

An Overview of Adaptive E-Learning Systems

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Abstract: *There are a number of different ways to implement adaptive e-learning systems. One common approach is to use a learner model to track the learner's progress and identify their strengths and weaknesses. The learner model can then be used to select appropriate content, provide personalized feedback, or adjust the difficulty of the material. Another approach is to use adaptive navigation, which allows learners to choose their own path through the learning material. This can be based on the learner's interests, prior knowledge, or learning style. Adaptive e-learning systems are a promising new technology that has the potential to improve learning outcomes. However, there are a number of challenges that need to be addressed before adaptive e-learning systems can be widely adopted. One challenge is the cost of developing and implementing adaptive e-learning systems.*

Keywords: Adaptive learning, e-learning, context parameters, learner characteristics, intelligent tutoring systems, adaptive hypermedia systems.

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