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## **ОПТИКО-ЭЛЕКТРОННЫЕ ПРИБОРЫ И УСТРОЙСТВА В СИСТЕМАХ РАСПОЗНАВАНИЯ ОБРАЗОВ И ОБРАБОТКИ ИЗОБРАЖЕНИЙ**

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## **CONCEPTUAL MODEL OF INTELLECTUALIZATION OF NATIONAL INFORMATION SYSTEM "SCIENTIFIC PERSONNEL"**

The article proposed a conceptual model for the intellectualization of the existing "Scientific personnel" national information system.

### **Introduction**

Information systems are used as a tool in planning and managing the organization's activities, obtaining useful information, collecting, processing, storing, searching and analyzing information for various purposes, and providing support to executives in making decisions [1-3]. In cooperation with the Ministry of Education of the Republic of Azerbaijan and the Azerbaijan National Academy of Sciences, a single electronic information system was created, which enables the creation of a database on scientific personnel and their activities across the country, providing access to this information, conducting statistical analyzes and presenting various reports. The created National Information System "Scientific Personnel" (EKMIS) is important for predicting, determining the future strategic goals of scientific institutions, higher education institutions, and speeding up processes, and is useful in the decision-making process. The study purpose is to expand the functional capabilities of EKMIS and to include certain intellectual components in the system. A conceptual model was proposed for this.

### **The proposed approach**

The general structure diagram of the proposed approach is given in figure. As can be seen from the scheme, the components designed for system improvement are "Intellectual components" and "Integration with other information systems" blocks. In these blocks, using the methods of intellectual analysis of information about scientific personnel, monitoring and intellectual analyzes and assessments at macro, meso and micro levels according to various parameters, publishing activity and ratings of scientific personnel, determining trends, dynamics over the years, giving forecasts, etc. issues are considered.

It should be noted that there are various purpose systems integrated into the electronic state platform that contains information about human resources across the country. EKMIS is also intended to be integrated into that platform. The integration with other systems will be realized with service software.

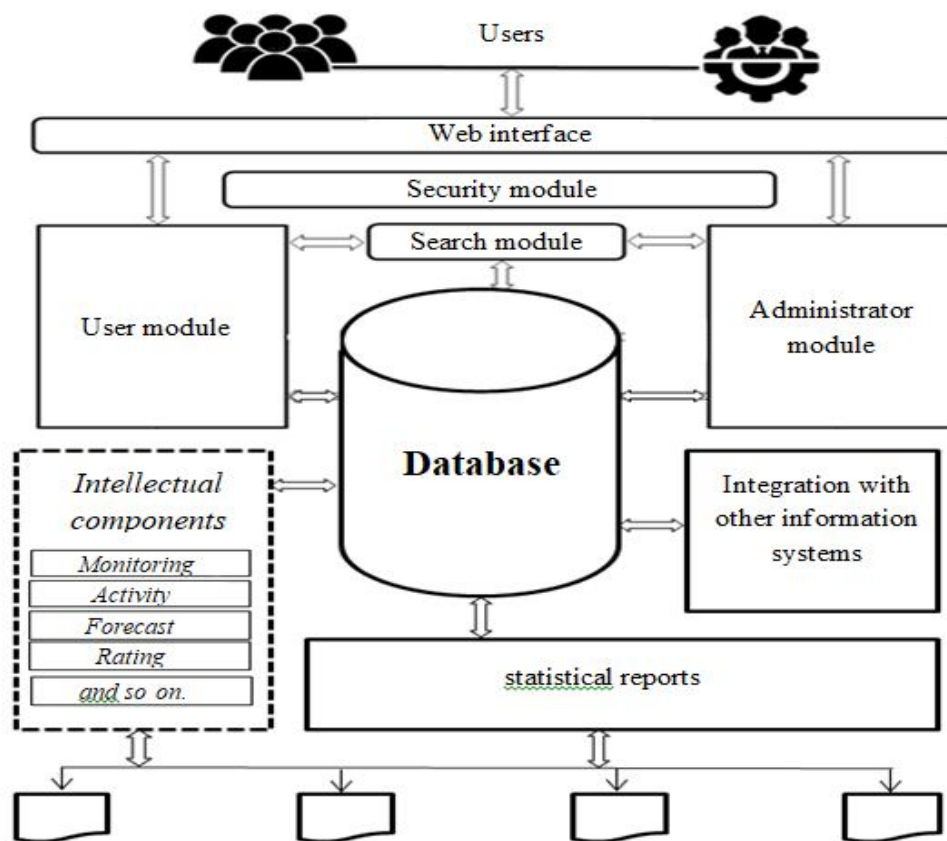


Fig. General structure diagram of the "Scientific personnel" national information system

## Result

Collecting information about intellectual potential in the context of the entire population in the country, classifying them, controlling and monitoring the country's intellectual potential, evaluating it according to various indicators, its dynamics over the years, forecasting, etc. issues are important.

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