



European Commission
TEMPUS

TEMPUS PROJECT: 530510-TEMPUS-1-2012-RS-TEMPUS-JPCR

PROJECT TITLE: “Assisting humans with special needs: curriculum for HUMAN-TOOL interaction Network”

ACRONYM: HUTON

WP NUMBER: WP.1: Development and maintenance of the network and forming of the core of experts for the delivery of the curriculum leading to the specialist degree

DELIVERABLE: 1.2. Demonstration and Training Centre

Due Date: Month 9

Submission date: Month 12

Start date of project: 15/10/2012.

Duration: 36 months

Lead beneficiary for this deliverable: UB

Responsible Person: Dr Aleksandar Sedmak, UBG

Other persons who participated in preparation of WP1.1 deliverable:

1. Ljubica Konstantinović (CR BEG),
2. Lana Maneski (SUNP),
3. Aleksandar Veg (UB),
4. Nikola Jorgovanović (UNS),
5. Bojana Petrovački (CYHCI NS),
6. Marko Munih (UL),
7. Vittorio Sanguineti (UG),
8. Nicolas Pallikarakis (UP)
9. Vladimir Simeunović (IMP)

Revision: **1.0**

Dissemination Level		
NL	National level	
IL	International level (including the Commission Service)	√

DELIVERABLE 1.2: Demonstration and Training Centre

This deliverable is the third action of the WP1: **Development and maintenance of the network core and structure for support of the new curriculum.**

INTRODUCTION:

The wider objective of the project "*Assisting humans with special needs: Curriculum for HUMAN-TOOL interaction Network (HUTON)*" is the development of interdisciplinary and multidisciplinary curriculum with the laboratory educational support and *THE EDUCATIONAL TRAINING NETWORK* for the optimized use of technology that improves the quality of life of humans with special needs.

The specific objectives in the project are:

- Development of the **new interdisciplinary and multidisciplinary accredited curriculum (MECHATRONICS FOR REHABILITATION)** leading to the master degree in the domain of technologies for humans with special needs.
- Setup of the training **network in Republic of Serbia (RS) in the domain of mechatronics, rehabilitation engineering and medicine, and neurorehabilitation** that enables the delivery of the new interdisciplinary and multidisciplinary curriculum.
- Training of staff for providing on-the-job education and use of appropriate technologies which increases **new employment opportunities.**
- Training of staff for providing **better medical services** for humans with special needs.

WORKPACKAGE WP.1:

The project is planned with eight workpackages, where the first four are the development activities.

The workpackage (WP) 1 is dedicated to the development of the network core for support of the new curriculum.

The WP1 goal is construction and delivery of Web based training environment. This includes discussion forums, document sharing, training sessions, chats, presentations and other "e-learning" and "knowledge management" interactive platforms.

The new IT infrastructure was planned with the aim to ensure secure, high-quality and unrestricted network environment. Supporting the implementation of the curriculum network, video and IT equipment had to be configured. In order to ensure and provide the technical prerequisites for the use of new Web based techniques, review of the existing technical and IT capacity is completed. All existing laboratories are visited, analyzed and discussed with project partners and they technical personnel.

The approved project proposal started from the following assumptions and risks:

1. Availability of the expertise in the domain of web communication,
2. Availability of staff trained for the development and maintenance of the web portal,



European Commission
TEMPUS

3. Availability of the resources for the networking,
 4. Timed funding and purchasing of the hardware/software along the project activities,
 5. Availability of personal resources.
1. Based on needed network demands Web based demonstration and training centre has been created:

The third phase of the activities:

2. Demonstration and Training Centre

In the third phase of the WP.1 workpackage demonstration and training center IT support has been formed. Installed IT equipment is responsible for enabling Web teaching activities such as course design, production practice, and cognition, confirmation and experiment of service design, etc.

Performed activities in relation to the purchased equipment:

- All systems are installed and configured,
- All systems are tested and in use,
- Server room is equipped and all servers are configured,
- Central Huton team networking software is produced, installed and configured,
- Central Huton team networking software has been published and secured accounts have been opened for all team members.

Purchased equipment:

A. Installed at University of Belgrade:

A.1 3 X Business class laptop, Samsung ATIVBook9 NP900X3F (University of Belgrade)

- Access: University of Belgrade engineers.
- Usage: Database administration, Web site administration, Central Huton team networking software administration.

A.2 1 X Blade server enclosure C3000 (Institute "Mihailo Pupin")

A.3 2 X Blade Server BL460G8 (Institute "Mihailo Pupin")

A.4 1 X Storage HP P2000 (Institute "Mihailo Pupin")

- Access: University of Belgrade engineers.
- Usage: Database storage, Web site storage, Central Huton team networking software storage, Redundant equipment for system failure security.

A.5 1 X Uninterruptible power supply unit (Institute "Mihailo Pupin")

- Access: University of Belgrade engineers.
- Usage: System failure security.

A.6 3 X Desktop computer, monitor, keyboard, mouse (University of Belgrade)



European Commission

TEMPUS

- A.7 1 X LaserJet all in one printer (University of Belgrade)
 - Access: HUTON management team
 - Usage: HUTON project material preparation.
- A.8 1 X High resolution Photo camera (University of Belgrade)
- A.9 1 X Video projector (University of Belgrade)
 - Access: HUTON team members
 - Usage: Material preparation and presentation.
- A.10 1 X Equipment temperature controlling system (Institute "Mihailo Pupin")
 - Access: University of Belgrade engineers.
 - Usage: System failure security.
- A.11 1 X Server room (Institute "Mihailo Pupin")
 - Access: University of Belgrade engineers.
 - Usage: System security.

B. Installed at University of Novi Sad:

- B.1 7 X Business class laptop (University of Novi Sad)
- B.2 5 X Desktop computer, monitor, keyboard, mouse (University of Novi Sad)
- B.3 1 X Network router (University of Novi Sad)
 - Access: University of Novi Sad professors and students
 - Usage: Material preparation and presentation, Central Huton team networking software usage

C. Installed at University of Novi Pazar:

- C.1 5 X Business class laptop (University of Novi Pazar)
 - Access: University of Novi Pazar professors and students
 - Usage: Material preparation and presentation, Central Huton team networking software usage