

IRN AP26198915 «Modernization of cybercrime investigation mechanisms in the Republic of Kazakhstan»

Information about the project

The project is an applied interdisciplinary scientific study focused on identifying problems that arise in the process of applying legislation in the investigation of crimes committed using digital technologies, as well as developing the most effective methods to solve them. The project provides for the modernization of the current regulatory framework of the Republic of Kazakhstan in the fields of criminal law, criminal procedure, criminology and information technology related to the investigation of crimes in this category.

Currently, cybercrime in Kazakhstan poses an increasing threat to citizens, businesses, and the country's critical infrastructure. The number of cybercrimes, such as Internet fraud, data theft, cyber attacks and other socially dangerous acts, is rapidly increasing, indicating their progressive nature, undermining national security and leading to serious economic losses.

In the context of global digitalization, it is planned to conduct a comprehensive, interdisciplinary study in which legal problems will be considered using the capabilities of traditional and promising information technologies.

As a result of the analysis of legal sources related to this issue, the following key problems have been identified:

- insufficient elaboration of national legislation in the field of legal relations aimed at ensuring information security;
- difficulties in investigating criminal offenses committed using information technology;
- lack of effective forensic techniques and scientifically based recommendations for the detection and investigation of crimes related to theft on the Internet;
- insufficiently effective interaction of investigative authorities with information technology specialists.

THE PURPOSE OF THE PROJECT

The study of the socio-legal aspects of cybercrime and the development of the most effective approaches to solving problems that arise in the process of law enforcement practice in the detection and investigation of crimes committed through digital technologies.

Project objectives:

- 1) To investigate the terminology used in the legislation of the Republic of Kazakhstan regulating the investigation of crimes committed using information technology;

2) To collect and analyze statistical data on the state, structure and dynamics of crimes related to theft in the information sphere, as well as to study the materials of judicial and investigative practice for the investigation and consideration of criminal cases in this category in order to:

- identification of the dynamics of registration of such criminal cases;
- establishing the factors and circumstances affecting the interruption of the investigation period;
- determining the causes and conditions of a low detection rate of crimes related to embezzlement in the field of information technology;

3) Analyze national and international criminal, criminal procedure, information and other legislation to identify legal conflicts and explore the possibility of extrapolating foreign experience in investigating theft in the field of information technology to Kazakhstani law enforcement practice. Based on the results of the analysis, propose measures to improve the national legislation of the Republic of Kazakhstan.;

4) To study the existing methods of investigation of theft committed using information technology, and to assess the level of their effectiveness for law enforcement practice;

5) Identify the causes and conditions that contribute to the commission of theft using digital technologies, and characterize these crimes as transnational.

Expected results:

1. Preparation of an analytical report on the state and dynamics of crime in the field of online theft in order to identify their characteristic features.

2. Development of proposals for improving criminal procedure, criminal and information legislation, as well as other regulatory legal acts.

3. Development of a set of methodological and practical recommendations for improving the mechanisms for detecting and investigating crimes committed using information technology, as well as determining the most effective measures for their disclosure.

4. Publication of research results in reputable peer-reviewed scientific journals included in the citation databases Web of Science, Scopus and journals recommended by the Committee for Control in the Field of Science and Higher Education.

5. Organization of round tables and scientific and practical conferences with the participation of law enforcement officers and information technology specialists, with mandatory coverage of the results on social networks and media platforms.

The results of the conducted research will have a significant impact on scientific and technical potential, including human resources, and will contribute to the following areas::

- replenishment of the Kazakh scientific knowledge base in the field of investigation of crimes committed using information technology, deepening understanding of current problems and offering effective ways to solve them;
- confirmation of the need to improve existing forensic techniques for detecting and investigating crimes in the digital sphere;

- creating the basis for the development of specialized educational programs and training courses capable of effectively solving problems related to the investigation of cybercrime by introducing innovative science-based methodologies;
- strengthening and expanding the areas of regional and international cooperation between scientific and professional communities.

The results obtained will have a positive impact on the competitiveness of scientific organizations and their teams, which will contribute to:

- strengthening the position of Kazakh science in the international arena, making it more attractive to potential partners and investors;
- improving the professional competencies of scientists and specialists involved in the research;
- to expand scientific contacts and deepen the research process through interaction with other scientific institutions, including foreign scientists and specialists;
- the growth of the scientific potential of research groups and individual scientists, stimulating them to further research on this topic.

The practical significance of the conducted research is aimed at solving key issues of socio-economic progress of the Republic of Kazakhstan and includes the following areas: preparation of proposals for correcting and supplementing current legislation; improvement of law enforcement processes; professional development of employees involved in the investigation of cybercrimes; raising awareness of citizens about ways to commit online theft; assistance in strengthening international relations and cooperation with by foreign scientific communities.