

Theme of the Graduation Thesis: “Modeling of the intellectual system of identification of personal characteristics of a potential employee”

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Relevance of the research topic: the software product is an individual project in the form of an intelligent automated system for determining the type of personality, which can be used instead of an expert psychologist to perform this function. This significantly facilitates the employees and management of organizations, makes the decision-making process regarding the employee effective.

Objective: to develop a prototype of an intelligent automated system for determining the type of person for further use of this data by human resources departments of various companies.

Tasks:

1. To study the development processes of intelligent automated systems.
2. To study the tools for creating intelligent systems.
3. To analyze the problem of determining the type of personality.
4. Run the software implementation of the prototype intelligent automated system.
5. To determine the economic effect of the introduction of an intelligent automated system for determining the type of person.

The theoretical significance of the work lies in the fact that the material contained in it provides all the necessary information for the creation of such intelligent automated systems.

The practical significance of the work lies in the fact that the developed intelligent automated system can be implemented in any area where the work of a psychologist in this vein is required.

Results of the research: the developed software product “Aurora” automated personality type determination system, which contains two modules: a testing module and an archive module.

The system allows you to:

1. Determine the personality type of the person being tested, followed by a description of this type.
2. View the data of users who have passed the test.
3. Analyze user data.

Recommendations: the system can be used in any type of organization. Thanks to the determination of the type of personality, it is possible to establish the compatibility of established types, to understand what conflicts may arise in the process of work. The system is able to simplify the work of the organization’s human resources department in questions of forming teams of employees, and, following from this, it reduces the number of possible conflict situations in the team.