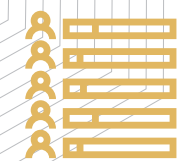
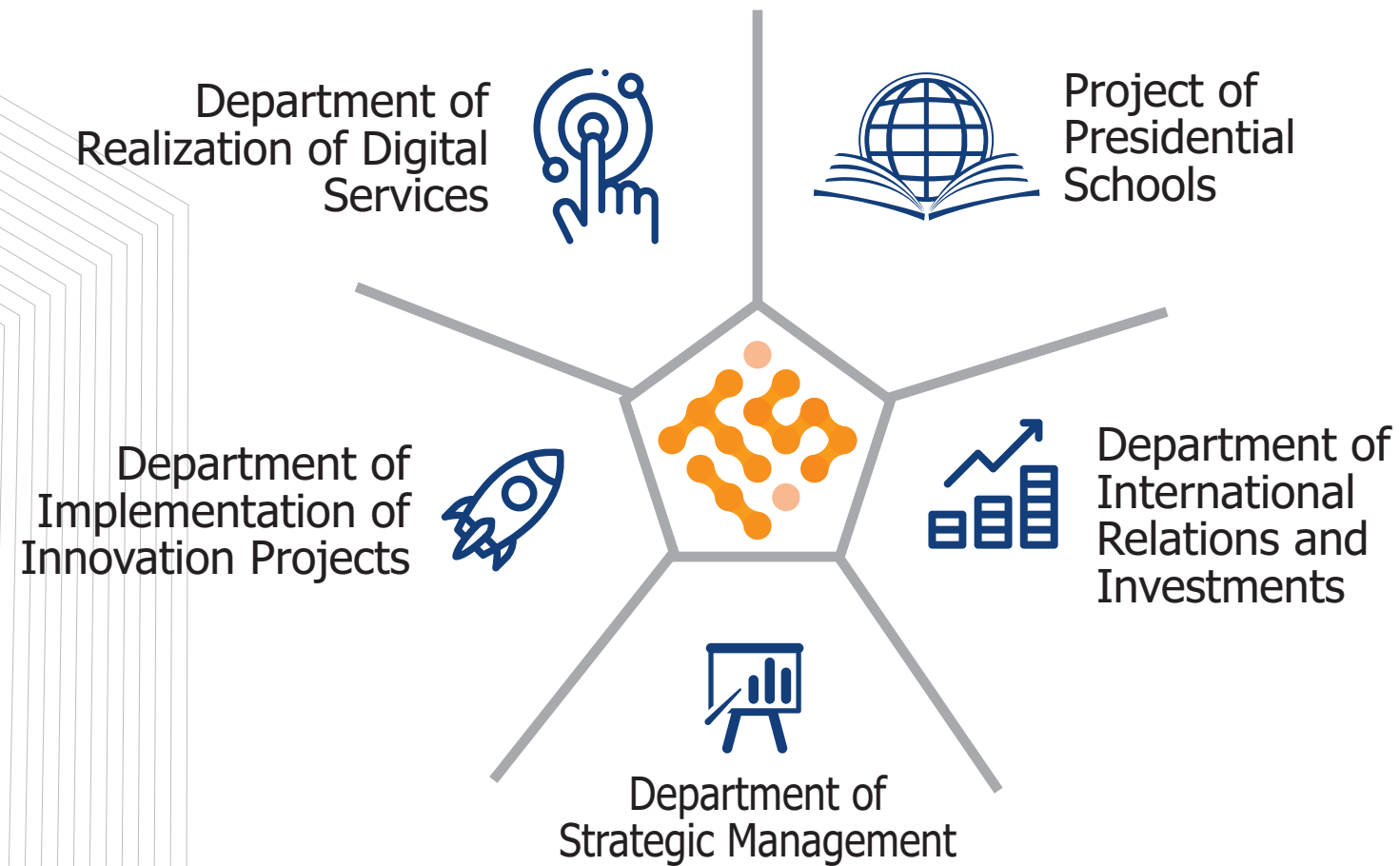




## Ongoing Projects by Innovation, Technology and Strategy Center under the Ministry of Public Education of Uzbekistan

# STRUCTURE OF INNOVATION< TECHNOLOGY AND STRATEGY CENTER



**56** employees







according to  
staff regulation



**33** employees

current staff  
members

## PROJECTS OF INNOVATION TECHNOLOGY AND STRATEGY CENTER

-  > Robotics classes
-  > Kitob.uz e-library
-  > Virtual education platform
-  > Ideas portal
-  > Assistant-bot in Telegram
-  > Public-Private Partnership Portal
-  > Local and international partnership
-  > Grants and investments





# ROBOTICS CLASSES



First 5 classes in Tashkent

First 5 experimental classes were opened in the city of Tashkent during 2019



Public-private partnership

Based on public-private partnership, 20 classes across the country are planned to be opened in the first stage.



Main skills and knowledge

Children will acquire knowledge and skills in mechatronics, algorithms, coding which will help them in the future.



SCRATCH program

Every year more than 3000 students can acquire the STEAM knowledge through SCATCH program (in baseline scenario).





# DEVELOPMENT OF «KITOB.UZ» VIRTUAL LIBRARY PLATFORM



## Modern approach to reading

Literature in Uzbek language will be presented in modern ebook and audiobook formats for the population of Uzbekistan and Uzbek speakers around the world.



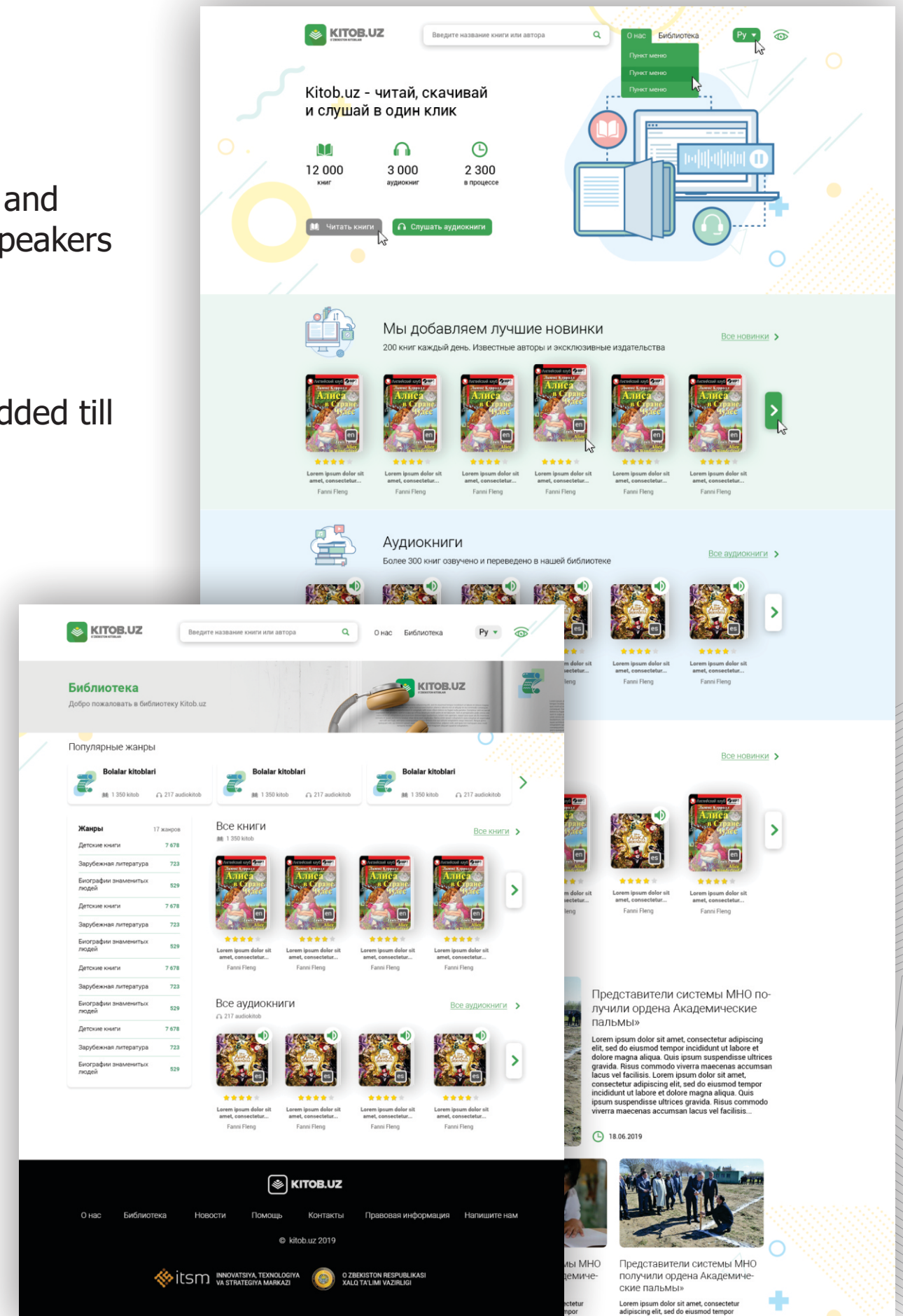
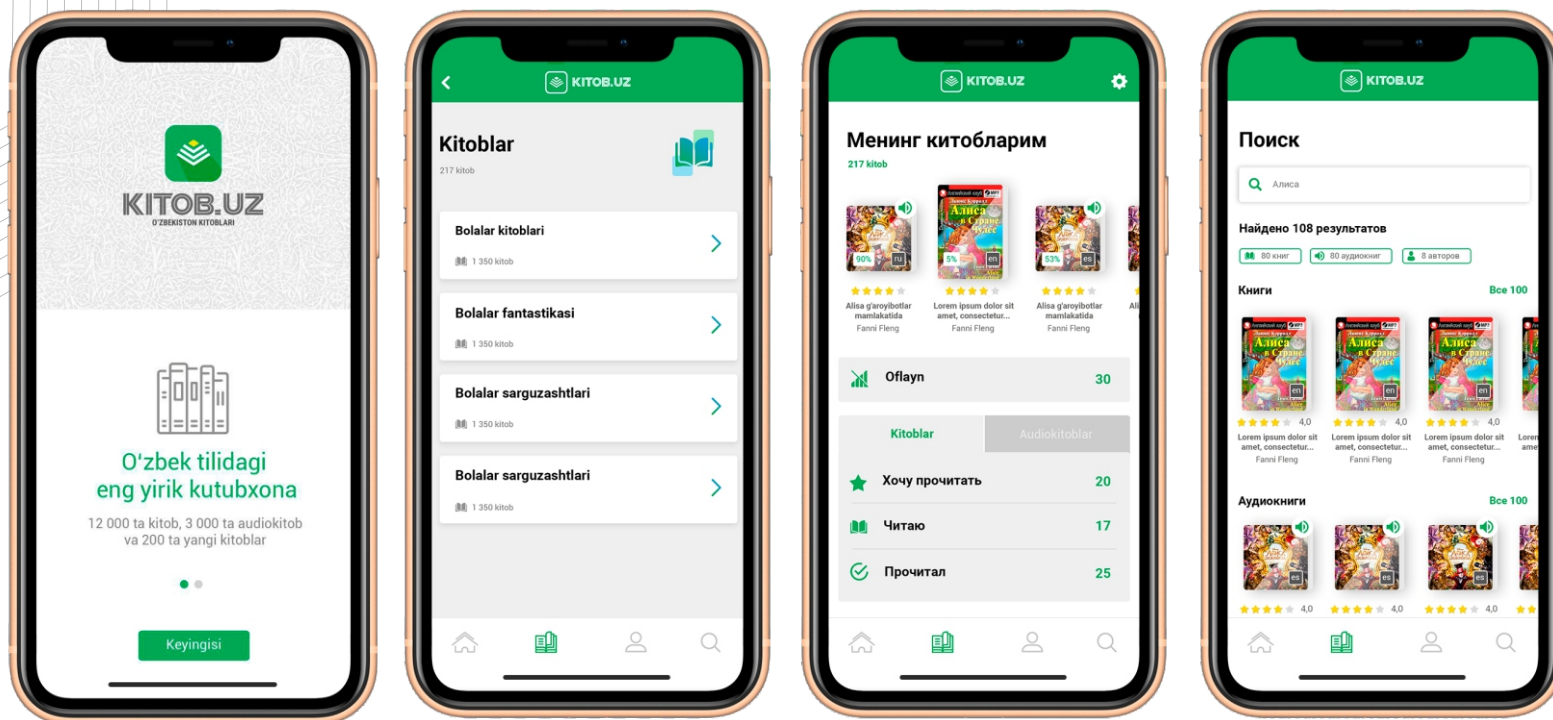
Now: 2500 books

More than 1500 ebooks and more than 1000 audiobooks were added till now.



Then: 10 000 books

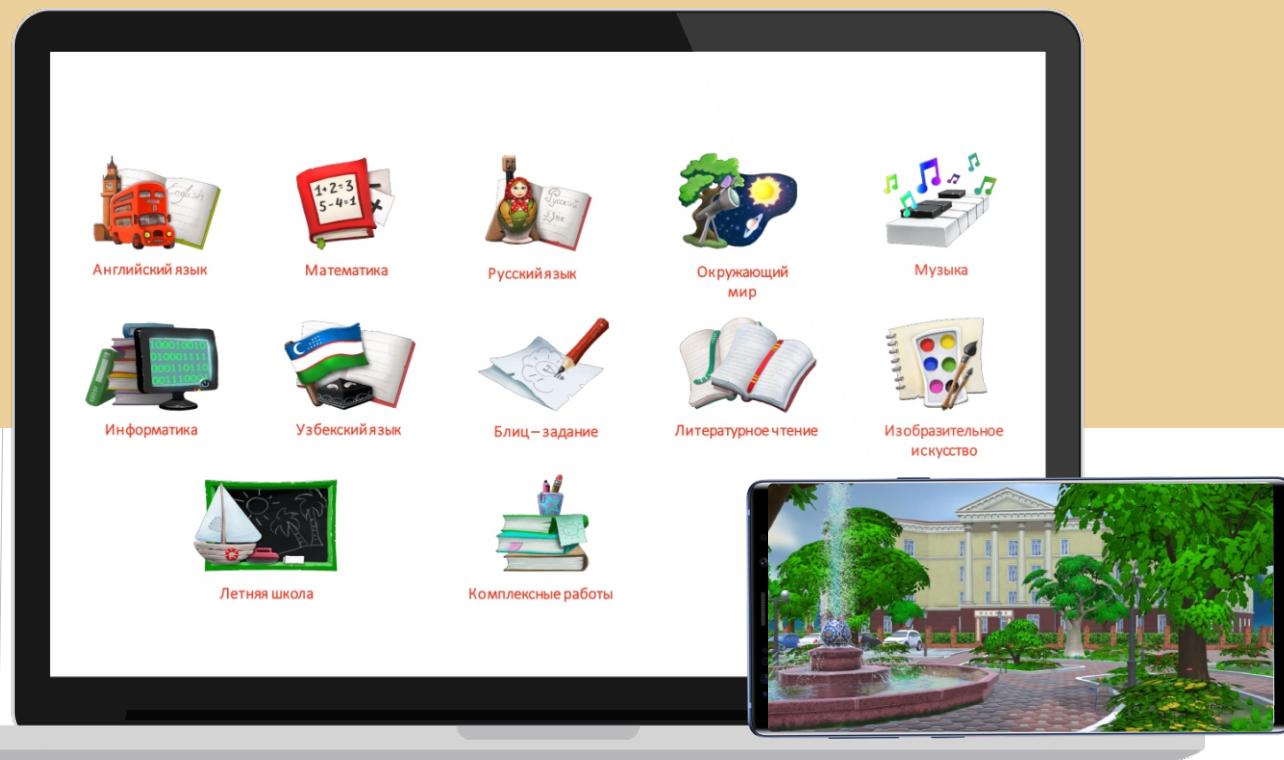
More than 10 000 books will be added to the platform till the end of 2019.





## Usage

«Virtual ta'lim» platform will help to develop the creative skills of the children and help to acquire other soft skills like problem solving and logical thinking.



## Planned:

- Since 2019/2020 academic year, more than 1200 primary school students will try the preliminary version of the platform.
- There will be created the possibility for teachers to analyze the performance of students in the platform;
- Further steps of the projects will be developed after seeing the first results.

## Required additional resources:

- Qualified teachers - to create enrich the interactive content in the platform;
- Administrative resources - in order to provide successful experiments among the students;
- Media resources – in order to inform about the possibilities of the platform.

## Expected results:

**+15%**

increase in decision-making speed

**x1,5**

increase in attention to tasks

**x2**

increase in attention to details

**+15%**

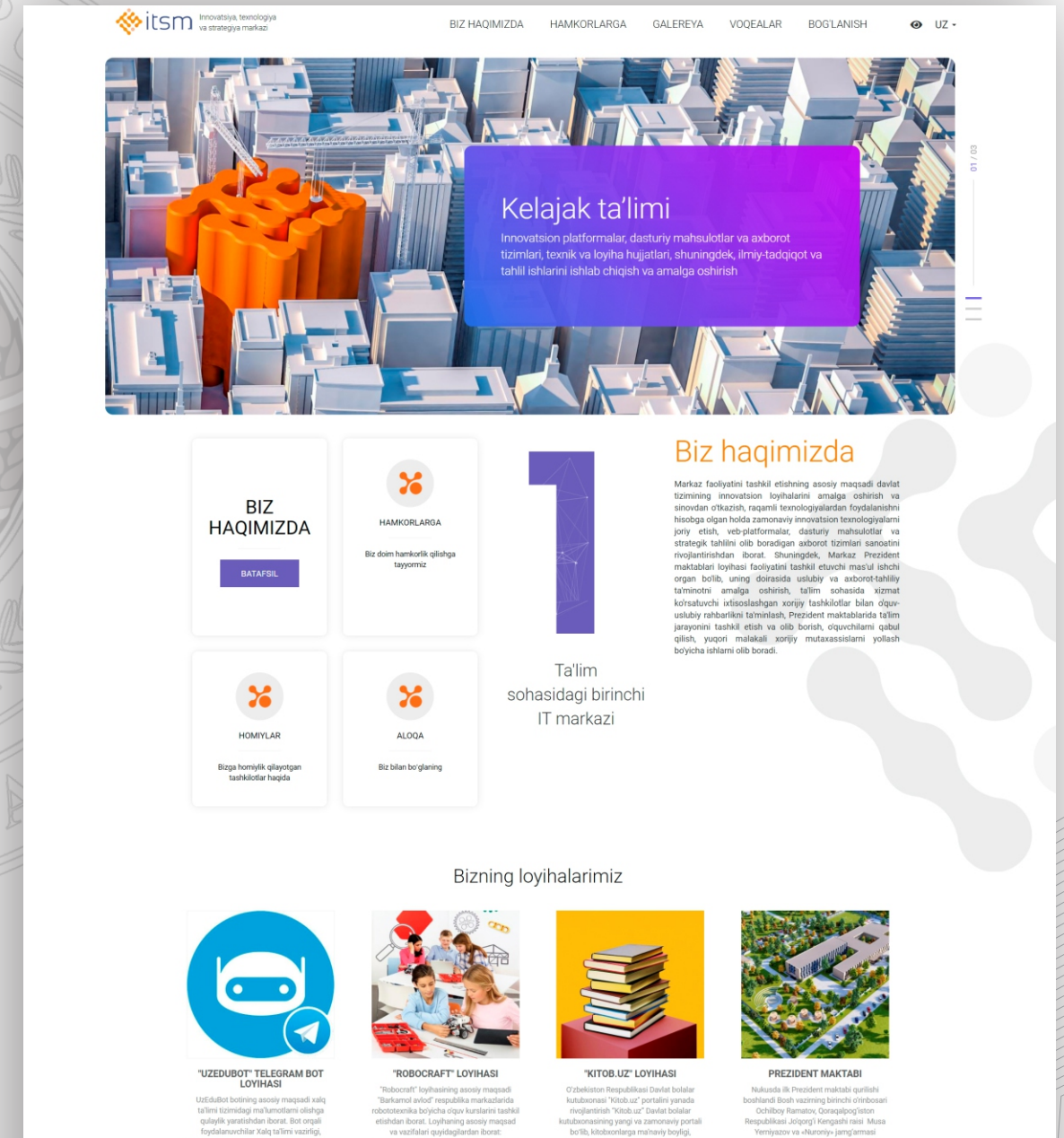
increase in logical thinking

**+20%**

improvement of memory



# DEVELOPED WEBSITES

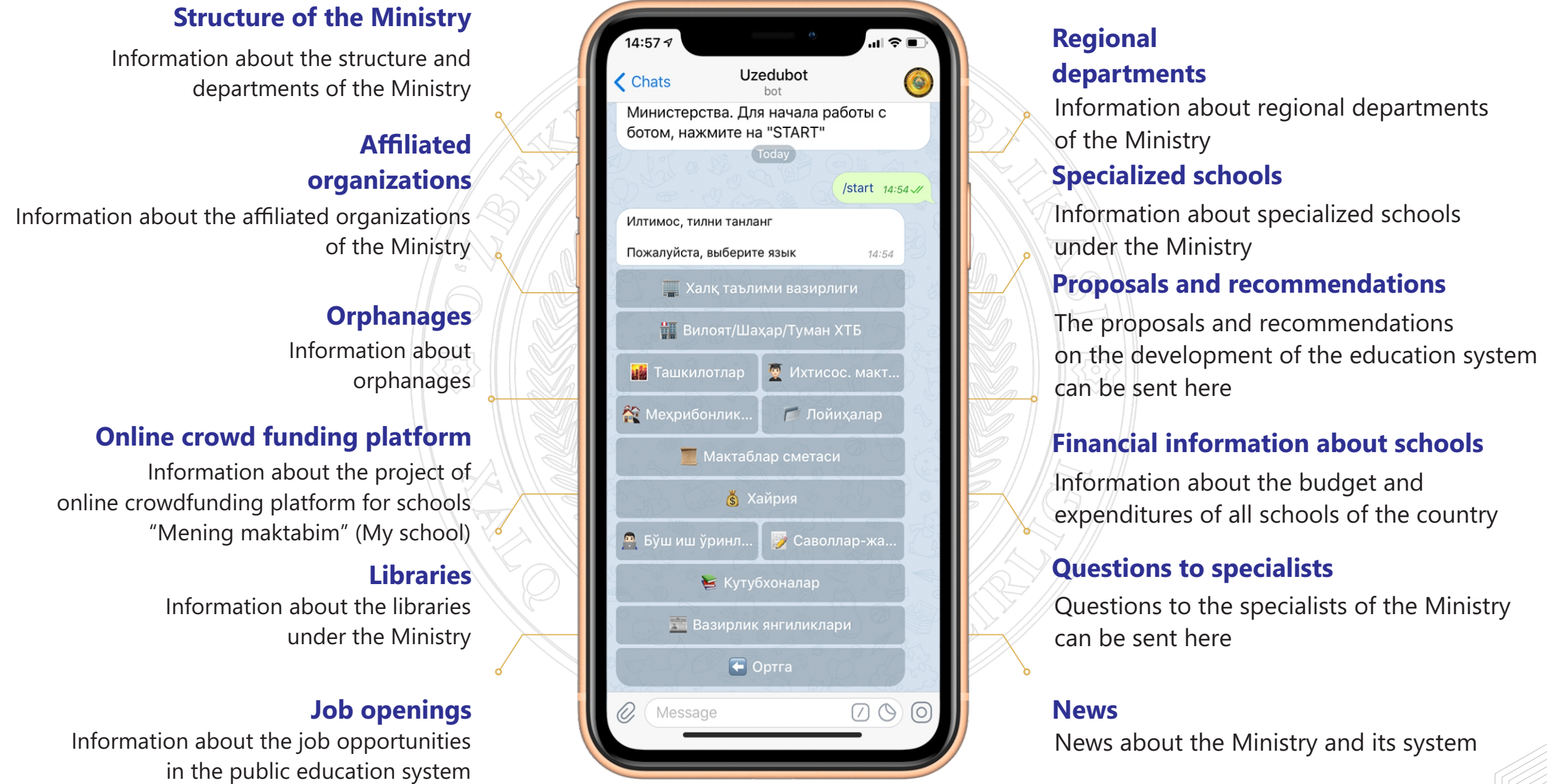


Idea.itsm.uz – web platform where everyone can send their proposals about the innovations to be introduced in the education sector in Uzbekistan.

itsm.uz – the website of the Innovation, Technology and Strategy Center where we inform about the realized and planned innovative projects in the education field in Uzbekistan.



# CHATBOT ASSISTANT IN TELEGRAM



«Uzedubot» assistant chatbot was created at the base of the popular Telegram messenger. The bot consists information about 215 regional departments, 216 learning centers, 22 orphanages and 15 libraries.

Financial information about schools section will provide all information about the budget and expenditures of the schools which will provide their financial transparency. All technical aspects of the project is finished, the content is being completed.



# PUBLIC PRIVATE PARTNERSHIP PORTAL



## What is the PPP?

The portal will inform the public about the key principles of the public-private partnership and what can be done in the education sector in this format.



## Remodeling of schools

Remodeling of schools is one of the main components in the public-private partnership strategy of the Ministry of Education and it will be advertised through the portal.



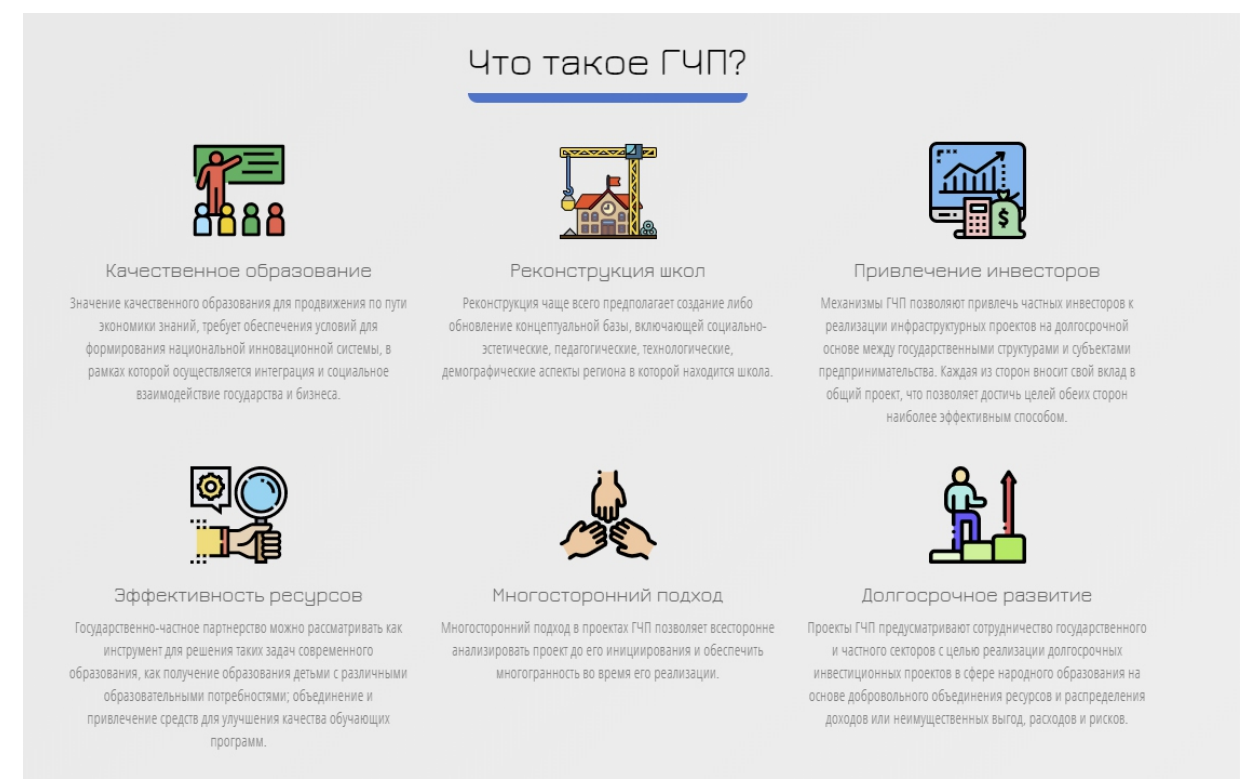
## Attracting investors

in PPP format, the public and private sectors will cooperate in order to implement the long-term infrastructure project and the portal will inform the potential investors about the benefits that they will take from PPP.



## Efficiency of resources

The portal will also inform the potential investors that the PPP will not only give the material benefits to them, but also helps to improve the quality of education and increase the chances of all children for the quality education.





# LOCAL AND INTERNATIONAL PARTNERSHIPS

- > **Partnership proposals** were sent to **more than 70** local, foreign and international organizations;
- > **More than 15 applications** were submitted to pretend for funding for the realization of projects;
- > Partnerships were already **established with more than 10** local, foreign and international organizations.



**KOICA** - for the project of establishment of an educational think tank in Uzbekistan;



Japan International Cooperation Agency

**JICA** - for establishment of 100 robotics classes across the country;



**EU** - for the project "Empowering independent teachers associations in Uzbekistan" aiming to raise the social status of teachers;



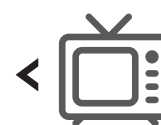
**Zayed Prize** - for the projects of improvement of infrastructure of 2 schools;



**IsDB** - for the projects of Virtual education, Robotics classes and Coding classes.



Negotiations with **BBC** in order to broadcast the channel's children content, designed for learning English, in Uzbek TV channels



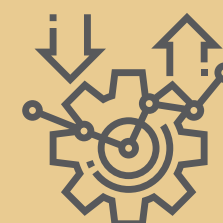
**Lukoil** company is ready to fund the establishment of robotics classes in **Bukhara** and **Kashkadarya** regions.



Memorandum of Understanding was signed with **Korean Educational Research and Information Service** and Technical Advice for the year 2020 was agreed



Partnership relations were established with more than **30 local companies**, including **Ucell, Huawei, UzBat, Hamkorbank**.



Analytical support to the Ministry for the establishment of the **Future Education Agency**.

Analytical support of the innovation projects by preparing materials about the **international experience** of introduction of innovations in the education sector.



# PROJECTS PLANNED FOR REALIZATION



## EDUCARDS

### Current state

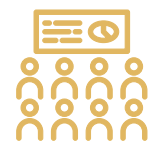
- There is no single system of the access control to the territories of schools, no possibility of using one electronic system for several types of services in the schools.

### Proposal

- Establishment of the system of educards allowing to use easily several types of services inside and outside the schools.

### Expected results

- Educards system will contribute to the security of schools, helps to automatize the usage of services in the schools, allows students and teachers to use the extraschool services in discounted prices or free of charge.



## SCHOOLS PORTAL

### Current state

- There are no website of the majority of the schools, they don't have a capacity of developing website, no possibility of evaluating the activities of schools online.

### Proposal






- Launching the Schools Portal where every school can fill its own website and inform the public about its activities.

### Expected results





- Schools will have their websites, public will have an easy access to information about schools, students and parents will have the possibility of evaluating online of the activities of schools





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# Thank you for your attention!

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**itsm**  
Innovatsiya, texnologiya va strategiya markazi