عنوان مقاله:

Personal Planning Using Multi-Agent Systems

محل انتشار:

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خلاصه مقاله:

Today everybody knows of time value and its maximum exploitation, So it is better to use it optimally And this is possible through planning and correct assignment of time to daily activities. Planning process is encountered with a large number of related and effective variables on plan procedure, in other hand, with sophisticated and passive nature of user. Based on these conditions, using multi-agent systems would be a proper choice to solve this issue because, not only the problem can be separated into independent and related sub-problems, but alsoagents are the closest programming structures to interact with sophisticated nature of user. This research introduces a multi-agent system for personal planning in short-term and long-term perspective. The most important features of this research are:- Personalizing and adapting plan based on user activities. - Modifying patterns of user habits and recommending methods for promoting user productivity. - Concurrently, considering time of job doing and daily energy of each user in planning procedure. Proposed system is evaluated for a 15 people statistical population during 90 days. Results showed a 2.8% improvement for average daily energy and a 3.6% increase for the score of life balance inventory.

کلمات کلیدی:

energy, habit, multi-agent systems, personalization,planning, time management

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