

REAL TIME ANALYSIS OF SOFTWARE ASSESSMENT OF RECYCLING PRODUCTS

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ABSTRACT

Generally the recycling process represents the last phase of developing process of any product. There is a need to analyze the recycle product in real time environment using the unique software for any recycling equipments. The developed software can be realized into seven hierarchical criteria and a mathematical model is proposed depending on the defined criteria. This paper discuss about market validation of recycled equipments with its software on real time basis. So a new model for market validation of device for recycling is proposed. Linguistic expressions are defined in this paper to find the values of the factors derived and thereby to solve any uncertainties in the event of analysis. These linguistic variables are modeled using Fuzzy logic i.e. triangular fuzzy numbers. The proposed fuzzy theorem on validation can be considered as reference for different recycled equipments and can formulate a benchmark for successful validation and marketing.

KEYWORDS: *Recycling, Uncertainty, Fuzzy Logic and Linguistic Expression*