Implementation of Decision Support System with Multi-Agent System by using Analytic Hierarchy Process (AHP)

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Abstract

An innovative, cost-effective service, Advanced Medical Reviews is setting the standard for providing high quality, prompt concurrent medical necessily, retrospective and readmission reviews with emphasis on getting the appropriate admission status. We propose a Decision Support System (DSS) for member based on member's preferences by using AHP (Analytical Hierarchy Process) displaying total score based on Multi-Agent System. DSSs serve the management, operations, and planning levels of an organization and help to make decisions, which may be rapidly changing and not easily specified in advance. The system cooperate the top hospital nearly the same of user preferences and focus on decidion making for member based on Multi-agent (Initioator, Coordinator, Negotiation, Search) system. This System is implemented as Java Web Application and developed in Tomcat and Internet Exploer is used as a browser.