

NOTEMASTER

SMART-NOTES-LEARN-BETTER-FAST

GPT4&Whister powered app for optimized notetaking personalized study materials & learning enhancement

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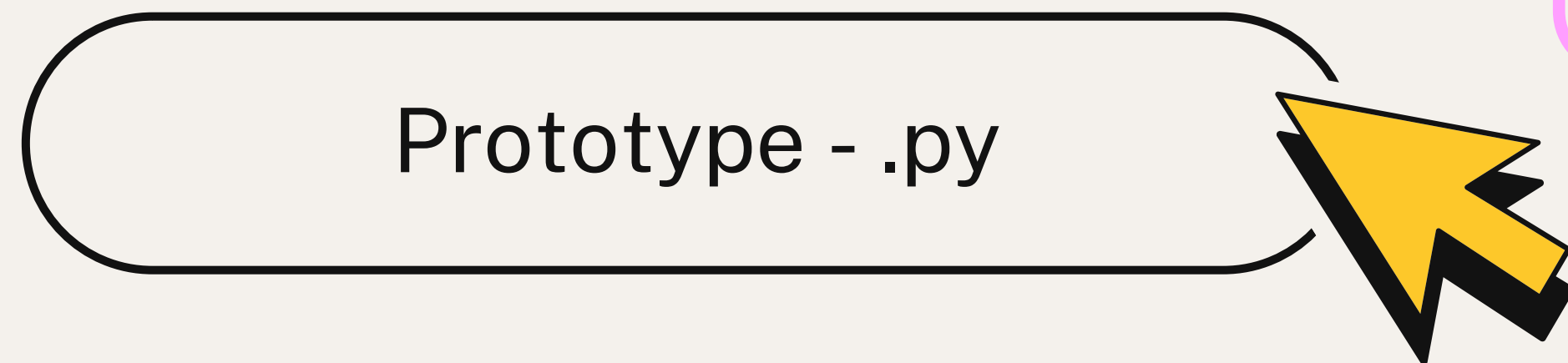
The problem to be solved is the **low academic performance of university students in their first cycles**, through the support of an artificial intelligence tool that facilitates their adaptation and **improves their study skills**.



FOCUS ON ACADEMIC PERFORMANCE

- Easy transcription and comprehension of class content.
- Generation of summaries and personalized learning paths.
- Assistance in research and academic writing.
- Facilitates adaptation to the university environment.
- Improves students' study skills.

NOTEMASTER SITUATION



Packaging DNA into cells

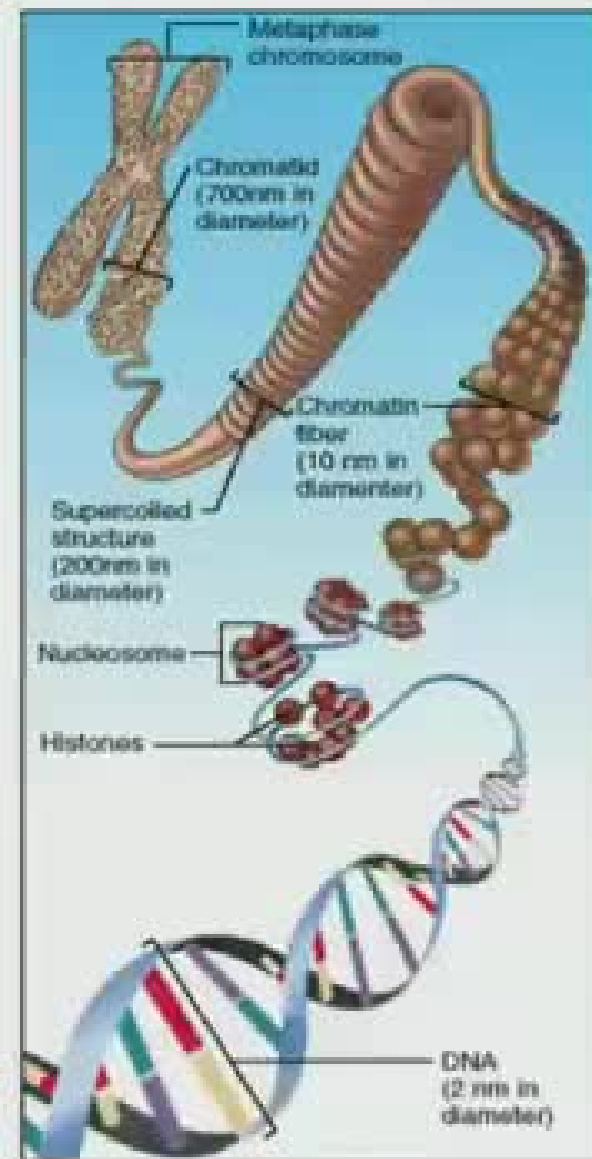
➤ Each human cell has about **1.8 meters of DNA** (~3 billion base pairs x 2)

How does this fit into a cell?

➤ Wound on histones there is about **90 millimeters of chromatin**

➤ When duplicated and condensed during mitosis, there is about **120 micrometers of chromosomes**

(Curr Opin Genetics and Development, 2002, 12, 162-169)

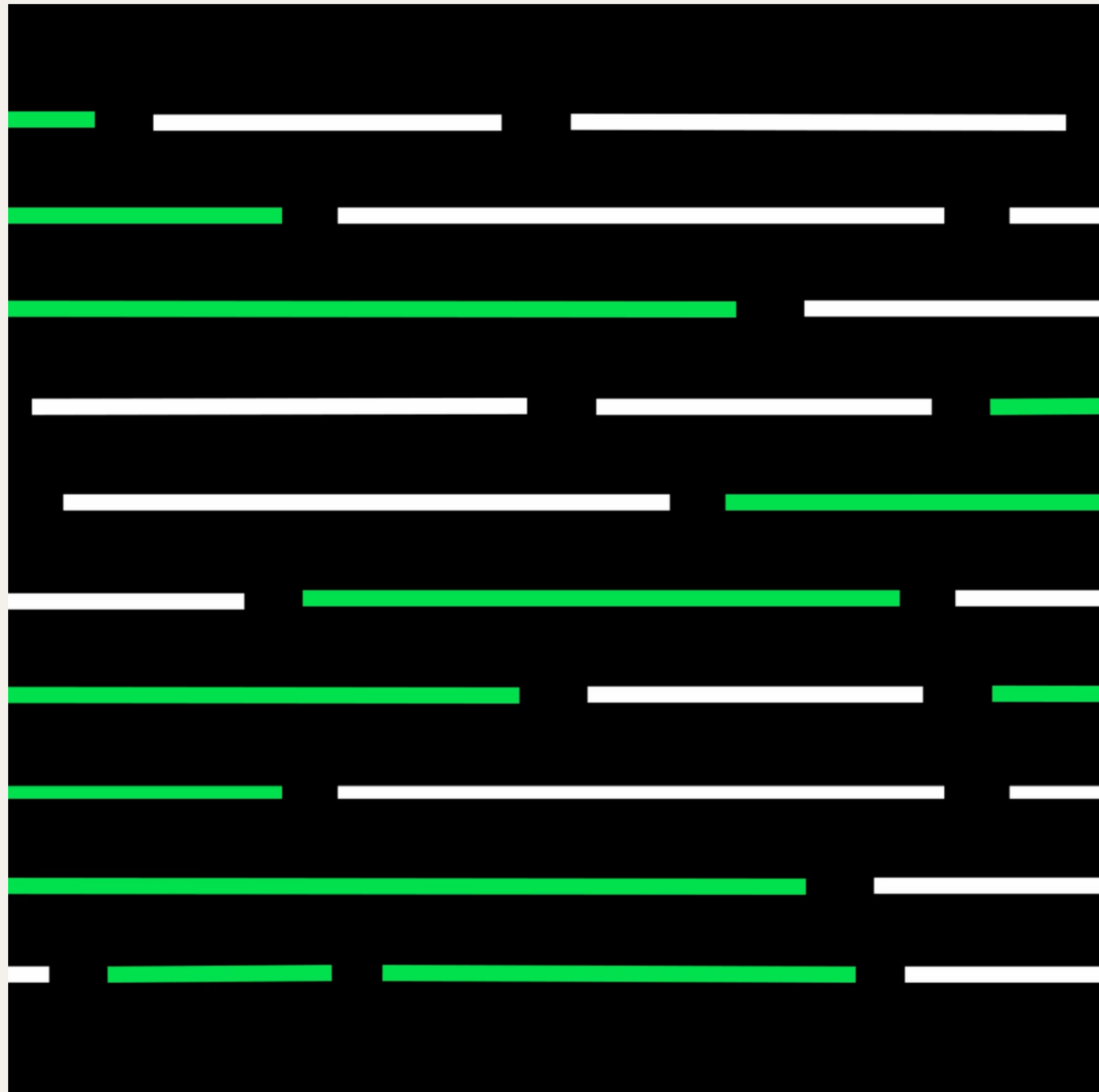




A blue graphic with a white outline of a human ear on the left. To the right of the ear is a yellow speech bubble containing the text "Whisper's OpenAI" in white and yellow. Further right is a white square with a blue 'X' logo. The background is blue with faint white lines.

Whisper's
OpenAI





Prompt: Mention 3 important points about this note and briefly expand on an important concept about the main topic of this note:
{text}

Learning pathway:

- 1. Each human cell contains 1.8 meters of DNA, which is 10 to 100 microns in diameter and height.**
- 2. DNA in cells is bundled up and wrapped around proteins which neutralize the negative charges of the double-stranded DNA.**
- 3. Proteins with positive charges enable the packaging of DNA in cells.**

Protein packaging of DNA is an important process for the organization and regulation of genetic material in cells. It helps to maintain the structure and integrity of the DNA, as well as providing a mechanism for controlling the gene expression. Additionally, it allows for the efficient storage of large amounts of genetic information in a small space. Protein packaging also helps to protect the DNA from damage and from environmental factors.

PROFITS



- Facilitates understanding of academic content by efficiently transcribing and processing lectures.
- Generates clear and concise summaries, allowing students to focus on key concepts.
- Creates personalized learning paths to address the specific needs of each student.
- Provides research and writing assistance, improving the quality of assignments and projects.
- Contributes to better adaptation to the university environment, increasing students' motivation and engagement in their first cycles.

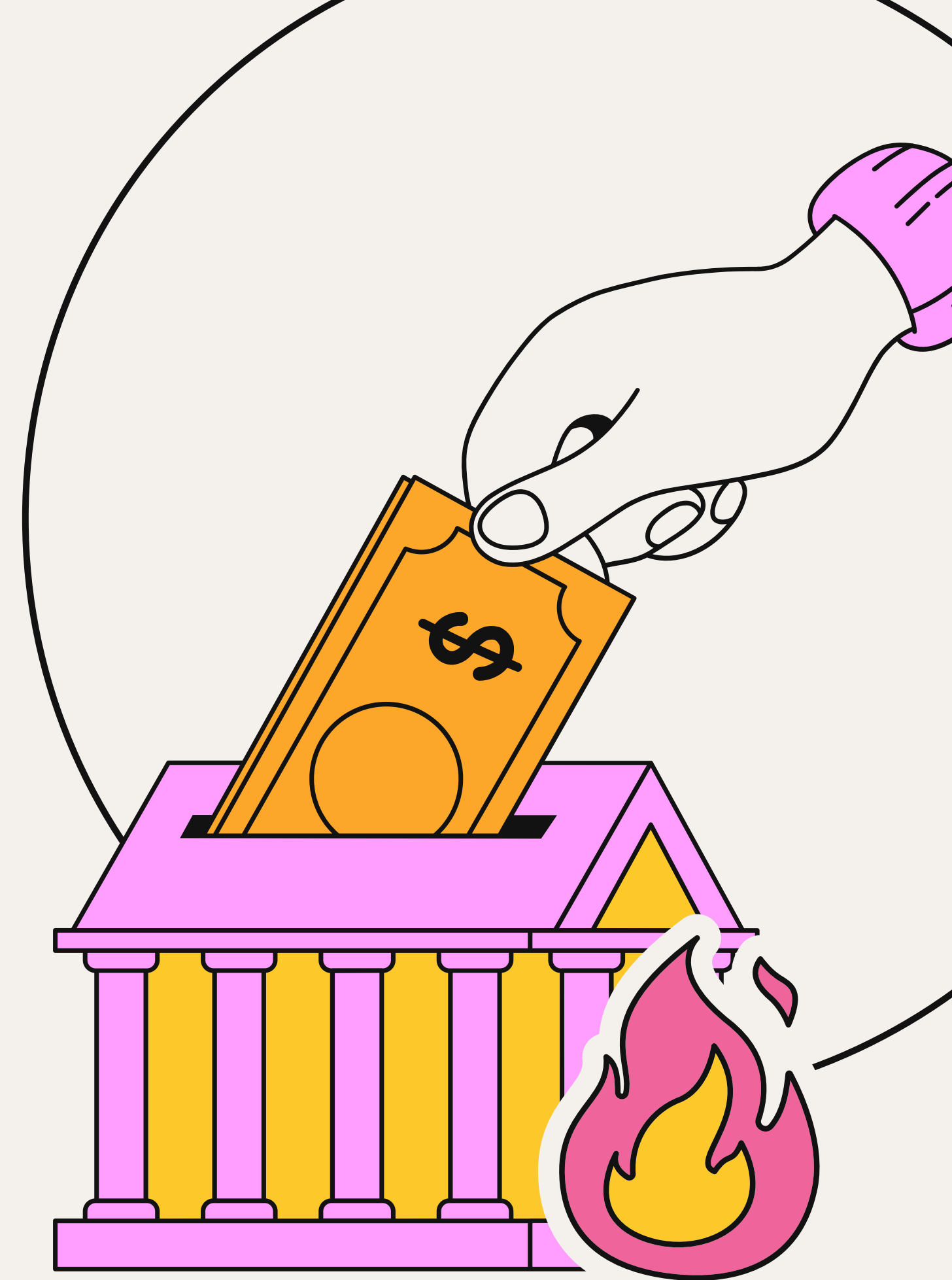

```
[ ] 1 !pip install openai
    2 !pip install google-cloud-speech openai
    3 !pip install pydub
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: openai in /usr/local/lib/python3.9/dist-packages (0.27.2)
Requirement already satisfied: aiohttp in /usr/local/lib/python3.9/dist-packages (from openai) (3.8.4)
Requirement already satisfied: tqdm in /usr/local/lib/python3.9/dist-packages (from openai) (4.65.0)
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TARGET MARKET

US\$ 5.76 BN

Note Taking App Market was valued at US\$ 5.76 Bn. in 2021. Global Note Taking App Market size is estimated to grow at a CAGR of 16.4% over the forecast period.



EMPOWER SUCCEED

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THE GLOBAL GOALS
For Sustainable Development



There are around 235 million students enrolled in universities around the world. Yet despite the boom in demand, the overall enrollment ratio is 40% with large differences between countries and regions. UNESCO is the only United Nations agency with a mandate in higher education and works with countries to ensure high quality higher education opportunities are available to everyone. It places a special focus on inclusion, the recognition of qualifications and quality assurance, particularly in developing countries.

WE NEED

To incorporate GPT-4 and Whisper into a Redis-based platform this year, the project will need:

1. Access to GPT-4 and Whisper APIs to integrate their functionality into the platform.
2. Developers with knowledge of AI and APIs, as well as experience with Redis and the platform architecture.
3. Establish clear objectives and timeline for implementation and rollout of new features.
4. Extensive testing to ensure the efficiency and scalability of the integrated solution.
5. Investment in resources and time to adapt and optimize the platform to GPT-4 and Whisper capabilities.

