Reengineering of the business processes in the education

Reengineering implies review of all previously created processes with the purpose of optimising them. There are several spheres of real reengineering use: business processes, activity of an enterprise and so on. In this article we will consider a transformation of educational processes, namely in frames of the university.

Activity of any university will be considered as successful if its students have enough knowledge for presenting their competitive ability on the labour market. Students must have a quick access to all of unique knowledge provided by teaching staff. That is why it is clear that reengineering of the teaching processes primarily covers the review and interaction enhancement between a teacher and students.

Having analysed the success of many international universities such as Cambridge University and Harvard University, our project group has been able to find out that organisation of high quality study demands presence of following components:

- teachers with high work experience;
- stable university funding;
- timely scientific forums and conferences holding for the purpose of student achievements valuing;
- an informational portal included in the university website.

It is worth to note that many universities have the first two components, however, the rest elements of our list are not developed everywhere.

Scientific conferences organising is reached by a way of coherent processes of the university working. It is necessary to pay attention to planning for the quick
succeeding without financial and time losses. Specialists of business and marketing often use CASE-technologies (Computer Aided Software Engineering), which can be applied to our case as well. We tried to design different variants of the business and academic plans, using the CASE-methods. So, our choice had been a special software called Rational Rose. This method of schemes and diagrams development had strengthened our work in the early steps already.

As far as the informational portal is concerned, it is necessary to introduce the interactive engagement between the students and professors. The role of informational technology is particularly great for the students studying remotely. There are many such students in our university; that is why we suggested creating a platform of using webinars and casting video-lessons. Furthermore, we think it is very important to create an easy access to scientific and teaching material. For instance, a student will study effectively, if they are able to get access to all of recently presented lections, not to mention scientific books, which are also available for downloading. Everything mentioned above is the part of the so-called DER (Digital Educational Resources). They are online sources of different information, which are available either for closed community or for open streaming in the Web. Such sources combine the streaming of online lectures and the collection of electronic books.

Another aspect of the use of interactive lessons is special prepared video lessons. Creating a teaching video, a professor can interact with hundreds of university students simultaneously. Moreover, the type of lesson provides the effect of individual training. The data written on many paper sheets can be explained by an illustrative video, which may be considered as the result of the work done.

This article was created to show the importance of the introducing available and contemporary study in each university. Making conclusion, we would like to say creating and organising the digital educational resources are processes, which inextricably linked to the digitalization of education sphere. As the result, we get the decrease of time expenditures, as well as convenience of using scientific material by students and teachers.
Sources:


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