



MODUL

Virtual mechanical engineer training module system



Project Acronym: MODUL

Project Title: Virtual mechanical engineer training module system

Supporter of the program: Apertus Public Foundation

Number of the contract: K1124/2001

Financial support: 25 000 000 Ft

Total Budget: 30 210 000 Ft

Supporting of the NHRDEC: 7 750 000 Ft

Consortium:

- University of Miskolc, Faculty of Mechanical Engineering
- Szent István University
- Bánki Donát Mechanical College
- Széchenyi István College
- Synergon Rt. – Synedu

Objectives:

- Development of a pilot course of engineering. Application of the course in the frame of full-time, correspondence training and further training for engineers.
- Development of the frame and the elements of a modern e-learning environment
- Publication, announcement, transaction of the courses in the frame of a national level network form.

Course development, program elements realised in the project:

Vertical program elements:

V1: Applied alternative energetics

V2: Computer Aided Design System

V3: Logistics

V4: TQM

V5: Modern Technologies

V6: Fracture techniques virtual laboratory

Horizontal program elements:

H1: Methodology of Distance Learning

H2: E-learning frame system development

H3: Project management

Target Group: The project targeted to develop higher education engineering materials able to meet the claims of several target groups at the same time. We intended to announce these programs on a national level through network co-operation. All program elements were accessible for national engineering training institutions in digital form – so in a re-reducible way and on a good price. It means that the institutions could accommodate these courses to the peculiarities of their training programs without being obliged to develop again the most costly elements (video, stimulation, figures). A representent of all the partner institutions participated in the vertical program elements targeting the curriculum development. This assured the useful versatility of the material under development. The nation scope of the MODUL project was assured by the fact that it was based on the network co-operation of four important higher education institutions of engineering. Three of them are gestor-institutions of a regional distance education centre at the same time. This fact assures the geographical covering of the important industrial territories of the entire country. The expanded international partnership of our institutions lay the foundation of a future international expansion of the multilingual versions.