

Development of a Diagnostic System of Taxonomies Using Fuzzy Logic – Case SOLO (useful for e-learning system)

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Abstract: - The modeling of diagnostic systems of taxonomies using fuzzy logic is presented in this paper. Specifically the taxonomies system solo is studied, which that can be applied in a wide range of fields of diagnostic science. The intelligent system that is developed based on the presented modeling can make easier the use of diagnostic systems in education since the test correction is extremely hard and demands experts that are not always available. Additionally, the rate of the extraction of results is a reason for using and distributing such tools (diagnostic systems) in the educational process. It is very useful for e-learning systems [1], [6], and distance diagnostics systems.