Educational Supervisory System based on Intelligent Multi-Agents

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Abstract

This research has focused on studying The Educational Multi-agent System extensively to solve the problems of following up the daily performance of the student in relation to school activities and evaluation. The proposed system consists of four agents: Interface Agent, Data Management Agent, Supervisory Agent and Communication Agent. They are connected with each other by Agent Communication Language (ACL) including Knowledge Query and Manipulation Language (KQML). This system has been applied to a primary school with respect to the students of first, second and third grades. The proposed system improves the communication process between the school staff and parents that occurs an improvement of the scores obtained by these students and in a way that raised the performance rate by teachers and students.

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Index Terms

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Keywords

Multi-Agen System (MAS), agents, supervision system, Agent Communication Language (ACL), Knowledgebase, Knowledge Query and Manipulation Language (KQML), intelligent agent.