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ONLINE PLATFORM FOR STORING AND PRESENTING BSUIR HISTORY

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Annotation. The article reflects on the application of an online platform as a digital tool for storing and transmitting university heritage to next generations. The platform's capabilities are assessed, in particular its advantages and future uses are specified. It is highlighted that the creation of an easily noticeable online platform interface has a direct impact on the ability of the user to quickly receive every type of information.

Keywords: online platform, digital tools, user interface, time-line, scientific achievements, digital technologies.

Introduction. In the context of human evolution, information technologies rapidly spread through various fields of application. The importance of preserving information from different parts of time became a crucial goal. After years of sharing, collecting, and analyzing information, the groundwork was set up for the creation of an online platform, where modern technologies are used to preserve the legacy of previous generations.

In our days there are more and more opportunities to access relevant information easily and quickly. This has been made possible by digital technologies. The development and dissemination of digital technologies defines the direction of the development of society. Online platforms are explained as digital tools, which are actively used in our time. Their capabilities allow to improve the ability to receive information through a convenient interface and to structure a large amount of data used.

Main part. Online Platform for Storing and Presenting BSUIR History is a website that brings together different kinds of information: facts, photos, historical moments, statistics, publications. Various components are involved in the creation of the website, ranging from header and footer to event cards and whole articles. Almost every component is a separate element, that performs its function, and each of them describes a certain part of the history, providing a complete overview. The main elements of the platform are: chronology of events (key developments of the university), achievements in the scientific field (development of forward-looking research) and statistics. The platform is established with high-level TypeScript programming language in addition to using the React library and CSS framework Tailwind CSS [1]. Due to the functionality and capabilities of the language and framework, the platform includes many features, each of them revealing the potential of the technologies used. For example, the transition from page to page is almost seamless and the component-based architecture allows to make code modular [2].

The time-line is used as a tool to understand the history of the university. Starting from the foundation of Belarusian State University of Informatics and Radioelectronics (BSUIR) and the first achievements, ending with information of the current time [3]. The time-line is revealed in a simple format for understanding: a sequence of events with a small difference in time. It helps to completely understand the chronology of history. For a clearer understanding of the development of the university there are statistics results on the platform that characterize current time data. Using basic indicators, it is possible to assess the scale of the educational institution. If the high performance is established, it is concluded that the university provides quality education. An example of the time-line section is demonstrated in Figure 1.
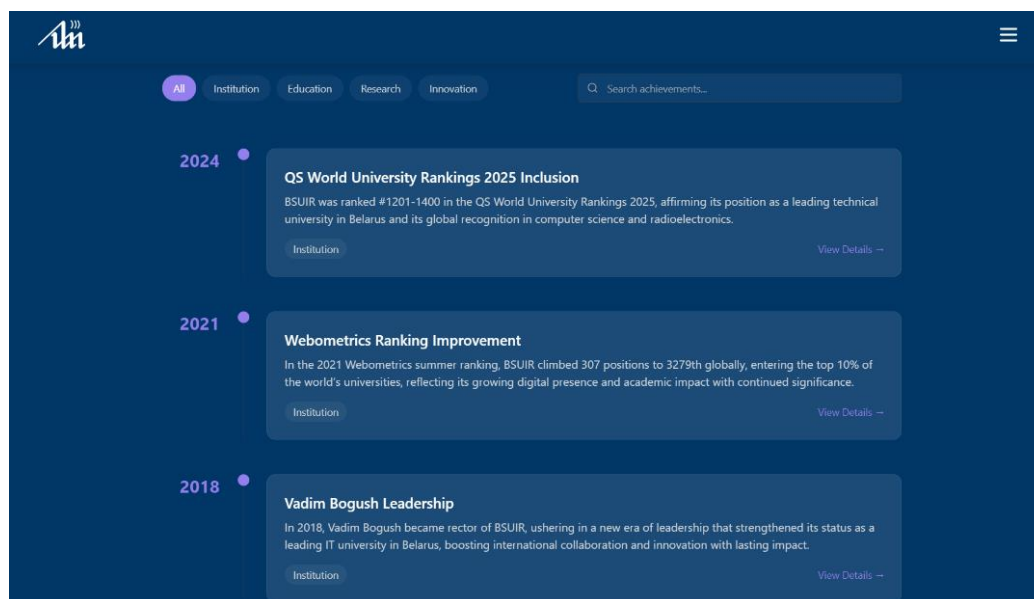
Figure 1 – Time-line of the key events

Important stages in development of the educational institution are achievements in the field of science. Another sub-theme of the online platform is to provide information on this sector. For example, the platform reports about advances in scientific developments in aviation and medicine, highlighting jam-proof missile technology and its role in national innovation. Using new information technologies, the scientific sector is developing rapidly, so that it provides an opportunity to study different fields of sciences. The platform offers to browse the latest featured publications and interviews. In addition, it is possible to find interesting kinds of international collaborations that indicate the development of science beyond our county. Using information on achievements in this field, the importance of having a scientific sector becomes apparent: the role of the university in the scientific community is being developed.

The online platform of BSUIR has many advantages. Using accessible and simple to comprehend interface capabilities makes the online platform practical to use. The user can simply employ the website on any device: it adapted to different types of screens (mobile, tablet and desktop), which makes it multifunctional [4]. Convenience in action also create: clear navigation (user easily refers to the main menu and selects a section of interest), sorting subtopics in the timeline (providing selection of an interesting section of the event), the ability to enter search data, the context main menu with central sections. In addition, the data filtering allows to find the information of interest to the user, which helps save time and thus the process of study becomes more efficient and student-centered.

Another important advantage of the platform is technology development: using TypeScript and React library. Splitting the interface into smaller components affects the structure of the code and readability. Components can also be reused in different parts of the code, which helps to reduce project development time quickly. Moreover, the platform's development technology provides opportunities to use website on several mobile operating systems such as Android and IOS. It allows many users to access the platform. Therefore, the project becomes public: it can be used by almost every person.

Special attention is given to the development of articles in the timeline. Each of the articles presented on the platform is a TSX-spread and stored in a separate file. Using dynamic import and React library capabilities, articles are uploaded to the event page as needed. This approach optimizes performance by loading content on-demand, which is widely promoted in modern web development. The article's introductory example is represented in Figure 2.
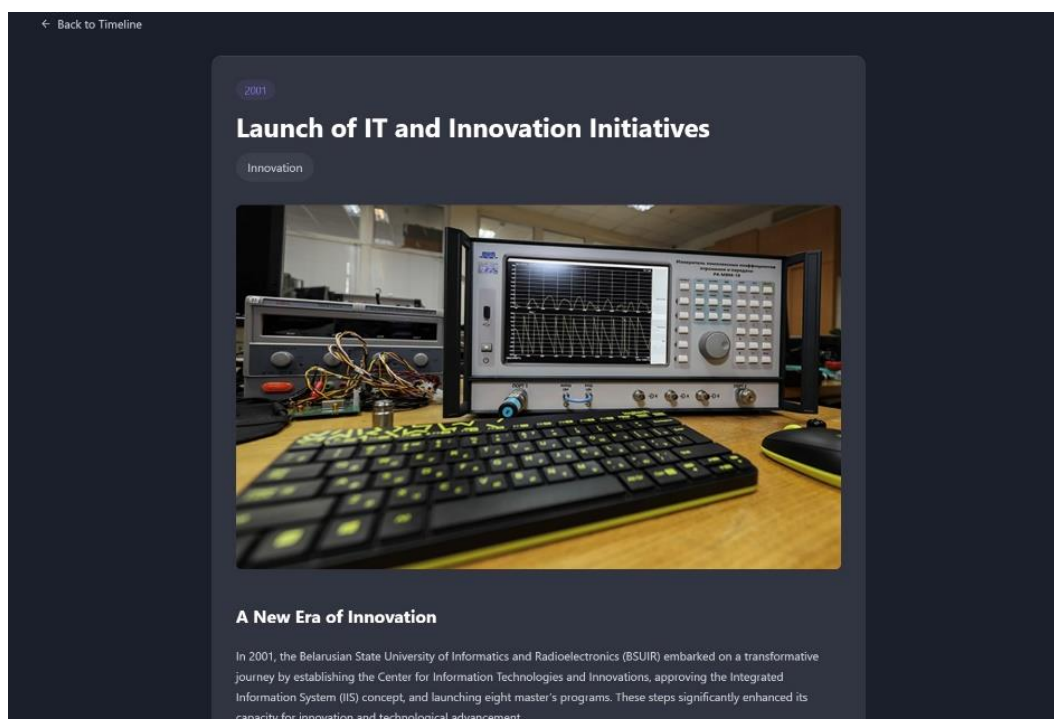
Figure 2 – Introductory section of the article

The result of the platform's work is to preserve the heritage of the university. During the rapid development of the information world, data can be lost. The ability to store and transmit data to future generations determines the purpose of this project. The presence of various facts, description of events of the past, creation of a new history and development of the university are the legacy that is valuable in the modern world.

Conclusion. Analysis of the functional work of the platform was determined during the study of the structure, possibilities and ways to provide information in the network. The advantages of online platform in the context of preservation and transfer of the university heritage were identified [5]. They include creating archives of events, achievements and statistics. The key features of using online platforms and information technology have been identified.

Prioritizing a user-friendly design that allows easy navigation through different eras of BSUIR's history the online platform for storing and presenting the history of the Belarusian State University of Informatics and Radioelectronics (BSUIR) can have a significant impact on preserving its legacy and enhancing engagement with current and future students, faculties, and the broader communities. Ensuring compatibility with mobile devices increases its accessibility. Rich multimedia content and interactive features might enable alumni and current students to contribute stories, photos, or documents, fostering a sense of community and involvement. A platform of that kind ensures that historical data of the university is stored securely, backed up regularly and remains accessible over time.

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