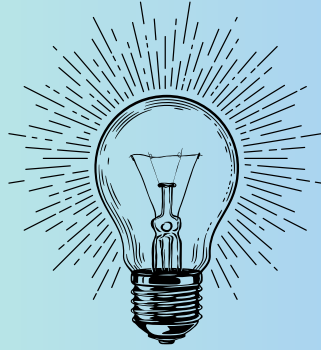


DISTILL - KNOWLEDGE IN YOUR POCKET



**TEAM MEMBERS:
LAKICEVIC NEMANJA, TCYMBAL ANTONINA,
SOSNOWSKI SEBASTIAN, POPOVIC MILENA**

Who from you remember boring lectures during their education?

We come here to give you no more reasons to fall asleep!

WHAT ARE THE CHALLENGES?

Narrowing attention span



More engaging way of learning

WHAT ARE THE NEEDS?

We asked ourselves what are the biggest challenges and needs of education in 21st century.

From the perspective of students and lecturers the learning process is more complicated, as the attention span narrows. We all get distracted by our phones or smart watches. What we need is more engaging way of teaching and learning.

WHAT ARE THE CHALLENGES?

Communication of research outcomes



Research outreach

WHAT ARE THE NEEDS?

When it comes to researchers, they sometimes struggle to reach the broader public with the outcome of their research.

And the need for research outreach is growing, due to trends in science. Who wouldn't like to be as popular as Nikola Tesla?

WHAT ARE THE CHALLENGES?

Disinformation & fake news

Getting reliable and trusted information



Easy way to gain knowledge in changing and complicated world

WHAT ARE THE NEEDS?

And finally: Society suffers because of a growing number of disinformation and fake news in the public sphere. Also, there is a lack of reliable and trusted sources of information.

As the world changes more and more, an easy way to gain knowledge is necessary.



To answer to these needs, we came up with Distill - knowledge in your pocket.

Distill aims to bring together the worlds of academia and society. We want to get the science out of the ivory tower. We want to help students learn more effectively. And we want to help society distill the knowledge wherever they are.

MEET DISTILL - KNOWLEDGE IN YOUR POCKET



Look into your email! :)

And today you have a very first chance to look into our app!

Specially for you we prepared a mock-up of Distill app. It is already on your email accounts!

Distill has two modes, we called paths: learning path for users from society and contributing path for lecturers and students.

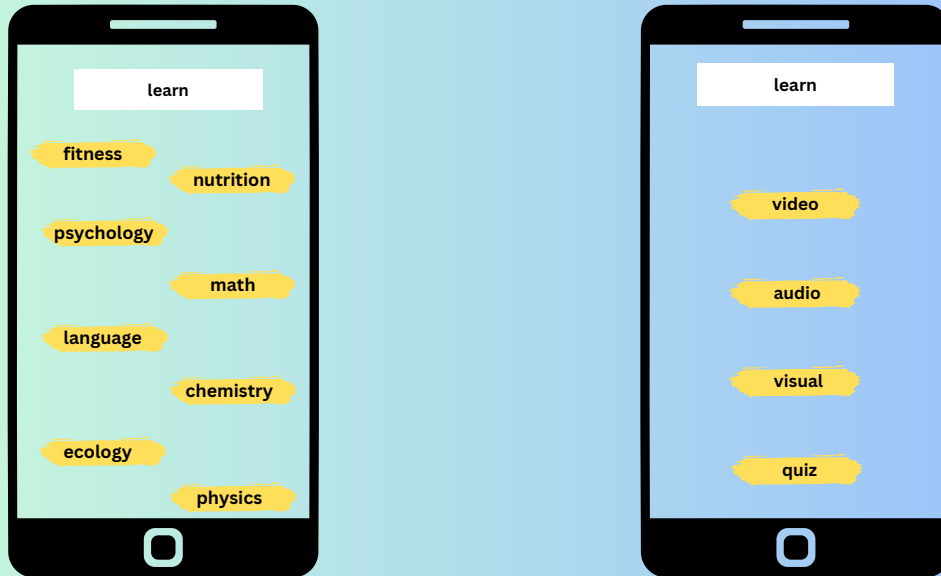
LEARNING PATH



We want to create a unique experience for our users.

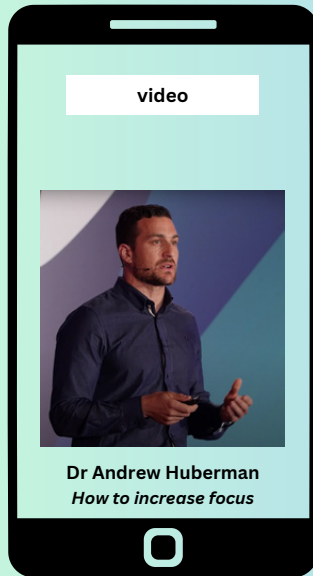
If you want to learn more from researchers, you can simply log in and choose your interest.

LEARNING PATH



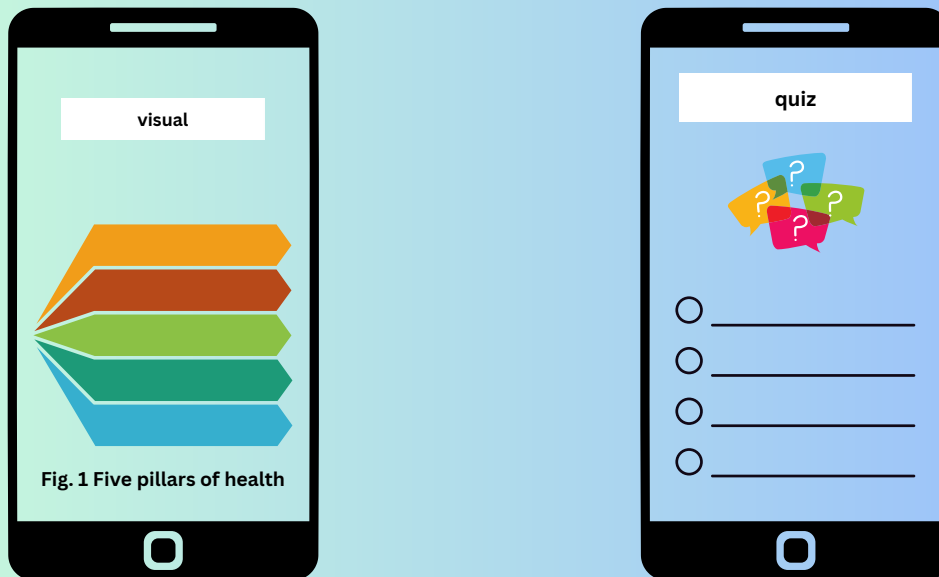
Then you will be invited to choose from available courses. Our users can learn whatever way is the most efficient to them.

LEARNING PATH



For example from videos or podcasts

LEARNING PATH

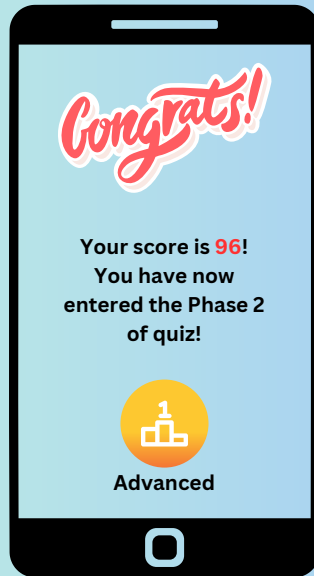


or from interactive infographics.

After completing a lesson the users are invited to check their learning progress.

We also want to expand the learning experience and add more functionalities like debates or step-by-step exercises on chosen topics.

LEARNING PATH

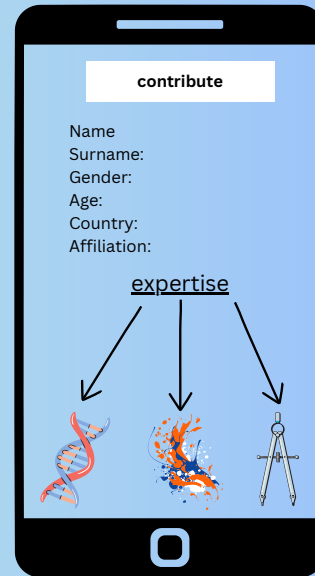


To engage our users, we want to include a method of gamification. Many researches in educational study proves the effectiveness of this learning method.

We also want to create space to ask questions for scientific researchers.

You may ask me: But wait a minute, is it just new Duolingo?

CONTRIBUTING PATH



No! To create content we will invite academic environment - researchers and students.

The content on our app will be up-to-date and based on scientific knowledge.

But for lecturers and students this will be the perfect tool for innovative and active learning.

The contributing path will be designed for lecturers to provide their expertise and affiliation. After the confirmation of the profile they will be able to revolutionise the way they teach.

CONTRIBUTING PATH

FOR LECTURERS

Create a **virtual classroom**

Invite students to contribute - you will oversee their progress and discuss the ideas

Create a unique course for students

Grade your students and prepare another class!



We want to give the lecturers a virtual classroom where they can invite students to contribute.

Lecturers can oversee the process of creating the learning path and discuss the ideas with students.

Distill is a tool with which you can easily prepare a unique course for your students.

CONTRIBUTING PATH

FOR STUDENTS



Learn and create!

Every activity should be based on research and science

Discuss the challenges with your group and the lecturer

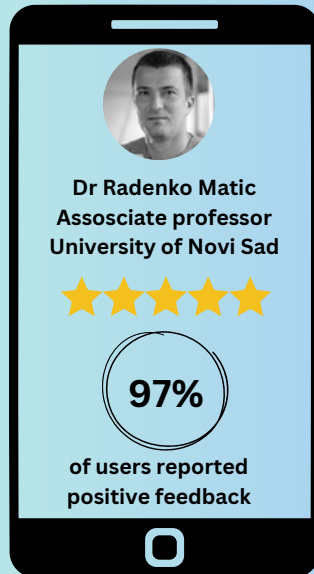
Pass the semester with innovative project!

We want students to learn through creating and critical thinking

Every activity have to be based on research and science, so every video, podcast or infographics will be required to have attached a list of references.

Through creating an educational experience for other users, students will have the possibility to discuss the challenges they meet on their way.

LEARNING PATH



After completing the course, the users will be invited to rate the course, its creators and supervisor.

We want to reward top-scoring courses and supervisors with additional help in the provision of best-quality education.

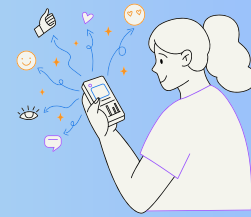
WHY DISTILL?



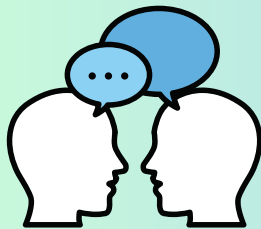
multimedial



social impact



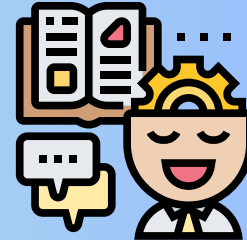
engaging



communication
skills



reaching the
public opinion



knowledge

But you may ask: why Distill?

It encourages lecturers to propose more multimedial classes and students to create educational projects that has a social impact.

By creating the learning path for other users, students learn not only about scientific theories and concepts, but also how to communicate them to the broader public.

Researchers have the possibility to reach broader public and engage public opinion in their area of research.

And last but not least: Societies gain access to knowledge, but not any kind of knowledge. It will be reliable, understandable and expert-designed process of learning about areas of their interest.

WHAT ARE THE BARRIERS?

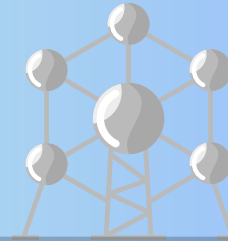
Bringing in users to Distill
(from academia and society)

- promoting it on scientific conferences
- pilot program with European universities
- incentive programs within Distill



Financing

- cooperate with foundations specializing in education
- Possible solution: premium version, adds
- present the idea in Brussels in March 2024



Of course there are certain barriers that we will meet on our way.

First of them is how to bring users to Distill.

To answer to this challenge we want to promote Distill on scientific conferences and create a pilot program with European universities.

To reward our top-scoring users and contributors, we want to have an incentive program within Distill

Another problem to address is a matter of financing.

In order to solve it we want to cooperate with foundations specializing in education. Also possible solution is to have a premium version of Distill and in free version - advertisements. However, we want to create affordable learning experience. It also might be helpful to present Distill in Brussels in March 2024.

WHY DISTILL IS UNIQUE?

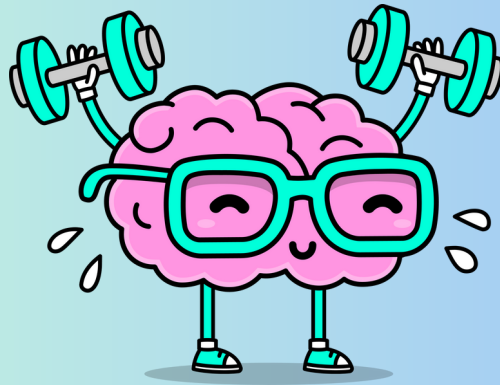


Bringing together academia and public

Let me tell you why Distill is unique:

It brings together academia and public. As Anotnina described it during our hackathon: it is like Duolingo for science.

WHY DISTILL IS UNIQUE?



Active learning approach

We also include scientifically proved approach of active learning - students create and consume knowledge mostly themselves, supervised by lecturers.

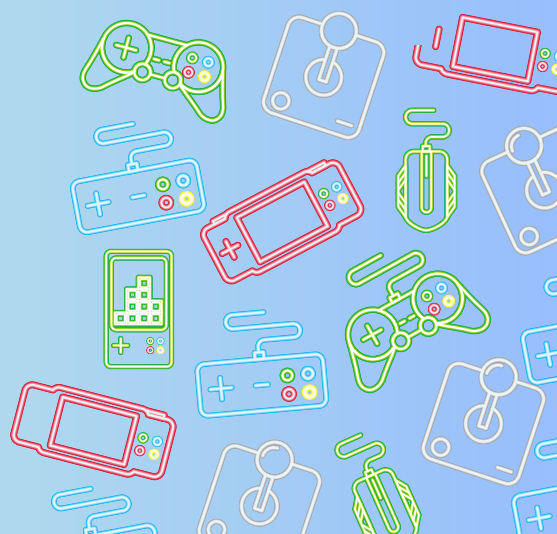
WHY DISTILL IS UNIQUE?



Learning through new technologies

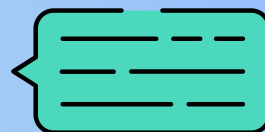
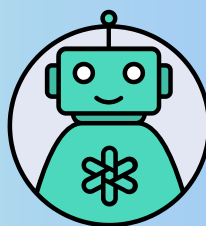
Another advantage of Distill is inclusion of new technologies in the learning process for students and users in society.

WHY DISTILL IS UNIQUE?

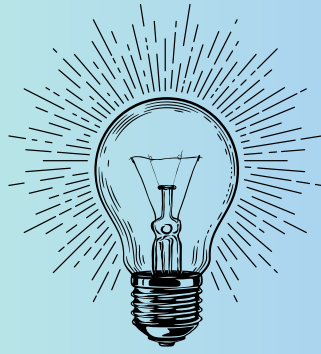


For public Distill is a portable solution to learn through gamification.

WHY DISTILL IS UNIQUE?



And to answer challenges of 21st century - Distill revolutionizes the way of learning. Students will not have to write many essays anymore, especially when bots can do that for them.



DISTILL
knowledge in your pocket

Thank you for your attention!

REFERENCES

Grimshaw, J.M., Eccles, M.P., Lavis, J.N. et al. Knowledge translation of research findings. *Implementation Sci* 7, 50 (2012). <https://doi.org/10.1186/1748-5908-7-50>

van Gaalen AEJ, Brouwer J, Schönrock-Adema J, Bouwkamp-Timmer T, Jaarsma ADC, Georgiadis JR. Gamification of health professions education: a systematic review. *Adv Health Sci Educ Theory Pract*. 2021 May;26(2):683-711. doi: 10.1007/s10459-020-10000-3
<https://pubmed.ncbi.nlm.nih.gov/33128662/>

Trullàs JC, Blay C, Sarri E, Pujol R. Effectiveness of problem-based learning methodology in undergraduate medical education: a scoping review. *BMC Med Educ*. 2022 Feb 17;22(1):104. doi: 10.1186/s12909-022-03154-8
<https://pubmed.ncbi.nlm.nih.gov/35177063/>

Höttecke, D., & Allchin, D. (2020). Reconceptualizing nature-of-science education in the age of social media. *Science Education*, 104(4), 641-666. doi:10.1002/sce.21575

Gikas, J., & Grant, M. M. (2013). Mobile computing devices in higher education: Student perspectives on learning with cellphones, smartphones & social media. *Internet and Higher Education*, 19, 18-26. doi:10.1016/j.iheduc.2013.06.002