



March 7-10, 2011
Centro Stefano Franscini,
Ascona, Switzerland

red-conference PROCEEDINGS

rethinking education in
the knowledge society
international conference



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FULL PAPERS

red-conference

Modeling of individual-oriented teaching process and support of technology for adults

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Abstract : Adult education forms a part of the education system determined by all national and regional development needs, population structure, and abilities and interests of inhabitants. With the aim of getting a new perspective view on and understanding of what the future of adult education is, the study uses modern technological opportunities and basic theory of socionics. The accessibility of information and knowledge is essential together with a thirst for knowledge, perception skills and practical use of knowledge. The work with knowledge implies creation of content: generation of a new knowledge in order to stimulate the development of innovative processes.

Index Terms: adult education, technologies, training models, sustainable innovations, knowledge management

Introduction

Adults make up one of the three main education target groups where adult education forms and possibilities are quite diverse. The problem considered is the inefficient environment for the generation and use of knowledge in the adult training system as well as the ambiguous knowledge of individuals causing difficulties to make all knowledge reusable and accessible to everyone.

Goal of study: to develop and theoretically justify new adult training models for a more successful development of one's personality, using the latest technological opportunities.

The approach of adults to learning is very individual. Socionics is a new branch of practical psychology. It is a science dealing with the study of person's psyche from the moment information has been received, during the processing stage to its final transmission. Socionics also studies the person's character and the development of interpersonal relations which play an essential role in adult training. Establishing a link between socionics and adult education processes, it would be possible to help each person to find the most appropriate type of training, as well as to understand the causes of past mistakes and failures.

Method

The target audience is adults who in an interactive way, using the available technologies and prepared materials, acquire the necessary skills by distance learning.

To achieve the goal of the study, the following **methods were used**:

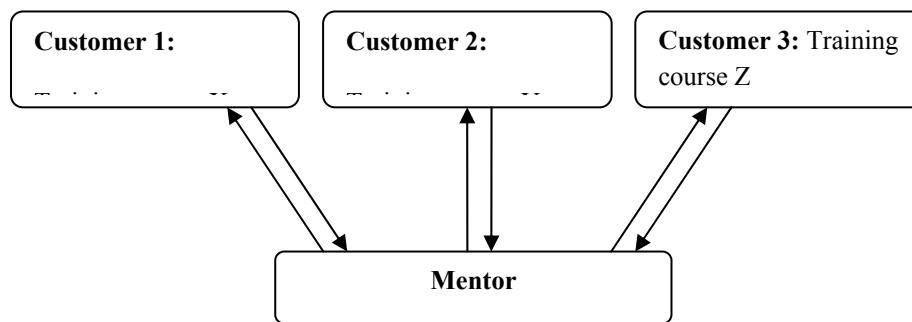
- Analysis of theoretical literature about life-long education, socionics, organization of education process, technological solutions and development prospects;
- Expert interviews to find out the key operation principles of an efficient e-learning system;
- Regional poll to obtain data about the availability of technologies and people's willingness to use the innovative learning system thus participating in the education process;
- Development of a model;

- Acquisition of statistical data carrying out a model simulation;
- Data processing using the chosen statistical methods;
- Analysis of results of statistical tests.

As a result of the work, an individual-oriented learning process model for adults will be obtained to stimulate acquisition of skills and knowledge.

E-learning model

Distance learning is a form of education characterized by specially structured educational materials suitable for self-education, individual learning pace, specially organized assessment of educational achievements suitable for self-education, and the use of various technical and electronic means of communication. Production (printing, video recording etc.) is performed by other specialists.



Picture 2 Effective e-learning model

Video lectures are considered good quality if they contain also practical tasks (simulations), detailed information video about the subject, self-control tests, etc. Each of participants can learn material at an individual pace.

Possible challenges

More and more problems are arising in connection with contents of information and individualized course thus it is very important to create good training programs. Careful attention must be devoted to:

- personality management, promoting the importance of socionics in educational processes;
- competence of academic personnel;
- facilitation of cooperation between educational institutions;
- regular updating of computer facilities and technologies;
- internet cost reduction; and
- promotion of international experience.

Analysis of the result

The transition from easy access of technologies to access of services and its coordination is especially important. A competitive personality will develop only through the implementation of sustainable education.

Educational benefits of attending the session

- Special learning aids developed for each particular training program;
- On the basis of presentation of learning material lies its:
- practical usability; and
- individual approach to different personality types.
- From the point of view of relations, motivation is all about achieving return from trainees, influencing them, as well as stimulating them to acquire various attitude and behavior models.

Conclusion

This is a moment when we have to be brave and active. People more than ever try to use a maximum of their skills and possibilities, be successful in their professional life or some other area creatively using their experience and knowledge; they are open to new opportunities and innovations.

Combining modern e-training with the analysis of person's character, behavior, thinking and action, it is possible to radically change our learning style, it can help inhabitants become more active and self-confident, thus becoming catalysts of the development of institutions. From the results of research and author's conclusions, it follows that the training system must more actively deal with the assessment, change and improvement of individual's skills and behavior, for it is a tool for raising inhabitants' satisfaction and the quality of life.

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