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A REVIEW OF ESTIMATION OF SOFTWARE PRODUCTS DEVELOPMENT COSTS

Abstract

In the modern business and management of business processes, the standardization of procedures allows the creation of added value, increasing competitiveness and success in business of an organization. Evaluation of the budget for software development is crucial to the success of an IT project, because the inability to make a realistic assessment leads to bad project plans, customer dissatisfaction, poor quality of software products, and reduced profits. In order to minimize such situations as much as possible, making accurate and reliable software cost estimation should be carried out at all stages of the project life cycle. Although, so far, there have been published hundreds of research article focusing on the application of different methods of budget estimates of the product, there is no comprehensive review of the current situation or review of research trends in the budget estimates of the software product. This paper aims to create a framework for estimation of costs of development software products by providing  an overview of the most influential researches, the most influential articles published in WoS database, the most used keywords in searching the articles, as well as review of the estimation techniques used in budget estimates of the software product.

**Keywords:** Software cost estimation, software cost prediction, keyword analysis, estimation techniques

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