Project:Attendance system with RFID

Countries:	Czech Republic	Hungary
Suitable for grade:	3-4	3-4
Specialization:	IT	IT
Responsible teacher:	Petr Madecki	Tamás Kósa

Project description:

ARDUINO with RFID sensor must be programmed and visualized. The model and other I/O are determined by the Hungarian partner (red and green sign posts, lists). You need to purchase ARDUINO with sensors and outputs (LCD, etc.).

Project tasks:
Student #1 (CZ):
- To build a provisional system
- To programme ARDUINO
- To perform simulation tests
- To write documentation both in English and Czech language

Student #2 (H):
- To Make the final model
- To Assemble sensor and actuator
- To programme HW tests on ARDUINO
- To write documentation in both English and Hungarian language

Success criteria:
ARDUINO responds to the RFID card and gives access to people.

Developed hard skills:
Analysis of real problems, usage of different sources of information, programming in C language, software configuration, improvements in English language, equipment selection, trouble shooting, complex problem solving

Developed soft skills:
Communication skills, problem solving skills, creativity, team work capability