



## Innovative activity of libraries in Uzbekistan

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<b>Article History</b> Received: 13 Aug 2023 Revised: 12 September 2023 Accepted: 29 Oct 2023  <b>CC License</b> CC-BY-NC-SA 4.0	<b>Abstract:</b> In this article, the development of new innovative activities and the provision of modern information technology in all district, city, regional information-library institutions of the Republic of Uzbekistan, as well as the processes of strengthening their material and technical base, are highlighted. <b>Keywords:</b> innovation, information-library, information-communication, electronic library, collective electronic catalog, automated, Internet, BiblioPRO
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Concepts and rules of innovation in the field of library science in our country began to enter in the 90s. It is no exaggeration to say that information and communication technologies have become the most widely used business activity in all fields. Because, no matter what field of our society, they all cannot imagine their activities without information technologies. In addition, their contribution to the rapid development of the innovative activities of the library in the field of information-library.

So what is innovation? The concept of innovation is related to fundamental changes in the library's activity - the introduction of innovations. Innovation always accompanies the development process, stimulates the creative energy of employees.

Formation of innovative activity in libraries is organized by creating new opportunities and projects. Formation of innovative works makes it possible to improve service to users, improve library technology, new techniques, promising work methods and organizational management.

In Uzbekistan, which is increasingly integrated with the world community in the 21st century, the process of collecting, distributing and disposing of information is accelerating, as a result, innovative service systems are being created in information and library institutions. Initially, a number of large libraries of our Republic, the National Library of Uzbekistan named after Alisher Navoi, the Main Library of the Republican Academy of Sciences, the library of the Tashkent State University of Information Technologies and a number of other higher education institutions, were automated and created their electronic catalogs using the IRBIS system.

As a result of the use of modern information and communication technology, a system of information exchange and transmission was created in information and library institutions, and new innovative concepts such as computers, multimedia tools, computer networks, and the Internet were introduced. On the basis of these innovative technologies, services such as information systems, their management, transmission systems, and database creation have been launched.

Especially in the field of education, information technologies have created wide opportunities in the introduction and development of e-learning. Information technologies have created new opportunities for collecting and processing information for obtaining information, reprocessing certain information using existing methods and tools, and creating and transmitting information necessary for human life.

In order to study the innovative phenomena of practice in the library field, first of all, it is necessary to thoroughly study the concepts of optimization, automation, scientific and technical progress and best practices, innovative management in professional publications, and professional speech.

Evaluation of the innovative potential of libraries and the effectiveness of their innovative activities is related to the adoption of separate management decisions.

In this regard, a number of regulatory and legal documents are being developed in our country to develop the activities of information and library institutions.

PQ-4354 dated June 7, 2019 "On further improvement of information and library services to the population of the Republic of Uzbekistan", Appendix 1 of this decision "On the improvement of the information and library sector of the Republic of Uzbekistan in 2019-2024 Development Concept". The introduction of new innovations to library and information institutions is being carried out as a result of the reforms of these regulatory and legal documents. Corporate cataloging of library and bibliographic works, virtual reference and bibliographic services are indicators of innovative potential and attention of users.

In our country today, on the basis of Decision No. PQ-4354 dated June 7, 2019 "On further improvement of information and library services to the residents of the Republic of Uzbekistan", general education schools and special secondary schools introduced in 2006, information resource centers of vocational educational institutions were completed, new innovative information technologies were introduced and developed, and a national information-library network was created.

In all district, city, regional information-library institutions of our republic, provision of new innovative, modern information technology and strengthening of their material and technical base has begun.

Investments have started to be attracted for the innovative activities of information and library institutions, the establishment of effective innovative relations and communication with the population, the development of news and the implementation of innovations. At every information-library center, the activity of clubs teaching the management of innovative technologies and foreign languages and other areas has been launched. Because today's demand is to educate young people who have received modern knowledge, advanced professions, innovative technologies, and mastered foreign languages.

In information-library institutions, the number of automated workplaces for users has been increased, funds, electronic copies of all types of printed publications have been increased, and information-library institutions have been expanded in order to create an opportunity for all residents of our country to remotely use regional, republican and world information resources. The connection to the Internet network was expanded, separate websites were created and the active participation of information-library institutions in the virtual space, provision of virtual information-library services to the population was launched.

Today, the virtual service method, which is common all over the world, is widely used in the industry. A single electronic database of information-library institutions has been created, which provides remote access to the information resources of information-library institutions of the

country. Through the Internet network, the virtual library has created an opportunity for the user to get the necessary literature or information without coming to the library. As a result, 24-hour continuous provision of electronic data, electronic books, scientific research and educational process information to the residents of our country, the support system has been improved, and the service of electronic libraries that deliver documents electronically using mobile communication devices is also in place. done. Today's innovative services implemented in information-library institutions occupy a special place in the organization of online e-books, educational processes based on modern technologies and improving the quality of education.

In addition, interactive services providing the use of information and knowledge with the help of modern information technology tools were launched as part of the provision of state and additional services.

During the mass quarantine caused by a virus that threatens human health all over the world, the distance method was used effectively to improve the information knowledge of users of information and library institutions, and to provide educational services to children, teenagers and young people.

Systems for distributing information to users in various forms with the help of information and communication technologies have been established:

- Display educational information through electronic resources in text, graphics, audio, video, animation format;
- Interesting information for the education of young people;
- Interesting quiz questions and answers to strengthen knowledge and skills;
- Connection to any electronic data bank and target educational databases and other possibilities have been created to obtain interesting information.

Also, all the regional and district information-library institutions operating in our Republic are creating their collective electronic catalog and providing services to readers through them.

Elements of bibliographic records about books are being entered into the database of the collective electronic catalogs being created.

As a result of the development of innovative activities of information-library institutions, automated workplaces (AIJ) of librarians, bibliographers, catalogers, and administrative staff were created.

As a result:

- Improving the quality of service to users, expanding the types of services provided and meeting the needs of users more fully;
- Creating favorable working conditions for users of the information-library center and library staff;
- Improving the efficiency of keeping funds and using them;
- Creating relief for information-library employees in their work (frees them from performing catalog cards, various orders, letters, reports, compiling bibliographic lists and a number of other difficult tasks);

New innovative information and communication technologies in the information library create the following opportunities:

- increases the speed of information search;
- one-time input of data and multi-purpose use of them in document search, printing of selected information, transfer of data arrays to other users, preparation of publications, etc.;
- perform a multi-faceted search according to various signs and their combinations without using additional files and indicators;

- search from other library catalogs and collective electronic catalog using network and communication tools using a computer in one's own library. Search on diskettes or optical disks with large databases and get the necessary information;
- automatic formation of orders based on the databases of publishers and book trade organizations and organization of their fulfillment when completing the library fund;
- automated accounting of all processes in the library and maintenance of library statistics, including accounting of library services;
- reliable storage of library catalogs in several copies;
- reducing costs of processing the flow of documents received by the library and building the fund;
- expanding the range of services to consumers due to the attraction of new innovative information sources;
- access to information and full-text documents of other libraries, information centers, organizations and companies by accessing the information space of our country and the world through Internet networks;

In addition, through innovative services of information libraries:

- automatic processing of new documents received in the library;
- preparation of files, list of publications, orders, letters, reporting documents;
- creating a database of accepted documents;
- creating an archive of literature on various topics and carrying out operations on copying it;
- perform a subject search in accordance with readers' requests;
- providing services through databases of information and periodicals of the library;
- maintaining an array of bibliographic descriptions of journal articles;
- creation of electronic references;
- control of given literature;
- registration of readers and their forms;
- automatically record the given literature in the reader's form;
- control over the timely return of books;

As a result of these provided innovative services, the young people who use the library will learn how to use the library's electronic catalog, besides, conditions will be created for users to study independently and gain knowledge by searching.

Currently, information and library institutions provide services to users in the following directions using IRBIS and UZNIL programs based on new innovative technologies:

- cataloging, electronic catalog (EK), information-bibliographic service;
- bibliographic service using EC databases on optical discs or other libraries;
- providing services to readers (registration of readers, giving books, etc.);
- creation of a fund, including book exchange;
- registration of periodicals and maintenance of corresponding EC;
- subscription between libraries;
- automatic preparation of bibliographic publications (also preparation of catalog cards);
- library management (accounting, statistics, personnel, accounting, etc.)

Biblio.PRO system is used for library management. The Biblio.PRO system is designed both for centralized library systems and for independent libraries with any level of automation and technical support.

The main tasks of the system are standardization and automation of internal processes of the library, data storage and optimization of reports.

Actually, BiblioPRO is an ERP system. (eng. Enterprise Resource Planning) - enterprise resource planning (management) system).

The Biblio.PRO system was developed by Russian programmers directly for the library industry in Russia.

Biblio.PRO as an ERP system is used for:

- Creation of information system for identification and planning of all resources of the institution;
- Implementation of activities in working with students;
- Creation of a methodology for effective planning, analysis and management of all resources (including data) of the institution necessary for accounting;

The advantages of this system are:

- Information entered once is used repeatedly (for example, information about events). There is no need to enter the same information several times by different employees, which saves a lot of time;
- Standardization, reporting;
- Verification of entered data, joint operation of departments on forms in real time;
- Automatic generation of reports;

In addition, it reliably stores data, provides data backup, archiving of initial data and working with them.

The system runs on any PC, with no requirements for an operating system, software, or Internet connection. Ease of access is provided by the principle of cloud-based operation. It also does not require local servers and a technical support team.

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