

## Scientific research projects

- 1. Research projects at the expense of grant financing of the Ministry of Internal Affairs of the Republic of Kazakhstan**
- 2. R&D through extra-budgetary financing**

A grant-funded scientific and technical project for 2020-2025, announced by the Ministry of Science and Higher Education of the Republic of Kazakhstan.

Nº	Department	Head of the Department	Project topic	Project manager	IRN
1	Mathematics and Computer Science	Kobeeva Z.S.	"Assembling a mobile smart online trading platform using information technology on a single Kazakhstani server"	Turdaliev Zh.K.	AP15473405

**The main goal of the project:** Formation of a safe, reliable and efficient e-commerce ecosystem through the development of a mobile platform for smart online trading using modern information technologies and its placement on a single Kazakh server aimed at developing the digital economy of the Republic of Kazakhstan.

### Specific project objectives:

1. Development of a mobile platform for intelligent online trading is the development and implementation of a user-friendly, multifunctional and high-performance mobile application.
2. Creation of a unified Kazakh server infrastructure is the organization of a centralized server system that ensures information security by storing data on the territory of the country.
3. Improving information security by introducing modern encryption and security technologies to protect user data, secure payments, and protect against cyber threats.
4. The introduction of intelligent technologies provides customers with personalized trading offers using artificial intelligence, data analysis and a recommendation system.
5. Support for domestic entrepreneurs by creating a digital platform that allows Kazakhstani small and medium-sized businesses to easily and efficiently sell their products on the online market.
6. Automation of online trading processes-full automation of order acceptance, payment, delivery and feedback processes.
7. Increasing the availability of mobile commerce - adapting the platform to work effectively on various mobile devices (Android, iOS).
8. Development of the Kazakh digital market -increasing the share of domestic IT solutions in the field of e-commerce and reducing dependence on foreign platforms.
9. Improve User Experience - Increase customer satisfaction by making the interface simple, fast and intuitive.
10. Increasing economic efficiency-reducing time and financial costs through online trading, increasing turnover.

## Information on scientific developments commercialized for 2020-2025

<b>Nº</b>	<b>Subject, type of research, registration number</b>	<b>Head of Research</b>	<b>Terms of execution – the actual term of execution</b>	<b>Volume and source of financing (grant, PCFI, own funds, funds of third-party organizations)</b>	<b>The result of the work</b>	<b>The customer, the number and date of the contract (to specify in case of completion of research on the order or contract)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
1.	"Improving students' creative abilities through modern applied fields of mathematics and computer science"	Kobeeva Z.S..	01.09.2021-01.09.2024y	Funds from third-party organizations 450 000 тг		Contract No.10 09.20.2021y IT school-lyceum No. 24 named after S. Yerubaeva
2.	Design, development and creation of a database of document management software for a private institution of the South Kazakhstan Multidisciplinary College"	Kobeeva Z.S.	01.01.2023-01.01.2024y	Funds from third-party organizations 600 000 тг	Defining the features of creating a database. Development of software on the research topic. Optimization of information and maintenance.	Contract No. 1 on 01.23.2023 South Kazakhstan Multidisciplinary College
3	"Methodological features of the implementation of the principles of visibility using the basics of artificial intelligence in integrated teaching of computer science and robotics"	Kobeeva Z.S.	01.10.2024-01.09.2025y	Funds from third-party organizations 300 000 тг	Preparation of an educational and methodical manual on the research topic. Practical application based on the results achieved. The use of artificial intelligence elements. Creating robotics models.	Contract No. 2 09.09.2024y