

Artificial Intelligence (AI) uses computational techniques to facilitating human productivity. It encompasses various subfields, including machine learning, neural networks, natural language processing, robotics, etc. This survey aims to understand your perception and current adoption of AI, including but not limited to machine learning and generative AI, in your teaching and research practices, in the classroom, and in public service.

Your feedback will assist us in assessing the level of AI integration and identifying areas where NJIT can provide support for your teaching and research activities. By collecting this data, our goal is to inform university policies, guidelines, and resource allocation for the ethical integration of Generative AI. Your participation in this survey is completely voluntary and all of your responses will be kept confidential. They will be reported only in an aggregated form.

AI Integration in Teaching and Research

9. Have you integrated any aspects of artificial intelligence, including but not limited to machine learning and Generative AI, into your teaching and research activities? (Select one option)

- Yes, in research.
- Yes, in teaching.
- Yes, both.
- None/Unsure.
- Other (Please specify) \_\_\_\_\_

**NOTE :** Display this comment only if answer to Q#9 is **Yes, in research.** OR **Yes, in teaching.** OR **Yes, both.** OR **Other (Please specify)**

**AI Integration in Teaching and Research**

**NOTE :** Answer the below question only if answer to ( Q#9 is **Yes, in research.** OR **Yes, in teaching.** OR **Yes, both.** OR **Other (Please specify)** )

10. Which Generative AI tools have you used?

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**NOTE :** Display this comment only if answer to Q#9 is **Yes, in teaching. OR Yes, both.**

**AI Integration in Teaching and Research**

**NOTE :** Answer the below question only if answer to ( Q#9 is **Yes, in teaching. OR Yes, both.** )

**11. How have you incorporated AI tools or technology into your teaching practices?**

- Utilized AI-powered adaptive learning platforms for personalized instruction.
- Implemented AI-driven tutoring systems for student support and feedback.
- Integrated natural language processing tools for automated grading.
- Employed Generative AI tools for content creation, such as generating lecture materials.
- Utilized AI-driven virtual labs or simulations for hands-on learning experiences.
- Leveraged AI-based recommender systems to suggest learning resources or activities.
- Used AI for assessment and feedback, such as automated grading or insights generation.
- Incorporated AI tools to pedagogically innovate class design (Example: flipped-classroom, etc.).
- Other (Please specify) \_\_\_\_\_

**NOTE :** Display this comment only if answer to Q#9 is **Yes, in research. OR Yes, both.**

**AI Integration in Teaching and Research**

**NOTE :** Answer the below question only if answer to ( Q#9 is **Yes, in research. OR Yes, both.** )

**12. How have you integrated AI tools or technology into your research practices?**

- Utilized AI algorithms for data analysis and pattern recognition.
- Employed machine learning models for predictive modeling and forecasting.
- Leveraged natural language processing techniques for text analysis or sentiment analysis.
- Used Generative AI tools for content creation or data synthesis.
- Employed AI-driven image recognition or computer vision for visual data analysis.
- Utilized AI-based optimization algorithms for process improvement or decision-making.
- Other (Please specify) \_\_\_\_\_

13. Why have you discussed AI in the classroom? (Check all that apply)

- To prevent the use of AI.
- To teach the limitations of AI.
- To teach the basic operation of AI tools.
- To teach the ethical use of AI.
- To teach how to use AI to enhance learning.
- To teach how to use AI to enhance productivity.
- To explore the impact of AI on the field.
- Other (Please specify) \_\_\_\_\_
- I have not discussed AI in the classroom.

14. In the future, what is your goal(s) for introducing AI in the classroom? (Check all that apply)

- To prevent the use of AI.
- To teach the limitations of AI.
- To teach the basic operation of AI tools.
- To teach the ethical use of AI.
- To teach how to use AI to enhance learning.
- To teach how to use AI to enhance productivity.
- To explore the impact of AI on the field.
- Other (Please specify) \_\_\_\_\_
- I don't plan to discuss AI in the classroom.

15. Have you offered instructions or guidelines on student usage of AI tools within your class? (Select one option)

- Yes
- No
- Unsure

16. How do you assess student work to assure the appropriate use of AI and prevent potential plagiarism?

- Utilize plagiarism detection software.
- Implement manual checks and verification processes.
- Incorporate specific assignment guidelines and requirements to discourage AI usage.
- Educate students about the ethical use of AI and plagiarism.
- Develop in-class device-free assignments and exams.
- Other (Please specify) \_\_\_\_\_
- I do not check for AI-related plagiarism.



17. Have you utilized AI tools in your public service or community engagement efforts? (Select one option)

- Yes
- No
- Unsure



19. To what extent do you believe AI will change your field in the next 5 years? (Select one option)

- Minimal or no impact
- Low impact
- Moderate impact
- Major impact
- Revolutionary impact

20. What are your primary concerns regarding the integration of AI in academia?

- Ethical issues in using AI.
- Loss of independent thinking and writing skills.
- Possible job loss due to automation.
- Privacy and security risks with AI systems.
- Lack of transparency and accountability in AI decisions.
- Insufficient training and education on AI.
- Bias in AI-generated content or recommendations.
- Other (Please specify) \_\_\_\_\_

21. Where should resources be invested to support integrating AI?

- Access to AI tools.
- Training to use AI tools.
- Developing university policy for AI usage.
- Developing dedicated university-based AI servers.
- Assisting with navigating data privacy and security issues.
- Supporting collaboration opportunities with AI experts or research centers.
- Other (Please specify) \_\_\_\_\_

22. Which of the following topics should be included in the university's AI policy?

- Ethical use of AI in research and teaching.
- Ethical use of AI by students.
- AI and data privacy standards.
- Use of AI in student assessments and evaluations.
- Integration of AI tools in curriculum development.
- Oversight and regulation of AI research projects.
- Impacts of AI on employment and job roles within the university.
- Promoting Equity and Inclusiveness in AI usage.
- Other









