

BACKGROUND

In 1983 Howard Gardner proposed a theory of multiple intelligences, assuming that people have several kinds of "intelligences":

I define an intelligence as a biological potential To process specific forms of information in certain kinds of ways. Human being have evolved diverse information-processing capabilities - I term these "intelligences" - that allow them to solve problems or to fashion products.

It is possible to map the broad range of abilities that humans possess by grouping their capabilities into eight comprehensive "intelligences".

- Verbal-linguistic intelligence. Well-developed verbal skills and sensitivity to the sounds, meanings and rhythms of words.
- Logical-mathematical intelligence. Ability to think conceptually and abstractly, and capacity to discern logical or numerical patterns.
- Visual-spatial intelligence. The ability to perceive the visual-spatial world accurately and to perform transformations on those perceptions.
- Bodily-kinesthetic intelligence. Expertise in using one's whole body to express ideas and feelings and facility in using one's hands to produce or transform things.
- Musical intelligence. The capacity to perceive, discriminate, transform and express musical forms.
- Interpersonal intelligence. The ability to perceive and make distinctions in the moods, intentions, motivations and feelings of other people.
- Intrapersonal intelligence. Self-knowledge and the ability to act adaptively on the basis of that knowledge.
- Naturalist intelligence. Expertise in the recognition and classification of the numerous species of an individual's.

RATIONALE

E-learning has changed the way people learn dramatically (this concerns both vocational and educational training), however it seems that content developers and software vendors continue to ignore arising problems - a considerable higher drop-out rate, lower effectiveness and satisfaction in case of e-learning programs compared to traditional ones. The literature review and needs analysis indicated that this might result from the lack of user-centric, personalized approach.

The project main goal is overcome these problems, which are seen by many researchers as major e-learning weaknesses.

This objective can be accomplished due to a shift from technology to learner oriented solutions and the focus on human potential and abilities. This shift requires psychological approach, where Multiple Intelligences theory (MI) developed by Howard Gardner can be a good start point, since this theory has been used successfully in traditional education.

It takes advantage of human potential and abilities and therefore it could increase dramatically the effectiveness of e-learning. Up to now no working solutions are developed in this area nor are implementations of testing attempts - this is crucial for the innovativeness of this project.

INVITATION

Within the scope of the project we will carry out a research (October - December 2005). We would like to invite volunteers from various European countries to participate in an e-learning course on project management. The course will be based on the guidelines issued by the International Project Management Association.

Successful candidates will be given an opportunity to collaborate in an international environment and will have a chance to obtain a university certificate. Throughout the course we will analyze the behaviour and learning preferences of the participants. This data will enable us to work out a model for more effective and user-oriented e-learning programs. To receive up-to-date information on this opportunity please subscribe the newsletter available at our website.

PROJECT OBJECTIVES

The project includes a research phase focused on analysing individual MI profile in the context of learning and job preferences. Research results will be used to develop a model for the application of MI theory in e-learning and other application areas. Therefore the project objectives are as follows:

- Development of a model for efficient MI theory application in e-learning. The emphasis will be put on developing such a model that could be cost-effectively implemented on the basis of existing solutions. This model will be put into practice within the course of the project for evaluation purposes.
- Development of online self-assessment tools for MI profile. Knowing own potential and abilities would help people to identify optimally suited jobs. On the other hand this tool, accompanied by a guidebook could help e.g. HR managers to determine optimal career path and further training decisions in case of employees.
- Development of a model for MI application into Internet search engines. Implementation of this model could increase the accuracy of search engines, especially in case of browsing online libraries for educational materials.

THE TEAM



Throughout the high school years, students are growing increasingly determined to explore their uniqueness and assert an independent pathway into adult life. School is supposed to be full of hope, and it's a place where you go to find out how magical your mind is and how terrific it will be when you develop your mind to its full potential.

Joseph Dimartino, Brown University

Adopting the theory of multiple intelligence within e-learning can be a challenge for some of those intelligences (e.g. spatial, bodily-kinaesthetic), but should be quite useful for some others.

Random Walk in E-Learning

Individuals learn best in many different ways, sometimes using a variety of learning styles, but teachers and trainers may not always present information & learning experiences in the ways that Best suit you.

Support 4 Learning

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To find out more about the MIapp project, please visit our website and subscribe the newsletter

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Additional support:



THE APPLICATION OF MULTIPLE INTELLIGENCES THEORY TO INCREASE THE EFFECTIVENESS OF E-LEARNING, RECRUITMENT PRACTICES AND INTERNET SEARCH ENGINES

MIAPP

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Education and Culture

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