

## **A Rational Intelligent Agent to Promote Metacognition a Situation of Text Comprehension**

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**Abstract :** This article presents the results of a doctoral research which aims to integrate metacognitive dimension in the design of human learning computing environments (ILE). We conducted a detailed study on the relationship between metacognitive processes and learning, specifically their positive impact on the performance of learners in the area of reading comprehension. Our contribution is to implement methods, using an intelligent agent based on BDI paradigm to ensure intelligent and reliable support for low readers, in order to encourage regulation and a conscious and rational use of their metacognitive abilities.

**Keywords :** metacognition, text comprehension EIAH, autoregulation, BDI agent

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