



Minutes of the kick - off meeting

Tempus project: “Assisting humans with special needs: Curriculum for HU-man-Tool interaction Network (HUTON)”

02-03.11.2012. Belgrade, SERBIA

All partners were present, except Special Hospital from Novopazarska banja (Novi Pazar spa).

Friday, November 2 (Institute "Mihajlo Pupin", Belgrade) Agenda

15:00 Welcome by the Rector of the Belgrade University, Prof. Vladimir Bumbaširević and Project coordinator Prof. Aleksandar Sedmak.

15:15 Introductory remarks by Dejan Popović about the project plans and methods to be developed/used followed by the discussion

16:45 Presentation of the plan for the network, curriculum and Lab organization by the leaders of WP1, WP2 and WP3 (Pupin, Belgrade, Novi Pazar)

17:45 Comments from the EU partners (Ljubljana, Genoa, Greece)

Rector of the Belgrade University, Prof. Vladimir Bumbaširević, has clearly supported the project, indicating main risks due to accreditation of new programmes, and financial rules.

Prof. Dejan Popović has introduced all partners and institutions, and presented aims and plans of HUTON project in all phases. He also has presented in brief the history of robotics in Serbia, including its use for helping people with special needs.

The project steering committee has been elected and approved:

1. **Aleksandar Sedmak**, University of Belgrade (coordinator), Belgrade
2. **Vladimir Simeunović**, Institute “Mihajlo Pupin”, Belgrade (IMP)
3. **Aleksandar Veg**, Faculty of Mechanical Engineering, Belgrade (MFB)
4. **Nikola Jorgovanović**, Faculty of Technical Sciences, Novi Sad (FTN)
5. **Lana Popović Maneski**, The State University of Novi Pazar, Novi Pazar (DUNP)
6. **Ljubica Konstantinović**, Clinic for rehabilitation "Dr Miroslav Zotović", Belgrade
7. **Bojana Petrovački Balj**, Child and Youth Health Care Institute, Novi Sad
8. **Saida Biševac**, Special clinics for rehabilitation, Novi Pazar

9. **Vittorio Sanguineti**, University of Genoa, **Italy**
10. **Marko Munih**, University of Ljubljana, **Slovenia**
11. **Nicolas Pallikarakis**, University of Patras, **Greece**

The local steering committee has also been elected and approved:

1. **Aleksandar Sedmak**, University of Belgrade (coordinator), Belgrade
2. **Vladimir Simeunović**, Institute "Mihajlo Pupin", Belgrade
3. **Aleksandar Veg**, Faculty of Mechanical Engineering, Belgrade
4. **Nikola Jorgovanović**, Faculty of Technical Sciences, Novi Sad
5. **Lana Popović Maneski**, The State University of Novi Pazar
6. **Ljubica Konstantinović**, Clinic for rehabilitation "Dr Miroslav Zotović", Belgrade

Activities according to working packages WP1, WP2 i WP3 have been presented by their leaders, as follows: WP1 - Vladimir Simeunović, IMP, WP2 - Aleksandar Veg, MFB, WP3 - Lana Popović Maneski, DUNP.

Different options to join this master programme have been discussed for students of different background (mainly medical and engineering). It was concluded that courses should be formed as obligatory or selective, all of them with two different levels regarding ESPB, either 3 or 6. Final (master) thesis to be 30 ESPB. For 3 years B.Sc. students there will be 1 preparatory year with possibility to choose already existing courses at Faculties.

Partners from EU has actively participated in discussion indicating project importance and complexity. They also suggested that purchase of equipment should be focused to educational purposes, because main project aim is education for rehabilitation, and that psychology should be introduced as the separate course.

New budget proposal, in accordance with the signed contract, has been explained and adopted. After its acceptance from the authorities, Partnership Agreements should be signed. It was also concluded that all partners should get more detailed plan of activities, including time scale.

Saturday, November 3 (Clinic for rehabilitation "Dr Miroslav Zotović", Belgrade) Agenda

10:00 Demo of the Walkaround system and discussion

10:45 Demo of the gaming and robotic assistance for the upper extremities and discussion

11:30 Demo of the FES applications

12:15 Demo of the movement assessment system

The equipment (Walkaround system, Gaming and robotic assistance, FES, Movement assessment system) was demonstrated both from equipment point of view and as functional device on a patient, who has had no previous experience with it.

Demonstration was made by doctoral students for the Faculty of Electrotechnics (ETF), Belgrade, Nebojša Malešević and Miloš Kostić, and by Dr Lana Popović Maneski, DUNP. The advantages of all demonstrated systems, initially developed at ETF, has been clearly demonstrated. Some of them are already in everyday practice in the Clinic for Rehabilitation Dr Miroslav Zotović, although still under development, whereas others are in development and

testing phase. Demonstration has been well accepted from all partners, and initiated a fruitful discussion on couple of technical issues, possibilities for wider use, and, last, but not least, ethical issues and CE stamp, to be tackled if any of the equipment should be included in curricula.

Finally, e-learning has been discussed with the conclusion that it should not be the project activity, but rather to be used for better communication between partners.

Belgrade, 09.11.2012