DEVELOPMENT OF AN INFORMATION SYSTEM FOR EVALUATING THE WORK OF PRODUCTION EMPLOYEES BASED ON STATISTICAL ANALYSIS

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- 1. Introduction.
- 2. Delimitations of the Study & Professional Significance.
- 3. Theoretical part.
- 4. Methods.
- 5. Results review functional requirements.
- 6. Results review comparison of analogues.
- 7. Conclusion.

Objective: Development of an information system for evaluating the work of production employees based on statistical analysis.

Tasks:

- 1. To put forward reasonable requirements for the theoretical part of the developed system.
- 2. To analyze the existing solutions based on the requirements put forward by means of a literature review.
- 3. To describe the main methods that will correspond to the main stages of development, including the design and implementation of the application.
- 4. Implement and test a system that automates the process in question.

Delimitations of the Study

- 1. Fundamental theoretical part.
- 2. Design stage.
- 3. User interface.
- 4. Testing methods.

Professional Significance

- 1. Purely applied.
- 2. Identification of inefficient areas of production.
- 3. Universal tool for companies and executives.

Key provisions

- 1. Attendance criteria.
- 2. Separation of roles and responsibilities.
- 3. Relationship between job satisfaction and employee productivity.
- 4. Motivation.
- 5. Planning.

Methods

1. Search and analysis of analogues.

Collecting information from different sources in order to take into account the mistakes of others and preserve their advantages.

2. Graphic modeling and design.

Description of all processes, conceptual and graphical representation of the user interface.

3. Functional testing.

Performance evaluation of various modules and functions of the system.

Functional requirements

- 1. The ability to create a hierarchical structure of the organization, based on the principle "Leader subordinate".
- 2. The ability to keep statistics of key indicators for each employee.
- 3. Graphic display of trends in the growth and decline of the statistics of each employee. The ability of an employee to determine the trend of his production on the basis of a schedule.
- 4. The possibility of drawing up daily and weekly overall plans for the employee and their viewing by its leaders in a hierarchical structure.
- 5. The possibility of drawing up daily and weekly quantitative plans for the employee, which he will have to achieve and view them by their leaders in a hierarchical structure.

	Redmine	JIRA	Trello
Organization hierarchy	+	-	-
Employee key performance statistics	-	-	-
Graphic display of statistics changes	-	-	-
Drawing up daily and / or weekly general plans	+	+	+
Drawing up daily and / or weekly quantitative plans	-	-	-
Free use	+	+	+
Versatility	+	+	+

Have been completed

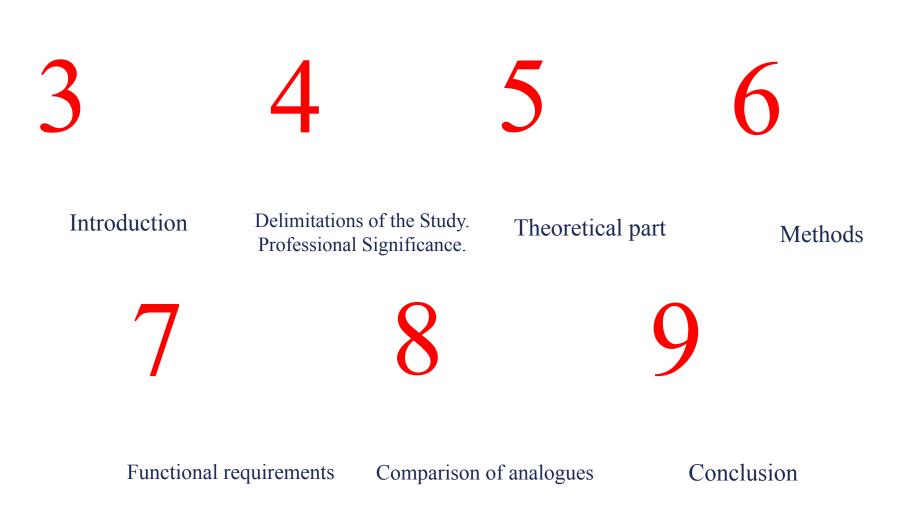
- 1. Theoretical part and functional requirements.
- 2. Comparison of analogues.

Next stages

- 1. Design stage.
- 2. Coding.
- 3. Testing.

Anticipated results

Simple and affordable application tool for organization leading to prosperity and expansion.



Thanks for your attention!

I'll be happy to answer your questions.

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