

Online Workshop

Bharati College | R&D Cell × CDC (Samarth Bharat) | Under IQAC

India's AI in Research Ecosystem Workshop(Basic)

AI Research Tools: Ethics Guidelines: Laws

Relevance for Academics, Researchers & PhD Scholars

Principal: Dr Prof.Saloni Gupta

Training Co-Ordinator: Dr Anubha Bhargava

AI & Data Analytics Leader | Researcher | Educator | 20+ Years Experience

Session 1 of 5

Module: Introduction AI lanscape

Every Monday | 11:00 AM – 12:00 Noon | Online (Google Meet) | Starts 6th July 2026



ETHICAL USE OF AI

IN RESEARCH & TEACHING ENGAGEMENT

Empowering Educators with AI for Research, Teaching and Academic Excellence

Organized by

Research and Development Cell

in Collaboration with CDC (Samarth Bharat)

Under the aegis of IQAC



ONLINE MODE



Online
(Google Meet)

STARTS



6th July
2026
(Monday)

DURATION



Every
Monday for 5
Weeks

TIME



11:00 AM
– 12:00 Noon

RESOURCE PERSON

Mr. Anurag Mittal

- *AI & Data Analytics Leader / Researcher / Educator*
- *20+ Years of Experience in Research, Teaching, Analytics and AI-driven Solutions.*

Register here:

Payment details are mentioned in the form



Last date to register:
30th June, 2026.

PROGRAMME HIGHLIGHTS

- Literature Review & Academic Writing
 - Plagiarism Detection & Academic Integrity
- Research Data Collection & Analysis
 - AI-enabled Teaching Material Development
 - Multimedia Content Creation
- Session Recordings will be Provided
- Notes, Practice Resources & Useful Links will be Shared
- Certificate of Participation
- Google Meet Link will be Shared with Registered Participants

FOR ANY QUERIES

Contact: 93195 73696



NEP 2020 Emphasis on AI



Policy Framework

The National Education Policy 2020 emphasizes AI as a critical area for multidisciplinary education. It recognizes AI as one of the emerging technologies that will shape India's future economy and society.



Curriculum Integration

NEP 2020 promotes the integration of AI across all levels of education, starting from schools to higher education institutions, to develop computational thinking and digital literacy among students.



Future Skills Development

The policy emphasizes developing AI skills and competencies to prepare students for future jobs. It recommends creating specialized AI education programs and research centers in higher education institutions.

NEP 2020: Climbing To AI Excellence



Global Leadership

Secure India's position
in technological
advancement &
economic growth



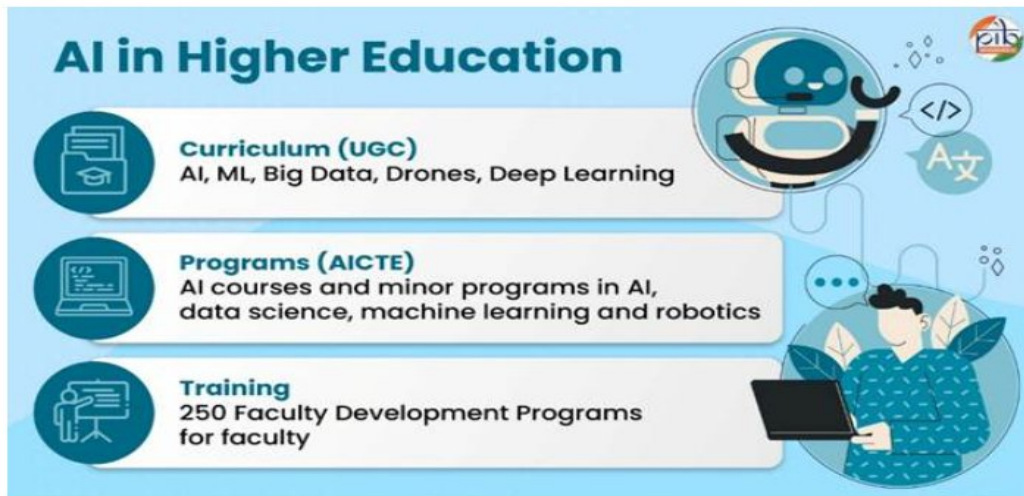
Economic Ambition

Support India's
\$5 trillion
economy goal



Talent Development

Equip youth to
lead in global
AI arena



University Grants Commission (UGC): The 2022 undergraduate curriculum includes AI, 3D machining, big data analysis, machine learning, drone technologies, and deep learning with applications in health, environment, and sustainable living.

All India Council for Technical Education (AICTE):

- Incorporated AI components in all IT-related courses
- Conducts hackathons to promote AI awareness
- Offers women engineering scholarships (PRAGATI, Saraswati)
- Conducts faculty development programs

Perplexity Partners with AICTE

Perplexity, an AI-powered search engine has partnered with AICTE to provide support to 40 million students of 14,000 institutions through digital distribution via AICTE's various communication channels, faculty training session and pilot launches in Centres of Excellence. There is also student access to the Perplexity website/app through institutional onboarding. The purpose of the project is for students to explore how AI tools can support research, innovation and real-world applications. This project aligns with the NEP's emphasis on experiential learning.

MENTOR — LAW & IPR

Tehnopol Science & Business Park — Tallinn, Estonia

WIRED

Welcome to E-stonia, the world's most digitally advanced society



Mentor, Law & Intellectual Property Rights (IPR)



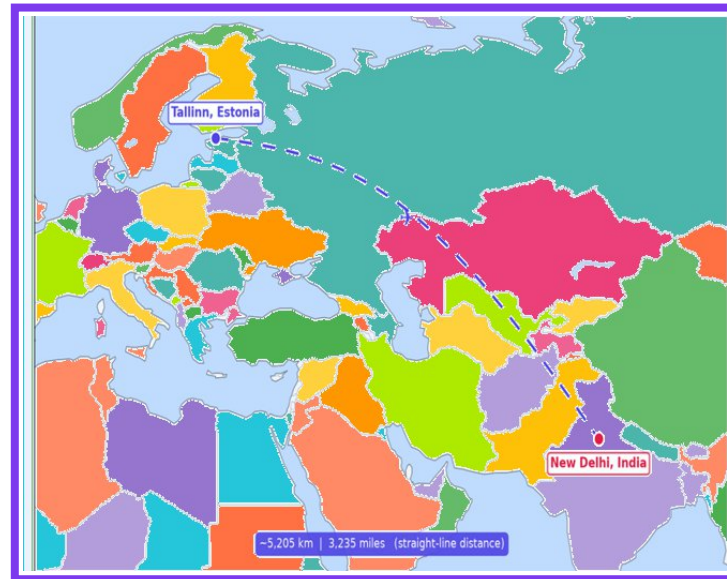
Tehnopol Science & Business Park

An Estonian Government Incubator & Accelerator, Tallinn

Tehnopol is the largest science and business park in the Baltics, founded by the Estonian Government, Tallinn University of Technology and the City of Tallinn. It hosts over 200 technology companies — including Skype in its early years — and runs incubator and accelerator programmes (including a NATO DIANA accelerator) connecting founders with mentors across Estonia and Europe.

Bringing an EU legal & IPR lens to AI governance in Indian research

TALLINN ✈️ NEW DELHI (2.5 Hours time lag)



~5,205 km / 3,235 miles

straight-line distance, Tallinn to New Delhi



MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA



Digital India
means opportunity
for all, facility for all and
participation of all

श्री २०१९ नरेंद्र
Hon'ble Prime Minister



Celebrating
11 Years of **Digital** India

Empowering every citizen through
Digital Transformation, Innovation
and Inclusive Growth



Four Core Use Cases



Literature Review

- Summarizing papers
- Finding knowledge gaps
- Identifying trends



Research Writing

- Drafting proposals
- Structuring papers
- Improving clarity



Data Analysis

- Pattern detection
- Statistical assistance
- Predictive modelling



Research Design

- Hypothesis generation
- Experiment optimization

HOME / EDUCATION / COLLEGES

IIT Delhi sets new rules for GenAI tool usage by students and faculty

The guidelines have been prepared on recommendations of a panel that found in an internal survey that at least 80 per cent of students and 77 per cent of faculty members have been using AI tools.

Updated - May 29, 2025 01:33 pm IST

PTI



READ LATER



Analysing the impact of AI on assessments in higher education 💎

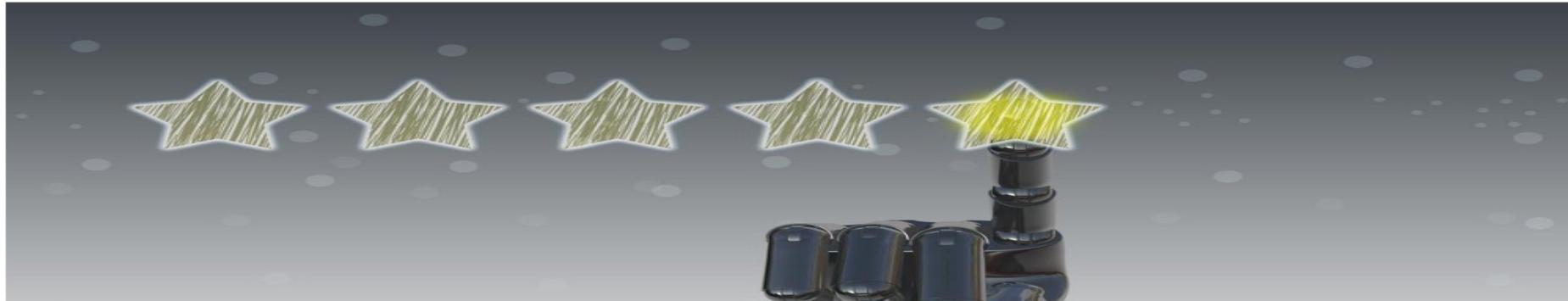
What is the scope of using Artificial Intelligence in assessing the work of students?

Updated - May 03, 2025 03:35 pm IST

K.P. SOMAN, JIJEEESH T.K.



READ LATER



INDIA AI

BharatGen Yojaka: AI-assisted formative assessment for spoken language learning

BharatGen Yojaka is an AI-enabled assessment platform designed to evaluate spoken language skills in public school systems.

CrazyGoldFish

Product Solutions Problems Platform Research About

Docs Book Demo

// SIGNAL-CAPTURE-INFRASTRUCTURE

Education finally has a memory layer.

Convert every evaluation into structured learning signals — governed, traceable, instantly actionable. Built as evaluation infrastructure, not a grading tool.

// EVALUATION.SIGNAL-CAPTURE		LOW
STUDENT RESPONSE		
"The derivative of x^2 is $2x$. The rate of change therefore..."		
SIGNALS CAPTURED		
CONCEPT	quadratic_differentiation	
GAP	chain_rule_application	
HISTORY	developing - 0.71	
CONFIDENCE	0.91	
MEMORY UPDATED		✓
SCORE: 72/100		SIGNALS: 4 - MEMORY: PERSISTENT

HOME / EDUCATION

AI policies are a must in education to flesh out where help ends and plagiarism begins 💎

Updated – February 08, 2025 08:50 pm IST

DEVANSHI SRIVASTAVA

💬 READ LATER



 **ELECTRONICS AND INFORMATION TECHNOLOGY** | *Harnessing technology to transcend language barriers*

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BHASHINI

From Digital-First to Voice-First: AI That Speaks the Language of the People

Language as Infrastructure for Inclusive & Democratized AI



Expo

 Exhibit Booth Number 3F - 5, 11, 17 |  16-20 Feb 2026 |  Bharat Mandapam, New Delhi

On the use of Generative AI at IIT Delhi

Sumeet Agarwal (EE), Chetan Arora (CSE), Suma Athreye (SPP), Anurag Goyal (ME), Pardeep Gupta (CSC), Anusha Jain (CH), Kedar Khare (OPC), Divya Nayar (MSE), Saurabh Rathore (CAS), Subodh Sharma (CSE), Alan Sinate (DR Acads), Rudrakshi Singhal (ME), Shuchi Sinha (DMS)



October 30, 2024



April 9, 2024, [IIT Delhi](#) established a committee tasked with developing preliminary guidelines for:

1.The fair use of AI tools in teaching, research and examinations

2.Providing clear guidance of generative AI(GenAI) tools and monitoring advancements in this field

3.Identifying necessary training and support infrastructure for the effective and fair use of Gen AI tools

4.Recommending a governance structure and AI policies aligned with the existing policy framework

SURVEY REACH

427

student responses

88

faculty responses

STUDENT PERSPECTIVES

Adoption is already the norm

80%

of students have used
GenAI tools

81%

of users engage with them
several times per week

~10%

have taken out paid
subscriptions

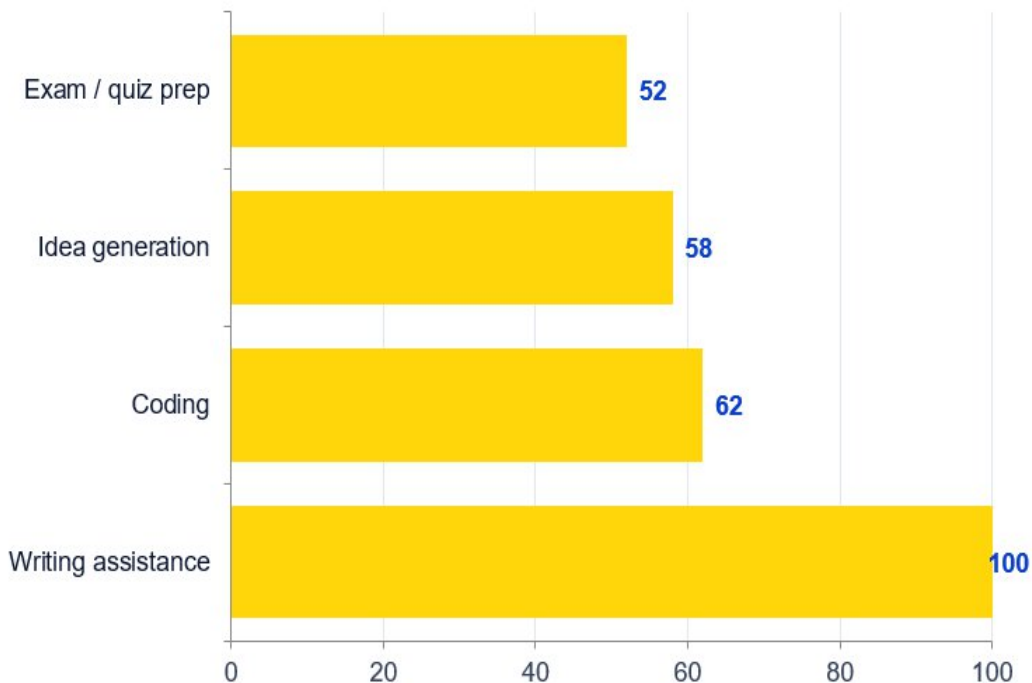


What students said

"Free versions are often inaccurate — we'd prefer access to the paid versions."

STUDENT PERSPECTIVES

What students actually use it for



Beyond these, students highlighted GenAI's value for building mind maps, simplifying complex concepts through examples, and exploring topics via simulations — useful for bridging learning gaps.



100% of respondents

use GenAI for writing assistance — the single most universal use case among students.

STUDENT PERSPECTIVES

Where students hit the limits



Misleading or inaccurate

Responses can be wrong in ways that risk misunderstanding critical subject matter.



Struggles with nuance

Complex or layered prompts often fail to capture context-specific detail.



Weak at reasoning & code

Apparent weaknesses in mathematical/logical reasoning; minimal-to-no code debugging ability.



Privacy & access concerns

A smaller group (<2%) flagged data privacy risks and unequal access due to subscription costs.

STUDENT PERSPECTIVES

Ethics views — and a clear ask for open, guided access

Do GenAI tools raise ethical concerns?



- 52% — No professional ethics concern
- 48% — Raised ethical concerns

Where concerns exist:

Intellectual integrity is the central worry — some students feel reliance on GenAI could encourage intellectual dishonesty, limit personal agency in problem-solving, and erode critical thinking and authentic engagement with material.



The clear majority ask

An overwhelming majority support unrestricted yet transparent GenAI use — open access, paired with clarity on limitations and ethics. Many said they'd attend workshops on using GenAI responsibly.

SEMANTIC SCHOLAR

A free, AI-powered research tool for scientific literature

Search 236,451,144 papers from all fields of science

Search

Try: [Jawa Har](#) • [Social Structure](#) • [Electromagnetism](#)

More & Translated API for Developers

Sign In

Create Free Account

New Thread

Home

Research starts here

Consensus is the AI-powered academic search engine

Search & analyze 200M+ peer-reviewed research papers

Transparent, reliable, and built to save you time

Sign in

Sign up

Ask the research...

Corpus

Deep

Filter

Find promising research questions

Identify research gaps

Compare two approaches

The new standard for academic research

SOSPACE

+ New Chat

Home

Agent Gallery

AI Writer

Literature Review

Find Topics

Paraphraser

Citation Generator

Extract Data

AI Detector

Log in to check your chat history and access library

Log in

Sign up

SoSpace

How can I help with your research?

Give me any task to work on...

Tools

Lite

Search Papers

Literature Review

Draft

Diagrams

Presentation

Trusted by 9.6 Million+ Researchers from the world's top universities...

Scroll for more

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Sign up

BRISK TEACHING

Tools

Solutions

Resources

Log in

BOOK A DEMO

GET STARTED

AI that works where educators work

Brisk is the AI education platform helping teachers create materials, give feedback, and adapt instruction inside the Google and Microsoft tools they already use. We call it Classroom Intelligence.

GET STARTED FREE

SCHOOLS LEARN MORE

Give Feedback

Boost Whiteboard

Create Resources

Inspect Writing

Boost Tutor

Change Level

cograder

Products

Schools

States

Content

Pricing

Log in

Sign up

Backed by Microsoft UC Berkeley Google

Less time grading, more time teaching

CoGrader is the AI Essay Grader that helps teachers provide quality feedback on essays in 80% less time

Try asking: Grade this essay on the American Revolution...

Add Files

Napkin

Visuals

Slides

Pricing

Blog

About us

Sign in

Get Napkin Free

Get visuals from your text

Napkin turns your text into visuals so sharing your ideas is quick and effective.

Start

Chat & Ask AI

Developed On

GPT-5.6

Gemini 3.5

Claude 5

Perplexity

Benefits

GPT-5.6, Gemini 3.5, Claude 5, Perplexity

Chat with PDF, Docs, Excel and more

AI Search Engine & Link Analyzer

AI Image Generator

AI Assistants

Upgrade to AI Chatbot Pro

1 Week Plan

1 Month Plan

12 Months Plan

Continue

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The AI tools Jam actually uses

A living list of the apps Robyn "Jam" Anderson recommends to small business owners. Hand-picked, always growing, and taught for real inside Club Jam.

AI ASSISTANTS & KNOWLEDGE

ChatGPT

Gemini

Manus

Claude

NotebookLM

FACULTY PERSPECTIVES

Faculty are engaged — and want more support

77%

have engaged with
GenAI tools

50%

of users engage regularly
(daily to weekly)

17%

have taken out paid
subscriptions

76%

want training sessions
on effective GenAI use



70% of faculty report actively using GenAI tools across academic tasks — writing assistance, summarising research literature, and supporting teaching workflows.

FACULTY PERSPECTIVES

Where GenAI earns its place in faculty work



Editorial services

Drafting and polishing support — short of higher-order tasks like fact-checking and proofreading.



Literature summarisation

Quicker access to relevant material and efficient summarising of research literature.



Enhancing teaching

Preparing instructional materials and illustrative lecture content, used fairly and judiciously.



Productivity gains

Organising data and handling repetitive tasks, freeing time for higher-level instruction and research.

FACULTY PERSPECTIVES

Faculty concerns centre on integrity and fairness

Intellectual integrity:

worry that AI-generated submissions may not reflect a student's real understanding or effort.

Critical thinking at risk:

extensive GenAI use could encourage shortcuts over genuine engagement with complex concepts.

Copyright violations:

a recurring concern flagged alongside integrity and critical-thinking risks.

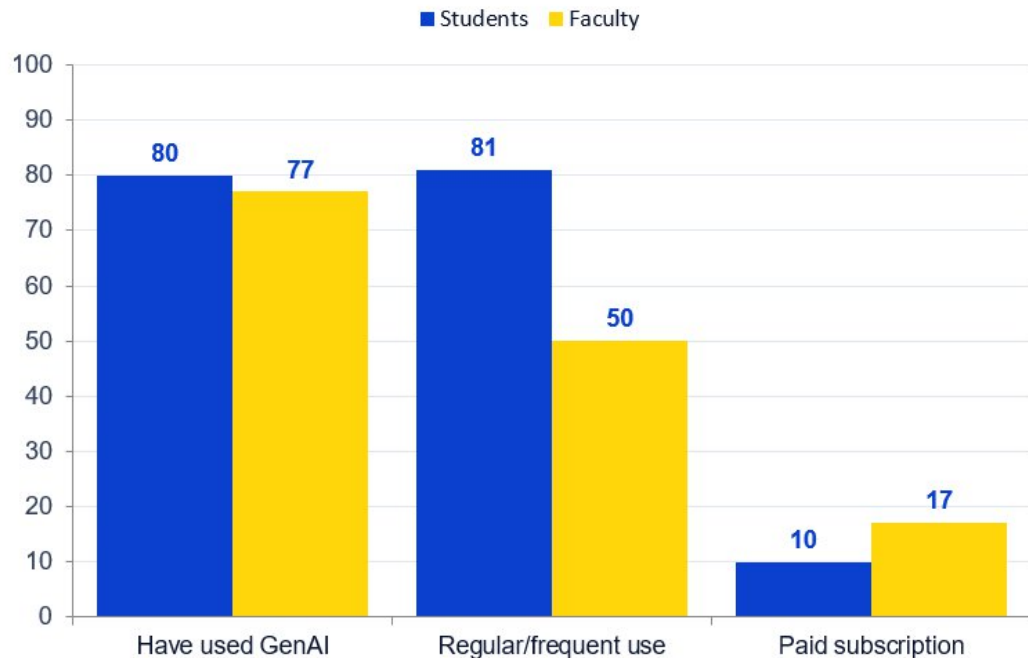


The fair-grading problem

There is currently no reliable tool to verify whether submitted content was AI-generated. This makes it genuinely difficult to assess student work fairly — and risks inconsistent grading standards across the student body.

GENERAL OUTCOMES

Students and faculty, side by side



The pattern across both groups

- Adoption is near-universal on both sides — roughly 8 in 10 students and faculty have used GenAI tools.
- Students use GenAI more frequently day-to-day; faculty show relatively higher willingness to pay for premium access.
- Both groups voice the same core worries: accuracy, intellectual integrity, and erosion of critical thinking.
- Both groups want structured support — workshops for students, formal training for 76% of faculty.

GENERAL OUTCOMES

Four themes cut across the whole campus



Adoption has outpaced policy

~80% usage on both sides shows GenAI is already embedded in daily academic life — guidelines are catching up, not getting ahead.



Integrity is the shared anxiety

Students worry about their own agency and honesty; faculty worry about verifying it. Same concern, seen from two sides.



Appetite for training is real

76% of faculty and a large share of students want structured guidance — not restriction — on responsible use.



Openness over prohibition

Both groups favour transparent, supported access over blanket bans — setting the direction for the recommendations ahead.

RECOMMENDATIONS · FOR INDIVIDUALS

For teachers, researchers & students



Disclosure

Fully disclose any GenAI-assisted content — images, tables, visualisations, or significant text — via captions, footnotes, or a statement within the work.



Ownership

Authors remain fully responsible for verifying accuracy. Rigorously fact-check content and proactively confirm it is free from plagiarism.



Data privacy

Screen inputs before using GenAI tools — exclude PII, confidential institutional data, and anything that could compromise privacy or security if exposed.

RECOMMENDATIONS · FOR THE INSTITUTE

For the Institute



Semesterly workshops

Run with Academic Units, covering practical, responsible GenAI use plus dedicated sessions on ethics, privacy and misuse risks.



FDP & orientation modules

Integrate GenAI applications/implications into Faculty Development Programs, helping faculty adapt teaching to an AI-augmented landscape.



Institute-wide licenses

Acquire licenses for premium tools (e.g., ChatGPT, GitHub Copilot) so access is equitable across all departments and users.

RECOMMENDATIONS · FOR ACADEMIC UNITS

For the Academic Units (1 of 2)



Inclusion in program core

Integrate professional ethics and an Introduction to AI — tailored to each AU's domain — into core program offerings.



Redesign PLOs & CLOs

Update program and course learning outcomes to reflect AI-shaped realities, revisiting assessment methods to prioritise critical thinking and original analysis.



Resource collection

Each AU builds a curated, regularly updated compendium of constructive, ethical GenAI uses and known limitations within its field.

RECOMMENDATIONS · FOR ACADEMIC UNITS

For the Academic Units (2 of 2)



Plagiarism policy, reframed

Outright restriction is neither enforceable nor desirable. Each instructor develops a GenAI-aware plagiarism policy that:

- discourages indiscriminate or unethical use, without penalizing honest disclosure
- rewards transparent, responsible engagement with AI tools
- sets differentiated consequences — e.g. for submitting AI-generated work with no personal input or understanding



Review assignment outcomes

Faculty in each AU review what happens when GenAI tools are used to answer their assignments/exams — to improve design, spot academic dishonesty, and build awareness of AI's real capabilities.

IN SUMMARY

**Open access, disclosed use,
shared responsibility**

GenAI adoption at IIT Delhi is already near-universal among students and faculty alike. The committee's guidelines aim to channel that reality into transparent, ethical, and well-supported practice — not to restrict it.

Thank You

Mr. Anurag Mittal

AI & Data Analytics Leader | Researcher | Educator |

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Online Workshop — Ethical Use of AI in Research & Teaching

Bharati College | R&D Cell × CDC (Samarth Bharat) | Under IQAC

#IndiaAI

#DPDP2023

#ResponsibleAI

#AILaw

#AcademicIntegrity

Questions & Discussion

Session 1 of 5 | Every Monday 11:00 AM – 12:00 Noon | Online (Google Meet)