



# SUMMARY REPORT

on the external evaluation  
of the cluster of educational programmes in

- «Professional education: «Information Technologies and Computer Engineering»,  
«Economics and Management » (44.03.04),
- «Professional education: «Human Resource Management in Education» (44.04.04),
- «Education and Pedagogical Sciences » (44.06.01),

delivered by Penza State Technological University

While preparing this Summary Report we used information from the Self-Evaluation Report and the Report on the External Review of the cluster of study programmes «Professional education: «Information Technologies and Computer Engineering», «Economics and Management» (44.03.04), «Professional education: «Human Resource Management in Education» (44.04.04), «Education and Pedagogical Sciences » (44.06.01), delivered by Penza State Technological University

The presentation document for the use by the National Accreditation Board.

## CONTENTS

---

General information on educational institution.....	4
Programmes undergoing accreditation .....	5
Achievements of the educational programmes.....	7
External review panel.....	11
Recommendations .....	16
Distribution digram of the external review outcomes.....	17
Conclusion of the external review panel.....	18
Schedule of the site visit of the external review panel .....	19

## GENERAL INFORMATION ON EDUCATIONAL INSTITUTION

Full name of the educational institution	<i>Federal State Educational Institution of Higher Professional Education «Penza State Technological University»</i>
Founders	<i>The Ministry Of Education and Science of the Russian Federation</i>
Year of foundation	<i>1959 – Penza factory-HTEI, branch of Penza Polytechnic Institute 1994 – Penza Technological Institute (factory-HTEI), branch of Penza Technical University 1998 – Penza Technological Institute (factory-HTEI), branch of Penza State University 2004 – Penza State Technological Academy 2011 – Federal State Educational Institution of Higher Professional Education «Penza State Technological Academy» 2013 –FSBEI HPE «Penza State Technological University» 2015 - FSBEI HE «Penza State Technological University»</i>
Address	<i>1a/11 Baidukov Proyezd/Gagarin Str., Penza 440039</i>
Rector	<i>Vasily Moiseev, Dr. of Education, Professor</i>
License	<i>Series 90Л01 № 8932 reg. № 1902 dated from 28.01.2016, permanent</i>
State accreditation	<i>State Accreditation Certificate Series 90A01 № 880 reg. № 821 dated from 07 17.10.2013 valid till 25.06.2018</i>
Number of students	<i>5198 full time 1771 part-time 597 Extramural 2830</i>

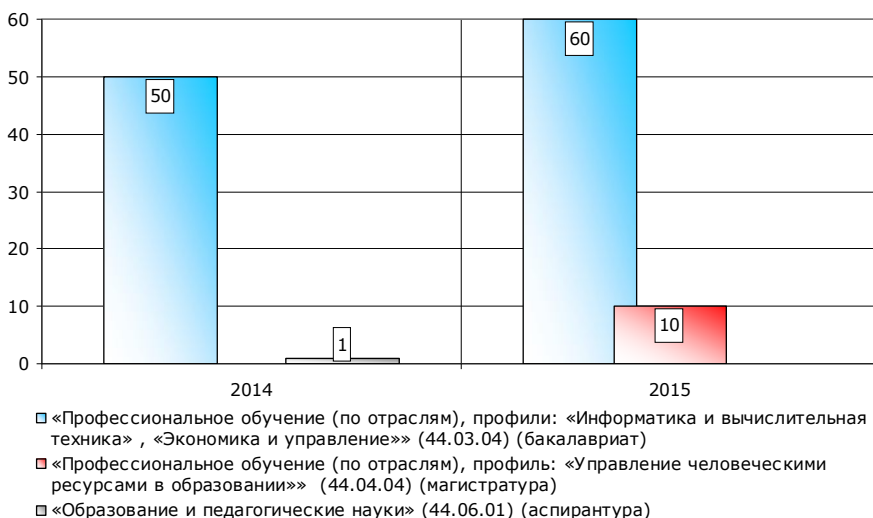
## INFORMATION ON THE EDUCATIONAL PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	<i>«Professional education: «Information Technologies and Computer Engineering», «Economics and Management» (44.03.04), «Professional education: «Human Resource Management in Education» (44.04.04), «Education and Pedagogical Sciences» (44.06.01),</i>
Level of training / Standard period of training	<i>Bachelor's degree programme / 4 years Master's degree programme / 2 years Researcher, Teacher-Researcher / 3 years</i>
Structural subdivision (head)	<i>Faculty of Information and Education Technologies (Andrey Remontov, Candidate of Technical Sciences, Associate Professor)</i>
Major department (acting head of major department)	<i>Department of Education and Psychology (Svetlana Vasilieva, Doctor of Education, Professor)</i>
Date of the site visit	<i>June 14-16, 2016</i>
Person responsible for public accreditation of the educational programme	<i>Irina Syomochkina, Candidate of Technical Sciences, Head of Academic Department</i>

## SAMPLING RESULTS OF THE PROJECT "THE BEST EDUCATIONAL PROGRAMMES OF INNOVATIVE RUSSIA

Indicators	2016
<b>Cluster of the educational programmes «Professional Education» 44.03.04, 44.04.04</b>	
Number of the given programmes in the RF	126
Number of higher educational institutions to offer the given programmes	116
Number of programmes – winners of the project (% from total amount of these programmes offered in the RF)	20 (15,9%)
<b>Penza Region</b>	
Number of the given programmes offered in the region	3
Number of programmes – winners of the project (% from total amount of these programmes offered in the region)	1 (33,3%)
Number of higher educational institutions and branches in the region	21
Total number of programmes offered in the region	191
Total number of programmes – winners of the project (% from total amount of these programmes offered in the region)	32 (16,8%)

### REFERENCE DATA ON STUDENT ENROLLEMENT



## **ACHIEVEMENTS OF THE EDUCATIONAL PROGRAMMES**

### **Quality of the delivered educational programmes**

PenzSTU is a diploma winner of the national competition of the RF Ministry of Education and Science "Quality assurance systems of specialists training". For high achievements in self-evaluation on the model and criteria of the RF Government in the sphere of quality PenzSTU was a recipient of the Governor of Penza Region award in quality management.

The programme «Professional Education» was recognized as best in the project «The Best Educational Programmes of Innovative Russia» in 2012, 2014 and 2015.

### **Provision of up-to-date education**

The programmes under accreditation are annually reviewed and updated with the involvement of students and other stakeholders (employers, employer associations, branch ministries and departments). The introduced changes are approved and recorded in the Minutes of the meetings of Departments, Academic and Methodological Councils of the Faculty and at the Academic Council of PenzSTU.

In order to identify expectations and needs of the students and their level of satisfaction with the programmes the following procedures are conducted: monitoring of the student satisfaction with the level of accessibility to modern IT; with the study process on the whole; incentive system; and also monitoring of the workload, progression and learning outcomes.

### **Material and technical resources**

The material and technical resources of the University comply with the requirements of FSES for the programmes. During the last five years the material and technical resources have been updated. The students have at their disposal an adequate number of computers and other technical equipment for the quality learning process.

There is a library, reading rooms, a research laboratory "Psychology and Pedagogy", laboratories for training specialists in the professions of an Accountant, an IT Technician, a laboratory of Physiology and Hygiene, computer classes with multi-media equipment, an IT laboratory, lecture rooms with multimedia equipment, education quality management office, rooms for practical and laboratory classes, a language laboratory, a study rooms for Professional Pedagogy, for methodology of Vocational Education, Accounting, Finance and Credit and a Gymnasium.

### **Teaching staff**

167 (82%) teachers of the University are degree holders: 23 (11%) – Doctors of Sciences, доктора наук - 23 чел. (11%), 144 (71%) – Candidates of Sciences.

The teaching staff of the study programmes under accreditation:

- the Bachelor level – out of 97 teachers 57 are degree holders: 50 (51,5%) – Candidates of Sciences; 7 (7,5 %) – Doctors of Sciences.
- the Master level - 23 staff members, all of them are degree holders: 20 (86,9%) – Candidates of Sciences; 3 (13,1%) – Doctors of Sciences;
- the Post Graduate level - 16 staff members, all with degrees. 9 (56,25%)- Candidates of Sciences; 7 (43,75 %)- Doctors of Sciences.

In the period of 2011-2015 the teachers of the participated in the research projects of regional, national and international levels. The teachers are members of the editorial staff of a number of journals published by the HAC of the RF, members of Dissertation Councils, supervise Master and Postgraduate students. The teachers of the programme are regularly invited to chair state examination boards of relevant profiles in the RF. They participate in exchange and internship programmes in the USA, Germany, France, Czeck Republic, Finland, Turkey, Kazakhstan and other countries.

### Independent assessment of student learning outcomes

The students confirm the quality of their training by way of annual participating in the Federal Internet Exam in Higher Education and independent assessment of quality by certified assessment tools.

### Learning resources

Material and technical resources are adequate and sufficient for the organization of the learning process. During the last two years a lot of modern equipment has been purchased.

The University is subscribed to research periodicals, which are in open access for the students and teachers. An effective system for organizing the students' research work with the account of their research interests is in place.

### Research work

The teachers are active researchers. The outcomes of their research are implemented in the study process and are manifested in scientific publications. They are also used when designing new study programmes. The last five years have witnessed the growth in number of published works and in their quality.

The students are also involved in research during bachelor work placement. They do research projects both independently and under the guidance of their research supervisor. Research work is a core component of Master and Postgraduate curricula.

### Academic mobility of students

PenzSTU is actively developing academic mobility of students and teachers ПензГТУ including international mobility (Germany, France, Czeck Republic, Finland). Favorable conditions are created for internships



and work placement (scholarships of the RF President and RF Government).

The information on opportunities for academic mobility is in open access on the PenzSTU and in the periodicals published by the University.

### Employability of graduates

The graduates of the programmes get employed in the VET system as teachers of colleges, HEIs, and in personnel training programmes. This is confirmed by the results of monitoring conducted by the Centre for target training and employment of PenzSTU.

The employability of PenzSTU graduates is 99,9%, the employability of the graduates of the programmes under accreditation is 98%.

### International projects

The teachers of the programmes are full and correspondent members of the International Academy of Pedagogical Education. The international cooperation is focused on the participation of the staff and students in international research projects, conferences, competitions, and webinars (the USA, Germany, France, Czech Republic, Finland, Turkey, Ukraine, Kazakhstan, Belorussia).

The quality of education of the study programme «Professional Education (according to branches)» (44.03.04 (051000.62) was independently assessed in the framework of the Federal Internet Examination in the Sphere of Professional Education (Certificate № 2014/2/266 от 05.02.2015 ).

Направления подготовки высшего образования	
035800.62	Фундаментальная и прикладная лингвистика
051000.62	Профессиональное обучение (по отраслям)
080100.62	Экономика
080200.62	Менеджмент
100100.62	Сервис
201000.62	Биотехнические системы и технологии
220700.62	Автоматизация технологических процессов и производств
221400.62	Управление качеством
230100.62	Информатика и вычислительная техника
230400.62	Информационные системы и технологии
230700.62	Прикладная информатика
240700.62	Биотехнология
260800.62	Технология продукции и организация общественного питания
280700.62	Техносферная безопасность

Направления подготовки среднего профессионального образования	
100701	Коммерция (по отраслям)
100801	Товароведение и экспертиза качества потребительских товаров
151901	Технология машиностроения
190631	Техническое обслуживание и ремонт автомобильного транспорта
210413	Радиоаппаратостроение
221413	Техническое регулирование и управление качеством
230111	Компьютерные сети
230113	Компьютерные сист
240134	Переработка нефти
240705	Биохимическое про

260103	Технология хлеба, кондитерских и макаронных изделий
260201	Технология молока и молочных продуктов

Генеральный директор  В.Г. Наводнов



НАУЧНО-ИССЛЕДОВАТЕЛЬСКИЙ ИНСТИТУТ  
МОНИТОРИНГА КАЧЕСТВА ОБРАЗОВАНИЯ

## СЕРТИФИКАТ КАЧЕСТВА

№ 2014/2/266 от 05.02.2015

настоящим подтверждается, что образовательные программы (Приложение)

федерального государственного бюджетного образовательного учреждения высшего профессионального образования

**"ПЕНЗЕНСКИЙ ГОСУДАРСТВЕННЫЙ ТЕХНОЛОГИЧЕСКИЙ УНИВЕРСИТЕТ"**

в период с 01 октября 2014 по 23 января 2015 года успешно прошли независимую оценку качества образования по сертифицированным аккредитационным педагогическим измерительным материалам (АПИМ) в рамках проекта

«Федеральный Интернет-экзамен в сфере профессионального образования»

Генеральный директор  В.Г. Наводнов



октябрь 2014 – февраль 2015



## EXTERNAL REVIEW PANEL



**Anna Sannikova** (Perm)

Review Chair, Russian expert

*Doctor of Education, Professor, Vice Rector for Quality Management,  
Perm State Humanitarian Pedagogical University*

A nominee of the Guild of Experts in Higher professional education



**Irina Borisova** (Nizhny Novgorod)

Deputy Review Chair, Russian expert

*Candidate of Economics, Associate Professor, Head of the Centre for  
Education Quality, Lobachevsky National Research State University of  
Nizhny Novgorod*

A nominee of the Guild of Experts in Higher professional education



**Alexander Voronkov** (Penza )

Panel member, representative of employers

*Minister of Education of Penza Region*

A nominee of the Ministry of Education of Penza Region



**Andrey Durin** (Penza)

Panel member, representative of students

*5th year student of the Faculty of Information Technologies, Penza State University*



**Vladimir Volchikhin** (Penza)

Observer

*Doctor of Technical Sciences, Professor, President, Penza  
State University*

A nominee of the Guild of Experts in Higher professional education

## **INFORMATION ON THE LEADING TEACHERS OF THE STUDY PROGRAMMES**

### **Vasily Moiseev**

*Dr of Education, Professor, Acting Rector of PenzSTU, member of the Russian Academy of Engineering, Member of the Russian Union of Rectors, Honorary Worker of Higher Professional Education of RF*

### **Tatyana Luseva**

*Candidate of Pedagogical Sciences, Associate Professor, Dean of the Faculty of Integrated Educational Programmes, Honorary Worker of Higher Professional Education of RF*

### **Tatyana Guskova**

*Candidate of Pedagogical Sciences, Head of the Department for Quality Management*

### **Maria Korchagina**

*Candidate of Pedagogical Sciences, Associate Professor at the Department of Education and Psychology*

### **Yulia Kulagina**

*Candidate of Pedagogical Sciences, Associate Professor at the Department of Education and Psychology*

### **Yelena Liksina**

*Candidate of Pedagogical Sciences, Associate Professor at the Department of Education and Psychology*

### **Natalia Malysheva**

*Candidate of Historical Sciences, Associate Professor, Dean of the Faculty of Online Educational Technologies, Honorary Worker of Higher Professional Education of RF*

### **Nadezhda Mokievskaya**

*Candidate of Pedagogical Sciences, Associate Professor at the Department of Education and Psychology, member of Educational and Methodological Board of the University*

### **Ludmila Plakhina**

*Candidate of Pedagogical Sciences, Associate Professor at the Department of Education and Psychology, Deputy Dean of the Faculty of Information Technologies*

### **Stanislav Razuvaev**

*Dr. of Education, Associate Professor, Vice Rector for Integrated Educational Programmes, Honorary Worker of Higher Professional Education of RF*

### **Svetlana Sergeeva**

*Dr. of Education, Professor, Head of the Department of Education and Psychology*

### **Anna Ryabova**

*Dr. of Philology, Associate Professor at the Department of Practice and Theory of Translation*

## GOOD PRACTICE

### **Standard 1. Policy (goals, development strategy) and quality assurance procedures of a study programme**

Availability of the documented Internal Quality Assurance System in accordance with the requirements of GOST ISO 9001-2011, a standard model of the quality assurance system of an educational institution and the criteria of the competition for the RF Government award in the sphere of quality assurance, and in line with the University developmental strategy.

The quality assurance policy reflects the connection between research, teaching and learning and takes into consideration international and national standards (including ESG-ENQA) and the internal specific features of the University.

Continuous improving of the quality of the academic process on the basis of internal audits.

Availability of the certified quality management system providing for the transparency of all processes and document flow.

### **Standard 2. Design and approval of programmes**

Conditions are created for continuous advancement, personal growth and development of students in the process of acquiring the study programme.

The work placement opportunities are constantly expanding.

An effective system of encouraging personal growth and development of students' professional competencies is in place.

The study programmes are regularly reviewed and updated, new teaching methods are introduced.

Expected learning outcomes are aligned with the requirements of the professional standard "The teacher of vocational education and further professional education".

### **Standard 3. Student-centered learning, teaching and assessment**

Successful independent external evaluation according to the certified assessment tools (quality certificates of the RI for Education Quality Monitoring).

Effective incentive system for students.

Participation in independent assessment of learning outcomes (Federal Internet Examination in Higher Education).

Effective ranking system of students' achievements.

Active participations of students in subject Olympiads of different levels and professional competitions.

PenzSTU has been a base institution for the Federal Bachelor Internet Examination in Higher Education since 2015.

#### **Standard 4. Student admission, support of academic achievements and graduation.**

Effective career guidance work with interested school leavers of the city of Penza, Penza Region and the countries of the former Soviet Union.

A well-functioning system of recognition of periods of study and prior learning.

An effective system of preparing students for participation in subject specific Olympiads. Regular participation in and conducting of student research and practice conferences, round tables, competitions of student research works of different levels.

Availability of information subsystems «Student Ranking», «Virtual Dean's Office», «Electronic Calendar», which help to collect and monitor the information about the students' academic work.

#### **Standard 5. Teaching staff**

High level of the staff qualification (at the Bachelor level– 72% of degree holders; at the Master's and Doctorate level– 100% of the teachers are degree holders).

Involvement of teachers-practitioners with the experience of working at in the companies and businesses of the Penza.

Dynamic growth of research work and publishing activity at the Department of "Education and Psychology" (over 200 articles and 10 monographs).

Effective incentive system for the teaching staff (competition "The Olympus of the Year", rankings, etc.).

Effective system of human resource development.

#### **Standard 6. Learning resources and student support**

Sufficient number of electronic text books and electronic library systems (ELS): «Lan'», IPRBooks, BiblioRossica Portal, University Library online, Book.ru, Polpred.com, Media Review, Balticsoft Company, LLC «Open Library Systems», Russian Communicative Format (RUSMARC) and others.

Highly developed the HEI's information educational environment (Moodle, Electronic Calendar, Electronic Educational Portal).

Availability of research laboratories, centres, and a psychological laboratory for psychological support of students and teaching staff. Conditions for persons with special needs.

Accessibility of information on student mobility (PenzSTU newspaper «Optimist», booklets, information stands, PenzSTU website, etc.)

#### **Standard 7. Collection, analysis and use of information for managing the study programme**

Availability of an effective system for collecting and monitoring information on the educational programme.

Conditions are created for active participation of students and staff in collecting information for managing the educational programme.

There is a unified information system «Galatea» and electronic information educational environment. Information technologies are implemented in the management of the study programme.

The collected information is used for solving different tasks by different structural subdivisions, teachers and students.

### **Standard 8. Public information**

The information about the study programmes placed on the website is current and full. It is also presented in the English, French and Arabic languages.

Social networks and information sources are used for informing stakeholders.

The multifunctional electronic resource «Educational Portal», makes it possible for the teachers to communicate with students, disseminate teaching materials, assess student assignments; monitor their attendance, generate automated tests and interact online.

### **Standard 9. On-going monitoring and periodic review of programmes**

Availability of a feedback mechanism (questionnaires, interviews, student, employer and parent surveys, etc.).

Regular conducting of the programme satisfaction survey.

Periodic external reviewing of the study programme in accordance with PenzSTU plan.

### **Standard 10. Cyclical external quality assurance of study programmes**

The programmes under accreditation are accredited by the state. The University is the winner of the competition held by the Ministry of Education and Science of Russia «Quality Assurance Systems in Training Specialists», and the winner of the Penza Governor's award in quality management.

The study programme «Professional Education» was a winner of the project «Best Educational Programmes of Innovative Russia » в 2012, 2014 и 2015.

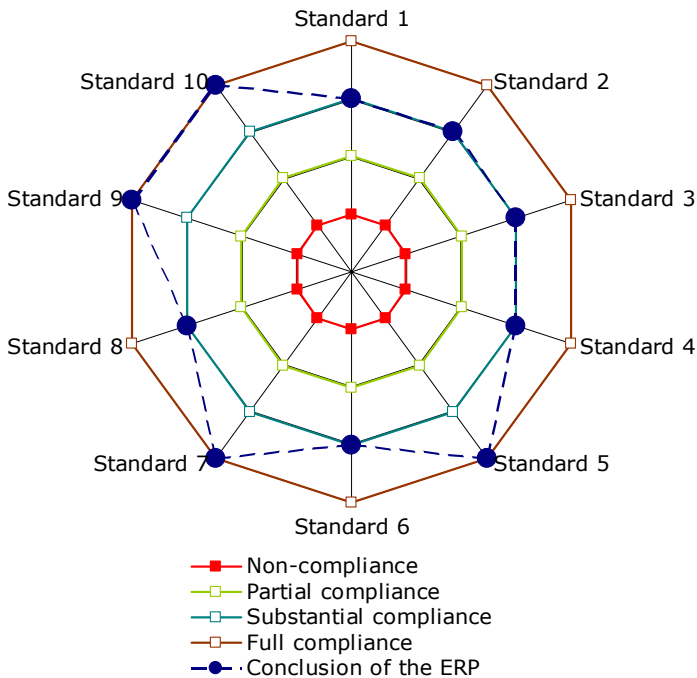


## RECOMMENDATIONS

1. It is necessary to enhance the work with stakeholders – students, parents, employers – on the quality assurance of the programme and to develop the quality monitoring system.
2. It is recommended to actively involve students and other stakeholders in developing study programmes, analyzing the outcomes of their implementation and planning improvements.
3. The work on alignment of the study programme with educational and professional standards should be enhanced.
4. The recognition mechanism – the European Diploma Supplement should be introduced.
5. It is necessary to improve the mechanism for informing and involving students in the programmes of academic mobility (exchange programmes, learning and research internships, etc).
6. The incentive system for teachers should be enhanced (through awarding their professional achievements).
7. The quality of reporting materials (self-evaluation reports) should be improved for the purpose of external evaluation of the quality of the study programmes.



## DISTRIBUTION DIGRAM OF THE EXTERNAL REVIEW OUTCOMES



- Standard 1. Policy (goals, development strategy) and quality assurance procedures of the study programmes
- Standard 2. Design and approval of programmes
- Standard 3. Student-centered learning, teaching and assessment
- Standard 4. Student admission, support of academic achievements and graduation
- Standard 5. Teaching staff
- Standard 6. Learning resources and student support
- Standard 7. Collection, analysis and use of information for managing the study programme
- Standard 8. Public information
- Standard 9. On-going monitoring and periodic review of programmes
- Standard 10. Cyclical external quality assurance of study programmes

## CONCLUSION OF THE EXTERNAL REVIEW PANEL

Based on the self-evaluation report analysis, interviews and documents and data submitted the External Review Panel has come to the conclusion that the cluster of study programmes in «Professional education: «Information Technologies and Computer Engineering», «Economics and Management» (44.03.04), «Professional education: «Human Resource Management in Education» (44.04.04), «Education and Pedagogical Sciences » (44.06.01), delivered by Penza State Technological University substantially complies with the standards and criteria of public accreditation of the National Centre for Public Accreditation.

The Panel recommends that the National Accreditation Board accredit the study programmes in «Information Technologies and Computer Engineering», «Economics and Management» (44.03.04), «Professional education: «Human Resource Management in Education» (44.04.04), «Education and Pedagogical Sciences » (44.06.01), delivered by Penza State Technological University for the period of 6 years.

## SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue
<b>June 14, Tuesday</b>			
8.45	Arrival at PenzSTU		Baidukov Av./Gagarin Str.1 a / 11, Penza
09.00 - 10.30	<b>The first meeting of the ERP</b>		Building 2, Room. 2-212.
10.30 - 11.30	<b>Meeting of the ERPs with the University administration and people responsible for accreditation</b>	Rector, Vice Rectors, Heads of Departments, ERP	Building 1, Room 231
11.30 - 12.30	<b>Tour of the University</b>	ERP	Building 1, 2
12.30 - 13.00	Work with documents	ERP	Building 2, Room. 2-212.
13.00 - 14.00	Lunch		
14.00 - 15.00	<b>Meeting with Institute Directors / Deans</b>	Directors of the Institutes, Deans, Deputy Deans, ERP	Building 2, Room. 2-215
15.00 - 15.30	Work with documents	ERP	Building 2, Room. 2-212.
15.30 - 16.30	<b>Meeting with heads of departments</b>	Heads of departments, ERP	Building 2, Room. 2-215
16.30 - 17.00	Internal meeting of the ERP	ERP	Building 2, Room. 2-215
17.00 - 18.00	<b>Meeting with representatives of professional community</b>	Representatives of professional community ERP	Building 2, Room. 2-215
18.00 - 18.30	Internal meeting of the ERP	ERP	Building 2, Room. 2-215

Time	Activity	Participants	Venue
<b>June 15, Wednesday</b>			
8.30	Arrival at PenzSTU		Building 2, Room. 2-212
9.00 - 10.00	<b>Meeting with representative of the structural subdivisions responsible for quality of education</b>	ERP , representatives of the Quality Department, social support services, centre for testing/surveys, and others	Building 2, Room. 2-215
10.00 - 10.15	Break		
10.15 - 11.15	<b>Meeting with teachers</b>	Teachers, ERP	Building 2, Room. 2-215
11.15 - 11.30	Break		
11.30 - 12.30	<b>Meeting with students</b>	Students, ERP	Building 2, Room. 2-215
12.30 - 13.00	Internal meeting of the ERP	ERP	Building 2, Room. 2-212
13.00 - 14.00	Lunch		
14.00 - 15.00	<b>Meeting with doctoral students</b>	Doctoral students, ERP	Building 2, Room. 2-215
15.00 - 16.30	Work with documents, visiting lectures	ERP	Building 2, Room. 2-212
16.30 - 17.30	<b>Meeting with graduates</b>	Graduates, ERP	Building 2, Room. 2-215
17.30 - 18.00	Internal meeting of the ERP	ERP	Building 2, Room. 2-212
<b>June 16, Thursday</b>			
9.45	Arrival at PenzSTU		Building 2, Room. 2-212
10.00 - 13.00	Internal meeting of the ERP: discussion of preliminary results of the site visit, preparation of the oral report of the panel	ERP	Building 2, Room. 2-212
13.00 - 14.00	<b>Closing meeting of the External Review Panel with the HEI representatives</b>	ERP, University administration, Heads of major departments	Building 1, Room 1 -231
14.00 - 15.00	Lunch		
	Departure		