Abstract

We live in a society in which information and communications technologies (ICT) are becoming a driving force for its development. E-learning is obviously a part of this. The basic thought for creation of an adaptive e-learning environment is respecting and supporting differing learning styles of students, by which it is then possible to prepare a learning environment that is more effective, with enhanced user-friendliness and quality. This paper describes a draft adaptive education model and the results of the first part of the solution – definition of learning styles, pilot testing on students and an outline of further research in the area of teaching styles of teachers.

1. Introduction

It is said of e-learning that every student may select a place, time and form of education which best suits him/her. We will try to advance this thought and focus on the method and form of how course curriculum is presented to students. Are today’s e-courses flexible towards various types of students?

E-learning in the wider sense means an educational process. It describes and resolves the creation, distribution, management of education and feedback on the basis of electronic courses (“e-courses”). We will focus on the form of e-courses for the purposes of individual education. Proposals for individual learning and teaching are generally subject to two basic individualizing principles:

1. the principle of managed teaching