Abstract

Educational Data Mining EDM is an emerging discipline. It concerned with extracting useful information from large educational data. It serves education improving by presenting information to facilitate the process of decision making. EDM has many methods and applications the context of e-learning. Gamification is the process of using mechanics and dynamics of games onto non-game context to promote the desired behavior. An emerging type of learning method is the adaptive e-learning. This paper discusses the state of the art of EDM and gamification methods to build adaptive e-learning system.

References


**Index Terms**

Computer Science

Information Sciences

**Keywords**

E-learning, Learning Management System, Educational Data Mining, Knowledge Discovery in Databases, Gamification, Adaptive E-Learning.