Supporting Students’ Learning of Logistics through the Application of Artificial Intelligence

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On-going research is presented, in which the aim is to apply artificial methods to a computer-based multimedia approach for assisting the learning of logistics. Logistics is the science of planning, control, and supervision of materials, personnel, energy, and information flows in systems. Education in logistics involves the learning of both declarative knowledge, about logistics, and also procedural knowledge of how to formulate, analyse and solve logistics problems. The application of information technology support for learning logistics concepts and methods has already been developed in the form of an interactive multimedia system. The potential for the application of artificial intelligence in providing more effective student guidance in interactive student learning is being investigated, using, as a basis, the current logistics learning system. A specific aim is to provide more meaningful student feedback. The research provides an opportunity for investigating a combination of intelligent tutoring and interactive learning approaches to support the learning of practical problem solving skills.