RELATIVE ANALYSIS OF SOFTWARE COST AND EFFORT ESTIMATION TECHNIQUES

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ABSTRACT

Software effort estimation is a very critical task in the software engineering and to control quality and efficiency a suitable estimation technique is crucial. This paper gives a comparative analysis of various available software effort estimation techniques. These techniques can be widely categorised under algorithmic model, non-algorithmic model, parametric model, and machine learning models. The use of a model that accurately calculates the cost and effort of developing a software product can be a key to the success of whole development project. This paper presents a detailed analysis of several existing methods for software cost estimation. No single technique is best for all situations, and thus a careful comparison of the results of several approaches is most likely to produce realistic estimate.

KEYWORDS: Software Cost Estimation, Delphi, Software Effort Estimation, COCOMO, Parametric Model, Machine Learning