Abstract

The technological advancement is rapid and dynamic. In a small amount of time there are various changes to be made. With change in time there are different trends. In order to help people new techniques, methods are being developed day by day. In an organization or different fields there are various rules that should be followed. The rules are also called as constraints. The constraints can be classified as hard and soft rules/constraints. Some of the rules are very critical and should be followed strictly and these type of rules are called as hard, while there are some rules which are not to be followed or satisfied strictly and they specify the working of an organization are called as soft constraints.

In order to achieve this a method that can be utilised and is known as Rule Engine. The term Rule Engine is quite ambiguous in that it can be any system that uses rules, in any form that can be applied to data to produce outcomes.
2. “A Rule-Based Inference Engine which is Optimal and VLSI Implementable.”
4. “Research of dynamic rule engine in financial management software”, Bing Xu; Shi-yi, IEEE 2008
5. Thong Chee Ling; Yu Dian Gong. “A knowledge-based tool in facilitating course exemption process for institution of higher learning”, IEEE 2011

**Index Terms**

Computer Science  
Applied Sciences

**Keywords**

Rule Engine, Inference Engine, Knowledge Representation Model