Expansion of PEN-INTERNATIONAL Project in Russia

PEN-RUSSIA Project
Center for the Deaf Students at Bauman Moscow Technical University
Bauman Moscow State Technical University was founded in 1830.
Since foundation, an original system of the educational process organization was developed at the University that combined deep theoretical studies with well-handled training of intending engineers in first-class workshops and laboratories.

This system won international recognition as “Russian method of engineering education”
Bauman University has been educating deaf students since 1934.

It was first in the world general-educational institution where the engineering education programs for the deaf and hard-of-hearing people were successfully realized and continue to develop efficiently.

Further, in 1994 the University established a Center for the Deaf students.
Bauman University realizes the System of continuous multilevel integrated and different studies form professional technical education for the deaf that provides:

- Competitive position at labor market
- Stable employment status
- Social and professional mobility
A system of special social programs for continuous multilevel professional education of the deaf and hard-of-hearing people includes basic schools? Professional engineering colleges? And technicums, allows realizing different studies forms, and provides creation of specific educational conditions within common technological space of the University.

About 100% of the deaf graduates of Bauman University place in a job themselves and “earn a living and live a life”
Coordinating role of the Center within the University
National Technical Institute For Deaf
a college of Rochester Institute of Technology
USA

Center for the Deaf
Students at Bauman Moscow technical University
Russia

Tianjian Technical College
China

Ratchasuda College
Thailand

Tsukuba College of Technology
Japan

Melburn University
Australia

The Nippon Foundation
Japan

Postsecondary Education Network International was granted by Nippon Foundation (Japan)
PEN-International’s three primary goals are:

- To increase the application of information technology and instructional technology to teaching.
- To improve teaching, learning, curriculum development, and instructional development, and
- To expand programs and services for deaf students.
Distinguishing features of PEN-International program

- WWW technology (the PEN-International WWW site);
- Distance learning technology (ISDN and satellite technology);
- Instructional technology (multimedia);
- Telecommunication technology;
- Curriculum and instructional development;
- Faculty training and development; and,
- International symposia (an international symposium will be held at NTID in June and Bauman is playing an important role in that activity)
- Evaluation and research
PEN-International program has started at Bauman MSTU in 2001
The Signing Ceremony of Memorandum of Understanding (The 26th of March, 2002)
26th of November 2002 the Multimedia Laboratory was opened at BMSTU Center for the Deaf students.
Before the renovation
After the renovation
Plan of Specialized Multimedia Laboratory at BMSTU
Working in multimedia classroom
Working with smart board

- Lecture material
- Smart board software
- Stylus
- Virtual keyboard
A teacher controls the work of all the equipment of the class from his workstation.
The specialized table - transformer

Table is prepared for lecture

Table is prepared for computer working

Lifting Monitor

Students workstation

computer

The equipment used for technical support of educational process
The workstation of the teacher’s assistant

- Monitor of assistant’s workstation
- Video presenter
- Laser printer
- Scanner
- Inkjet printer
- Computer of assistant’s workstation
The receiver with a magnetic loop (for students) and the transmitter with a microphone (for teachers)

**Assistive listening devices**
Infrared system

IR Emitter ➞

IR emitter

Transmitter

Wire microphone

Wireless microphone

The receiver with a magnetic loop
The students working in laboratory use assistive listening devices
additional tuning mirror ➞

The new mirror board
Wireless Video-set
(the device of support of educational process)
A teacher uses the wireless video-set
The Russian Participants of PEN-International Web Page Design Competition
Andrey Shmygol is the Winner of PEN-International Web Page Design Competition
American and Russian Students at BMSTU Center for the Deaf
We have created it together but we don’t come to stop and would continue our further development.
These Municipal, Regional and Federal Educational Institutions implement and develop PEN-International ideas:

- Vladimir State University
- Herzen State Pedagogical University of Russia (St.-Petersburg)
- Krasnoyarsk State Trade Economic Institute
- Ural State Pedagogical University (Yekaterinburg)
Colleges and Schools.

- Ivanovo Radiotechnical College
- Kineshma College of Technology
- Mikhailovsk Economic College
- Novokuznetsk Liberal Arts and Technical College
- Novocherkassk College of Technology
- Orenburg Economic College
- Inter-Regional Center of Rehabilitation for the Deaf (Pavlovsk, Leningrad Oblast)
- Specialized School for the Deaf No 22, Moscow
In 2003, it is planning to establish in Russia:

- 3 Head Federal Centers for disabled people;
- Special Departments at 7 Base Federal District Universities;
- 14 Base Federal District Colleges;
- 21 Base Federal District Vocational School

Expansion of PEN-Russia in 2003