Abstract

Software Quality models have been proposed to evaluate general and definite type of software products. These models were proposed to evaluate scope of software product. There has been an increasing interest in recent times for using Multi Criteria Decision making techniques to present the comparison of Software Quality models. Earlier Analytic Hierarchy Process (AHP) has been used by researchers. The use of Fuzzy Prioritization Method for this offers several advantages when compared to other commonly used techniques. In Fuzzy Analytic Hierarchy Process elements of the group pairwise comparison matrices are presented as fuzzy numbers in order to model uncertainty and imprecision in the Decision Maker’s (DM) judgments. In this paper Fuzzy AHP is concluded with study of selection of Software Quality model.

References

Fuzzy Multi Criteria Approach for Selecting Software Quality Model

- F. Ozgur Catak, Servet Karabas, Serkan Yildirim, "Fuzzy Analytic Hierarchy Based DBMS Selection in Turkish National Identity Card management project", IJIS vol. 2, no. 4, July 2012
Index Terms

Computer Science

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Keywords

Software Quality Models  Multi-Criteria Decision Making  Analytic Hierarchy Process  Fuzzy AHP

McCall Model

Boehm's Model

ISO9126 Model