

Methods of Forming A Rating and Creating a Artificial Intellect System of Monitoring on Scientific Activity

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Annotation: If we look at the example of online monitoring of teacher ratings in the article, we can say that to date, there are very few online teacher software tools. Taking into account this requirement, a simulator with a clear and user-friendly interface will be developed among professors and teachers, including students and teachers of higher educations. For the formation of this rating system and the design of the simulator, special attention is paid to the allocation of resources in 4 modules. There are the formations of monitoring, calculation of ratings on special and standard scales, filtering reports and improving mechanisms.

Keywords: Resource formation, simulator, module, monitoring formation, custom scale, online processing, registration.

The creation and demand for software products is growing day by day, and our audience and sphere of influence is expanding. Given the fact that young people, professors and researchers working or studying in various fields are working with great interest and views, it is true that nor is it difficult to understand how enormous is the issue. There are international systems available today, but we do not have a national and local monitoring system, and there is a growing need for it, and their study and use is expanding. However, the simplicity and convenience of this system, as well as the fact that it does not require courses to learn to work and does not require special knowledge or special training, indicate the high need for such software [1].

Artificial intelligence is a separate branch of computer science that deals with the creation of computer systems with the capabilities of the human mind: language comprehension, teaching, discussion, problem solving, translation, and so on. Today, artificial intelligence consists of algorithms and software systems designed to perform a variety of tasks, and it can perform a number of tasks that the human mind can perform.

Artificial intelligence allows computers to study their own experiences, adapt to given parameters, and perform tasks previously only possible for humans. In many cases of SI implementation - from computer chess players to unmanned vehicles - the ability to learn deeply and process natural languages is crucial. Thanks to these technologies, computers can be "trained" to perform certain tasks by processing large amounts of data and identifying patterns in them.

The first research in the field of artificial intelligence, which began in the 50s of the last century, was aimed at solving problems and developing symbolic computing systems. In the 1960s, the U.S. Department of Defense sparked interest in the field: the U.S. military began training computers to simulate human mental activity.

In this regard, the Law "On Science and Scientific Activity" and the Presidential Decree No. 1.11.2017 "On measures to further strengthen the infrastructure of research institutions and the development of innovative activities" PQ-3365 -2. [2]

The adopted document approved the Regulation on the procedure for determining the rating of scientific organizations. The Ministry of Innovative Development is responsible for shaping this system. It has the following responsibilities:

- formation of a database describing the level of research and innovation activities of scientific organizations, the quality of research work, the results of scientific and innovative activities;
- annual ranking of scientific organizations;
- provide practical assistance in the inclusion of national research organizations in the ranking of the world's leading research centers;
- there are tasks to develop a system that includes specific proposals for improving the quality of research and innovation. [3]

If we look at the example of teaching the system of monitoring the scientific potential of professors and teachers , we can say that to date, there are very few software tools that can be used through the online platform. Therefore, another important task for today's education system is the need to create a programming or platform for young people using a variety of sources, primarily the Internet and mobile phones. The task of creating and hosting this online platform is to train interested parties to become members and to be able to receive information from those that can be used effectively. They must also be able to evaluate the quality and reliability of any information, be able to use it correctly, be selective, and learn to be critical of each piece of information. However, developed it is important that the platform is inextricably linked with the scientific potential and scientific work of the professor-teacher, that all the information is gathered in one place .

Determining the scientific potential of the professor, is designed for use in the form of a web application, which allows any user to work on this system in the area where the Internet is available at any time. In this online platform, each module, each of them in an unrestricted method, encourages the user, the professor, to work in a supervised and effective manner in the form of a teacher and academic staff member or administrator.

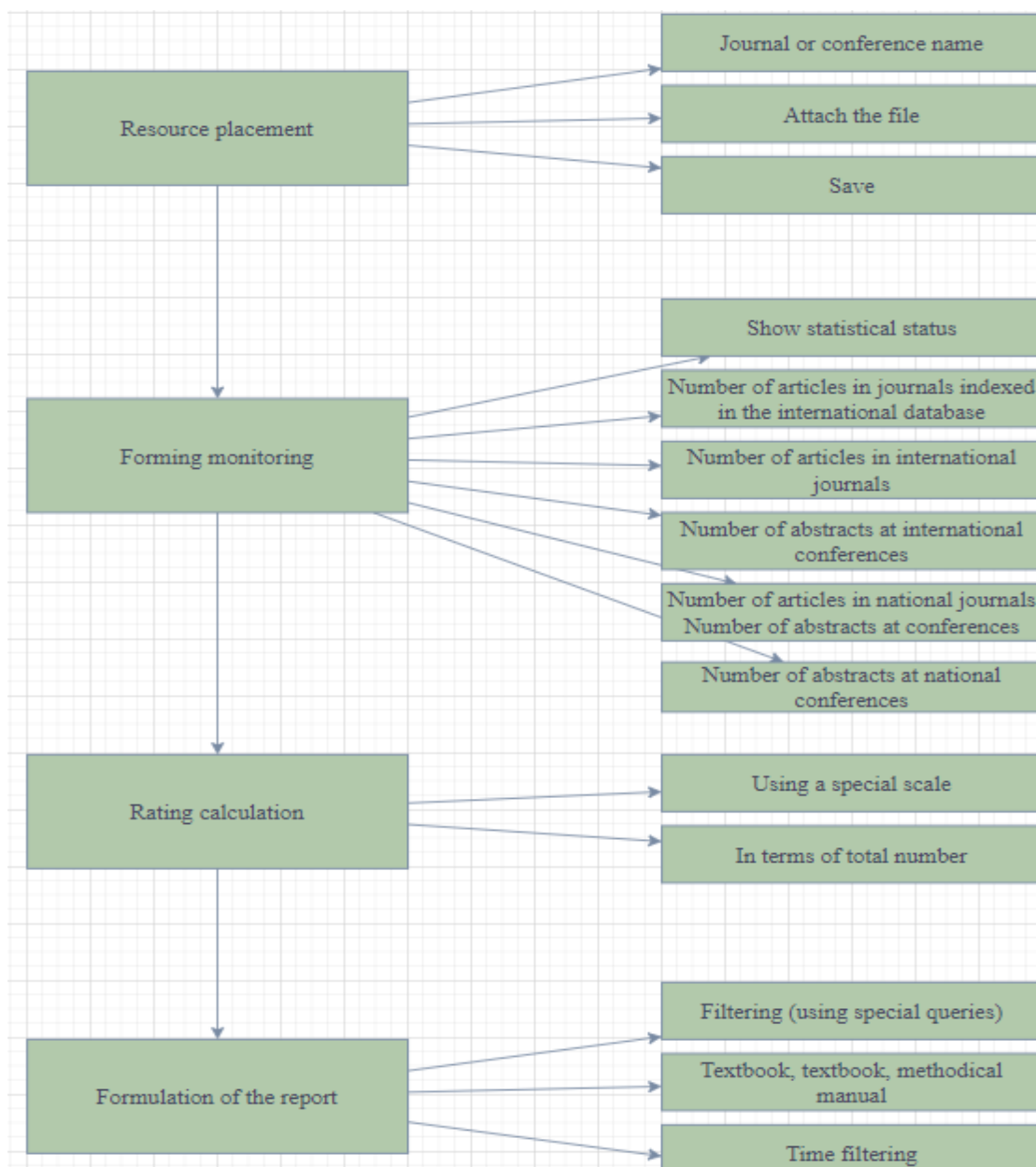


Figure 1. The scheme of formation and monitoring of the scientific rating of professors-teachers .

Development of a systematic algorithm and software for the formation and monitoring of the scientific rating of professors and teachers, and the design of its simulator in the scheme of Figure 1., to improve the filtering and mechanisms of reports and develop its mechanisms , as well as a model based on this simulator, as well as a user- friendly window to click on the report button, and a report and monitoring system without leaving a single interface window. It will also be possible to view the results, print and analyze the data.

The program also has an access part, ie a registration part, which generates an authorization login password for the user, which allows the user to work on the platform by logging in with a single login password and save their data in the system database. It is possible to continue the process from where it stopped, the main criterion is that the reporting is done through a system of thinking, that is, all the information of the user, the professor, is constantly displayed in numerical form. The user will be able

to save a copy of the information in his account to any other useful place through a hyperlink or use it to send it somewhere. [4]

In conclusion, this system has the ability to mentally monitor the scientific ratings of professors and teachers, to facilitate the flow of documents, to save time, as well as to use the necessary resources in the information space. This will enable them to objectively assess the effectiveness of the use of various resources and make the right decisions, and will serve as a modern professional with a deep understanding of international standards.

References

1. Augustin, S., & Andreae, H. (Eds.). (1998). Cause-Effect-Interrelations in Forest Condition - State of Knowledge. Study elaborated for the UN / ECE ICP Forests under the auspices of the Convention on Long-Range Transboundary Air Pollution. Hamburg: BFH.
2. Khimmatov IQ "Development of pedagogical software " educational-methodical manual Samarkand. SamDU 2020. - 97 p.
3. Akhatov A., Nazarov F. Rashidov A. Mechanisms of Information Reliability In big data and Blockchain Technologies. International conference on information science and communications technologies. 4,5,6 November. ICISCT 2021(IEEE), art. no. 9670052 DOI: 10.1109/ICISCT52966.2021.9670052.
4. Zaynidinov H.N, Yusupov I, Juraev J.U, Dhananjay Singh. Digital processing of blood image using two-dimensioned haar wavelets // Intelligent Human Computer Interaction. Korea, 2020 P. 83-95. №1.