INNOVATIVE APPROACH IN THE DATABASE EDUCATION

Paulina Todorova, Maria Hristova, Rositsa Todorova
mhristova@vtu.bg, rossitod@abv.bg, paulitod@abv.bg

Todor Kableschkov University of Transport
Sofia, 158 Geo Milev str.,
BULGARIA

Abstract: The report presents an idea for application of project-based education in the course of Informatics as an option for increasing the quality and the interest in the subject. The report features the results of a completed training course based on the project-oriented approach regarding the application of the projects of the Databases: Solving Economic Tasks through Setting up a Microsoft Access database module.

REFERENCES:

[1] Introduction to Project-Based Learning, www.globalschoolnet.org/web/pbl/index.htm

[2] R. Good. Project-Based Learning: How Students Learn Teamwork, Critical Thinking And Communication Skills

[3] E. Stefanova, E. Sendova, N. v. Diepen, P. Forcheri, G. Dodero, M. Miranowicz, M. Brut, et al. Innovative Teacher – Methodological Handbook on ICT-enhanced skills, Faleza-Office 2000, Sofia, 2007.

[4] Tuparova D., Tuparov, G. Management of students' participation in e-learning collaborative   ctivities, Procedia - Social and Behavioral Sciences Vol. 2, 2010, Elsevier,4757-4762,http://www.sciencedirect.com/science/article/pii/ S1877042810008049

[5] Орозова, Д. Възможности на проектно-базираното обучение, Годишник на Бургаски свободен университет, Том XIX, 2008, стр. 301-305 (Orozova, D. Vazmozhnosti na proektno-baziranoto obuchenie, Godishnik na Burgaski svoboden universitet, Tom XIX, 2008, str. 301-305)

[6] Blumenfeld, P. C., Soloway, E., Marx, R. W., Krajcik, J. S., Guzdial, M., & Palincsar, A. Motivating project-based learning: Sustaining the doing, supporting the learning. Educational Psychologist, Vol. 26, No. 3-4, 1991, 369-398

[7] Тодорова М., Хр. Христов, Ел. Стефанова, Н. Николова, Евф. Ковачева, Проектно-базирано обучение по структури от данни и програмиране, Mathematics and education in mathematics, 2011, Proceedings of the Fortieth Jubilee Spring Conference, of the Union of Bulgarian Mathematicians Borovetz, April 5–9, 2011

[8] Атанасова В., Д. Орозова, Проектно-базираното обучение по бази от данни в Wiki среда, 279-286, Международна конференция на БСУ, 2011 (Atanasova V., D. Orozova, Proektno-baziranoto obuchenie po bazi ot danni v Wiki sreda, 279-286, Mezhdunarodna konferentsia na BSU, 2011)