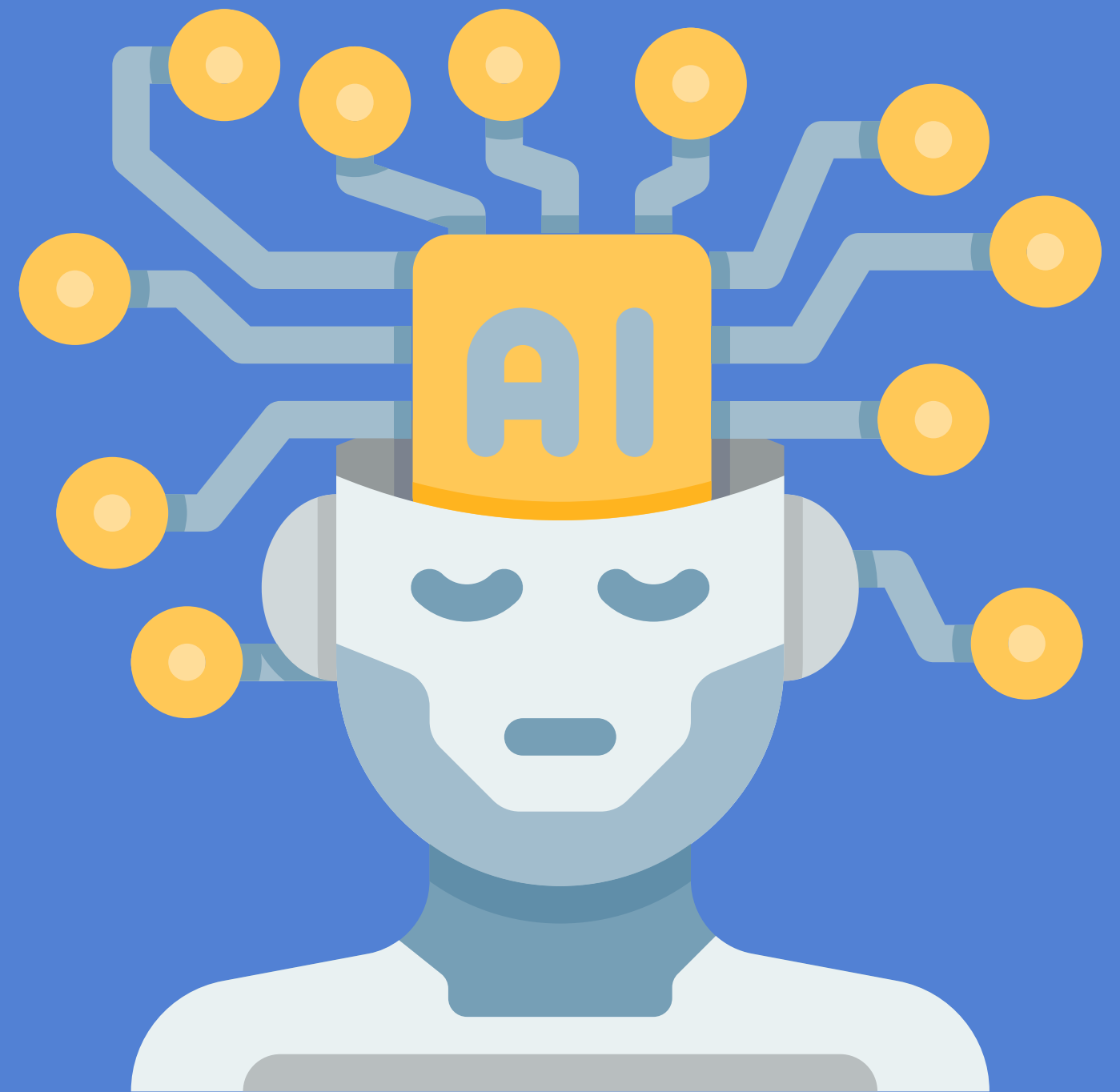


# IMPACT OF AI AUTOMATION ON EDUCATIONAL PRODUCTIVITY

SHASHANK GOYAL(102115121)

NAMAY GOEL(102115124)

RUPAL GARG(102115129)



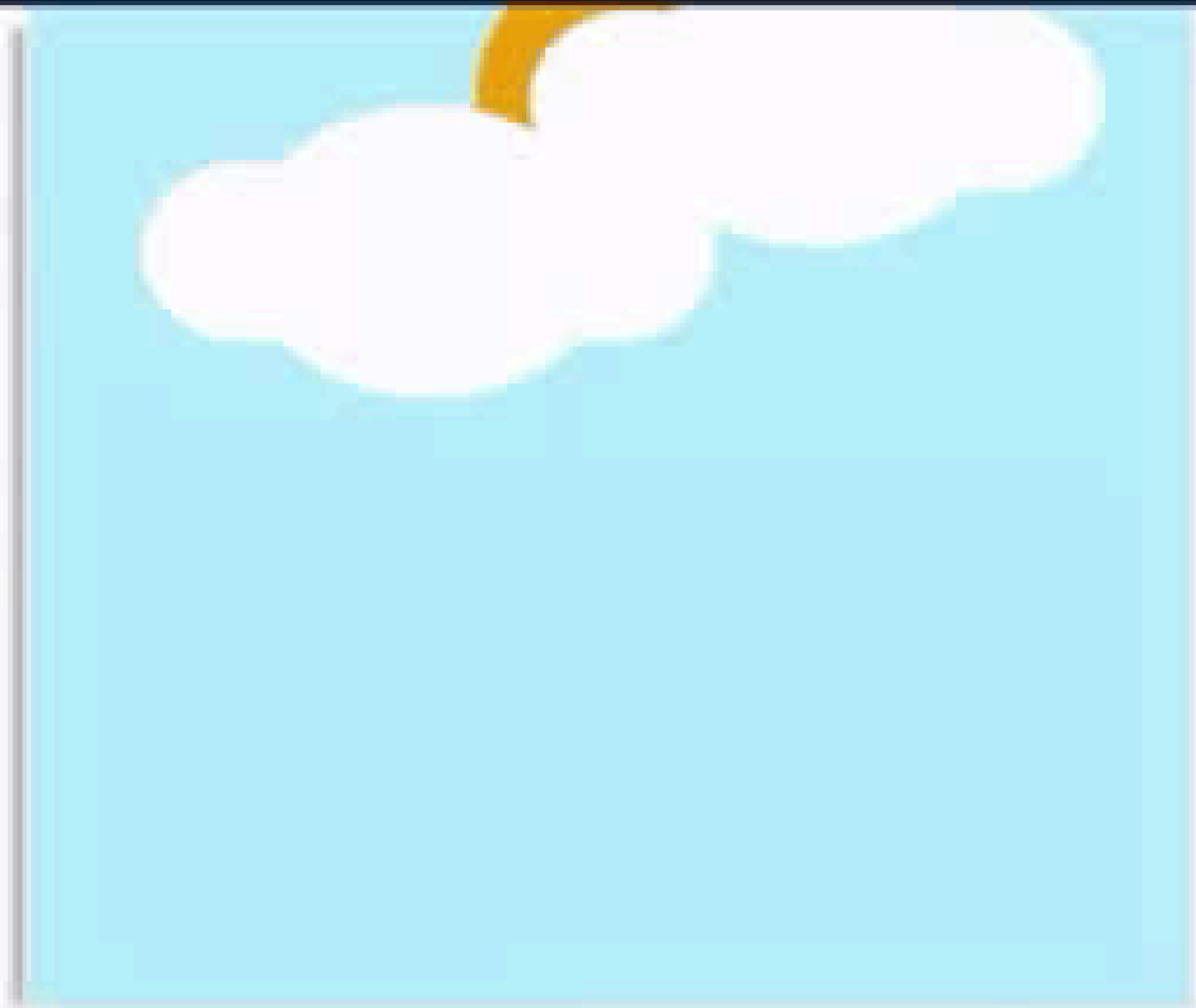


Flags

Check all

Assign

```
9 fill(255, 170, 0);
10 ellipse(200, 100, sunRadius, sunRadius);
11
12 // clouds
13 fill(255, 255, 255);
14 // left cloud
15 ellipse(leftX, 150, 126, 97);
16 ellipse(leftX+62, 150, 70, 60);
17 ellipse(leftX-62, 150, 70, 60);
18
19 // right cloud
20 ellipse(rightX, 100, 126, 97);
21 ellipse(rightX+62, 100, 70, 60);
22 ellipse(rightX-62, 100, 70, 60);
23
24 |
25
26 };
```



Undo

Start over

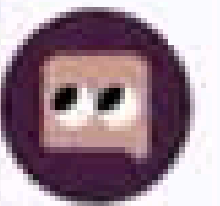


Restart

Step 2/3



Next step



Up next: project

**Professor catches student cheating  
with ChatGPT: 'I feel abject terror'**

-New York Post

**Deleterious and flattering effects of AI on the  
Indian education system**

**49% Of UK Teachers Feel Unprepared For AI's  
Impact On Education: Report**

**New York City Schools Ban  
ChatGPT Amid Cheating Worries**

-CNET

**ChatGPT and the Death of Education**

-Harvard Independent

**Racist, sexist, casteist:  
India?**

**AI's disruptive economic impact, an India  
check**

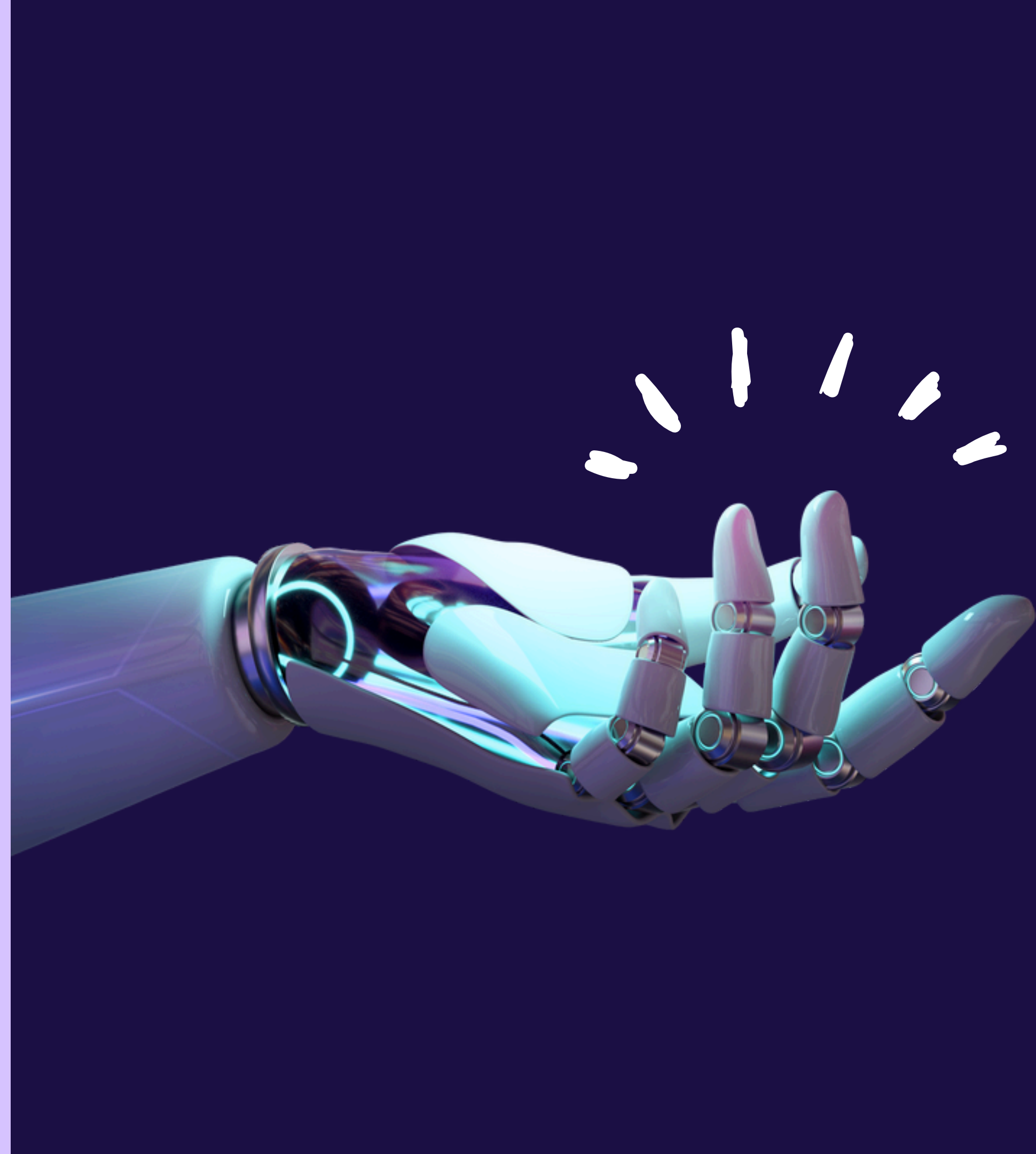
TH PREMIUM

**Is AI bad news for**

# IMPACT OF AI AUTOMATION ON *EDUCATIONAL PRODUCTIVITY*

You've heard about AI in the news. You've likely even used it yourself, and most certainly, thought about how it might affect you.

Let's explore what AI means for us and how it is going to impact educational productivity.





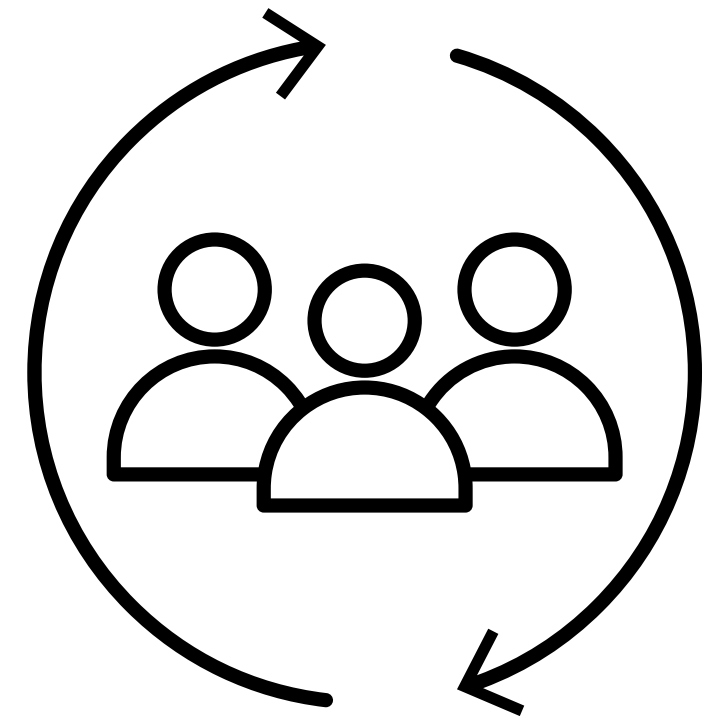


# **TRADITIONAL** **TEACHING**

- LECTURE-BASED TEACHING
- DEMONSTRATION AND EXPERIMENTATION
- RECITATION AND MEMORIZATION



# PURPOSE OF STUDY



## Evaluating Impact

The study aims to evaluate the impact of AI automation on educational processes and productivity metrics.

## Identifying Gaps

It seeks to identify existing gaps in the implementation of AI automation and propose strategies for improvement.

## Informing Policy.

The research aims to provide valuable insights to policymakers for the integration of AI automation in educational settings.

# ROLE OF AI AUTOMATION

01

## RESOURCE OPTIMIZATION

Enhanced productivity ensures efficient allocation of resources, leading to improved learning outcomes within educational institutions.

02

## COMPETITIVE EDGE

Improved productivity equips students and educators with the skills needed to thrive in a fastpaced, digitally-driven environment.

03

## EDUCATIONAL EQUITY

Increased productivity contributes to narrowing the gap in access to quality education, promoting inclusivity and diversit

04

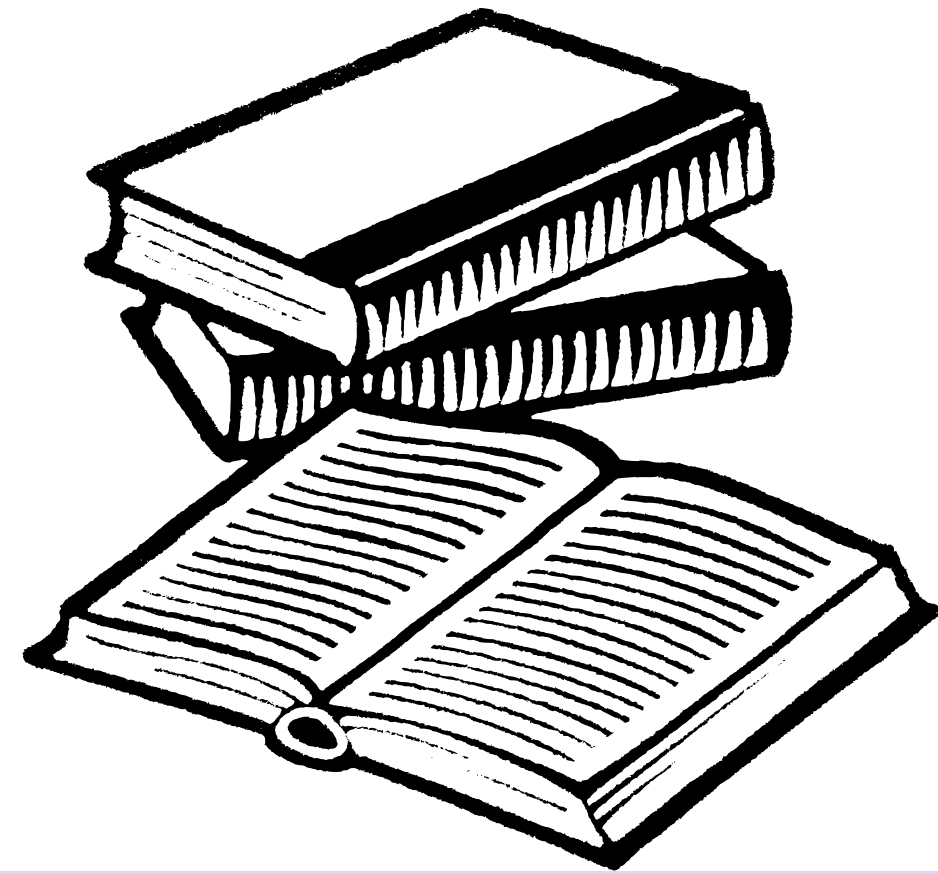
## ADAPTIVE LEARNING PLATFORM

Students receive customized learning paths, ensuring efficient knowledge acquisition



# LITERATURE *REVIEW*

---



## **Current Trends:**

Examining recent literature to understand the current trends and developments in AI automation within educational environments.

## **Challenges Faced:**

Identifying challenges and limitations faced in the adoption and utilization of AI automation technologies in educational institutions.

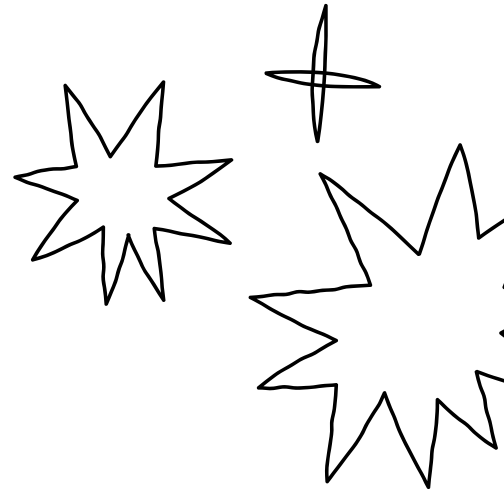
## **Best Practices:**

Reviewing best practices and successful case studies of AI automation implementation and its impact on educational productivity



# KEY FINDINGS

---



60%

## Productivity Enhancement

Research indicates a substantial productivity enhancement of up to 60% with the incorporation of AI automation in educational processes.

80%

## Learning Personalization

Evidence suggests an 80% increase in learning personalization and adaptive teaching methods through AI automation technologies.

4x

## Efficiency Amplification

Studies reveal a 4x amplification in administrative and operational efficiency within educational institutions.

# METHODOLOGY

1

## Data Collection

Utilization of quantitative and qualitative approaches to gather relevant data on AI automation in educational settings.

2

## Analysis Techniques

Application of advanced analysis techniques to interpret and derive meaningful insights from the collected data.

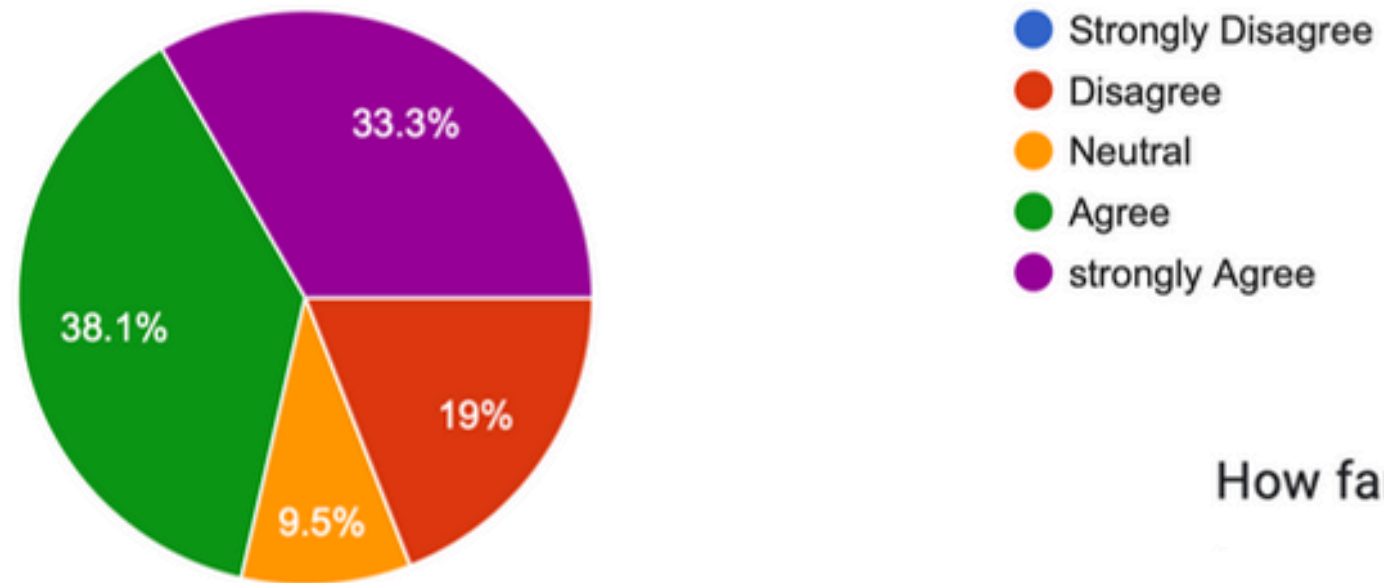
3

## Strategic Framework

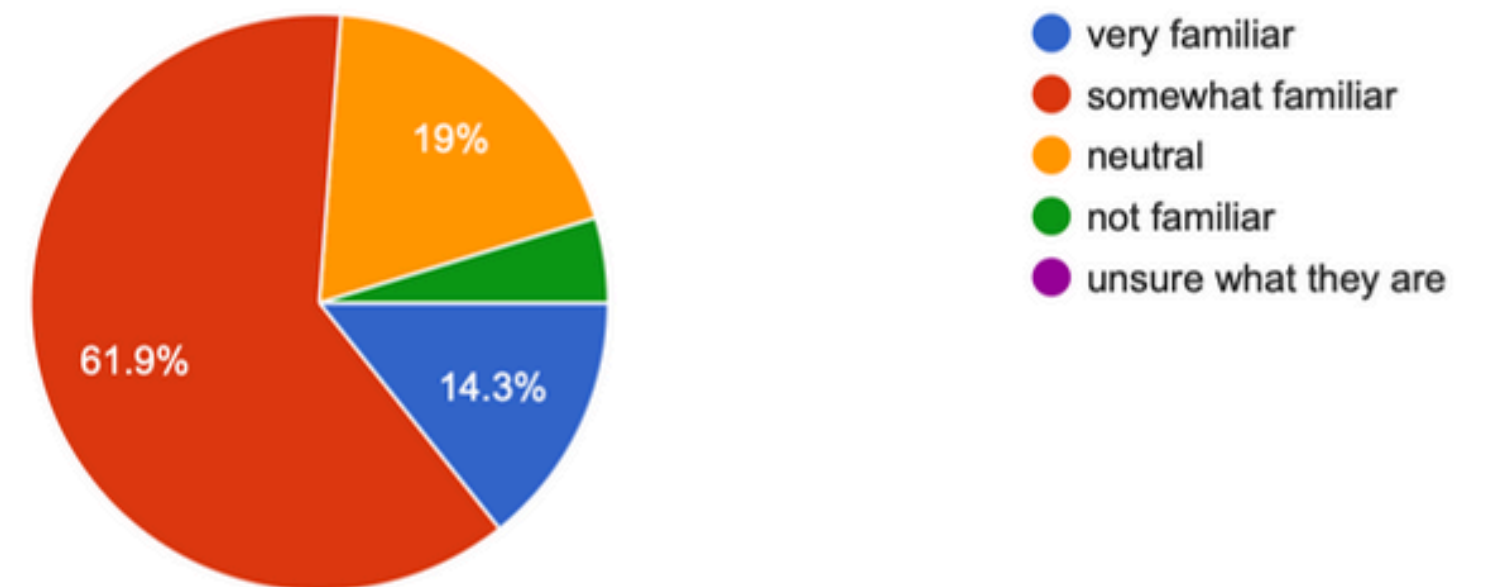
Development of a strategic framework for evaluating the impact of AI automation on educational productivity metrics.

# DATA ANALYSIS

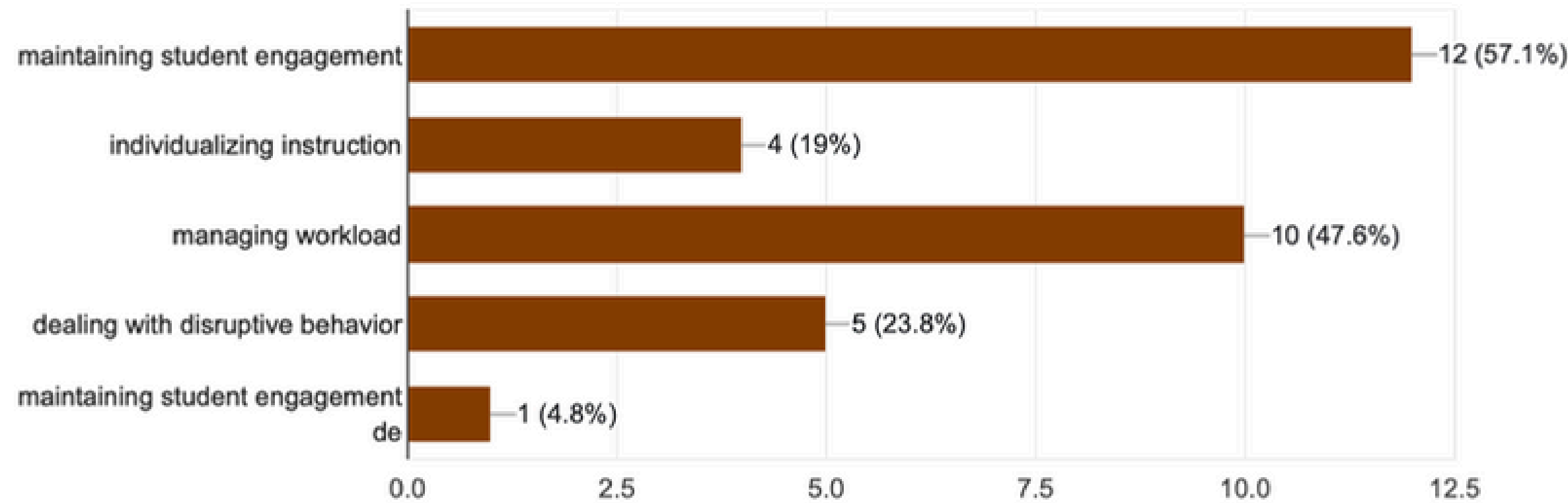
'I currently use AI-powered tools for administrative tasks like grading, scheduling, or data analysis.'



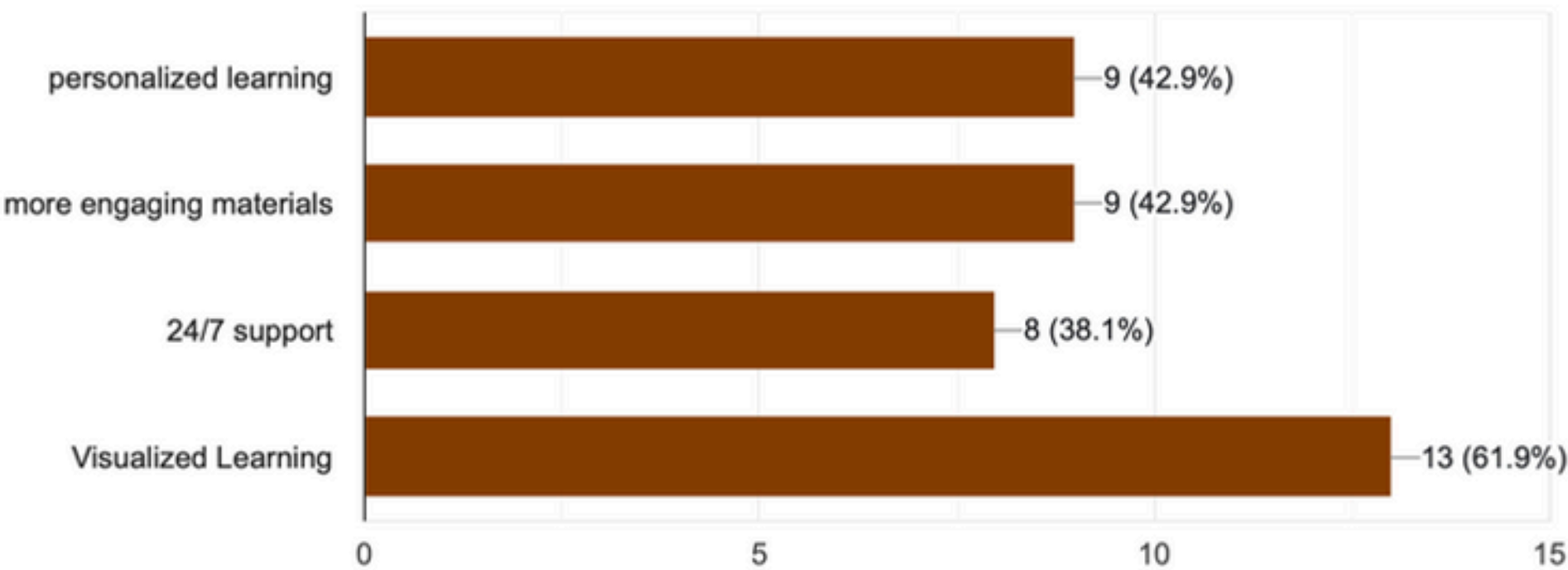
How familiar are you with AI-powered tools for education?



What are your biggest challenges in the classroom?

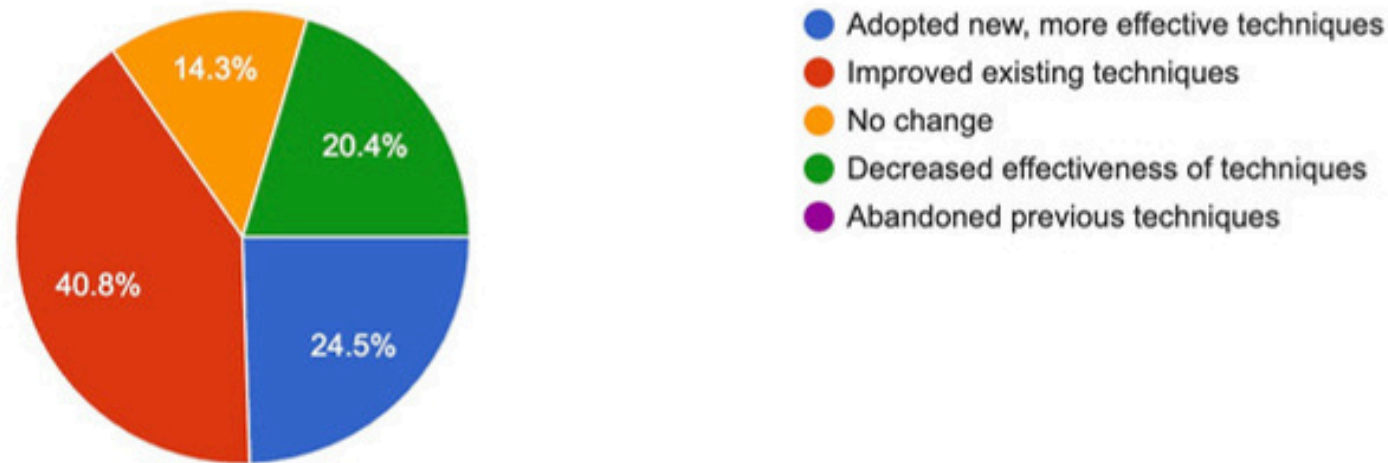


What are your hopes for how AI could be used in education in the future?

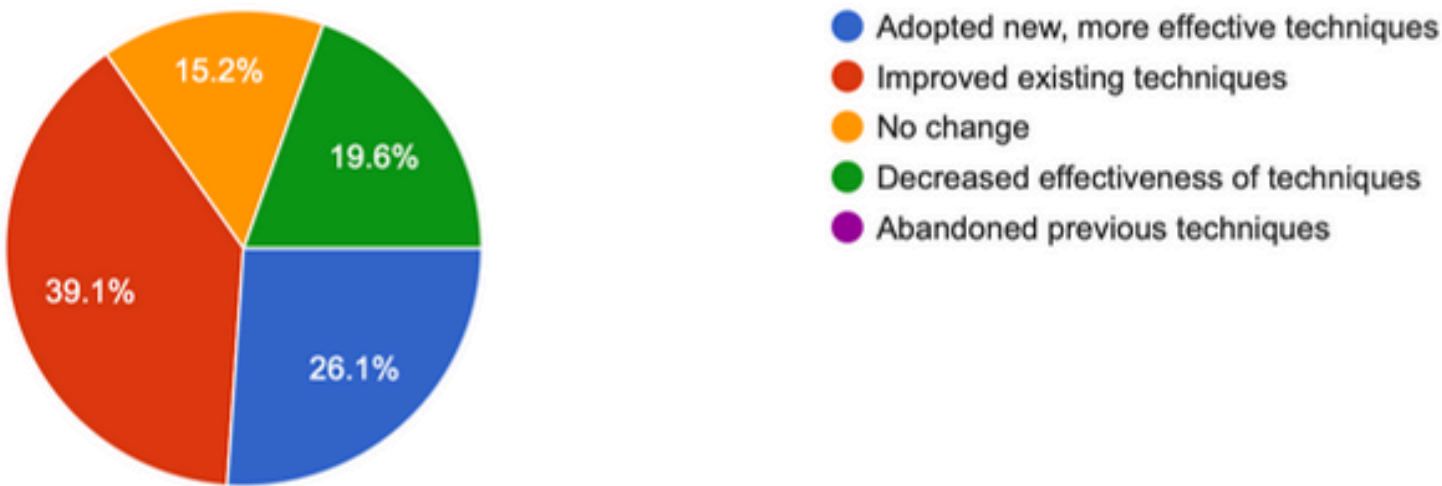




To what extent has AI automation influenced your study techniques?



To what extent has AI automation influenced your study techniques?



Teaching involves more than just conveying information. It often requires empathy, understanding, encouragement, and emotional support, which are intrinsic human qualities. AI, while capable of providing information and guidance, may struggle to replicate the depth of human interaction and emotional connection that many students find essential in their learning experiences.

# LIMITATIONS

Remember that while AI offers immense benefits, understanding its limitations is crucial for responsible and effective integration.

01

## **JOB DISPLACEMENT**

As AI automates tasks, certain jobs may become obsolete.

02

## **LACK OF COMMON SENSE AND CREATIVITY**

AI lacks human-like intuition and creativity

03

## **COSTLY IMPLEMENTATION**

Developing and maintaining AI systems can be expensive.

04

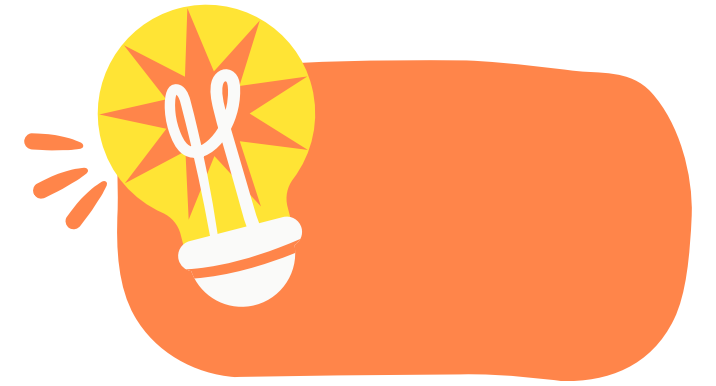
## **LACK OF EMOTION AND EMPATHY**

AI lacks emotional understanding and empathy

**“AI Could Save(Not Destroy)  
Education”**

**“ AI Could Evolve(Not Erase)  
Jobs”**

# BIBLIOGRAPHY

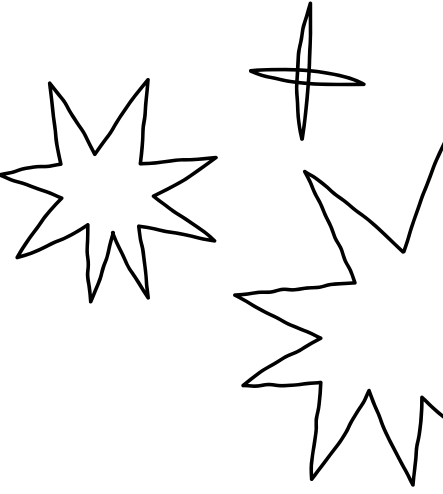


1. <https://publications.jrc.ec.europa.eu/repository/>

2. [https://www.youtube.com/watchv=TQgFQrAM7\\_A](https://www.youtube.com/watchv=TQgFQrAM7_A)

3. <https://www.youtube.com/watch?v=hJP5GqnTrNo>

4. [https://docs.google.com/forms/d/1xZXUXAX9F18o9rr5eKm0DwurttoaHXaHVLVQjDoBsEQ/edit?usp=forms\\_home&ths=true](https://docs.google.com/forms/d/1xZXUXAX9F18o9rr5eKm0DwurttoaHXaHVLVQjDoBsEQ/edit?usp=forms_home&ths=true)



*Thank You*

**WE ARE NOW READY  
TO TAKE QUESTIONS!**