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# INFOSTROY

Information Systems Technologies Research Outsourcing for You

## Education and E-Learning

*Areas of Expertise: Communications, Multimedia & Data Transfer, Manufacture, Business & E-Commerce*

Modern information technologies allow organizing educational process on absolutely new level when students can be placed in different places of the world, when they can use modern approaches for educational content delivering and knowledge tests. All these new exciting abilities are based on very difficult software systems. The development of such systems requires profound knowledge of different operating systems, and sometime it is necessary to develop low level drivers for effective information transfer via internet. In many years our company has accumulated significant amount of expertise for developing all software required for building effective e-learning platforms for large amount of users. Below are the most interesting projects developed in our company.



**New Vision For Education  
With Information Technologies**

Contact:  
[info@infostroy-software.com](mailto:info@infostroy-software.com)  
[www.infostroy-software.com](http://www.infostroy-software.com)

## Projects examples:

- Virtual Classes Management System
- Students activities monitoring system
- Online Course Creation and Management System
- Courses plan management based on DoCeBo platform

### Virtual classes management system

This is a special software which allows teacher to organize remote classes for students. With this software education and knowledge control process can be organized for any discipline or system. This software can be used for trainings, presentations, polls and students testing. System can work under Windows and Linux operating systems.

### Students activities monitoring system

This system is specially developed to constantly monitor students' activities in class. This allows instructor to have confidence that each student works exactly on the course and can also help instructor understand what actions should be done by a student in case if a student requires with some tasks or problems. System can work under Windows and Linux operating systems.

### Online course creation and management system

There are a lot of different systems to create online courses but this system allows many companies creating very flexible educational scenarios with the use of special software to building online classes. This system allows organizing very powerful courses for teaching students to work with different software systems.

### Courses plan management based on DoCeBo platform

In this project we have developed a module to extend DoCeBo platform to "preliminary" phases of learning (that is "courses plan"). The Client has his internal learning application based on "DoCeBo" which is an open-source platform for E-Learning. We have also added abilities for user management into the system. As a result the Client receives a complete e-learning solution that allows managing users, course plans and provides courses for students.

## Clouds-Based Solutions For Education

### Technologies

Design	UML, Modelio
IDE	MS Visual Studio 2005/2008, NetBeans
Programming Languages	C++, Java, JavaScript, PHP, JSP, HTML, DHTML, XML
Databases	MySQL®
Libraries	Windows DDKs, MFC/ATL/STL, WinSockets, JNI, Swing, Hibernate
Servers	Apache, Tomcat 6
Operating Systems	Windows OS family, Linux OS family