliance.

## Key Observations:

- **Trust Sentiment:** All participants adopted a “**trust but verify**” approach.
- **Security Awareness:** Participants demonstrated clear understanding of data privacy risks.
- **Tool Adoption Trends:** Preferred tools included ChatGPT, Perplexity, and Gamma.

These insights indicate a growing inclination toward AI-assisted research and productivity, supported by informed and responsible usage practices.

*“Use AI intelligently, but never blindly trust it.”*

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The webinar delivered a structured and practical understanding of AI tools across academic, research, and professional domains, emphasizing that Artificial Intelligence serves as an enabler of productivity while human intelligence remains central to critical evaluation and decision-making.

## Key takeaways from the session include:

- AI should be used to **augment, not replace, human thinking.**

- **Ethical responsibility** and data validation remain with the user.
- **Prompt engineering** is an essential skill for effective AI utilization.
- A “**trust but verify**” approach is necessary to handle AI limitations.

From a broader perspective, the session encouraged a shift from viewing AI as a shortcut to recognizing it as a **collaborative partner in knowledge creation**, highlighting the importance of adaptability and continuous learning in an evolving technological landscape.

Overall, the webinar effectively integrated technical insights with ethical awareness, preparing participants for responsible and practical adoption of AI tools.

*“The tools don’t get less overwhelming. You just get better at them — and better at them together.”*

# EVENT PROMOTIONAL MATERIAL

## Maharaja Surajmal Institute Of Technology

Presents



# WEBINAR

*AI for knowledge and research*

### ABOUT THE SPEAKER

- ✓ 20+ years of global industry experience
- ✓ ISO 27001, NIST and regional cyber privacy frameworks.
- ✓ MBA in Cybersecurity from UK
- ✓ Deep expertise in data protection frameworks and regulatory environments

Unlock the power of AI to revolutionize cybersecurity research, enabling you to transform complex data into strategic intelligence and advanced risk protection.



**Riyaz Feroze**

cybersecurity and data privacy professional



Saturday  
**11 APRIL 2026**



Start From  
**05:30 PM**



Venue  
**ONLINE**

### ORGANIZED BY :

#### DEPARTMENT OF IT

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# EVENT PROCEEDINGS

The screenshot shows a Zoom meeting window with a browser displaying the Speak AI website. The website header includes navigation links: Platform, AI Agents, Developers, Solutions, Pricing, Case Studies, Try Speak Free, Book a Demo, and Login. The main heading is "Your Partner In AI Voice Technology". Below this, a sub-heading states: "Since 2018, Speak has helped 250,000+ teams capture, transcribe, analyze, and activate insights from voice and video. Start self-serve in minutes, or work with our team to deploy AI agent workflows." Two buttons are visible: "Try Speak Free" and "Book Consult". A secondary line of text reads: "Start self-serve in minutes, or work with our team on white-label and agent deployments." The Zoom interface shows a toolbar with icons for Take control, Pop out, Chat, People, Raise, React, View, More, Camera, Mic, Share, and Leave. The system tray at the bottom indicates the time is 3:25 PM on 4/11/2026.

The screenshot shows a Zoom meeting window with a browser displaying a Wooclap presentation slide. The slide title is "Quick Heads-Up Before We Start" with a warning icon. Below the title is the text: "Just a few honest things to be aware of before we dive in." The slide is divided into four sections:

- Academic Integrity**
  - Don't submit AI content as your own
  - No AI in exams without permission
  - Always verify — AI can be confidently wrong
  - Check your institution's specific AI policy
- Privacy & Data**
  - Don't upload sensitive or confidential data
  - Free tiers often train on your inputs
  - Read the privacy settings — seriously
  - Assume anything you type could be stored
- Use It Wisely**
  - AI hallucinations are real and convincing
  - Use AI to go deeper — not to skip the thinking
  - AI is a tool — your thinking is the skill worth building
  - Employers can spot AI work — your authentic voice matters
- The Golden Rule**
  - Use AI to sharpen your thinking, not replace it
  - Be transparent about when you use it
  - Share good tools with the people around you
  - Stay curious — and stay critical

The Wooclap interface at the bottom shows "Presentation" mode, "Questions 1 / 13", and "Messages". The Zoom toolbar and system tray are also visible, showing the time as 3:13 PM on 4/11/2026.