

# DIGIEDUHACK SOLUTION CANVAS



Title of the solution: LEARN ME: Personalized education, inclusive future

Team name: 3 MUSKETAIRS

Describe it in a tweet:  
Describe your solution in a short catchy way in maximum 280 characters  
  
"Unlock learning potential: AI-powered education tailored for you!"

Challenge addressed: DIGITAL INCLUSION

Challenge category: AI + EDUCATION

**Solution description:**  
Please describe your solution. What is your final product/service/tool/activity? How could the solution be used to enhance digital education in the your challenge area? How could the success of the solution be measured? How will the solution provide benefits to the challenge owner?

Our solution aims to provide personalized educational resources to students with learning disabilities through AI-curated adaptive learning. It involves a web platform where students can create accounts, specify their learning difficulties, receive tailored content recommendations aligned with their learning preferences, & undergo assessments to gauge test comprehension. This project can significantly enhance digital education for students with learning disabilities by offering tailored & accessible learning experiences. Through an AI-curated adaptive learning platform, students can identify their specific learning challenges, enabling personalized content recommendations that suit their individual preferences & needs. The project's assessment component aids in tracking student comprehension & progress. This approach ensures that students with learning disabilities receive the support & resources necessary to overcome educational barriers, ultimately fostering an inclusive & empowering digital education environment.

The success of this solution can be measured through academic performance, user engagement & feedback, tracking of long-term outcomes & comparative studies.

This solution perfectly tackles d-teach challenge of finding a way to help support education & teachers with AI in their teaching practices & the need for initiatives that promote digital inclusion.

**Target group:**  
Who is the target group for your solution?  
Who will this solution affect and how? How will they benefit?

Target group: students, aged 6 to 18 yo, with learning disabilities.

Affected groups: - Other students could have access to this solution, & will benefit in the same way  
- Teachers can easily keep track of each student's performance & address challenges more promptly & directly  
- Parents will be able to view their kid's performance & have a more efficient communication with teachers

**Innovativeness:**  
What makes your solution different and original? Can anything similar be found on the market? How innovative is it?

While adaptive learning platforms are commonly tailored for corporate training & individual learners, the adoption of such solutions in traditional K-12 educational settings remains limited in some regions & school systems. What sets our idea apart is its dedicated focus on providing personalized, adaptive, & inclusive learning opportunities to a unique segment of education population, all empowered by AI technology & robust assessment methods. This unique approach distinguishes us from traditional education paradigms.

**Impact:**  
What is the impact of your solution? How do you measure it?

Our solution will help students with learning disabilities to overcome any feeling of exclusion & will impact their educational performance.

**This will result in:**

- Enhanced learning for this group: provides them with a personalized learning experience that caters to their unique needs, making education more accessible & effective for them.
- Improved academic performance: by tailoring content recommendation & assessments, our solution empowers students to better comprehend & engage with educational materials, potentially leading to improved academic performance.
- Increased inclusivity: it promotes inclusivity in education by addressing the specific needs of a traditionally under-served group, making learning resources more accessible to a broader range of students.
- Empowering teachers: our solution aids teachers in better understanding their student's learning difficulties & progress, enabling them to provide more targeted support & adjustments in their teaching methods.
- Data-Driven insights: the platform generates valuable data on student performance & preferences which can be used for continuous improvement in educational content & methods
- Broader applicability: the personalized, AI-driven, & adaptive learning approach can be extended to benefit a wider range of students, potentially revolutionizing education across various contexts.

In summary, our solution has the potential to significantly impact the learning experience of students with learning disabilities while also paving the way for more effective & inclusive education practices

**Measuring** the impact of our solution involves several key metrics & evaluation methods:

- Academic performance: we can measure the academic performance of students who use our platform by assessing changes in their grades, test scores, & comprehension levels over time.
- User engagement: tracking user engagement metrics, such as the frequency & duration of platform usage, can help us gauge how actively students & educators are using our solution.
- User feedback: gathering feedback from students & educators through surveys & feedback forms can help us understand their experiences, identify pain points & make necessary improvements.
- Long-term outcomes: increased graduation rates, career opportunities, & students' self-confidence, can be indicators of the lasting impact of our solution.
- Comparative studies: conducting comparative studies between students who use our solution & those who don't can help determine the differential impact on academic performance & inclusivity.

**Transferability:**  
Can your solution be used in other contexts?  
What parts of it can be applied to other context?

Absolutely, the core components of personalized learning, AI-curated content, adaptive learning, & robust assessment are adaptable to various educational contexts. This means our platform can be utilized in other settings to provide tailor learning experiences for a broader range of students, thereby making education more engaging & effective for all. This solution can also be extended to teachers who, based on their courses, can receive additional materials to study & to share with their students & suggestions on topics & areas of focus to implement into the academic curriculum, particularly useful to anticipating upcoming hot topics or new courses (i.e. environmental education)

**Context:**  
What is the problem you are facing?  
What is the challenge that you are solving?

The challenge before us involves advancing digital inclusion, with a specific focus on students with learning disabilities. We've taken up this cause because this group is often marginalized within the education system, giving rise to a host of difficulties including feelings of exclusion, frustration, & underachievement. The diverse nature of learning disabilities compounds the issues as it becomes a formidable task for teachers to customize their curriculum & learning resources to meet each student's unique needs. This situation has given rise to a one-size-fits-all educational model that potentially overlooks & disadvantages this minority group.

**Sustainability:**  
What is your plan for the implementation of the solution and how do you see it in the mid- and long term?

Our immediate goals are geared towards the successful development, launch & refinement of the platform. Ideally the launch could be set for the new academic year (Sept 2022) so to develop the platform & adaptive learning features, implement AI algorithms & recommendation systems, build a robust assessment framework, ensure user engagement & friendliness of the platform, user testing to refine & improve it, plan for scalability, establishing mechanisms for monitoring & evaluating its effectiveness. More importantly, this timeframe would enable teachers & parents to be provided with adequate training. All of this would allow the solution to have a long term duration.

**Team work:**  
How well did you work as a team? Could you continue to work as a team in the future?

The team worked greatly together by keeping an open minded & collaborative approach. Each one of us brought their knowledge into the project & we've learnt loads on the topic by sharing our points of view & reflections. We could definitely keep working together as a group in the future.