Selection of SDM: A Fuzzy AHP Approach

Abstract

When developing software, the selection of an appropriate software development methodology (SDM) is an essential decision. There are many SDM exist that are used to control the process of developing a software process. No exact system was found which could guide software engineers for selection of a proper methodology during software development. This paper show factor affecting the selection of SDM and the consistency in which the methodology selection carried out. Based on Fuzzy AHP, we evaluate the consistency in SDM selection. This paper presents a framework of Fuzzy AHP approach for selection of three different SDM with their three conflicting selecting criteria alternatives.

References

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**Index Terms**

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**Keywords**

Fuzzy analytical hierarchy process (FAHP), Software development methodology