



**DIGI
EDU
HACK
2025**



FORMULA EDU

STUDY, ENJOY, LEARN

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Our Project



Fundamental concepts Student

- Track Engineer = Customized AI Tutor
- Race Strategy = Dynamic Study Plan

How the AI works

- Personalized AI tutor
- Educational Game Engine

Main Features

- Telemetry type dashboard (Focus, Active time, Strengths, Weaknesses)
- Cooperative mode for classes

Impact

- Improves Motivation and Study Method
- Help students with difficulties (attention, anxiety, etc..)

Goals

01 Improve the motivations of the study method

The main goal is to increase the effectiveness of learning by intervening on the quality of the study

02 Gamifying Education with a strong Narrative

The goal is to gamify education with a theme that is universally engaging and that has a strong narrative that immediately attracts how to transform learning into a championship season using the metaphor of formula 1

03 Support Students with specific difficulties

It has a goal of social impact, that is to provide help to students who experience attention difficulties, anxiety, etc.

04 Focus on Individual Progress

The main objective of the Educational Game Engine is to ensure that the system focuses on personal improvement.



The student as a driver

1. **Improving Learning:** The main objective is to improve motivation and study method.
2. **Engaging Experience:** The platform gamifies education using the theme of F1, a strong narrative that attracts immediately and is universally engaging... The studio is transformed into a championship season.
3. **AI Personalized Support:** The student receives constant and personalized support:
 - A personalized AI tutor (the track engineer) who analyzes times, errors and difficult topics.
 - A dynamic study plan (the race strategy) that adapts and proposes alternative strategies if performance drops are expected....
 - Real-time feedback through the telemetry type Dashboard that shows the focus, active time and strengths/weaknesses of one's cognitive profile....
4. **Incentive Progress:** The platform uses a personalized ranking that measures the student's progress on himself, ensuring that the study is an individual challenge and not a toxic competition

Training that provides

1. **Personalized AI Tutor (The Track Engineer):** analyzes in detail how the student studies (monitoring times, errors and difficult topics) to define his cognitive profile. It provides strategic support, suggesting "cognitive pit stops" (optimal pauses).
2. **Predictive Engine:** This engine has the task of ensuring that the study plan (the "race strategy") is dynamic. It foresees the decline in attention or performance of the student and immediately proposes alternative strategies.
3. **Educational Game Engine:** This component translates the study experience into a championship season. He manages the elements of gamification, such as associating tasks with curves or sectors of the track and quizzes with overtaking.



Manager A.I.

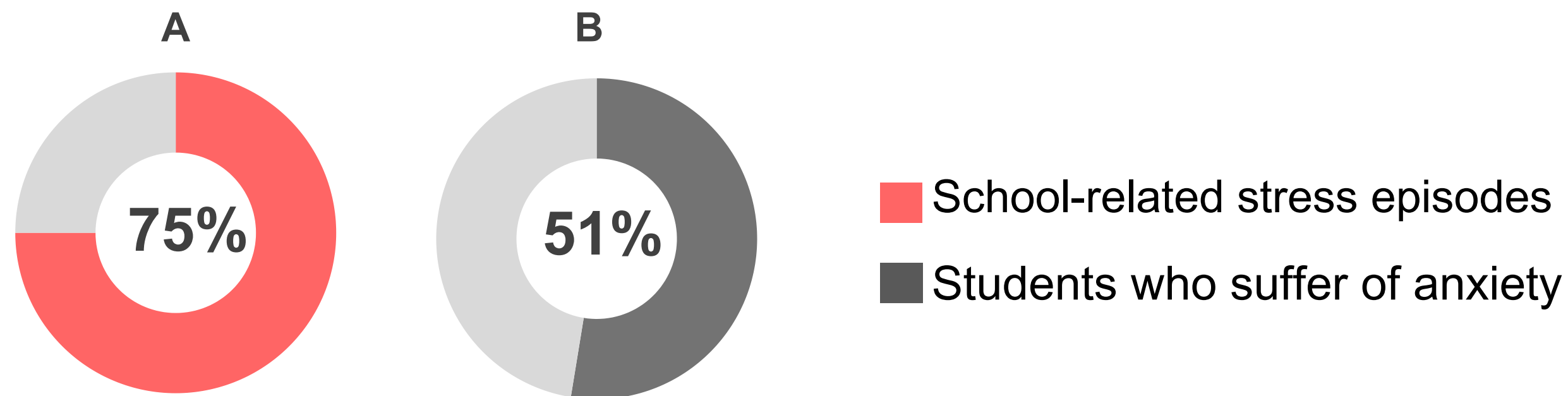
- We had thought of introducing this "Manager A.I." that can be compared to Formula 1 Mechanics, since they support the student's mentality, as the appropriate mechanics do by adjusting the single-seater during pit stops to allow the drivers to achieve victory. This would be the general idea that we would like to convey through our project by giving a hand to those who have not developed a good study method and therefore find themselves in difficulty, solving their school problems.



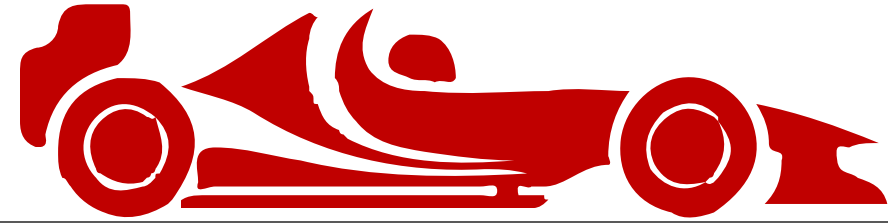


General difficulties

Our project could help people who suffer from certain problems such as study-related attention disorders or anxiety, which in our research have turned out to be widespread among students. This method could be a solution to help them fight this problem and be able to better capture the information that is taught daily through a more fun and inclusive way that can be that of Formula 1



The Facets



In the case of our passion, we chose Formula 1, but our project can be reflected in many other sports based on the different tastes of each of us.





THANK YOU

Thanks for the attention!

