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TECHNOLOGY DEVELOPMENT OF REQUIREMENTS FOR THE MAINTENANCE OF SOFTWARE PRODUCTS

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Abstract

The result-oriented means of evaluating the effectiveness of developed systems are aimed at the sustainable functioning of enterprises. The consistent application of such means enhances the operational capacity of the organization. Identifying deficiencies at early stages, which lead to inefficiency, reduces the financial losses of the enterprise. However, the methodological toolkit used over various periods of time of varying durations carries a contradictory nature.

Key words: *needs, conflict, wisdom, framework, algorithm, data, value.*

1. Introduction

The use of system engineering to increase productivity and prevent the effect of commoditization is integral to this study [1, 2]. Utilizing a comprehensive framework, we aim to bridge the gap between technological advancement and user needs, thereby enhancing software product maintenance. By integrating algorithms and data-driven approaches, we seek to uncover valuable insights essential for addressing conflicts and achieving strategic goals in software development. Additionally, there are multiple methods for forming the goal of software product development [3, 4]. The problem under study revolves around the assertion that 'It is impossible to ensure effective product improvement in conditions of only technological orientation".

2. General

Based on the identified problem, the *object* of the current research is a tool that makes it possible to understand how to find the weakness of the system. Subject of the study is the use of high-level specifications that synchronize market requirements and industry proposals prevents the spread of the commoditization effect.

The aim of the research is focused on developing a procedure that ensures the exploration of methods to preserve the uniqueness of the product.

In accordance with the formulated aim, the following tasks were set:

− To reveal the effect of commoditization through the use of high-level specifications [2].

− To develop an algorithm for resolving the commoditization effect.

− Identify weakness in the system that cause dissatisfaction with the product users [5].

− To propose an approach for designing the target indicator of the system.

Taking into account the formulated tasks, a set of recommendations has been developed for utilizing high-level specifications. Their application enables the implementation of the developed procedure for improving ROI calculation technology.

3. Conclusions

The practical value of the research lies in the fact that the proposed approach necessitated refinement of the ROI technology. Specifically, the system identified parameters were monitored, including determining measurement ranges. Consequently, it will be necessary to implement coordination of functions at the level of individual departments.

The scientific novelty of the research lies in the development of a comprehensive document containing instructions aimed at improving the effectiveness of decisions by addressing the shortcomings of the initial version of the management system.

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