Partnership Visit No 6 Report
Kainuu Vocational College
19-23 March 2013
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1. Planned schedule

Program of meeting in Kainuu Vocational College (KAO Kainuen ammattiopisto)

**Wednesday 20.3.2013**

08:45  Transport from hotel Kajanus to KAO

09:00  Introduction: Some facts about Finland, Kainuu and KAO

09:15  Visit electrical department

10:00  Coffee break

10:15  Presentations: Romania, Italy, Spain and Northern Ireland

12:00  Lunch

13:00  Presentations: Finland

13:30  Discussion about RACE-project: CIMO Hannele Nevalampi from CIMO (Center for International Mobility)

14:00  Coffee break

14:30  Visit company: Sunit Oy

16:00  Free time

19:00  Dinner

**Thursday 21.3.2013**

08:45  Transport from hotel Kajanus to KAO

09:00  RACE-theme: Programming

10:00  Coffee break

10:15  RACE-theme: Programming

11:00  Final meeting in the Czech Republic

Evaluation

12:00  Lunch

13:00  Visit local places & landscapes

13:45  Sport and free time activities

14:30  Starting of activities

16:30  Ending of activities

17:00  Costy (Bus to the airport of Kajaani 5:25 pm)
2. Wednesday 20.3.2013

2.1 Transport from hotel to school.

Transport from the hotel Kajanus to the school (KAO Kainuu Vocational College). The journey hold 10 minutes. After half an hour all participants were present in the school and they were ready for the meeting.

All participants:

From left: Lucie Brzáková (Czech Republic), Jan Schupke (Czech Republic), Darren Houston (Northern Ireland), Stefano Verna (Italy), Constantin Gavril (Romania), Luca Gentilini (Italy), Elena Lago (Spain), Helder Cunha (Portugal).

In front: Isabel Pousa (Spain), Hannele Nevalampi (Finland, CIMO) and Maria Pousa (Spain).

2.2 Introduction: PowerPoint presentation and visit the local department

Presentation by PowerPoint from Finland, Kainuu and Kainuu Vocational College took half an hour. After coffee break the whole group visited the electrical department.
2.3 Presentations

2.3.1 Team of Italy

Stefano Verna had the slide show about programming in this project.

The flow-chart, for example, is important phase in programming. After flow-chart the programmer can plan good programs.
2.3.2 Team of Northern Ireland
Darren Houston kept the presentation about the planning of robot. Darren told for example which kind body parts their robot has.

Here is the fine plan about the robot body.
2.4 Lunch

Then we had lunch in the student restaurant. The name of restaurant was Kanerva room. This time the restaurant offered finnish salad and fish for example.

2.5 Presentations

2.5.1 Team of Spain

After lunch Elena Lago from Spain had her presentation about programming in this RACE-project.
Elena shows how to make modular and efficient program for robots.

2.6. Visit company Sunit Oy

Sunit Oy provides state-of-art In-Vechile Computers, Vechile telematics and Automatic Vechile Location (AVL) technology for any kind of In-Vechile applications. Manager of development Pasi Junttila had a presentation of company. We had possibility to see the whole factory area.

After visit company it was the transport, 3 km, back to the town Kajaani and the hotel Kajanus.
2.7. Free time

2.7.1 Dinner in restaurant
The dinner was in the restaurant named Ranch. This restaurant is in the middle of Kajaani town.

3. Thursday 21.3.2013

3.1 Presentations

3.1.1 Team of Romania

Constantin Gavril from Romania is keeping the presentation how to control servo motors.

Here is the good and simple picture/slide how to control servo motor.
Costantin and his demo about controlling servo motors.

3.2 Lunch

The lunch was in another student restaurant named Kisälli. The members walked about 600 meters from the electrical department. The weather was quite cold, -10 Celsius, and it was cold wind.
3.3. Presentations

3.3.1 Team of Finland

The students Samuli Repo and Visa Pollari and their demo robot.

Student Henri Moilanen has done in his own project this machine. Henri has planned and done the whole product in his free time at home.
3.4 Discussion about final meeting

The participants had a discussion about the final meeting in Czech Republic. The partners discussed about robot task requirements and what the final meeting will be, the competition or exhibition. And is the final meeting two days or three days long. Many participants thought that matters remained unsolved. They promised to keep touch by email and solve problems before the final meeting in Czech Republic. After discussion the transport, 35 km, to a municipality Sotkamo.

3.5 Sport activities

The participant had possibility to take part in swimming and taking a sauna bath in Spa Katinkulta.
3.6 Dinner
After sport activities we had dinner in restaurant Amarillo

4. Friday 22.3.2013
4.1 Transport to the railway station and airport of Kajaani

Early in the morning some of participants left Kajaani by plane, some of them by train to Helsinki about at 9 in the morning and the rest left Kajaani by plane in the afternoon. So next time we will see in Czech Republic in the beginning of June!
5. Appendix A

6. Appendix B