Abstract—Not the least factor, when launching the corporate training, is strategy determination. On the one hand, an educational institution has to follow the market and be able to satisfy the demands of corporate clients and companies. It is a so-called market adaptation. However, this approach implies a number of shortcomings. An excessive interest in market adaptation may lead to lop-sided development of training process: the educational institution turns into the mirror reflecting the corporation opinion and moulds its vision of the future only due to demands of the corporation. In contrast to that, there is an approach when the educational institution sends appropriate developmental directions independently, thereby taking the lead over corporations’ de mands and d e compititors. Such educational institution tends to excel in change, w hicch happen in the market, and to make the strategy satisfy future interests and demands of the corporation.

Traditional training is grounded on the disciplinary approach to training. However, today business faces complex problems which solution can be found in the joint efforts of disciplines and activities. Companies need multidisciplinary approaches to training. It is very important to keep the balance between conditional training with the disciplinary approaches to training in partnership for multidisciplinary programs.

This paper describes the example of corporate e-learning course for managers and top managers from a major telecommunications company. Each module is dedicated to a concrete interdisciplinary topic developed by a group of several teachers. Practical part of the module consists of s tudies developed on the company’s demand and methods of training coordinated with the company. This model implies more independence for the educational institution of training. The second model of corporate training is founded on an autonomous educational institution, which offers own training programs and methods of training developed independently of the company as well as training programs developed on the company’s demand and methods of training coordinated with the company. This model implies independence of the educational institution when developing training content and choosing method of training. The autonomous training institution may render services to several companies and corporations. Among institutions successfully using this model are Stanford University [1] and Deutsche Telekom Hft Leipzig.

When organizing corporate training, it is important to determine the strategy of training properly (Fig. 1). On the one hand, the educational institution has to follow the market and be able to satisfy the demands of corporate clients and companies. It is a so-called market adaptation.
Such approach is typical of the first model of corporate training. However, this approach implies a number of shortcomings. An excessive interest in market adaptation may lead to lop-sided development of training process: the educational institution turns into the mirror reflecting the corporation opinion and moulds its vision of the future only due to demands of the corporation.

When choosing the strategy, the only adaptation skill is not enough even if the company’s opinion is attentively considered. Peter Lorange states [2] that “it is very dangerous to amend the curriculum radically in response to another folly of the corporate management or change of market conditions (possibly temporary)”. In contrast to that, there can be an approach when the educational institution looks for relevant development strategies on its own leaving behind demands of the corporation and competitors. Such educational institution strives to be a leader in any changing preferences and to bring its strategy in conformity with future interests and requirements of the company. As Nirmalya Kumar and his colleagues deem [3], the educational institution has to become a pioneer in educational market. It is obvious that the leaders to meet in changing preferences are autonomous educational institutions, which have close corporate links with companies. It should be noted that the main point for the educational institution is to find a balance between adaptation and initiative and keep this balance. Thus the horizontal axis on Fig. 1 is called a direction of the balance search.

The development of balanced strategy of corporate training is considerably influenced by two forces. One force directed from below to upwards is a contribution of tutors from the educational institution to the development of strategy. Tutors’ knowledge, professional experience and scientific researches that they conduct form competences of the educational institution and influence the strategic development of the educational institution.

The forces directed from below to upwards are supplemented with a corporative view of the problem from on high and with instructions to change the strategy of corporate training. The vertical axis on Fig. 1 is called the curve of participants involved in the process (or forces influencing the development of corporate training). It is clear that in any point of time a real strategy of corporate training is a result of every factor’s alterations and interconnection of all interested parties. To keep a dynamic balance of their influences is a very important task.

The best balance of forces influencing the development of corporate training is achieved in the second model because the independent educational institution has certain autonomy from companies and corporations and it conducts full-scale scientific researches. The dashed line on Fig. 1 divides the space of existence of the first and second models of corporate training. It is necessary to emphasize that the border between these models’ spaces is not very accurate as it is showed on the picture. The border just underlines fundamental differences of the models.

Fig. 2 depicts the model of formation of methods and technologies of corporate training. The horizontal axis on Fig. 2, a defines the level of training’s interactivity: from a total lack of interaction in conventional lectures to the highest degree if interaction in partnership or cooperation.

Traditional training is grounded on the disciplinary approach to training. However, today business faces complex problems which solution can be found at the joints of disciplines and activities. Companies need multidisciplinary approaches to training. Today modern and successful training programs are not based on mastering of single subjects but designed in modules when activities of various tutors are coordinated to the most degree. The vertical axis on Fig. 2, a depicts the interactivity degree of training programs: from discrete single programs to multidisciplinary modules. On this figure a dashed line divides spaces that belong to this or that model of corporate training. As before, a well-defined balance between conventional training with a disciplinary approach and multidisciplinary training in partnership is very important.

The model of corporate training technologies is showed on Fig. 2, b. The horizontal axis on the figure points at the range of applicable pedagogic technologies: from a conventional in-class training with a teacher, as the main character in of training process, to network self-directed training, where the main object and subject of training is a trainee. The vertical axis on this figure depicts a range of applicable means of training process informatization: from a total lack of such means, when the main source of information is a teacher and a blackboard, to a complete set of information technologies: PC, multimedia, Web-servers and etc.

It is very important to develop modern training methods based on network technologies, in particular, internet-technologies, which allow implementing a new paradigm of education aimed at a person and appropriate to principals of humanization of education.
III. ADVANTAGES AND PECULIARITIES OF DISTANCE LEARNING TECHNOLOGIES

Today the methods of traditional training are being replaced by e-learning methods using computers and information technologies. It has become possible to deliver files with learning content to a big number of trainees; to provide a regular communication between trainees, their teachers and tutors; to access any information resources via Web-servers.

Not every company has an opportunity to let its employees to study face-to-face leaving their offices, therefore e-learning is the best kind of training of employees for companies.

The opportunity to study while at work and remain in one location with no need to travel is very urgent for the employees who live in remote towns or villages.

The main motivations for people working in the Internet are wish to get brand new information and communicate with qualified specialists; convenience in sharing emails and software; compensation for various communication barriers. Approximately a half of respondents (52%) is advanced PC users and has a positive attitude towards e-learning, only 20% of respondents are against e-learning, but the older a trainee is, the better attitude towards e-learning he or she has. Recent world researches in e-learning exposed that 80% of trainees can efficiently perceive learning information in any form. It means that the majority can learn electronically via the Internet. According to the USA company employee poll, 85% of the employees surveyed prefer to study during their working time and 62% prefers to study in office.

One may speak about many advantages of e-learning, however we’ll try to formulate the main of them which considerably influence the company’s activities.

1. Instructors and recognized experts can be easily attracted to the learning process. They can share their knowledge across borders.
2. High-efficient learning material can be developed by help of high-qualified tutors and industry experts without bringing them on the staff.
3. Employees may remain in one location (e.g., home, office).
4. The company reduces costs for business trips (transport, accommodation, meals).

The peculiar features of corporate training put certain requirements on the training process. The most important methods of training are interactive lectures, discussion groups, trainings, role playing and computer simulation. The most powerful didactics means in the system of corporate e-learning can be tele- and videoconferencing, circuits and technologies, which is very important for telecommunication industry.


IV. EXAMPLE OF CORPORATE LEARNING COURSE TO TRAIN TELECOMMUNICATION COMPANY PERSONAL

This section describes the example of the corporate e-learning course developed by the Siberian State University of Telecommunications and Information Sciences on the basis of the models of corporate training organization for managers and top managers from the telecommunication company “Sibirtelecom” that provides the whole range of modern telecommunication services in the Siberian Federal District (Fig. 3).

First of all, a balanced training strategy has been determined. On the one hand, in compliance with the company’s demand the course includes traditional disciplines and topics such as Strategic Management, Strategic Marketing, Financial Management and Resource Management. On the other hand, the University proposed to include burning topics for the company’s active functioning on the market as Change Management, Risk Management and efficient management tools of the company’s activity as BSC (Balanced Scorecard), CRM (Client Relations Management), Controlling and other topics widely used among world-known companies.

In order to determine pedagogic technologies of training in compliance with the model of corporate training technologies proposed in the paper, the organizers of corporate training adhere strictly to the balanced strategy grounded on the use of blended learning. Each of five modules involves an e-learning part based on the Internet technologies (96 hours) and a classroom training part (24 hours). Introduction of network training technologies into the corporate course allows using all advantages of e-learning described in the paper. The trainees communicate with each other and teachers receive feedback from trainees via e-mail, forums and conferences built-in the module.

The content of every module is dedicated to a concrete interdisciplinary topic developed by the teachers specialized in different disciplines and related to the trainees’ professional activities.

On the main page of the course the trainee may look through the course curriculum, get information about the trainers, learn training news on public bulletin board,
CORPORATE E-LEARNING STRATEGY

To let trainees make the acquaintance of the trainers, the system of “visit cards” with pictures is used (Fig.4).

While mastering the module, trainees communicate to the trainers, other trainees and company experts via e-mail built-in the module.

In accordance with the model of training methods formation, the course involves such interactive methods as practical trainings, project development and working in small groups. The practical tasks proposed to the trainees include specific problems of the company, for example: development of business process models, financial analysis of efficiency of telecommunication service sales, design of the company’s marketing policy, calculation of cost price and price rate of ADSL service and etc.

The trainees’ survey testified to the success of the described corporate e-learning course (Table 1).

The trainees meet each other and form a training team on the introduction forum.

The course implementation has been positively evaluated and considered successful both by managers and head officials of the company. About 40% of managers, who took the course, have been promoted in the “Sibirtelecom” telecommunication company.

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