MINISTRY OF EDUCATION AND SCIENTIFIC RESEARCH
"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IAŞI
Str. Prof. Dr. Doc. D. Mangeron nr. 67, 700050 Iaşi

R O M A N I A

Tel: +40 232 212322   **Fax:** +40 232 211667
URL: www.tuiasi.ro **E-mail:** rectorat@staff.tuiasi.ro

REPORT

ON INSTITUTIONAL INTERNAL

ASSESSMENT

IAŞI
10 March 2015

"Gheorghe Asachi" Technical University of Iaşi	Romanian Agency for Quality Assurance in Higher Education
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Contact person:
Professor Constantin SĂRMĂŞANU-CHIHAI, PhD
Chair of the Quality Assessment and Assurance Committee (CEAC)
tel. +40 745 520 809, +40 232 268 783 int. 2183 or 1127
e-mail: *calitate@staff.tuiasi.ro*
csarmas@tuiasi.ro

This **Report** was approved by the University Senate based on the **internal self-assessment procedure**. The data included in the **Report** is complete, accurate and consistent with the principles of academic ethics.

Rector,
Professor Ion GIURMA, PhD

Table of Contents

I. PRESENTATION OF THE UNIVERSITY

I.1. Legal framework for the organisation and functioning of the University

The "Gheorghe Asachi" Technical University of Iaşi is an accredited higher education state institution. Since its establishment in 1937, it has functioned without intermission under the names of The "Gheorghe Asachi" Polytechnic School (*Annex 1.1.2. Official Gazette no. 284 / 08.121937_TUIASI*) and the "Gheorghe Asachi" Polytechnic Institute (1948). The current name dates from 1993 (*Annex 1.1.1. GD no. 209 / 17 May 1993_TUIASI*), while the current structure is regulated by Government Decision 580/2014 (*Annex 1.1.4. University Structure*).

I.2. Mission

The "Gheorghe Asachi" Technical University of Iaşi is a University of advanced research and education, whose mission is to conduct smecific activities of creation, innovative utilisation of knowledge and transfer to society in the fundamental fields of Engineering Sciences, Architecture and Urban Planning, as well as in interdisciplinary and complementary fields, in the local community, as well as at a regional, national and international level.

The "Gheorghe Asachi" Technical University of Iaşi assumes, in accordance with the mission and objectives adopted (*Annex 1.2.1. University Mission and Goals*) in the University Charta (*Annex 1.1.3. Charta of TUI 30.09. 2011*) and within a multiannual framework (*Annex A.1.2.2.a. The Strategic Plan 2012-2016*), a training role in education, scientific research and culture.

I.3. A brief history of the "Gheorghe Asachi" Technical University of Iaşi

The cultural tradition of the city of Iaşi has also included preoccupations for the engineering education. Thus the first attempt to lay the foundations of higher education takes place in Moldavia in 1562, by the creation of the Latin School of Cotnari.

The Technical University of Iasi has the oldest tradition of engineering education in Romania, being he upholder of a "class of engineering and land survey in Romanian" that Gheorghe Asachi had initiated and established as part of the Greek Academy of Iaşi ("Academia Domnească"/the Royal Academy) on 15 November 1813, in a decree signed by Scarlat Calimachi. This school could be deemed the core of higher technical education in Moldavia, a type of education that would continue between 1834-1847 at the "Mihăileană" Academy and subsequently at the University of Iaşi, through the School of Industrial Electricity (starting 1910), the Electrical Engineering Institute (1912) and the Department of Technological Chemistry (starting 1911).

On 7 November 1912, the Faculty of Sciences of the University of Iaşi was transformed into an independent division of higher education for the teaching of electrical engineering, applied chemistry and agricultural sciences. This event is the "birth certificate" of what will later become the Polytechnic Institute of Iasi (and the "Gheorghe Asachi" Technical University of Iaşi today), i.e. of the Faculty of Faculty of Electrical Engineering and of the Faculty of Chemical Engineering and Environmental Protection.

A determining moment in the history of the University is represented by the Decision no. 205.660 / 03.12.1937 of the Ministry of National Education, when technical higher education comes out from under the Iaşi University's umbrella; the "Gheorghe Asachi" Polytechnic School of Iaşi is founded, as a distinct institution of engineering higher education, the only higher education establishment authorized, at that time, to confer the engineer degree. The school started its activity on 1 October 1938 with three faculties: Industrial Chemistry, Electrical Engineering and Agricultural Sciences, the first two having their headquarters in Iaşi. The first diplomas were awarded in 1940.

By the 1948 educational reform, the "Gheorghe Asachi" Polytechnic Institute of Iaşi is founded, including four faculties and ten specializations: Industrial Chemistry (Mineral Chemistry, Leather), Civil Engineering, Electrical Engineering, Mechanical Engineering (Thermodynamic Engineering, Hydraulic Engineering, Machine Engineering, Aircraft Engineering), while the length of studies is five years.

The Polytechnic Institute of Iaşi functioned until 1990 with six faculties and many new specializations. In 1990 four new faculties were created, derived from the Electrical Engineering and the Mechanical Engineering Faculties.

In 1993 the name of the "Polytechnic Institute of Iaşi" was replaced with that of "Gheorghe Asachi" Technical University of Iaşi. In 2004, the Architecture Department of the Faculty of Civil Engineering and Building Services became the "G.M. Cantacuzino" Faculty of Architecture; 11 faculties have functioned ever since within the Technical University of Iaşi (**Table 1.1**).

Starting with 2005, the education system is organised in accordance to the Bologna principles, as follows: Bachelor (undergraduate) studies (length of studies of 4 years for engineers and 6 years of integrated studies for architects), Master (graduate) studies (length of studies of 2 years) and Doctoral (postgraduate) studies with a focus on research, with a length of 3 years, as well as post-doctoral and continual training programmes, professional conversion courses and short-run continuing education courses.

Other details regarding the historical evolution of the University are provided in

Annex I.3.1. Synopsis of historical data.

Table 1.*1. Faculties of the "Gheorghe Asachi Technical University" of Iaşi*

No.	Faculty	Year	http://
1.	Automatic Control and Computer Engineering	1990	*www.ace.tuiasi.ro*
2.	Chemical Engineering and Environmental Protection	1937	*www.ch.tuiasi.ro*
3.	Civil Engineering and Building Services	1941	*www.ce.tuiasi.ro*
4.	Machinery Manufacturing and Industrial Management	1990	*www.cm.tuiasi.ro*
5.	Electronics, Telecommunications and Information Technology	1990	*www.etc.tuiasi.ro*
6.	Faculty of Electrical Engineering	1937	*www.ee.tuiasi.ro*
7.	Hydraulic, Geodetic and Environmental Engineering	1962	*www12.tuiasi.ro/facultati/hidro/*
8.	Faculty of Mechanical Engineering	1948	*www.mec.tuiasi.ro*
9.	Material Science and Engineering	1990	*www.sim.tuiasi.ro*
10.	Textiles, Leather and Industrial Management	1952	*www.tex.tuiasi.ro*
11.	"G. M. Cantacuzino" Faculty of Architecture	2003	*www.arhitectura.tuiasi.ro/*

I.4. "Gheorghe Asachi" Technical University of Iaşi today

The "Gheorghe Asachi" Technical University of Iaşi has a major research dimension, being acknowledged since 2011 as an advanced education and research university, with a permanent focus on interdisciplinary research, innovation and knowledge transfer.

The quality of the research staff and their commitment to obtaining high-performance results represent the consistent dynamic of the research activities, of the acknowledgment and visibility our University enjoys at the national and the international level.

Twenty three (CNCSIS accredited) centres of research/excellence and nine research teams at the faculties' level are now functioning within the University, as well as different high-standard laboratories focusing on knowledge creation and transfer.

These research centres and laboratories make possible for the research personnel to apply for domestic and foreign research grants, and for research contracts with the industries or with different government organizations; furthermore, they support the doctoral and post-doctoral research programmes, their activity placing thus our University in the Romanian top list of scientific research.

The School of Invention of Iaşi has a 40-year tradition at the Technical University and created at least 65% of the total amount of patents in Romania over the last 12 years. Consequently, our University won the Creativity Trophy of the State Office for Inventions and Trademarks (OSIM), as well as many other awards as a result of its participating in patent international competitions.

The management and monitoring of the research and innovation activities are achieved by CCTT Polytech.

In 2009 the "Gheorghe Asachi" Technical University of Iaşi was assessed by the Romanian Agency for Quality Assurance in Higher Education (ARACIS), receiving from the ARACIS Board the "High Trust" rating Certificate.

In 2009 as well, our University was accredited as Romanian National-interest Research Institution, following the acknowledgment of the scientific results obtained at a national level for the period 2003 – 2007, being included, in terms of high-performance results, among the first five research universities of the country.

During the national process headed by MECTS for the establishment of Universities' hierarchy, the "Gheorghe Asachi" Technical University of Iaşi was labelled as an advanced research and education University, and classified on the second position among technical universities. The attached assessment report also demonstrates the unity and the very good classification of the University curricula; 11 curricula were A rated and only 3 were B rated, out of the 14 evaluated curricula.

Following the independent assessment process (Research Assessment National Exercise, ENEC) run by UEFISCDI by means of a project funded from Structural Funds, the "Gheorghe Asachi" Technical University of Iaşi got very good results in the evaluation of doctoral and research programmes (3 fields on the 1st place, 5 fields on the 2nd place and 6 fields on the 4th place).

In 2012, with the support of the "Performance in Research, Performance in Teaching – Quality, Diversity, and Innovation in Romanian Universities Project" funded by Structural Funds and coordinated by UEFISCDI, the "Gheorghe Asachi" Technical University of Iaşi was institutionally evaluated by the European University Association (EUA) by means of the Institutional Evaluation Programme (IEP) included in the European Quality Assurance Register. The EUA evaluation report (***Annex I.3.2. EUA Evaluation Report***) confirms, on the one hand, the results of the various preceding national external assessments, but also opens new perspectives as regards the policy of evaluation and assurance of quality and quality management in the University.

The analysis of the Webometrics ranking of Romania's, Europe's and world universities for the assessed period confirms the constantly ascending trend for the "Gheorghe Asachi" Technical University of Iaşi (Table 1.2).

Table 1.2. *TUIASI Position in Webometrics visibility ranking*

TUIASI ranking position	2010	2011	2012	2013	2014
In world universities ranking: Top 12000	1262	1245	1248	1249	1251
In Central and Eastern Europe universities ranking: Top 100	58	65	82	73	65

Source: Regional and Global Ranking of world universities January 2009; July 2010; July 2011; January 2013; January 2014; January 2015, http://www.webometrics .info/

The positions the "Gheorghe Asachi" University of Iaşi held in the Webometrics visibility ranking of Romania's, Europe's and world universities for 2014 are presented in ***Annex I.3.3. TUIASI Position in Webometrics Ranking.***

The first position in the top of Romania's technical universities and the fourth position in the general top of the Romanian universities are to be noticed.

I.5. Faculties and Departments

By the Government Decision 580/ 2014, the "Gheorghe Asachi" Technical University of Iaşi, is structured into 11 faculties. To these one should add the Department for Teacher Training (DTT), directly depending on the University governing body. The structure of the study programmes organized at the faculties' level includes 62 undergraduate and 82 graduate study programmes (***Annex 1.1.4. University structure)***.

I.5.1. The Faculty of Automatic Control and Computer Engineering

The Faculty of Automatic Control and Computer Engineering was established in 1990 by a group of teachers specialized in the fields of Automatic Control and Computer Engineering within the Faculty of Electrical Engineering. The first courses of Automatic Control (1959) and of Computer Engineering (1963) were introduced in the curricula of the Faculty of Electrical Engineering, while in 1977, following the development of these new scientific branches and the experience acquired in these areas by the teaching personnel, a distinct academic programme was conceived in the particular field of automatic control and computer engineering.

The Faculty of Automatic Control and Computer Engineering provide its graduate students, by means of high-quality education, with thorough information in the field of automatic control and systems engineering, as well as in the field of computer science and information technology. Equally important for the faculty's mission is the high standard of scientific research, built upon the tight cooperation with the industry and the academic environment.

Academic curricula: the Faculty of Automatic Control and Computer Engineering organises within its two departments, of Automatic Control and Applied Informatics, and of Computer Science respectively, Bachelor, Master and PhD academic study programmes in two fields: *Systems Engineering* and *Computer Science and Information Technology*.

The former proposes the following academic specialisations: Bachelor's (undergraduate) studies: Automatic Control and Applied Informatics; Master's (graduate) studies: Embedded Control Systems (in a partnership with Continental Automotive Romania), Automatic Control and Systems, Systems and Control (the last one in English).

The latter proposes the following specialisations: Bachelor's (undergraduate) studies: Computer Science and Information Technology; Master's (graduate) studies: Embedded Computers, Distributed Systems and Web technologies; Distributed Systems and Web Technologies (in English).

All academic specialisations are accredited by the Romanian Agency for Quality Assurance in Higher Education (ARACIS), a guarantee for the high standards that the engineer profession involves.

Research: The scientific research takes place in 3 CNCSIS-accredited research centres, as well as within the Doctoral School. The 3 research centres are: Systems Engineering and Information Technology (carrying on the activity of the "Systems Theory and Engineering" Centre of Excellence), Intelligent Programmes and Equipments (C-rated CNCSIS centre) and Automatic Control and Technical Informatics (C-rated CNCSIS centre).

The Doctoral Schools provides 3-4 year study programmes in two fields: Systems Engineering (5 doctoral supervisors); Computer Science and Information Technology (3 doctoral supervisors).

The Faculty is co-organiser of the International Conference on System Theory, Control and Computing, technically co-sponsored by the IEEE Control Systems Society, while the papers are published in the IEEEXplore Digital Library database and indexed in the ISI Web Of Science. Starting with 1991, the Bulletin of the Polytechnic Institute of Iaşi has an Automatic Control and Computer Science section, indexed in international databases and B+-rated by the CNCSIS, which disseminates the results of scientific research in the two fields.

More information is available on the faculty's website: *www.ace.tuiasi.ro*

I.5.2. The Faculty of Chemical Engineering and Environmental Protection

The mission of the Faculty of Chemical Engineering and Environmental Protection is that of an education and research institution assuring training for specialists in the fields of Chemical Engineering, Environment Engineering, Engineering and Management, by means of Bachelor's degree, Master's degree, doctoral and post-doctoral programmes. The Faculty offers opportunities in the fields of scientific research, continuing training and permanent education by research programmes, post-graduate and continuing education courses for school teaching staff, as well as for other types of specialists. Within the Bachelor's (undergraduate) degree programme, there are 9 ARACIS-accredited specializations, as follows: Inorganic substance engineering and environmental protection, Organic substance chemistry and engineering, Petrochemistry and coal chemistry, Polymers science and engineering, Paper engineering, Chemical engineering, Biochemical engineering, Food industry and biochemical technologies, Environmental engineering and protection in industry, Economic engineering in chemical and materials industry. There are also 6 Master's (graduate) degree programmes, all of them accredited by ARACIS: Polymeric biomaterials and bioresources, Food control and processing,

Non-polluting procedures engineering, Pharmaceutical and cosmetic products, Environmental management and Environmental management and sustainable energy (the last in English).

In 2012, the Faculty of Chemical Engineering and Environmental Protection celebrated 100 years of existence and of high-standard results in education and scientific research. Today, the Faculty includes 4 Departments, i.e.: Department of ORGANIC AND BIOCHEMICAL ENGINEERING, including the teams: Organic Substances Engineering, Biochemical Engineering and General Chemistry; Department of NATURAL AND SYNTHETIC POLYMERS, including the teams: Synthetic Polymers, Paper Engineering, Organic Chemistry; Department of CHEMICAL ENGINEERING, including the teams: Inorganic Chemistry, Physical Chemistry, Transfer Phenomena, Applied Informatics and Inorganic Product Engineering; Department of ENVIRONMENTAL ENGINEERING AND MANAGEMENT, including the teams: Environmental Engineering and Management and Analytical Chemistry and Quality Control. The FCEEP is home to the "Polymers" Research Centre of Excellence, within which the Platform of Interdisciplinary Research – Highly Performing Macromolecular Materials works. A second laboratory with exceptional endowment is that of Biochemical Engineering and Biotechnology. Furthermore, the Department of Environmental Management is home to the Centre for research in Environmental Engineering and Impact Evaluation.

The teaching personnel of the Faculty is highly recognized due to the contributions to educational and scientific research programmes in collaboration with renowned Universities worldwide (France, Norway, Germany, Finland, Belgium, Poland, Greece, Spain, Portugal, Italy, United Kingdom, Sweden, Bulgaria, the Netherlands, the Republic of Moldavia, Canada, Japan, Denmark, Mexico, etc.). Annually, the Faculty publishes 180-200 articles in ISI journals, which ensure it excellent world recognition. Following the 2011 Universities' and specializations' classification, the outstanding result the Faculty of Chemical Engineering and Environmental Protection obtained was having all of its three specializations A-rated (top-ranked) in the national hierarchy.

More information is available on the faculty's website: http://www.ch.tuiasi.ro/index.html

I.5.3. The Faculty of Civil Engineering and Building Services

The Faculty of Civil Engineering was established based on the Law Decree no. 989 / 13 November 1948, published in the "Official Gazette" no. 270. In 2011, the Faculty of Civil Engineering and Building Services celebrated 70 years of existence with high educational and scientific research results.

The Faculty of Civil Engineering and Building Services of Iaşi is the only one in Moldavia for this type of engineering, with a large tradition in the engineering education. Its main mission is to create and develop scientific knowledge in the field of civil engineering, which it transfers to the coming generations. Its major objective is to serve the society by continuing lifelong education.

REPORT ON INSTITUTIONAL INTERNAL ASSESSMENT

The Faculty of Civil Engineering and Building Services offers flexible educational opportunities in the fields of Civil Engineering and Building Services Engineering. The specialized training offered within study programmes in Romanian (3 Bachelor's (undergraduate) degree programmes and 9 Master's (graduate) degree programmes) and in English (1 Bachelor's degree programme and 1 Master's degree programme) provides the graduates with immediate hiring opportunities in industrial units, research and design institutes, consultancy offices home and abroad.

The accredited Bachelor's (undergraduate) degree programmes are:

Civil Engineering field, with the sections: Civil, industrial and agricultural constructions; Railways, roads and bridges; Civil engineering (in English).

Building services engineering field, with the section Construction plants.

The accredited Master's (graduate) degree programmes in the field of Civil and Building Services Engineering include: Structural Engineering, Buildings Engineering, Modern Infrastructure for Transportation, Structural Engineering (in English), Geotechnical Engineering, Construction Rehabilitation and Safety Improvement, High Performance Materials and Products for Constructions, Management and Special Technologies in Constructions, Real Estate Evaluation and Administration, Construction plants.

The doctoral studies can be attended within intramural (with or without a scholarship), tuition-based, and joint (home or abroad) programmes, and represent the third cycle of advanced academic training in the fundamental field of engineering studies, in Civil Engineering. The continuing education of the young researchers took place as part of the project 4D-POSDOC (2010-2013) "Sustainability in civil engineering", Evaluation of the life cycle of building works, Evaluation of the impact of non-conventional energies, Using Eco-materials in increasing structural performance of foundation structures and soils.

Presently, the Faculty comprises six departments: Concrete Structures, Building Materials, Technology and Management Department; Infrastructure Engineering Department; Civil and Industrial Engineering Department; Building Services Engineering Department; Structural Mechanics Department; Engineering Graphics Department.

The Faculty's teaching staff continuously aims at adapting to the newest requests of the labour market, by means of professional continuing training, by searching for different methods meant to provide the students with the current and future-oriented knowledge and skills in the field of construction engineering and related disciplines, by introducing new compulsory, optional or elective subjects allowing of an ample and appropriate training of the future civil engineers. The teaching personnel is also involved in a consistent research activity, by doctoral programmes, research grants supported by national or international funds, research/design contracts with the business segment, national/international mobility grants as part of the European Union programmes or programmes carried on by other international bodies.

Within the ERASMUS mobility grants programme for students and teaching personnel, a number of 40 students and teachers of the Faculty benefit from professional and teaching training every year. Furthermore, the students and teaching staff of the partner universities (University of Applied Sciences of Konstanz Germany, Ruhr University of Bochum, University of Sheffield, City University, University of East London, Universida du Catalunya, University of Patras, Napoli University, Firenze University, Universita degli Studi di Udine, Université de Reims, Université d'Artois, Université d'Orléans) come for teaching/professional training at our faculty.

More information is available on the faculty's website: *www.ce.tuiasi.ro*.

I.5.4. The Faculty of Machinery Manufacturing and Industrial Management

The Faculty of Machinery Manufacturing and Industrial Management was established within the "Gheorghe Asachi" Technical University as a result of the natural evolution of academic activity, when the Mechanical Engineering Faculty created in October 1948 was restructured, in January 1990. Between 1990 and 1993, it functioned under the name of Faculty of Machinery Manufacturing Technology, between 1993 and 2007 under the name of Faculty of Machinery Manufacturing and starting 2007, based on the Government Decision 676 / 28.06.2007 it has functioned under the new name.

The Faculty's teaching staff includes 70 teachers organized in five departments: Machinery Manufacturing Technology; Machine Tools and Equipment; Physics; Theoretical Mechanics; and Fluid Mechanics, Hydraulic and Pneumatic Systems and Machines. In the 2014/2015 academic year a number of 1,148 students attend the courses for the Bachelor's degree, Master's degree or doctoral studies programmes of the Machinery Manufacturing and Industrial Management Faculty.

The Faculty's mission is to develop teaching and research activities at all training levels by:

a)	achieving a nationally and internationally competitive, modern higher technical education, training specialists in the following fields: Industrial Engineering, Mechanical Engineering, Engineering and Management.

b)	carrying on activities of scientific research and technological development with a view to developing knowledge and disseminating it by teaching, thus contributing to the scientific and technological progress, as well as to the training of creative specialists, able to achieve high-standard results in their activity fields.

c)	offering scientific, expertise and consultancy services, as well as continuing training programmes to the community and the business environment.

d)	promoting teaching and scientific excellence based on value and results.

The educational offer is structured into three cycles: Bachelor's (undergraduate) degree, Master's (graduate) degree and doctoral programmes. At the completion of undergraduate studies a Bachelor's diploma is conferred, together with the title of Engineer. At the completion of the graduation studies, a dissertation exam is taken and a Master's diploma is conferred. The Engineer or Master's degree graduates can attend the extramural or intramural doctoral studies programme (3 years), completed with a PhD Diploma. The Faculty also organises post-graduation courses and courses for the continuing training of school teaching staff.

The educational offer in the three study fields is structured as follows: Industrial Engineering, with 3 Bachelor's degree programmes (Machinery Manufacturing Technology, Machine Tools and Equipment, Welding Engineering) and 5 Master's degree programmes (Manufacturing Advanced Technologies, Production Management and technologies, Computer-Assisted Design and Manufacturing, Micro-Mechanical Systems, Engineering and Management in Machinery Manufacturing); Mechanical Engineering, with 2 Bachelor's degree programmes (Precision Mechanics and Nanotechnology, Hydraulic and Pneumatic Systems and Machines,) and 1 Master's degree programme (Applied Fluid Mechanics); Engineering and Management, with 1 Bachelor's degree programme (Economic Engineering in Mechanics) and 1 Master's degree programme (Industrial Entrepreneurship).

The Faculty of Machinery Manufacturing and Industrial Management also offers post-graduation training for specialists, post-graduation specializations, continuing training post-graduation courses.

The Faculty promotes national and international cooperation by developing teaching and/or scientific research programmes in partnerships with different universities home and abroad. The research teams of the faculty, made of teachers and students, have kept consistent contacts with the international scientific environment. In the recent years these contacts intensified and developed even more, by student and teacher exchange programmes with countries such as: France, Germany, US, Greece, Portugal, Spain, Belgium, Italy, Denmark, Ukraine, UK, Republic of Moldavia. The common projects target both teaching and scientific fundamental research activities, opened towards different fields – from theoretical to experimental research. These activities can take different forms, such as fundamental research based on internal plans, applied research, research based on contracts and grants, scientific research taking place as part of doctoral activities, scientific cooperation with universities and research centres abroad, organised symposiums, participation in national and international congresses. The Faculty of Machinery Manufacturing and Industrial Management is nationally and internationally acknowledged, with numerous awards and medals won on the occasion of national and international Salons of Inventions.

More information is available on the faculty's website: *www.cm.tuiasi.ro*.

I.5.5. The Faculty of Electronics, Telecommunications and Information Technology

Within the "Gheorghe Asachi" Polytechnic Institute of Iaşi, as part of the Faculty of Electrical Engineering, a department of Applied Electronics was established in the academic year of 1971/1972, whose name becomes, in the academic year of 1975/1976, "Electronics and Telecommunications"; this functions with three specializations: Applied Electronics, Radiotechnics, Telephony-Telegraphy. In 1990, the former Faculty of Electrical Engineering was divided into three distinct faculties (Electronics and Telecommunications, Automatic Control and Computer Engineering, Electrical Engineering). The names of the specializations were specified in the Government Decision no. 1335 / 27 December 2001, published in the Official Gazette, part I no. 36 / 21.01.2002 and amended by Government Decision 682 / 2003 and Government Decision 896/ 2004. The current name of the faculty changed in 2008, following the Government Decision 635 / 2008 (***Annex A.I.5.5. ETIT Charta***).

The Faculty includes four departments: Electronics Fundamentals, Applied Electronics and Intelligent Systems, Telecommunications, and Mathematics and Informatics.

The Faculty of Electronics, Telecommunications and Information Technology currently organises four accredited Bachelor's (undergraduate) degree programmes: Applied Electronic; Microelectronic, Optoelectronics and Nanotechnologies; Telecommunications Systems and Technologies; Telecommunications Systems and Technologies in English; and six accredited Master's (graduate) degree programmes: Digital Radiocommunications; Communications Networks; Advanced VLSI Circuits Design; Advanced Systems in Applied Electronics; Intelligent Electronic Systems and Industrial Informatics; Modern Signal Processing Techniques. The "Telecommunication Systems and Technologies" specialization was accredited following its transformation from the former "Telecommunications" specialization, according to Law 288/2005, in the 4-year Bachelor's degree programme, as part of the field of "Electronic Engineering and Telecommunications", by Government Decisions 88 916 / 2005, and Government Decision 1175 / 2006.

According to its Charta, the "Gheorghe Asachi" Technical University of Iaşi is an advanced research and education University. The Faculty of Electronics, Telecommunications and Information Technology caries on scientific research activities within the framework of the fundamental field of "Engineering Sciences" by three CNCSIS-accredited research centres, acknowledged as Centres of Excellence and coordinated by the Scientific Research Prorectorate; the research and development projects supported by national funds take place within the "Polytech" Research and Technologic Transfer Centre (CCTT Polytech) (**http://polytech.tuiasi.ro**).

The faculty has the adequate infrastructure for all activities involved in the study as well as research programmes it organises. By means of the ongoing research grants, this is continually enriched and updated.

The Faculty of Electronics, Telecommunications and Information technology has cooperation relations and conventions and (Erasmsus) student and teacher mobility programmes with numerous universities and education establishment abroad, from countries such as Belgium, France, Greece, Portugal, Poland, Spain, etc.

More information is available on the faculty's website: **www.etti.tuiasi.ro**.

I.5.6. The Faculty of Faculty of Electrical Engineering

The Faculty of Faculty of Electrical Engineering (***Annex A.I.5.6. EEEAI Charta***) has had an activity of over 75 years in the Technical University of Iaşi; previously, in the period 1910-1937, it also functioned for 27 years as a department of the University of Iaşi. In 2010, the Faculty celebrated the Centenary of Electrical Engineering Education in Romania, a type of education that was started at Iaşi.

The Faculty of Faculty of Electrical Engineering includes 4 departments: Electrical Engineering; Energetics; Electrical Measurements and Electrotechnical Materials; Industrial Automations, Utilisations and Drives; each department organises one or two Bachelor's (undergraduate) degree programmes and one or two Master's (graduate) degree programmes. The departments are established based on the specializations of the teaching staff. The faculty also includes an Administrative office and the Secretariat.

At the executive level, the Faculty is represented by the Faculty Board Office, made of the Dean, the Vice-Deans, the Department Directors, the Chief Administrator and a Trade Union representative; at an operational level it is represented by the Faculty Board.

Bachelor's (undergraduate) degree programmes: Electrical Engineering field: Power Electronics and Electric Drives; Electromechanics, Instrumentation and Data Acquisition Systems, Electrical Systems, Computers and Electrical Engineering (in English). Energetics field: Electrical and Energetics Systems Engineering, Energy Management, Thermal Energetics; Engineering and Management field: Economic Engineering in Electrical, Electronics and Energetics Fields; Applied Engineering Sciences field: Applied Informatics in Electrical Engineering.

Master's (graduate) degree programmes: Electrical Engineering field: Energy Conversion and Motion Control, Advanced Electrical Systems, Information Systems for Environment Monitoring; Energetics Engineering field: Environment-Energy Management, Energy Systems Management; Engineering and Management field: Engineering and Management in Context of Globalization.

Postgraduate studies: Energetics field: Power and Energy Balance, Thermal and Energy Balance, Energy Management, Energy Quality Management.

The doctoral studies take place within the Doctoral School. The Faculty has 13 doctoral supervisors and 37 doctoral students. The Electrical Engineering and Energetics Engineering fields are covered.

The Faculty is home to 3 research centres: Energ, Metros and SCECM, of which the Metros centre received the title of Research Centre of Excellence. Over the last 10 years, the research carried out here has concerned over 33 research projects and grants, obtained by competition, while over 100 scientific papers have been published. On the occasion of the last national evaluation process, the Faculty was A-rated, among the first 5 in Romania.

The Faculty has education and research spaces in three buildings (E, EN and TEX6), totalising an area of 6,541.64 square meters, and auxiliary spaces of 865.65 square meters. The Faculty's assets amount to about 39 million lei in terms of fixed assets, and to about 1 million lei in terms of low-value assets. The number of computer units amounts to 435, out of which 305 are used in the educational process and 116 are used by the teaching staff.

The teaching and research personnel of the Faculty cooperates at both levels with European countries (10), Asia (2) and USA. International (Erasmus+, Erasmus Mundus, NATO), mobility programmes take place every year within the research projects or individually. Furthermore, the Faculty is visited annually by foreign students or teachers, as part of the Erasmus grant mobility programmes, working visits, internship programmes.

More information is available on the faculty's website: **www.ee.tuiasi.ro**

I.5.7. The Faculty of Hydraulic, Geodetic and Environmental Engineering

The Hydraulic Engineering Faculty of Iaşi was established within the Polytechnic Institute – currently the "Gheorghe Asachi" University of Iaşi, on 1 October 1962; it included two specializations: Agricultural Hydraulic Engineering (Land Reclamation) – founded in 1948 at Galaţi and transferred in 1959 at Iaşi; Hydraulic Constructions and Services – founded in 1961 and later called Hydraulic Constructions.

In 1986 the Faculty was incorporated in the structure of the faculty of Civil Engineering, and starting with the academic year 1990-1991, the Hydraulic Engineering becomes again an independent Faculty of the Polytechnic Institute of Iaşi, with its two specializations to which two new programmes are added: "Environmental Engineering" and "Cadastral Surveying". The main objective of the Faculty is to train students at highest quality standards, with a view to becoming highly qualified specialists in the accredited specializations of the hydraulic field.

The Faculty of Hydraulic Engineering trains engineers in three fields and four specializations, as follows:

Bachelor's (undergraduate) degree programmes: Civil Engineering (specializations: Hydraulic Design and Constructions, Land Reclamation and Rural Development); Environmental Engineering (specialization: Environmental Protection and Engineering in Agriculture); Geodetic Engineering (specialization: Surveying and Cadastral Surveying)

Master's (graduate) degree programmes: Civil Engineering (specializations: Hydraulic Engineering, and Modernization of Hydraulic, Hydro-Improvement and Urban Systems); Environmental Engineering (specialization: Environmental Factors Engineering and

Management); Geodetic Engineering (specialization: Modern Techniques of Structural Works Monitoring).

Since September 2005, the Doctoral School Department has been working within the Faculty, in the field of Civil Engineering. Starting the academic year 2008-2009, the "Doctoral Scholarships – Investment in Intelligence BRAIN" POS-DRU programme has been working. In 2008, a number of 12 research grants amounting to 1,804,000 lei were carried out at the level of the Faculty. The total value of the Faculty's equipment amounts to 1,515,000 lei.

Over the last five years (2010-2014), the faculty has trained: over 700 graduates, engineers working in Romania and abroad, in research, design, execution, exploitation, public services, private companies.

The Faculty has cooperation relations with civil engineering and exploitation companies, with bodies from the "Romanian Waters' National Administration, with the Environmental Inspectorates", etc.

The Faculty has had and maintains cooperation relations with a series of Universities and Research Institutes abroad, among which: the Polytechnic Institute and the Agriculture State University of Kishinev, VRIJE Universiteit - Brussels (VUB), Caledonian University of Glasgow, Instituto Superior de Agronomia Lisabona, Universidade Tecnico de Lisabona, Instituto Superior Tecnico, Université du Côte d'Opal Dunkerque, Université Pierre et Marie Curie - Paris 6, I.S.M.E.S. Bergame, B.R.G.M. Orléans, L.N.E.C. Lisbon, Harvard Institute for International Development Boston, École Nationale Supérieure d'Hydraulique Grenoble, Université de Poitiers, Universita degli Studi di Padova, Universita degli Studi di Pavia, University of Alexandropolis, Technical University of Chania (Creta), École Polytechnique Fédérale de Lausanne, Technical University of Budapest, Agrar University of Debrecen, VITUKI Budapest, Hungarian Hydrological Society, Ecology and Hydrology Centre Wallingford (UK), HYDER Consulting (UK), University of Ottawa (Canada), Association des Inventeurs et Innovateurs de la Région Midi-Pyrénées, France.

More information is available on the faculty's website: **http://www12.tuiasi.ro/facultati/hidro/**

I.5.8. The Faculty of Mechanical Engineering

The foundation of the "Gheorghe Asachi" Polytechnic School of Iaşi in 1937 represented the beginning of modern technical education in Moldavia. In 1948, the Mechanical Engineering Faculty is established within the Polytechnic Institute of Iaşi, with four specialization areas (Thermo-Science, Hydraulic Engineering, Work Machines and Air/Watercraft Engineering), representing the first form of organisation of the mechanical engineering education at Iaşi, following the rapid development of industry after WW II. In 1990, the Faculty of Machinery Manufacturing and the Faculty of Materials Science separate from the Mechanical Engineering Faculty. In 1993, the Polytechnic Institute becomes the "Gheorghe Asachi" Technical University of Iaşi.

As far as the Bachelor's (undergraduate) degree and Master's (graduate) degree programmes are concerned, the educational offer comprises 3 areas of study: Automotive Engineering, Mechanical Engineering and Mechatronics and Robotics.

Bachelor's (undergraduate) degree specialisations: Automotive Vehicles, Automobile Manufacturing, Vehicle Propulsion System Engineering, Thermal Systems and Equipments, Machines and Services for Agriculture and Food Industry, Mechanical Engineering, Mechatronics, Robotics.

Master's (graduate) degree specialisations: Automotive Design and Project Management (cooperation with Renault Research and Development Centre of Bucharest); Safety and Performance of Road Traffic, Systemic of Self-Propelled Transportation; Technical Operation of Automotive Vehicles, Technical Diagnose and Expertise in Mechanical Engineering, Thermal Machines, Refrigeration and Air-Conditioning, Non-Pollutant Techniques in Food Industry, Railway Transportation Systems, Advanced Mechatronics, Robotic Systems.

The Doctoral Studies concern two possible fields: Mechanical Engineering and Materials Engineering.

The teaching personnel, amounting to over 60 persons, are organized in two Departments, Mechanical and Automotive Engineering (IMAR) and Mechanical Engineering, Mechatronics and Robotics (IMMR). As regards the research activity, they are part of three teams, out of which 2 research centres of excellence, in Mechanical Engineering and Mechatronics, and in Road safety respectively.

The quality of scientific research over the last 5 years is quantifiable by means of scientific papers published in well-known journals (over 200 ISI publications, 1,000 ISI citations, 300 international database indexed publications), research contracts (over 30 grants won by competition and private contracts at a national and international level), completion of over 40 doctoral theses, invitations to prestigious events home and abroad, over 15 patents and innovations, over 20 meals and award diplomas.

All these achievements were made possible by the high-standard professional training of the personnel, as well as by the remarkable infrastructure of the faculty: modern buildings, laboratories and research centres endowed with equipment amounting to over 5 million euro.

The international recognition of the Faculty of Mechanical Engineering follows its cooperation with counterpart faculties from more than 25 European Universities (as part of the Erasmus+ programme, in Belgium, Germany, Greece, France, Italy, the Netherlands, Poland, Spain, Portugal, Turkey) or from America (USA and Canada) and Asia (Israel, Pakistan), by bilateral programmes (visiting students and teachers, joint supervision, etc.).

More information is available on the faculty's website: **http://www.mec.tuiasi.ro**

I.5.9. The Faculty of Materials Science and Materials

Metallurgical engineering education was established within the Technical University of Iaşi in 1977, as part of the Faculty of Mechanical Engineering, following the development of metallurgical industry in North-Eastern Romania. The Faculty became independent in 1990, initially under the name of Faculty of Metallurgy, while its current name was determined in 1993.

The Faculty offers eight study programmes for Bachelor's (undergraduate) degree and the Master's (graduate) degree in three fields:

- Undergraduate – Materials Science, Materials Processing Engineering, Industrial Processes Equipments, Industrial Safety Engineering.

- Graduate – Advanced Materials and Techniques of Experimental Analysis, Advanced techniques in Materials Processing Engineering, Industrial Systems for Modern Technologies, Labour Safety and Health Engineering.

The Faculty is organised in three departments: Materials Engineering and Industrial Safety, Materials Science, and Technologies and Equipments for Materials Processing; and two centres: Materials Engineering and Labour Safety and Health.

The Faculty also has an advanced education programme by doctoral studies, as well as post-graduation specialization courses.

The research areas approached by the teaching staff, the doctoral and graduate students include the specific specialized fields, such as: advanced materials, modern technologies for the production and processing of metallic materials.

Infrastructure:

The Faculty provides the infrastructure corresponding to a high quality educational process: 2 amphitheatres, 2 seminar halls, 16 laboratories and 3 workshops for technological training. Significant laboratories: electronic and atomic power microscopy, differential calorimetry and dilatometry, mass spectrometry, mechanical trials, surface engineering.

The Faculty cooperates with educational and research institutes from Germany, Belgium, France, Italy, Spain, Turkey, Ukraine, Japan, USA.

More information is available on the faculty's website: **http://www12.tuiasi.ro/facultati/sim/**

I.5.10. The Faculty of Textiles, Leather and Industrial Management

The Faculty of Textiles, Leather and Industrial Management in Iaşi undertakes the mission of training engineers and managers who will have the necessary technical, technological, economic and managerial skills to adapt themselves to the market economy requirements and to new technologies, with real chances in the competition taking place on the domestic and international labour market. As a form of higher education, the TLIM Faculty was established in 1934, at Bucharest, under the name of "College of Advanced Textiles". This was the first specialized faculty in the country, and the only one offering specializations for all the

textiles and leather industry sectors. In Iaşi it has functioned starting 1952, and in 1955 it was incorporated to the "Gheorghe Asachi" Polytechnic Institute. Currently, the Faculty includes four departments, assuring the production, dissemination and exploitation of knowledge in the specialized fields, i.e.: Textile Engineering and Design Department, Knitting and Clothing Engineering Department, Chemical Engineering in Textiles and Leather Department, Engineering and Management Department.

The TLIM Faculty offers educational programmes at Bachelor (undergraduate) level of 4 years, covering three areas (Industrial Engineering, Engineering and Management, Chemical Engineering), for the following specializations: Industrial Design, Textiles Technology and Design, Clothing and Knitting Technology, Leather and Substitute Apparel Technology and Design, Economics and Industrial Engineering, Textiles Chemical Technology and Leather and Substitutes Chemical Technology. Furthermore, the Faculty organises Master's (graduate) degree programmes of 2 years, for the specialisations: Advanced textiles, Fashion Design, Quality Assurance for Textiles and Leather, Innovative Production Systems in Clothing, Textiles Industrial Design, Advanced Knitting Technologies, Clothing Design and Modelling, Developments in Footwear and Leather Products Designing, Advanced Processing of Protein Resources, Eco-design in Textile Finishing, Engineering and Management in Production of Goods and Services, Innovation and Entrepreneurship, Management and Business Administration, European Project Management in Engineering, Industrial Marketing.

Starting 2011, the TLIM Faculty is home to the "Textiles, Leather and Industrial Management" research team and the "Research Centre for Advanced Processes, Materials and Products". Scientific research has represented a consistent activity for the teaching staff and students of our faculty, resulting in many national and international projects, as well as in the continual improvement of the research infrastructure of the faculty's 13 laboratories.

The Faculty actively cooperated with Universities from over 20 countries all over the world, materialized in: mobility programmes for students and teaching staff; conferences, symposiums, seminars; specialized publications exchanges; educational and research projects. Internationalization of the Textiles, Leather and Industrial Management Faculty has been and stays a priority objective. Starting 1995, the Faculty is an AUTEX member (European Association of Universities for Textiles), while since 1999, the faculty's specializations have been acknowledged by FEANI (European Federation of National Engineering Associations). Currently, the faculty is a member of the most important professional bodies and academic networks in Europe and worldwide. The faculty's joining these international associations and bodies resulted in its implication as a partner or director of European projects within the Crosstexnet, FP7, INTERREG, Leonardo da Vinci, Erasmus Mundus frameworks. Participation in the international research or educational projects has become a constant preoccupation of

the faculty, so that at present we can speak of 19 international projects that were successfully completed in 1996-2014 and 4 ongoing projects for the next period, i.e. 2015-2017.

In Romania there are over 4,000 companies specialised in textiles, knitting, clothing, footwear and leather production. The jobs supply for the textiles and leather sector in our country exceeds every year the number of graduates. The educational process provides students with the necessary skills to be hired in coordinating and managerial positions in all the sectors of the textiles and leather industry, the engineers our faculty trains representing a highly valued professional group by the specialized companies.

The Faculty's teaching staff is very well trained, enjoying national and international recognition. The students benefit from the high-quality infrastructure: modern amphitheatres, laboratories endowed with latest technologies, computer systems for both the product designing, and the designing and control of manufacturing processes, advanced equipments for study and research.

More information is available on the faculty's website: **http://www.tpmi.tuiasi.ro/**

I.5.11. The "G.M. Cantacuzino" Faculty of Architecture

The "G. M. Cantacuzino" Faculty of Architecture functions within the "Gheorghe Asachi" Technical University of Iaşi in a system of integrated studies with a length of 6 years, and being regularly evaluated every five years.

The Architecture specialization was created at Iaşi in 1970, at the same times as those of Cluj and Timişoara, incorporated in the Faculties of Civil Engineering of the Polytechnic Institutes in question. After an interruption between 1980-1989, in 1990 activity was resumed with a new status, that of Department, included in the Faculty of Civil Engineering nad Architecture of the "Gheorghe Asachi" Technical University of Iaşi; starting the academic year 2003-2004, it becomes an independent faculty within the same University. Since 2012, the Faculty of Architecture has benefited from the acknowledgement of its diplomas by the EU countries, in accordance with the Directive 2005/36/CE. The Decision was published in the "Official Journal of the European Union", the 14 August 2012 issue.

The Faculty of Architecture headquarters is the "A" building, designed and built since 1983 as seat of the Architecture Department, at the initiative and with the direct contribution of the teaching staff. Besides the spaces meant for the design courses, general courses and seminar, the Faculty also has multimedia studios for specialized courses, an applied informatics laboratory for computer-aided design in architecture and urban planning, a studio for Form Study courses and its own Library Hall.

The two Departments (Architecture and Urban Planning) of the faculty include 28 tenured and 21 associate teaching staff. The Faculty's teaching staff made of architects, engineers, artists enjoying wide recognition in their profession, with a continuous teaching and research activity in this faculty.

Since 2004, the Faculty has developed partnerships within the Erasmus – Socrates programme with universities from Belgium, Portugal, Italy, Greece, France, Spain, Poland, Slovenia and Turkey, resulting in student and teachers mobility grants. Thus, in the academic year of 2013/2014, these programmes materialized in outgoing mobility grants for 38 students, 4 incoming mobility grants from Italy and Spain, and placement for 17 students. In the same academic year, 10 of our teachers benefited from Erasmus mobility grants, as well as 2 incoming teachers from Spain.

The high standards of the teaching process are recognized, first of all, by means of the results obtained in different national and international architecture contests and student competitions, as well as by the high degree of employability of our graduates, in Romania and abroad, the employers highly valuing their training standard.

More information is available on the faculty's website: ***www.arhitectura.tuiasi.ro***

I.5.12. The Department of Teacher Education and Training

The Department of Teacher Education and Training was established by the Decision of the Technical University of Iasi Senate no. 511/13.04.2000 and regulated in accordance to the Ministry of Education and Research Order no. 3404/21.03.2002. Its mission was that of initial training of the teaching staff in the technical field. Subsequently, by internal TUI Decisions, the organisational structure of DTET was amended, new teams joining it; the last structural amendment was made by the TUI Senate Decision no. 153/27.09.2013.

Currently, the DTET is an organisational structure directly depending on the Senate of the "Gheorghe Asachi" Technical University of Iaşi, being composed of five teams:

- the chair of Education Sciences;
- the chair of Social Sciences;
- the chair of Foreign Languages;
- the chair of Physical Education and Sports;
- the chair of Economics and Marketing.

The abovementioned chair teams have specialised curricula for the respective fields, addressing all students of the "Gheorghe Asachi" Technical University of Iasi, and meeting the students' training needs in these areas.

The programme of psychology of education provided by the DTET of TUI is carried on in accordance with the MECTS Order no. 5745/13.09.2012 in regard to the approval of the Framework-Methodology for the organisation of the training programmes in educational psychology, with a view to the certification of the competences needed in the teaching profession, and of the Internal Methodology approved by the TUI Senate by the Decision no. 15837/ 25.09.2012.

The students' training for the teaching career, according to the current legislation, is made as part of the optional activities, the curricula for the initial educational psychology training, established at a national level, being included in the curricula of the specialization/faculty in question.

The DTET established by the Strategic Plan 2012-2015 the following strategies of scientific research:

1. Participation in the research-development-innovation project calls, by national and international programmes.

2. Stimulation of individual and team research at the level of the DTET of TUI, by participating in symposiums, scientific workshops and conferences, resulting in the publication in ISI, B-rated or B+-rated (international database indexed) journals, the Bulletin of the Technical University - Social Sciences and Arts section, or at publishing houses.

3. Establishment of partnerships for educational research with the University faculties, other national and international universities, local and national institutes.

4. Dissemination of research results obtained by the teams of specialists in the DTET and the associated organisations.

The DTET headquarters is in the building of the Faculty of Chemical Engineering, on the 3rd and the 5th floors, amounting to a more than 500 square metre general surface.

The DTET infrastructure includes:

a) Teaching spaces – seminar hall, CIT equipped, CH8C, 98 sm

b) Teaching spaces - seminar hall, CIT equipped, 463, 98 sm

c) Methodical computer-equipped laboratory – CH-7C, 80 sm, 22 computer network

d) Educational Counselling office – individual and small groups - 30 sm

e) Laboratory of technical creativity and social progress – 30 sm

f) Individual offices – 59 sm

g) Administrative area – 98 sm

The teaching activities of the chairs of Social Sciences, Foreign Languages, Physical Education and Sports take place within the faculties concerned, which assure course and seminar rooms, laboratories for practical activities, spaces for sports activities.

The International Relations are established by each chair individually. We can mention here cooperation relations with An Sjolin - Stockholm University, Sweden; Joao Gouveia - Escola Superior de Educacao; Paula Frassinetti - Porto, Portugal; Christine Pense - Northampton Community College, USA; George White - College of Education, Lehigh University, Pennsylvania, SUA; Université Montpellier 2 Sciences et Techniques, University college Algebra – HR, DICLE UNIVERSITY Turkey, Technical University Sofia BG, T. University Vilnius, LT, Université de Lorraine, France, International free University of the Republic of Moldavia, Université Ibn Tofail Kénitra (Morocco).

II. THE DYNAMICS OF THE UNIVERSITY PERFORMANCE OVER THE LAST FIVE YEARS

The "Gheorghe Asachi" Technical University of Iaşi is an accredited advanced higher education and research institution, externally assessed by ARACIS with the "High Trust" rank, which function under the coordination of the Ministry of Education and Scientific Research, according to the Government Decision no. 26/ 2015.

II.1. The dynamics of University performance in the area of teaching activity

The "Gheorghe Asachi" Technical University of Iaşi is an advanced higher education and research public institution, whose mission is to carry out specific creative, innovating exploitation of knowledge and transfer to society activities, in the fundamental study areas of Engineering Sciences, Architecture and Urban Planning, as well as in the interdisciplinary and complementary fields, in the local community, at the regional, national and international levels.

The "Gheorghe Asachi" Technical University has had an important tradition in the engineering, scientific and cultural, education, enjoying national recognition, as well as a distinct a visible position on the international stage. The University trains highly qualified engineers for almost all industrial sectors, able to meet with rapidity and efficiency the innovation, research and development needs of the business environment. The University also provides programmes of continuing updating of professional competences for engineers, in accordance with the global changes brought forth by the social and economic environment.

Starting with 1990, the "Gheorghe Asachi" Technical University structure (tab.1.1) has gone through a series of changes meant to achieve the adaptation to the youth educational requirements and to the supply and needs identified on the labour market.

Currently, the "Gheorghe Asachi" Technical University of Iaşi is home to 11 faculties and a department directly depending on the University. Within this framework take place the Bachelor's (undergraduate) degree, Master's (graduate) degree, doctoral studies and post-graduation continuing education activities and, interdependently, the activities of scientific research. All these activities involve 769 tenured teaching staff and 13,755 students. The number of students has shown over the last four years a decreasing trend (Table 1.3).

Table 1.3. *Evolution of number of students in 2010 - 2014* (based on 1January 2015)

Number / Year	Total, out of which in:	Bachelor's degree studies	Master's degree studies	Doctoral studies	School teaching degrees
2010/ 2011	16469	11991	3512	798	168
2011/ 2012	15805	11418	3432	823	132
2012/ 2013	14851	10608	3716	583	52
2013/ 2014	14310	9987	3827	433	63
2014/2015	13755	9497	3718	478	62

In order to meet today's educational requirements and labour market demands, the "Gheorghe Asachi" Technical University of Iaşi has continually expanded and diversified its educational offer. The dynamics of the study programmes is shown in Table 1.4.

Table 1.4. *Evolution of number of study programmes in 2010– 2014*

Categories Year	Bachelor's degree studies	Master's (graduate) degree studies	Master's postgraduate degree studies	Post-graduation	Doctoral studies
2010/ 2011	61	78	5	148	13
2011/ 2012	64	77	-	-	13
2012/ 2013	61	78	-	106	13
2013/ 2014	61	81	-	106	13
2014/ 2015	62	82	-	111	13

In the University activities, on the whole, there are 1,610 employees involved, out of whom 1,311 in the core funding area (763 of them being tenured teaching staff, and 548 adjunct teaching staff and administrative staff) and 299 are funded from other sources, out of whom 170 from subventions from the Student Services Office. More details regarding the dynamics of jobs are provided in Table 1.5.

Table 1.5. *Jobs chart for 2014*

No.	Funding source	No. of jobs		
		Total	Occupied	Vacant
1	Core funding	1918	1311	607
2	Subventions – Student Services Office	196	170	26
3	Internal incomes	64	19	45
	Faculties and Departments	12	5	7
	Centres	37	0	37
	DSS	15	14	1
	Total jobs	**2178**	**1500**	**678**
4	Research Centres Teams C.C.T.T Polytech	720	110	610
	Total per University	**2898**	**1610**	**1288**

The quality of the teaching staff is also certified by the scientific and honorific awards granted to the tenured personnel: 4 Professors are members of the Romanian Academy, 22 are members of the Academy of Technical Sciences or of the Academy of Scientists, there are many members of different scientific societies, and many of them were conferred scientific awards and/or decorations.

In the Table 1.6, the situation of the job chart occupancy is presented for the last five academic years (starting 31.12.2014)

Table 1.6. *Evolution of tenured teaching personnel (*jobs*: O - occupied, V - vacant, T - total)*

Academic yr.	Total	out of which:		Professors			Associate Professors			Lecturers			Assistant Professors			Adjunct Assistant Professors		
	jobs	O	V	T	O	V	T	O	V	T	O	V	T	O	V	T	O	V
2010/ 11	1099	792	307	235	212	23	266	218	48	320	208	112	245	127	118	33	27	6
2011/12	1077	753	324	219	190	29	249	208	41	386	233	153	218	117	101	5	5	0
2012/13	1061	735	326	204	175	29	252	208	44	403	253	150	198	95	103	5	5	0
2013/14	1136	793	342	222	176	46	248	205	43	424	255	169	241	156	85	1	1	0
2014/15	1071	763*	308	212	177*	35	220	190	30	437	271	166	201	125	76*	1	0	1

*Note: 25 are employed for a definite period

In the academic year 2014/2015, the 308 vacant jobs are substituted by the tenured personnel and adjunct teaching personnel – made of 111 specialists recognized for their professional knowledge and experience (69 teaching staff from within the University and 42 external ones), contributing to an adequate teaching activity.

The Library employee number amounts to 30, out of whom 29 are specialized librarians, and one person works as a system engineer. The personnel of the library attended higher or high school education courses and graduated from post-graduation or specialized courses in library and information sciences.

II.2. The dynamics of performance in the financial-economic activity

Under the coordination of the *Vice-Rectorate for the University Strategy*, the main objective of the financial management is to ensure the accounting records, which should constitute the basis for a realistic analysis of the funding system, as well as to ensure an efficient management of each resource. Accounting was done using specialized information systems: SICOB, EMSYS, MENTOR and the methods for financial management have ensured transparency, decentralization and information in real time. The financial strategy is built and implemented on these grounds.

The methodology for budget allocation to faculties was the same as the methodology for the allocation of the core funding to universities. Thus, starting 1999, the distribution of funds is made according to the number of budget students, to the average cost per student in the respective fields, in accordance to the principle of "resources follow the students"; starting 2003, the qualitative indicators are also considered.

Starting with 2012, the sums established for core funding and supplementary funding of a higher education institution coming from the budget of the Ministry of National Education are distinctly underlined in the institutional contract.

The Administrative General Direction of the University allocates the distributed sum for the core funding, the supplementary funds and the funding for institutional development, out of which a sum is allotted to the funding of doctoral grants for the doctoral students matriculated in the academic years of 2011-2012, 2012-2013, 2013-2014.

The amount is allotted as follows:

➢ Core funding (CF): 62.09 %;

➢ Supplementary funding (SF): 24.24 %;

➢ Funding for 276 doctoral grants, 1st, 2nd and 3rd years of study;

➢ The undertaking by the higher education institutions of an active role at a local and regional level (LSF) + funding for institutional development (IDF) + special situations (at the University level): 4.99 %;

➢ Final and irrevocable sentences for the years 2014 and 2015: 15.84 %.

In the Fig. 2.1 and Table 2.1., there is a situation of the core funding in 2002-2014.

The indicator usable area/students had a different evolution for each faculty, according to Table 2.2.
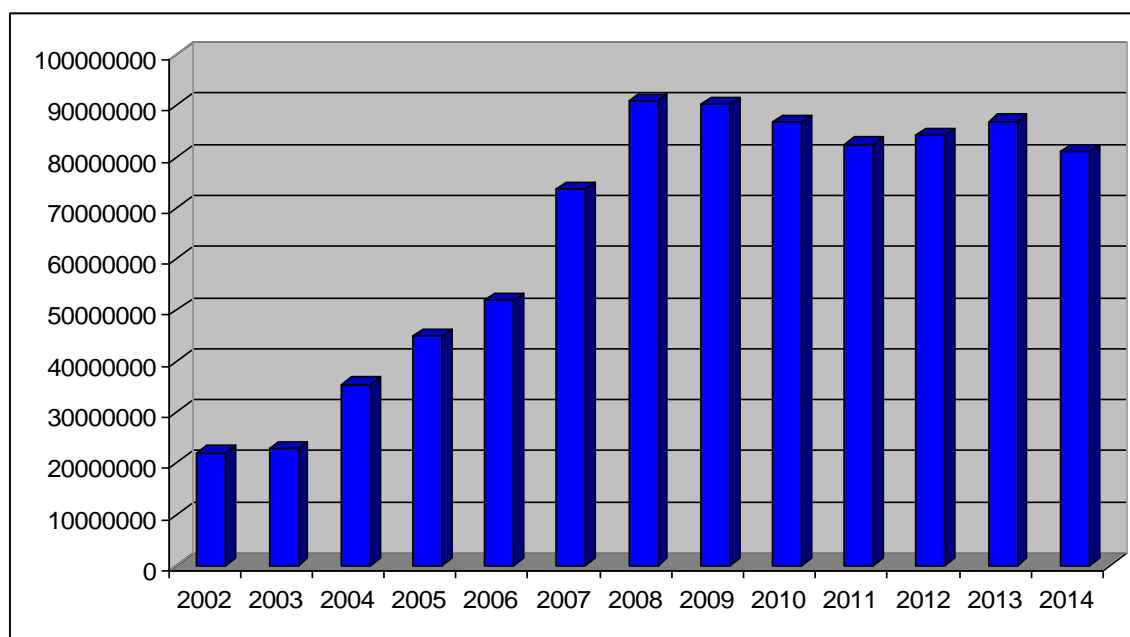
Fig. 2. *Graphic of core funding*

Table 2.1. *Evolution of core funding in 2002 – 2014*

No.	Year	Core funding (lei)	Increases %	Allotting according to:		No. quality indicators
				Equivalent students (%)	Quality indicators (%)	
0	1	2	3	4	5	6
1.	2002	21,994,105	100	100	-	-
2.	2003	22,899,290	104	87.3	12.7	13
3.	2004	35,447,839	161	87.3	12.7	13
4.	2005	44,811,368	204	87.3	12.7	13
5.	2006	51,828,528	236	80	20	13
6.	2007	73,633,672	335	75	25	12
7.	2008	90,856,733	414	70	30	13
8.	2009	90,216,747	410	70	30	16
9.	2010	86,869,166	395	70	30	16
10.	2011	82,491,004	375	70	30	16
11.	2012	84,289,069	383	-	-	-
12.	2013	86,983,071	395	100	-	-
13.	2014	81,066,447	369	100	-	-

Table 2.2. *Evolution of the indicator **usable area/student** in 2010 - 2014*

Nr. crt.	Faculty	Indicator		Year					Aver. diff. in 2014
				2010	2011	2012	2013	2014	
1	Automatic Control and Computer Engineering	Usable area (sm)	AC	4203	4169	4126	4126	4126	
		No.students		1335	1361	1369	1397	1391	
		area/stud (m^2/stud)		3.15	3.06	3.01	2.95	2.97	-3.15
2	Chemical Engineering and Environmental Protection	Usable area (sm)	ICPM	13602	13594	13561	13561	13561	
		No.students		1259	1225	1157	1071	1014	
		area/stud (m^2/stud)		10.8	11.1	11.72	12.66	13.37	7.25
3	Civil Engineering and Building Services	Usable area (sm)	CI	14259	14259	14282	14282	14282	
		No.students		4060	3715	3261	2964	2595	
		area/stud		3.5	3.8	4.3	4.8	5.5	-0.62

No	Faculty	Metric	Code						
		(m²/stud)		1	4	8	2		
4	Machinery Manufacturing and Industrial Management	Usable area (sm)	CMMI	8656	8701	8994	8994	8994	
		No.students		1244	1228	1113	1098	1118	
		area/stud (m²/stud)		6.96	7.09	8.08	8.19	8.04	1.92
5	Electronics, Telecommunications and Information Technology	Usable area (sm)	ETTI	4829	4820	4835	4835	4835	
		No.students		1029	1066	1017	993	1097	
		area/stud (m²/stud)		4.69	4.52	4.75	4.87	4.41	-1.71
6	Faculty of Electrical Engineering	Usable area (sm)	IEEIA	9646	9667	9759	9759	9759	
		No.students		1711	1749	1637	1525	1525	
		area/stud (m²/stud)		5.64	5.53	5.96	6.4	6.4	0.28
7	Hydraulic, Geodetic and Environmental Engineering	Usable area (sm)	HGIM	4331	4337	4308	4308	4308	
		No.students		1378	1312	1249	1207	1165	
		area/stud (m²/stud)		3.14	3.31	3.45	3.57	3.7	-2.42
8	Faculty of Mechanical Engineering	Usable area (sm)	MEC	8056	8103	8103	8103	8103	
		No.students		1482	1553	1587	1530	1504	
		area/stud (m²/stud)		5.44	5.22	5.11	5.3	5.39	-0.73
9	Material Science and Engineering	Usable area (sm)	SIM	2621	2615	2622	2622	2622	
		No.students		1112	1175	1138	1082	1025	
		area/stud (m²/stud)		2.36	2.23	2.3	2.42	2.56	-3.56
10	Textiles, Leather and Industrial Management	Usable area (sm)	TPMI	15998	15847	15878	15878	15878	
		No.students		1429	1544	1544	1449	1309	
		area/stud (m²/stud)		11.2	10.26	10.28	10.96	12.13	6.01
11	"G. M. Cantacuzino" Architecture Faculty	Usable area (sm)	ARH	1179	1179	1179	1179	1179	
		No.students		468	519	521	535	567	
		area/stud (m²/stud)		2.52	2.27	2.26	2.2	2.08	-4.04
	TOTAL UNIVERSITY	Usable area (sm)	TUIASI	87379	87289	87647	87647	87647	
		No.students		16507	16447	15593	14851	14310	
		area/stud (m²/stud)		5.29	5.31	5.62	5.9	6.12	

Remarks: The "number of students" includes the following categories of students and enrollees (budget and tax studies): Bachelor's (undergraduate) degree students, day and evening classes systems; Master's (graduate) degree students; doctoral students, intramural and extramural; school teacher degrees students.

II.3. The dynamics of performance in scientific research activities

The results obtained over the last 4 years in grant activities, at the level of all faculties within the "Gheorghe Asachi" Technical University of Iaşi, are presented in graph 3.1.

In 2010-2014, scientific research in the "Gheorghe Asachi" Technical University of Iaşi had an evolution that confirmed the previously established trends of scientific research, demonstrated by the number of research grants won in national and international competitions, by the number of specialized CNCSIS recognized publications (in B+ or B-rated journals), by the number of papers published in ISI journals or journals indexed in international databases, by the number of papers presented in international conferences and by the number of patents (Table 3.2).
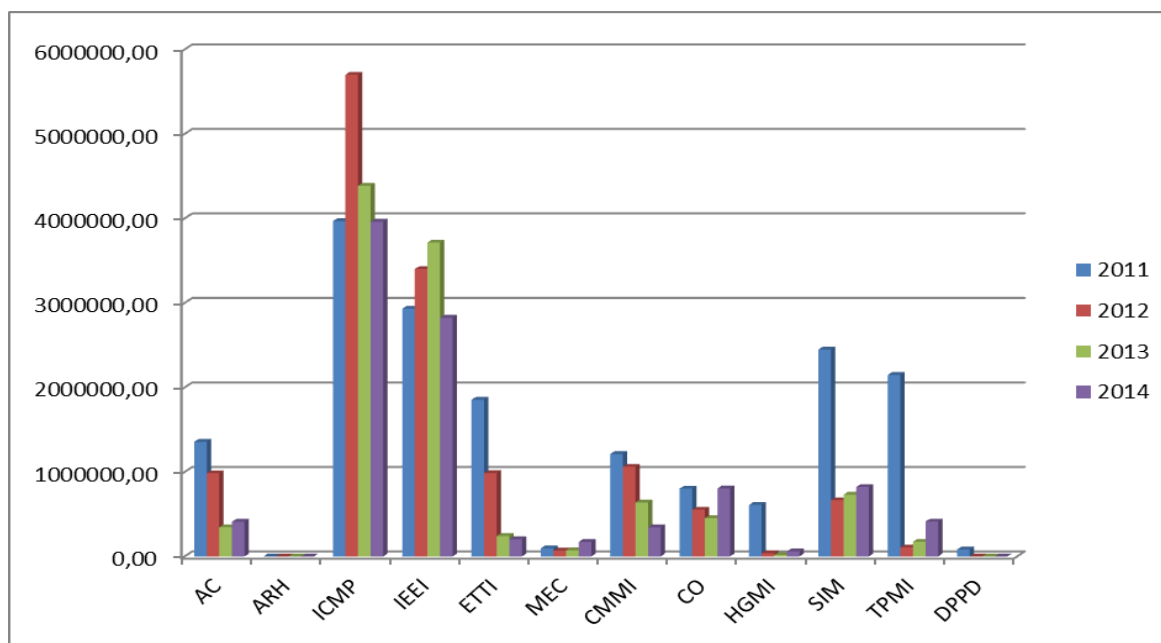
Fig. 3.1. *Results over the last 4 years of scientific research, by faculties*

Table 3.2. *The dynamics of the research activity*

Results		2010	2011	2012	2013	2014
National grants amount collected (RON)		13111095	17511477	13564886	10771960	10012996
International grants amount collected (RON)		2166235	2106385	5033442	21143792	7431633
No. of published papers	ISI and ISI Proceedings	370	342	577	600	563
		136	171			
	International databases indexed (including B+	365	357	85 (without B+)	126	138 (without

						B+)
	Romanian journals CNCSIS-acknowledged (B category)	145	112	315 (B and B+ categories)	322	225 (B and B+ categories)
No. of published books	At a national level (CNCSIS-acknowledged – single author +editor)	157	83	89	169	147
	At an international level	21	28	23	46	20
Research centres, out of which centres of excellence		23/4	23/4	23/4	23/4	23/4
Research laboratories nationally recognized		-	-	-	1	2
Patent requests		77	54	50	45	47
Patents granted		4	8	9	11	16

The capacity of national and international cooperation represents an important segment of the dynamics of scientific research activity. Our University has developed over the last four years a number of cooperation and research grants at the international level, as part of the Erasmus, FP5, FP6, FP7, ERA-NET, etc. programmes, as well as at the national level (by PNCDI, CEEX, PNII etc. programmes).

The financial resources attracted by contracts of research-development and innovation at a national level, carried out by CCTT Polytech, are presented in Table 3.3 and Table 3.4.

Table 3.3. *Situation of collected amount in 2014 by type of project, compared to 2013*

No.	Type of programme	Amount (lei)		Compared situation
		2013	**2014**	**(%)**
1	PN II IDEI	2,030,250.78	2,202,875.00	8.50
2	PN II RU-PD and PN II RU_TE	753,318.21	234,936.00	-68.81
3	PN II Partnerships	3,743,234.00	4,099,252.00	9.51
4	PN II Capacities M3-FP7	0.00	236,570.00	
5	PN II Bilateral Capacities + IFA Coordination	142,008.19	62,214.76	-56.19
6	PN II ERA NET	2,133,830.47	599,200.00	-71.92
7	PN II Cooperation (Partnerships, Innovations, Capacities, Complex ideas)	1,502,686.95	1,816,914.23	20.91
8	POS-CCE Cooperation	0.00	40,411.00	
9	Economic agents	466,631.80	720,622.69	54.43
	TOTAL	**10,771,960.40**	**10,012,995.68**	
10	Payments to contract partners	-2,609,732.61	-2,222,486.00	
	TUIASI TOTAL	**8,162,227.79**	**7,790,509.68**	**- 4.55**

Table 3.4. *Situation of collected amount in 2014 by funding sources/contracting authorities*

No.	Programme type	POS-CCE	IFA	UEFISCDI	Economic agents
1	PN II IDEI IDEI			2,202,875.00	
2	PN II RU_PD and RU_TE			234,936.00	
3	PN II Partnerships			4,099,252.00	
4	PN II Bilateral Capacities+IFA Coordination		40,000.00	22,214.76	
5	PN II ERA NET			599,200.00	
6	PN II Capacities M3-FP7			236,570.00	
7	PN II Cooperation (Partnerships, Innovation, Capacities, Comples Ideas)			1,816,914.23	
8	POS-CCE Cooperation	40411.00			
9	Economic agents				720,622.69
	SUBTOTAL	**40,411.00**	**40,000.00**	**9,211,961.99**	**720,622.69**
	GENERAL TOTAL AMOUNT			**10,012,995.68**	

The compared situation of the international research grants and grants supported by structural funds for the last 3 years is presented in Table 3.5.

Table 3.5. *International research grants and grants supported by structural funds*

Year 2012		Year 2013		Year 2014	
Number of international grants and grants from structural funds (research component)	Amount collected (lei)	Number of international grants and grants from structural funds (research component)	Amount collected (lei)	Number of international grants and grants from structural funds (research component)	Amount collected (lei)
16	**5,033,442**	**13**	**21,143,791**	**12**	**7,431,633**

The dynamics of the Doctoral Schools activity for the period 2010-2014 is shown in Table 3.6.

Table 3.6. *The dynamics of Doctoral Schools*

Nr. crt.	Faculty	2010		2011		2012		2013		2014	
		Number of admitted	Completed Theses	Number of admitted	Completed Theses	Number of admitted	Completed Theses	Number of admitted	Completed Theses	Number of admitted	Completed Theses
1.	Automatic Control and Computer Engineering	10	5	7	4	3	14	4	7	1	1
2.	Civil Engineering and Building Services	26	24	17	16	12	35	19	24	14	34
3.	Machinery Manufacturing and Industrial Management	16	11	13	3	12	18	15	10	8	11
4.	Faculty of Electrical Engineering	29	11	22	14	18	27	22	26	12	24
5.	Electronics, Telecommunications and Information Technology	9	6	3	6	3	20	4	7	6	4
6.	Hydraulic, Geodetic and Environmental Engineering	14	5	8	7	8	18	9	8	5	8

7.	Chemical Engineering and Environmental Protection	28	37	25	30	22	57	26	25	14	24
8.	Faculty of Mechanical Engineering	26	10	22	11	7	11	12	13	10	18
9.	Materials Science and Engineering	11	7	15	1	9	11	11	8	9	7
10.	Textiles, Leather and Industrial Management	29	22	15	10	11	31	19	22	13	25
	TOTAL	198	138	147	102	105	242	141	150	92	156

II.4. The dynamics of performance in International Relations and University image

According to the Bologna Declaration "European higher education institutions […] (should) ensure that higher education and research systems continuously adapt to changing needs, society's demands and advances in scientific knowledge".

Considering the purpose of the joint Declaration of Bologna signed by the Ministers of Education from 29 countries, among which Romania as well, the "Gheorghe Asachi" Technical University of Iaşi already implements the Bologna Process, putting into practice the new structures according to the six Bologna objectives:

- Recognition of degrees: adoption of system of easily read and comparable degrees;
- Adoption of system based on two cycles (undergraduate/graduate);
- Establishment of system of credits (ECTS);
- Promotion of mobility;
- Promotion of European cooperation in Quality Assurance;
- Promotion of European dimension in Higher Education.

In addition to the six Bologna Process directions, the "Gheorghe Asachi" Technical University of Iaşi prioritizes the internationalization of studies, with a significant focus upon student, teacher and administrative staff exchanges with foreign universities.

Every year, a number of students, teaching and administrative staff goes to the partner universities abroad, within the framework of the Lifelong Learning/ Erasmus European Programme.

The Table 4.1 and Table 4.2 show the dynamics of the number of incoming students and the dynamics of outgoing student and teaching staff mobility over the last five years.

Table 4.1. *The dynamics of incoming foreign students*

Foreign students at the Technical University of Iaşi		2010 No. persons	2011 No. persons	2012 No. persons	2013 No. persons	2014 No. persons
For a complete academic cycle**	From European and non-European countries	32	31	21	35	29
	From the Republic of Moldova and Ukraine	333	320	325	333	326

For partial studies	Erasmus incoming	35	51	54	52	57
TOTAL		**400**	**402**	**400**	**420**	**412**

Table 4.2. *The dynamics of student and teaching staff mobility*

1. Outgoing teaching staff mobility	**2010**	**2011**	**2012**	**2013**	**2014**
Erasmus Programme	64	78	74	114	135
Leonardo da Vinci	4	1	1	1	5
Other programmes - AUF, Marie Curie, doctoral grants	1	-	-	1	1
PERFORM-ERA, EURODOC, CUANTUMDOC programmes	30	64	44	1	-
Participations in conferences, congresses, symposiums	106	122	105	136	109
Work meetings, research periods, visiting professors	118	167	154	132	158
TOTAL	**323**	**432**	**378**	**378**	**408**
2. Outgoing student mobility	**2010**	**2011**	**2012**	**2013**	**2014**
Erasmus Programme	109	94	115	121	166
Other programmes – AUF, Marie Curie, doctoral grants	-	-	1	9	2
BRAIN, PERFORM-ERA, POSDRU etc. programmes	86	201	138	18	-
Participations in conferences, congresses, symposiums	41	34	14	17	30
Work meetings, research projects meetings	14	20	13	45	27
TOTAL	**250**	**295**	**271**	**200**	**225**
3. Outgoing adjunct teaching staff mobility	**2010**	**2011**	**2012**	**2013**	**2014**
Erasmus programme	10	8	14	17	7
Participations in conferences	3	4	6	-	1
TOTAL	**13**	**12**	**20**	**17**	**8**

The Table 4.3 shows the cooperation agreements signed by the "Gheorghe Asachi" Technical University of Iaşi.

Table 4.3. *Cooperation agreements*

Academic year	Erasmus Inter-Institutional Agreements	Cooperation Agreements
2014/2015	300 valid agreements	27 valid agreements

The 27 cooperation agreements are signed between the "Gheorghe Asachi" Technical University of Iaşi with institutions from Europe, Asia, Africa, North America, South America.

The Erasmus inter-institutional agreements are concluded with universities across Europe.

For the academic year 2014/2015, our University concluded, as part of the LLP/Erasmus Programme, a number of 300 valid agreements, within which mobility to partner universities will take place.

Furthermore, the "Gheorghe Asachi" Technical University of Iaşi is member of EUA (European University Association), AUF (Agence universitaire de la Francophonie), EUCEN (European University Continuing Education Network), BSUN (Black Sea Universities Network).

As an achievement of the above-mentioned objectives, our University issues for the students who studied within partner universities Europass portfolio documents: Europass Curriculum Vitae, Europass Language passport, Europass Supplement to professional certificate, Europass Diploma Supplement, Europass mobility document.

In accordance with the industrial development at the national and European levels, the job supply for our University graduates has variously fluctuated. An image of the dynamics of professional insertion in relation to the number of graduates for the period 2010-2013 appears in table 4.4.

Table 4.4. *The dynamics of graduates' integration on labour market in 2010 – 2013*

No.	FACULTY	Labour market integration [%]			
		2010	2011	2012	2013
1	Faculty of Automatic Control and Computer Engineering	95	91.30	90.66	94.26
2	Faculty of Chemical Engineering and Environmental Protection	51	60.52	78.10	71.05
3	Faculty of Civil Engineering and Building Services	84	80.60	81.73	68.72
4	Faculty of Machinery Manufacturing and Industrial Management	72	72.00	58.62	67.69
5	Faculty of Electronics, Telecommunications and Information Technology	65	79.43	85.71	81.08
6	Faculty of Faculty of Electrical Engineering	66	71.29	45.60	67.74
7	Faculty of Hydraulic, Geodetic and Environmental Engineering	50	51.02	75.24	66.11
8	Faculty of Mechanical Engineering	80	71.57	64.92	69.46
9	Faculty of Materials Science and Engineering	50	44.14	56.34	35.08
10	Faculty of Textiles, Leather and Industrial Management	39	73.68	36.23	58.73
11	"G. M. Cantacuzino" Faculty of Architecture	95	89.28	100	65
	TOTAL	68.19	71.34	70.28	67.98

Remarks:

1. In the Table 4.4. the situation for 2014 is not shown because the survey is made by the Counseling Centre for Pro and Postgraduate Guidance, in collaboration with the

Department of Degree Diplomas and Certificates, while the diplomas for 2014 graduates will be released starting June 2015.

2. According to Law 677 / 2001, the graduates are not obliged to declare personal data, and so not all of them filled in the forms.

But the Counselling Centre for Pro and Postgraduate Guidance (CCOPP) has information regarding the hiring opportunities for the 2014 graduates (Table 4.5).

Table 4.5. Situation of job supply for the 2014 Bachelor's degree graduates on 30.01.2015*

No.	Faculty	No. of graduates 2014	No. of job opportunities
1	Automatic Control and Computer Engineering	199	185
2	Chemical Engineering and Environmental Protection	119	66
3	Civil Engineering and Building Services	221	105
4	Machinery Manufacturing and Industrial Management	134	109
5	Electronics, Telecommunications and Information Technology	129	189
6	Faculty of Electrical Engineering	221	221
7	Hydraulic, Geodetic and Environmental Engineering	106	45
8	Faculty of Mechanical Engineering	210	123
9	Materials Science and Engineering	156	75
10	Textiles, Leather and Industrial Management		31
11	"G. M. Cantacuzino" Faculty of Architecture	56	37
12	Any specialization		24
	Total		**1210**

* job opportunities identified only by CCOPP and only for Bachelor's degree graduates, the supply concerning exclusively inexperienced engineers and architects.

III. THE FULFILMENT OF NORMATIVE COMPULSORY REQUIREMENTS

III.1. Legal framework for the organisation and functioning
of the "Gheorghe Asachi" Technical University of Iași

1.1. The "Gheorghe Asachi" Technical University is a state non-profit institution, promoting education and research as public assets. The University has legal personality and is a legal person of national interest. The "Gheorghe Asachi" Technical University of Iaşi operates under the Constitution of Romania and Romanian legislation.

It obeys the principles stipulated by the *Universal Declaration of Human Rights (1948)* and the *Magna Charta of European Universities (1988)* and adheres to the *Bologna Declaration (1999).*

The University defines itself by:

 a) name: *The "Gheorghe Asachi" Technical University of Iaşi*, with the acronym TUIASI;

b) coat of arms, emblem, flag, seal;

c) ceremonial outfit: robe and toque;

d) University Day: 15 November;

e) headquarters: Bulevardul Dimitrie Mangeron no. 67, Iaşi, code 700050, Romania.

The "Gheorghe Asachi" Technical University of Iaşi has been working under this name since 1993.

Annex 1.1.1. GD no. 209 / 17 May 1993_TU Iasi

It is the upholder of a tradition in the Romanian higher education since its inception, throughout a historical process in which it received an official status on 15 November 1813, when a "class of engineering and land survey" was established, the first form of technical higher education in Romanian in our country.

The "Gheorghe Asachi" Technical University of Iasi has a legal status established by the initial charta document, dated 3 December 1937, of the *"Gheorghe Asachi" Polytechnic School of Iaşi*.

Annex 1.1.2. Official Gazette no. 284 / 08.121937_TU Iasi

Since its establishments, it continuously functioned under this name or under the names of "Gheorghe Asachi" Polytechnic Institute, by Law Decree for the Educational Reform of 3 August 1948, and "Gheorghe Asachi" Technical University of Iasi, by GD no. 209 / 17 May 1993.

The teaching activities of all 11 faculties take place in the city of Iaşi, where the institution's headquarters are registered.

Annex 1.1.3. TUI Charta 30.09. 2011
Annex 1.1.4. University Structure

1.2. The teaching and research mission of the University, individualizing it in the national and European system of higher education is supported by its elements of specificity and opportunity, in accordance with the national framework of qualifications and with the demand of the labour market, by teaching and research missions for all the study programmes that are provided.

Thus:

The "Gheorghe Asachi" Technical University of Iaşi is a University of advanced research and education, whose mission is to conduct specific activities of creation, innovative utilisation of knowledge and transfer to society in the fundamental fields of *Engineering Sciences, Architecture* and *Urban Planning*, as well as in interdisciplinary and complementary fields, in the local community, as well as at a regional, national and international level.

With a view to creation and innovative utilisation of knowledge, the University takes:

a) *the role of transmitting knowledge to the new generations, of professional training by Bachelor's, Master's, doctoral and post-graduate programmes, stimulating reflection and creativity, for the purpose of ensuring real chances in the labour market competition. At the same time, the University addresses the whole society, with a view to continuing education and training, in accordance with the evolution of science and technology at a world level;*

b) *the role of conducting the activities of scientific research, technologic transfer, innovation and development, and the utilisation and dissemination of results, which have a role of inseparable components in the process of education and training, in order to contribute to the technological, economic and social-cultural progress, with a view to durable development and to evolution towards a knowledge society.*

Its teaching and research mission is supported, from the standpoint of the specificity and opportunity elements in accordance with the national framework of certifications and demands on the labour market, by the educational and research missions of the 62 undergraduate programmes and of the 82 graduate programmes.

> **Annex 1.1.3. TUIASI Charta 30.09. 2011**
> **Annex 1.2.1. University Mission and Goals**
> **Annex 1.2.2. Teaching and Research Mission. Study programmes**
> **Annex 1.2.3. TUIASI Research Strategy**

III.2. University Charta and specific regulations

2.1. The organisation and functioning of the University, the norms regarding the academic community life, the principles for the organisation of the teaching activity by graduation and post-graduation studies, the organisation of the activity of scientific research, the organisational structure for the promotion, assessment and quality and academic ethic

assurance, the organisation of academic decision and administration structures of the University are all included in the Charta of the "Gheorghe Asachi" Technical University of Iaşi.

Annex 1.1.3. TUI Charta 30.09. 2011

The TUIASI Charta was approved on 30.09.2011 refers to a number of 27 procedures, methodologies and specific regulations included in the Manual of procedures:

Annex 2.1.1. Manual of procedures

2.2. General procedures and prescriptions for the University activities are included in the Internal Rules and Regulations of the "Gheorghe Asachi" Technical University of Iaşi and in the Organisation and Functioning Rules of the "Gheorghe Asachi" Technical University of Iaşi.

Annex 2.2.1. Internal Rules and Regulations of the "Gheorghe Asachi" Technical University of Iasi

Annex 2.2.2. Organisation and Functioning Rules of the "Gheorghe Asachi" Technical University of Iasi

2.3. The students' professional activities within the bachelor's (undergraduate) degree, Master's (graduate) degree, post-graduation and doctoral programmes are regulated by specific procedures that concern all phases: enrolling, admission examination, study activity, completing one year of study, or two years of study in one, transfer between faculties and higher education institutions, etc.

Annex 2.3.1 Organisation of teaching activity for Bachelor's (undergraduate) degree programme

Annex 2.3.2. Organisation of teaching activity for Master's (graduate) degree programme

Annex 2.3.3. Organisation and conduct of admission to Bachelor's (undergraduate) degree programme

Annex 2.3.4. Organisation and conduct of admission to Master's (graduate) degree programme

Annex 2.3.5. Organisation and conduct of admission to doctoral studies

Annex 2.3.6. Organisation of teaching activity for continuing professional training and development post-graduation studies

Annex 2.3.7. Organisation of Educational psychology training within the Department for Teacher Education and Training - DTET

Annex 2.3.8. Completion of Bachelor's (undergraduate) studies (1ˢᵗ cycle- Bologna System)

III.3. University management, management structures

3.1. In the "Gheorghe Asachi" Technical University of Iaşi, all legal procedures were followed in the election of the collective management bodies (Faculties' Boards and Senate), and management functions.

Annex 3.1.1. Organisation and proceedings of University management elections 2012 – 2016

For the 2008 -2012 term of office, the Rector was confirmed by Order of the Minister of Education, Research and Youth, no. 3330 / 03.03.2008, and for the 2012-2016 term of office, by the Order of the Minister of Education and Research, Youth and Sports no. 3986 / 12.03.2012.

Annex 3.1.2. MEC Confirmation of Rector election

The management structure of the "Gheorghe Asachi" Technical University of Iaşi is made of higher education teachers that are tenured personnel of the University or of the internal management structure where they work; they are tenured Professors or Associate Professors whose position is not under reservation.

Annex 3.1.4. University Management structure 2012 – 2016

Annex 2.2.2. Organisation and Functioning Rules of the "Gheorghe Asachi" Technical University of Iaşi

3.2. The University has a job chart filled with its own staff, who meet from the point of view of professional certifications the conditions required by the charted positions, for both the teaching and the administrative personnel.

Annex 3.2.1. University Organization Chart

Annex 3.2.2. Teaching staff payroll

Annex 3.2.3. Administrative staff payroll

Annex 3.2.4. Scientific research staff payroll

3.3. In the University Library work higher education graduates or post-graduates in library and information sciences or in philology.

Annex 3.3. University Library personnel

III.4. Teaching staff

4.1. All the teaching positions in the University were occupied by competition, respecting all legal requirements. Most of them are occupied by the University's own staff, corresponding from the point of view of the professional qualifications to the requirements of the position in the job chart.

The legal conditions for the occupation of positions are fulfilled as follows:

- jobs are made public with the Ministry's approval:

http://jobs.edu.ro

http://didactic.rectorat.tuiasi.ro

http://www.tuiasi.ro/evenimente/concurs-posturi-didactice-2014-2015

- the competition takes place in accordance with general legal and internal procedures:

Annex 4.1. Organisation and proceedings for the occupation of teaching jobs

4.2. The competition files certify that, once they advance in their careers, the teaching staff approached new disciplines, according to the dynamics of the specialization in question, a fact demonstrated by the results obtained in scientific research and by the publication of teaching materials, as well as by the future-oriented directions included in the career development plans.

Annex 4.2. List of tenured teaching personnel

4.3. The tenured teaching personnel of the University cover in one academic year three academic norms at the most, regardless of the higher education institution where they work. This has always been confirmed on the occasion of external and self-assessment processes, and is confirmed now in the files of the 12 study programmes assessed.

Annex 4.3.1. Occupation degree of the teaching staff

Annex 4.3.2. Continuation of activity after retirement in adjunct positions

4.4. The teaching staff in higher education tenured according to the law, retired for age limit or other reasons and who continue to teach as adjunct teaching staff cover one teaching norm at the most in the University.

Annex 4.4.1. Occupation degree of the retired teaching staff

Annex 4.4.2. Employment of adjunct teaching and research staff

4.5. In each institutional structure, for each programme in the bachelor's degree cycle that leads to a distinct academic qualification, at least 70% of the total amount of positions in the job chart, established in accordance with legal regulations, are covered by tenured teaching staff or teaching staff holding reserved jobs, who occupied their higher education positions according to the legal regulations; of them, at least 25% are Professors and Associate Professors, but not more than 50%.

This has almost always been confirmed on the occasion of external and self-assessment processes and is confirmed no in the files of the 12 study programmes assessed.

In the academic year of 2014-2015, the University has 1071 teaching positions, out of which 763 are occupied with tenured staff, representing 71.2%, of whom 48.1% are Professors and Associate Professors.

Annex 4.3.1. Occupation degree of the teaching staff

Annex 4.5. Professors and Associate Professors

4.6. The adjunct teaching staff who are not tenured staff in higher education meet the legal conditions for their positions.

Annex 4.6.1. Adjunct teaching staff

Annex 4.4.2. Employment of adjunct teaching and research staff

4.7. The adjunct teaching staff, by written declarations addressed to the director of the institution where they are employed, as well as of the institution where they are adjunct staff, make known the number of hours taken by adjunct collaboration.

Annex 4.7. Adjunct teaching staff – declarations, approvals

4.8. The tenured teaching staff for subject courses have at least a lecturer degree, being doctors in the field of the subject they teach. The tenured teaching staff for seminars are doctors or doctoral students in the field of the subject they teach or are graduates and have competences in the area of the occupied job.

In the University there are now 26 members of the tenured teaching staff who do not hold a PhD. They are subject to the provisions of the EO no. 94 / 29 December 2014 as regards the amendment of the Law of National Education no.1/2011 and the EO Amendment no. 75/2005 as regards the assurance of education quality, 30 September 2015 being the deadline for the award of the PhD title in order for their employment contracts not to be terminated.

Annex 4.3.1. Occupation degree of the teaching staff

Annex 4.8.1. Teaching staff's competences

Annex 4.8.2. Teaching staff without a PhD title

4.9. The persons occupying positions of adjunct professor assistants and professor assistants have attested teaching training or are in course of completion of the teaching training module. A series of dysfunctions in this training system caused by fluctuant stipulation in the Education Law led to delays, that are about to be fixed within the Department for the Teacher Education and Training of the University and with financial support from the University.

Annex 4.9. Teaching training situation for adjunct professor assistants and professor assistants

4.10. The tenured teaching staff for the subject courses elaborated courses and other materials necessary in the education process, that cover the topic of the subject, as provided by the analytical curricula. This has been confirmed on each occasion of external and self-assessment processes and is now assessed in the 12 files of the study programmes assessed.

Annex 4.10. Courses and works elaborated by the tenured teaching staff

Annex 4.8.1. Teaching staff's competences

4.11. The "Gheorghe Asachi" Technical University of Iaşi assures, for at least one Bachelor's cycle, the activities provided in the curricular disciplines, with competent teaching staff. This has been confirmed on each occasion of external and self-assessment processes and is now assessed in the 12 files of the study programmes assessed.

Annex 4.11. Subject coverage with teaching staff

III.5. Infrastructure

5.1. The University has the necessary heritage for a high-quality educational and scientific research process, in accordance with the University mission and objectives.

Annex 5.1.1. University's immovable assets

Annex 5.1.2.a. Acquisitions

Annex 5.1.2. Inventory

The number of seats in the course, seminar halls and laboratories is correlated to the size of study group units (series, groups, sub-groups etc.), according to the norms.

Annex 5.1.3. Educational spaces capacity

5.2. For the applied seminars in information-related subjects of study, in the technically equipped laboratories , at the level of one group unit, there is one computer for at the most 2 undergraduate students, and one computer for each graduate students. This has been confirmed on each occasion of external and self-assessment processes and is now assessed in the 12 files of the study programmes assessed.

Annex 5.2. Endowment of specialized laboratories with Information technology equipment

5.3. The central library (selected among the 25 most beautiful libraries in the world and ranked on the first position following an opinion poll initiated by *Boredpanda.com*) and its branches are endowed with reading rooms and book collections corresponding to the subjects provided in the curricula for academic cycles (Bachelor's and Master's degree programmes). This has been confirmed on each occasion of external and self-assessment processes and is now assessed in the 12 files of the study programmes assessed.

Annex 5.3. Library's general presentation

5.4. In the University's central library and in its branches, as well as in the libraries of the departments and of the research centres, there are appropriate study areas for at least 10% of the total number of students.

Annex 5.4. Study areas in libraries

5.4. The library provides a sufficient number of subscriptions for Romanian and foreign publications and periodicals, as well as for the access to electronic scientific databases, in accordance with the undertaken educational mission. At the same time, the library has developed, over time, intense publication exchange programmes, especially by means of the 10 sections of the Bulletin of the Polytechnic Institute of Iasi, of the Environmental Engineering and Management Journal edited by the Department of Environmental Engineering and Management, under the aegis of the "Gheorghe Asachi" technical University of Iasi, the first Romanian academic ISI journal, starting with volume 6, No.1/2007. The number of publications is completed by that of Romanian and foreign publications and periodicals in the libraries of the Departments and Research centres, obtained by subscriptions and direct exchanges made by

the libraries or by the researchers involved. Thus, to the total amount of 144 subscriptions to Romanian and foreign journals, one should add 6 ANELIS databases (Science Direct, SpringerLink, Willy, ProQuest, Thomson Web of Science, Scopus). Furthermore, besides the print publications, the University Library also provides access to InfoStandard database, which contains full-text collections of standards, as well 7 collections with 233 full-text electronic books from the Elsevier publishing house.

Annex 5.5.1. Periodical subscriptions, databases

Annex 5.5.2. International exchange of publications

5.6. In the reading rooms of the central Library and of the Library branches, in the libraries of the Departments and of the Research Centres, as well as in the reading rooms existing in the student hostels, there is a number of seats for at least 10% of the total number of students.

In the reading rooms of the central library and of its branches alone, there is a total amount of 485 seats, that is 3.52% of the number of students.

Annex 5.6. Seats in the reading rooms

5.7. The "Gheorghe Asachi" Technical University of Iaşi has licensed soft programmes corresponding to requirements of the subjects included in the curricula. This has been confirmed on each occasion of external and self-assessment processes and is now assessed in the 12 files of the study programmes assessed.

At the University level, there are over 1,200 software programs, corresponding to the study subjects in the curricula.

Annex 5.7. Software equipment

5.8. The University management assures the photocopying of course books and other works necessary in the education process, elaborated by the teaching staff, and provide them in satisfactory amount to students. This has been confirmed on each occasion of external and self-assessment processes and is now assessed in the 12 files of the study programmes assessed.

Thus, in 2014 only, Politehnium published 97 titles, 35 of them being technical books.

Annex 5.8. Photocopied courses and works

5.9. The laboratory rooms are adequately equipped, in accordance with the requirements of the compulsory subjects included in the curricula that stipulate in the syllabus activities of this kind. This has been confirmed on each occasion of external and self-assessment processes and is now assessed in the 12 files of the study programmes assessed. .

Annex 5.9. Laboratory rooms equipment

III. 6. Property documents

After an uninterrupted activity of over 77 years, the University owns 100% of the education spaces with all necessary equipment.

Annex 5.1.1. University's immovable assets

Annex 6. Space property documents

III.7. Financial activity

7.1. All legal conditions have been considered for the hiring of qualified personnel within financial-accounting sections; the economic manager is a higher economic education graduate.

Annex 7.1. Financial-accounting sections

7.2. The "Gheorghe Asachi" Technical University of Iasi has its own income and expenditure budget for the higher education activity, as well as tax code and bank account.

Annex 7.2.1 Treasury accounts

Annex 7.2.2 Expenditure and income budget for 2014

Annex 7.2.3. Income and expenditure budget – appraisement for 2015-2018

7.3. The University has organised its own accounting, accounting balance, budgetary execution account and own administration report, which show that the expenditure is consistent with effectual legislation, with the collected income and its destination, as well as with the non-profit feature of the institution.

http://www.tuiasi.ro/administratie/directia-economica

Annex 7.3.1. Balance sheet

Annex 7.3.2. Budgetary account

Annex 7.3.3. Administration report

7.4. The students' school fees are calculated in accordance with the average tuition costs per academic year in publicly funded education in undergraduate and master domains. The calculation mode is annually established. The fees are available on the public websites of the faculties, of CSUD, on notice boards, leaflets, brochures and at the secretariats.

www.tuiasi.ro

Annex 7.4. School fees

7.5. The students are informed about the possibilities of financial support from the institution as well as about the way they can use fees. The information is available on the websites of the University and on notice boards.

www.tuiasi.ro

Annex 7.4. *School* fees

Annex A.2.1.4 Regulation regarding scholarship award

7.6. In general, the overall activity of the University, including financial reports, is internally audited within the specialized compartment. Periodically, the financial activity is submitted to verification by Romania's Court of Auditors.

The results of the internal and external financial audit, together with the annual analysis of the revenue budget are discussed in the Senate of the University and officially published

Annex 7.6.1.a. Internal Public Audit Plan 2014

Annex 7.6.1.b. Internal Public Audit Plan 2015

Annex 7.6.1.c. Public Audit Plan for 3 years 2015-2017

Annex 7.6.2. Internal Public Audit Report 2014

http://www.tuiasi.ro/uploads/files/Raport_starea_universitatii_TUIASI_2013.pdf

http://www.tuiasi.ro/uploads/files/raport_stare_2012_fara_anexe.pdf

III.8. Students

8.1. Students' recruiting is performed via own admission procedures. The entrance examination registration is performed on the basis of baccalaureate diploma/ bachelor degree or any other equivalent academic documents, acknowledged by the Ministry.

Annex 2.3.3. Organisation and conduct of admission to Bachelor's (undergraduate) degree programme

Annex 2.3.4. Organisation and conduct of admission to Master's (graduate) degree programme

Annex 2.3.5. Organisation and conduct of admission to doctoral studies

8.2. The transfer of students among higher education institutions, faculties and specializations was performed according to effectual legal regulation and adjusted through internal rules. No transfer was performed during the academic year.

Annex 2.3.1. Organisation of teaching activity for Bachelor's (undergraduate) degree programme

Annex 2.3.2. Organisation of teaching activity for Master's (graduate) degree programme

Annex 8.2. Transfers

8.3. The results obtained by the students during tuition are certified by the record of service. All graduates are given the Diploma Supplement issued according to effectual regulations.

Annex 8.3. Study documents

8.4. Procedures of awarding diploma or graduation certificates are in accordance with legal regulation. They are granted on the basis that the University is accredited and study programmes are temporarily/ accredited following the ARACIS assessment, by the Government Decision (undergraduate programs), by Order of the Minister of Education (master programs and academic fields).

Annex 8.3. Study documents

Annex 2.3.8. Completion of Bachelor's (undergraduate) studies (1st cycle- Bologna System)

III.9. Research activity

9.1. Own research plans in different domains are included in the strategic plans of the University, of faculties and departments and are certified by documents including scientific research valuation modalities.

Annex 9.1.1. Own research plans, by domains. Research themes

Annex 9.1.2. Self-assessment report of scientific research

9.2. The research themes included in the plans are part of the scientific domains of graduate and postgraduate studies.

Annex 9.1.1. Own research plans, by domains. Research themes

9.3. The results of scientific research carried out by teaching and research staff are valued by papers published in specialised national, international, ISI, international database-indexed, etc. journals, at CNCSIS-acknowledged or foreign publishing houses, by means ofscientific communications presented at sessions, symposia, seminars home and/or abroad, by contracts, expertise, consultancy, etc., based on contracts or agreements concluded with internal and/or external partners, with evaluation certified by specialized committees, etc.

The research activity is confirmed by the University's ranking position among the 12 Romanian universities for *advanced research and education*, together with the very honourable position in the rankings compiled by different organizations and institutions. Thereby, according to the latest Ranking Web of Universities (Webometrics), conducted by the Vybermetrics Lab (Spanish National Research Council, CSIC), the "Gheorghe Asachi" Technical University of Iasi ranks **first among the technical universities in Romania and fourth in the top Romanian universities** in terms of **Web presence and impact**. Such presence reflects **academic excellence, research performance, institutional and community involvement**.

Annex 9.1.2. Self-assessment report of scientific research

Annex 9.3.1. IPI Bulletin

Annex 9.3.2. POLITEHNIUM Publishing House

9.4. The teaching staff, the researchers and the graduates of the University periodically organize scientific sessions, symposia, conferences, roundtables. The papers of these events are published in ISBN or ISSN scientific bulletins or in specialized journals. This has always been confirmed on the occasion of internal and external assessment of study programmes and it is now confirmed by the files of the 12 study programmes assessed.

Annex 9.4. Scientific events

III. 10. The mission of the University

The mission of the University has clear objectives and contains elements of specificity and opportunity according to the national qualifications framework and labour market requirements.

Thus:

The "Gheorghe Asachi" Technical University of Iaşi is a University of advanced research and education, whose mission is to conduct specific activities of creation, innovative utilisation of knowledge and transfer to society in the fundamental fields of *Engineering Sciences, Architecture* and *Urban Planning*, as well as in interdisciplinary and complementary fields, in the local community, as well as at a regional, national and international level.

With a view to creation and innovative utilisation of knowledge, the University takes:

a) *the role of transmitting knowledge to the new generations, of professional training by Bachelor's, Master's, doctoral and post-graduate programmes, stimulating reflection and creativity, for the purpose of ensuring real opportunities in the labour market competition. At the same time, the University addresses the whole society, with a view to continuing education and training, in accordance with the evolution of science and technology at a world level;*

b) *the role of conducting the activities of scientific research, technologic transfer, innovation and development, and the utilisation and dissemination of results, which have a role of inseparable components in the process of education and training, in order to contribute to the technological, economic and social-cultural progress, with a view to durable development and to evolution towards a knowledge society.*

The main strategic objectives of the University are:

- Providing academic track for all the members of the teaching staff, according to their personal aspirations and individual performances of teaching and research;

- Diversification of undergraduate, master and PhD. programmes, including studies in international languages, according to social and industrial dynamics;

- Development and support of scientific research activities, specific infrastructure for competitiveness and recognition of the University at European and international levels;

- Development of technological transfer activities and of partnerships with industries and private sector;

- Development of a financial discipline of the institution, through the clear evidence of input and output streams by cost centres, with the purpose of maintaining the financial health of the University;

- International student and teaching staff exchange with other universities, in the spirit of cultures and values transfer;

- Development of stable relationship with labour market, with the purpose of adapting the educational programmes of the University to the needs of economical entities and ensuring a good employability of graduates;

- Promoting the achievements and image of the University within high schools, the media, the governmental and non- governmental institutions in order to support the interests of the teaching and administrative staff as well as those of the students;

- Ensuring optimum study conditions for the students through scholarships, board accommodation and leisure time, at European standards. The Canteen is considering extending through the commissioning of a new dining hall, the final investment for the swimming pool and the development of the sport base in the "Tudor Vladimirescu" campus.

Annex 1.2.1. University Mission and Goals

IV. THE LEVEL OF PERFORMANCE STANDARDS AND INDICATORS

Domain A. INSTITUTIONAL CAPACITY
A.1. Institutional, administrative and management structures
A.1.1 Mission, goals and academic integrity
A. 1.1.1. Mission and goals

Min. The „Gheorghe Asachi" Technical University of Iasi was founded and operates according to the law. The institution has a University Charta in accordance with national legislation and the principles of European Higher Education Area and is known by the members of the academic community. The mission and the goals the institution took individualize its image within the high education system through clarity, distinction and specificity.

Ref.1: The mission and goals of the University are of high individuality within European Higher Education Area

Annex 1.1.1. GD no. 209, 17 May 1993, The Technical University of Iasi
Annex 1.1.2 The Official Gazette no. 284 / 08.1121937, The Technical University of Iasi
Annex 1.1.3 The Charta of the Technical University of Iasi, 30.09.2011
Annex 1.1.4. University structure
Annex 1.2.1 University mission and goals
Annex 9.1.1. Own research plans, by domains. Research themes
Annex 9.1.2. Self-assessment report of scientific research

A.1.1.2. Academic integrity

Min.: The „Gheorghe Asachi" Technical University of Iasi has a code of academic ethics and integrity which defends the values of academic liberty, of University ethical integrity and has clear practices and mechanisms with the purpose of applying it.

Ref.1. The University not only has such a code and the associated practices, but also controls and can prove their enforcement, as regards the management, research, teaching or examination activities. The results of this control are made public. The Report of the Ethics Committee is included in the Rector Report, which is made public.

Annex A.1.1.2.a. The code of ethics and academic professional deontology

Annex A.1.1.2.b Regulations as regards Academic Ethics Committee

Annex A.1.1.2.c. Annual report of Academic Ethics Committee

http://www.tuiasi.ro/uploads/files/Raport_starea_universitatii_TUIASI_2013.pdf

http://www.tuiasi.ro/uploads/files/raport_stare_2012_fara_anexe.pdf

A.1.1.3. Public responsibility

Min.: The „Gheorghe Asachi" Technical University of Iasi has internal audit practices regarding the main domains of the academic activity.

Ref.1: The internal audit is periodically performed using internal institutional and compartment regulations in the following domains: finance accounting, academic integrity, teaching, examination and research. An annual academic audit report is published after having previously been debated by the Senate. Accordingly an improvement plan is also performed. Furthermore, a University Status Report is annually elaborated, approved in the Administration Council and in the University Senate, and subsequently transmitted to MECS.

Annex 7.6.1. b. The 2015 internal public audit plan

Annex 7.6.1.a. The 2014 internal public audit plan

Annex 7.6.1.c. Public Audit Plan for 3 years 2015-2017

Annex C.8.1. 1.a The 2010 annual report on quality

Annex C. 8.1.1.b. The 2011 annual report on quality

Annex C.8.1.1.c. The 2012 annual report on quality

Annex C.8.1.1. d. The 2013 annual report on quality

http://www.tuiasi.ro/uploads/files/Raport_starea_universitatii_TUIASI_2013.pdf

http://www.tuiasi.ro/uploads/files/raport_stare_2012_fara_anexe.pdf

A.1.2. Management and administration
A.1.2.1. Management system

Min.: The „Gheorghe Asachi" Technical University of Iasi has an internal management system and internal management regulations, according to the effectual legislation in the

mechanism of choosing the students' representatives in councils, senates and other structures is clearly described in the Academic Charta as well as in internal regulations.

Ref.1 : The management system and the internal operating regulation also uses information and communication systems, such as the Internet and the Intranet.

Annex 2.2.1. Internal Rules and Regulations of the "Gheorghe Asachi" Technical University of Iasi

Annex 2.2.2. Organisation and Functioning Rules of the "Gheorghe Asachi" Technical University of Iaşi

Annex 3.1.1. Organisation and proceedings of University management elections 2012 – 2016

Annex C.6.1.1. Department of Computerization Management

A.1.2.2 Strategic management

Min.: The "Gheorghe Asachi" Technical University of Iasi has a strategic plan for at least four years as well as annual operational strategies.

Ref.1.: The strategic plan is developed on long, medium and short terms, being annually updated and according to the evolution and context of higher education.

Annex A. 1.2.2 a. The 2012-2016 strategic plan

Annex A.1.2.2. b. The 2012 operational plan

Annex A. 1..2.2. c. The 2013 operational plan

Annex A.1.2.2. d. The 2014 operational plan

A.1.2.3. Efficient administration

Min: The „Gheorghe Asachi" Technical University of Iasi has administrative staff that complies with the legislation in effect. The administration is efficient in terms of organization, number and qualification of the personnel and rigorously works through all the services provided for the benefit of academic community.

Annex 3.2.1. University Organization Chart

Annex 3.1.4. University Management structure 2012 – 2016

Annex 3.2.3 Administrative staff payroll

http://www.tuiasi.ro/administratie/directia-generala-administrativa

Ref.1: The „Gheorghe Asachi" Technical University of Iasi has an efficient and rigorous administrative staff as well as mechanisms to control and continually develop administrative performance.

Annex 7.6.1.a. The 2014 internal public audit plan

Annex 7.6.1.b. The 2015 internal public audit plan

Annex 7.6.1.c. Internal Strategic Audit Plan for 3 years - 2015-2017

Annex 7.6.2. The 2014 internal public audit report

Ref. **2**.: The computerization level of the administrative staff must be compatible with that of the European higher education area.

Annex C.6.1.1. Department of Computerization Management

A.2 Material basis

A.2.1. Heritage, equipment, allocated financial resources

A.2.1.1. Spaces for education, research and other activities

Min.: According to the differences among educational forms (full, part time and distance education) and to the goals of research activities, respectively, the "Gheorghe Asachi" Technical University of Iasi provides spaces for research and education in accordance with effectual technical, safety, health and hygiene rules, i.e. teaching rooms, laboratory rooms and research centres. The indicator refers to hostels and other spaces that offer the students the possibility to carry out social, cultural and sport activities.

The campus capacity exceeds 8,000 places, out of which 7,244 are taken in the academic year of 2014/2015. The rehabilitation and modernization of the Tudor Vladimirescu campus took place as part of the Regional Operational Programme 2007-20013, the project amounting to a total value of 68,945,242.75 lei; it involves 2 components:

- 55,816,260 lei representing the eligible total value, that is 98% non-refundable grants and 2% University's own contribution;

- 13,128,982.75 lei representing VAT value corresponding to eligible expenditure.

Annex 5.1.1. University's immovable assets

Annex 5.1.3. Educational spaces capacity

Ref. 1: In addition to the existing spaces, the "Gheorghe Asachi" Technical University of Iasi has plans for the development and realistic investment, depending on the anticipated income.

The ENERED project "Development of research platform for efficient and long lasting energy" is currently running with a financial support of 41,455,225 lei, through POS CCE, where the amount allocated to investment in infrastructure is 2,109,969.37 lei.

Annex A.2.1.1. Investment projects

A.2.1.2. Endowment

Min.: The lecture/seminars rooms are equipped with teaching-learning and communicative technical devices that facilitate the work of the teaching staff as well as the receptivity of each student; the research laboratories are also equipped with devices and operating means corresponding to minimum standards.

Ref.1.: The lecture/seminars rooms as well as didactic and research laboratories are equipped in accordance with the present-day stage in the development of science and can be compared with those of the developed European universities and international best practices.

Annex 5.2. Endowment of specialized laboratories with Information technology equipment

Annex 5.7. Software equipment

Annex 5.9. Laboratory rooms equipment

Annex A.2.1.2. Learning, teaching and communication technical equipment

A.2.1.3 Financial resources

Min.: The "Gheorghe Asachi" Technical University of Iasi has sufficient financial sources on short (annual) and long terms (a minimum of three-four successive years). These funds are allocated with the purpose of adequately fulfil the goals and accomplish the mission of the University. There is also a realistic annual budget, a three-four year one, as well as short, medium and long term policies referring to financial sustainability.

Ref.1. In addition to current standards, the „Gheorghe Asachi" Technical University of Iasi has substantial financial reserves, diversified and rigorous financial sources regarding the planning and defining of investment policies and financial management.

Annex 7.2.1 Treasury accounts

Annex 7.2.3. Income and expenditure budget – appraisements for 2015-2018

A.2.1.4 Scholarship awarding system and other forms of material support to the students.

Min.: The University has its own regulation regarding the awarding of scholarships and other forms of material support for students. Scholarships are awarded from public allocations as well as from other resources.

Annex 7.5. Regulation regarding scholarship awarding

B. EDUCATIONAL EFFICACY
B.I. Study programmes contents
B.1.1. Students' enrolment

B.1.1.1 Principles of enrolment policies to the study programmes offered by the institution

Min.: The "Gheorghe Asachi" Technical University of Iasi applies a transparent policy of recruitment and admission of students, publicly announced at least six months before application. The University marketing promotes real and correct information, with possibility of verification and confirmation. Admission is solely based on the candidates' academic skills and applies no discriminating criteria.

The University together with the faculties are engaged in promoting their image in high schools, by organizing caravans, visits, joint actions with the purpose of correctly informing on the academic opportunities.

Annex 2.3.3.Organizing and conduct the undergraduate study cycle enrolment

Annex 2.3.4. Organisation and conduct of admission to Master's (graduate) degree programme

Annex 2.3.5. Organisation and conduct of admission to doctoral studies

Annex B.1.1.1 The activity report of the Centre for Professional Guidance

B.1.1.2 Enrolment practices

Min.: The admission in a University course is exclusively based on previous study diploma, taking into account the hierarchical order of graduation averages.

Ref.1 : Enrolment is based on a set of combined criteria in which the results of the entrance examination have a greater weight.

Ref.2: The education of foreign students was made in compliance with effectual laws.

Annex 2.3.3. Organisation and conduct of admission to Bachelor's (undergraduate) degree programme

Annex 2.3.4. Organisation and conduct of admission to Master's (graduate) degree programme

Annex 2.3.5. Organisation and conduct of admission to doctoral studies

B.1.2 Structure and brief presentation of study programmes

B.1.2.1. The structure of study programmes

Min: Each study programme/specialization in the University is based on the relation between the results obtained in learning and research, respectively, and higher education qualifications. The unitary manner of presentation of our study programmes was certified whenever the study programmes in our University were internally or externally evaluated. A study programme is presented as a set of documents including: the programme's general and specific objectives; the curriculum, where the weight of various subjects is expressed by means of ECTS study credits and where the subjects are enlisted successively for each year of study; the syllabi for the subjects included in the curriculum, accompanied by the expected results of the learning process, expressed as cognitive, technical, professional and affective competencies that are being achieved for each subject studied. The procedure that regulates curriculum design specifically requires the teaching staff to include the results of the teaching-learning process in these documents.

The examination and assessment procedures for each subject are specified, taking into account the expected results; these documents also stipulate the organization and the content of the final summative graduation examination, which certifies the acquisition of the cognitive and professional competencies corresmonding to higher education qualifications. The students' assessment and grading procedure presents explicitly the manner in which the students' competencies are being assessed.

Annex B.1.2.1.a. The Curriculum design procedure

Annex C.2.1.1.a. Procedure regarding the initiation, approval, monitoring and periodic evaluation of study programmes

Annex 2.3.1 The organization of teaching activities for Bachelor's Degree studies

Annex 2.3.4 The organization of teaching activities for Master's Degree studies

Annex B.1.2.1.b Students' assessment and grading procedure

B.1.2.2 Differentiations in the design of study programmes

Min: Irrespective of their type (full-time, evening classes, part-time, distance learning), the study programmes have a unitary structure, but they differ in terms of the means they resort to. In our University, besides the full-time study programme, there is another type of bachelor's degree programme, which has a double form: day/evening classes. Mention should be made that there are no differences between the two types of study programmes as far as their content is concerned.

Annex B.1.2.2 Curricula for the Faculty of Civil Engineering Full Time/Evening Classes

B.1.2.3 The Relevance of the study programmes

Min: The cognitive and professional relevance of the study programmes is defined depending on the development rhythm of specific knowledge and technology in the field and also depending on the demands of the job and qualifications market.

The University has at its disposal various mechanisms for the annual peer analysis of the knowledge transmitted to and acquired by students, as well as for the analysis of the changes that are being produced in the qualifications profile and their impact on the organization of the study programme.

By means of the study programmes coordinators appointed by the Faculties' Councils, the relevance each study programmes is permanently monitored. The study programmes are also analyzed in the didactic boards of the departments and faculties, whose role is to check the correlations among disciplines and their relevance in the study programme.

The results of these analyses are discussed at the annual meetings of the representatives of the faculties with similar profile, at the meetings with employers and University alumni, so that eventually, a procedure for the reorganization of the study programmes is started.

Annex B.1.2.3 Relevance of the study programmes

Annex C.1.1.1.d Decision regarding the appointment of the academic Bachelor's degree and Master's degree programmes coordinators

Annex C.2.1.1.a. Procedure regarding the initiation, approval, monitoringn and periodic assessment of study programmes

B.2 The Results of the learning process
B.2.1 Capitalizing on the Higher Education qualification obtained
B.2.1.1 Capitalizing as a result of entering the job market

Min. At least 50% of the graduates find a job corresponding to their qualification within a period of two years after graduating from the University. This has always been confirmed on the occasion of internal and external assessment of study programmes and is now confirmed in the files of the 12 study programmes assessed.

Ref.1: More than 70% of the graduates find a job corresponding to the level of their higher education qualification within a period of two years after graduation.

A poll made by direct interviewing of the 2012 graduates shows that out of a total number of 1,923 graduates, 1,240 interviewees, 1112 are employed, i.e. 89.66%. These results are also confirmed by the poll made by *Trendence Barometer*. Trendence Graduate Barometer, the most comprehensive study on career-, education- and employers-related topics in Europe, has interviewed online for its latest edition 343,796 students from 950 institutions in 24 EU countries. Of them, 44.6% were students or graduates of the Gheorghe Asachi Technical

University of Iasi. 40.9% of the TUIASI students stated that the University trains them in an optimal manner for a career, 45.9% visited job fairs organized by the University, 70.6% prefer a job in Romania. The employers that constantly recruit graduates are Continental (51.4%), Delphi (34.6%) and Renault (13.8%), companies that range among top 10 most attractive employers for the TUIASI students; 60% of the interviewees were hired following presentations organized by the companies within the University, which is a much higher percentage compared to the EU average (40%).

Annex B.1.1.1. The activity report of the Centre for Professional Guidance

Annex B.2.1.1.a. Employability in a two-year period after graduating from the University

Annex B.2.1.1.b. Trendence Barometer Results

B.2.1.2 Capitalizing on the qualification obtained by continuing studies

Min: At least 20%* of the graduates in the last two series of bachelor's degree programmes are enrolled in master's degree programmes, irrespective of their field of study*.

Ref.1 At least 50% of the graduates in the last two series of bachelor's degree programmes are enrolled in master's degree programmes, irrespective of their field of study**.

Ref.2 At least 70% of the graduates in the last two series of bachelor's degree programmes are enrolled in master's degree programmes, irrespective of their field of study**.
At the University level, the percentage for the continuation of studies by means of master's degree programmes in 2014 is 75.41%.

Annex B.2.1.2 Continuing one's studies by means of Master's degree programmes

B.2.1.3 The students' level of satisfaction in relation to the professional and personal development provided by the University

Min: More than 50% of the students positively appreciate the learning/development milieu offered by the University, as well as their own learning route.

Each faculty surveys the students yearly on the basis of questionnaires in order to find out how many students positively appreciate the learning/development milieu offered by the University, as well as their own learning route. As a result of the internal and external evaluations of the study programmes, the 12 study programmes that are being evaluated now included, the documents and data available at the level of the University, of the faculties and departments, show that this percentage is fulfilled.

Ref.1: More than 75% of the students positively appreciate the learning/development environment offered by the University and their own learning route.

Following the poll, 74.82% of the interviewed students assess the learning environment with a 4 = satisfied (the test included levels from 0 to 5). A suggestive result in this direction is also the Trendence Barometer. Thus, in the latest edition of the Trendence Barometer poll 950

institutions from 24 countries participated, while 343,796 students answered the online questionnaire. Out of them, 44.6% were students or graduates of the "Gheorghe Asachi" Technical University of Iasi. They were addressed, among others, questions regarding the degree of satisfaction in relation to the university where they study; it resulted that TUIASI meets the requirements of performance factors to a high extent, above the EU average: academic reputation 85% (EU – 73%), accommodation possibilities 74% (EU – 53%), professional orientation guidance 36% (EU -34%), campus activities and life quality 67% (EU - 64%), University's contacts with employers 53% (EU – 51%), quality of University's administrative services 52% (EU – 47%).

Annex B.2.1.3.a. The Students' view on their learning/professional development milieu

Annex B.2.1.1.b. Trendence Barometer Results.

Annex B.2.1.3. Survey Form - Exemple

B.2.1.4 Student centred teaching/learning methods

Min: The teaching staff's main responsibility is to devise student-centred teaching/learning methods, placing less weight on the traditional teacher responsibility of information-giver. The relationship teacher-student is one based on partnership, in which each of them is responsible for attaining the expected results of the teaching-learning process. The results of the teaching-learning process are discussed with the students and explained to them within the framework of their relevance for the students' future development. The professorial staff use the resources of the new technologies (e.g. e-mail, personal web page for describing the course content, bibliography, resources in electronic format and discussions with the students), as well as teaching aids, starting from the board to the flipchart and the video projector.

The syllabi include teaching methods and techniques that are centred on the student. The University also puts the resources of the new technologies at the disposal of the teaching staff.

Annex B.1.2.a. The Curriculum design procedure

Annex C.2.1.1.a. Procedure regarding the initiation, approval, monitoring and periodic evaluation of study programmes

Annex 2.3.1 The Organization of teaching activities for Bachelor's Degree studies

Annex 2.3.4 The Organization of teaching activities for Master's Degree studies

Annex B.1.2.1.b The Students' assessment and grading procedure

Annex A.2.1.2 Learning, teaching and communication technical equipment

B.2.1.5 *Student career guidance*

Min: The professorial staff have tutorials during which they offer personal guidance to the students. There are teachers who guide or tutor students in a certain year of study and there are other possible forms of association between a teacher and a group of students.

Ref.1: Each faculty has a special body responsible for guiding students in choosing courses and their future career. Moreover, junior and senior students act as peer tutors for the younger students. The professorial staff have at least 2 hours of consultations per week and are in contact with their students via e-mail.

Annex B.1.1.1. The activity report of the Centre for Professional Guidance
Annex B. 2.1.5 Tutorship, career guidance, consultations

B.3 Scientific research activity

B.3.1 Research programmes

B.3.1.1 Devising research programmes

Min: The long-term research strategy, as well as the medium- and short-term research programmes are adopted by the University Senate and the Faculty Councils. This is done together with the specification of the manner in which the necessary resources are obtained and allotted and also with the manner in which research results are capitalized on.

Ref.1: The design of research programmes takes into account and is being carried out within the national research framework, as far as competitiveness and capitalization on research are concerned. Research is relevant first and foremost at a national level.

Ref.2: The design and carrying out of research programmes are being made within the European and global framework.

Annex 1.2.3. TUIASI Research strategy
Annex A.1.2.2.a. The Strategic Plan 2012-2016
Annex 9.1.2. Self-assessment report of scientific research

B.3.1.2 Carrying out research

Min: Research has at its disposal financial, logistic and human resources sufficient for achieving the proposed objectives.

Ref.1: There is an academic atmosphere and culture strongly centred on research, evinced by the number of research grants, publications and by the cognitive and technological transfer via consultancy, scientific parks, etc.

Ref.2: There is certified proof regarding the fulfilment of research quality or excellency standards, from the point of view of organization, unfolding of research projects, internal approval of results and removal of unethical practices.

Annex B.3.1.2.a. Research laboratories

Annex B.3.1.2.b. Doctoral School

Annex B.3.1.2.c. Research/Excellency Centres

B.3.1.3.Capitalizing on Research

Min: The University capitalizes on scientific research by means of publications for didactic purposes, scientific publications, technological transfer by means of consultancy centres, scientific parks or other structures, the creation of new products, etc. Each member of the professorial or research staff has at least one publication or one didactic or scientific creation/year.

Ref.1: The results of our research are appreciated on a national level by means of awards, quotes, quotations, etc. The publications, patents, breakthrough articles are mentioned in international databases.

Annex B.3.1.3.a. Capitalizing on research

Annex 9.4. Scientific conferences

Anne B.3.1.3.b. Awards and medals

Annex 9.3.1. IPI Bulletin

Annex 9.3.2. POLITEHNIUM Publishing House

B.4 – The Financial activity of the organization

B.4.1. Budget and accountancy

B.4.1.1. The revenue and expenditure Budget

Min: The University has an annual budget of revenues and expenditures approved by the Senate which is followed by the book. The annual salary expenses in a higher education institution must not be higher than that percentage of the total income that can ensure its sustainable functioning. The students' fees are calculated in accordance with the average annual study fees in the state educational system financed from the budget for similar bachelor degree, master degree or doctoral degree studies and are communicated to the students through various means. The students are informed about the University's financial assistance possibilities and about the way in which their fees are used. After 77 years of uninterrupted existence, the University owns 100% of the educational spaces, including all the necessary equipment.

Annex 7.2.2. Expenditure and income budget for 2014

Annex 7.2.3. Income and expenditure budget – appraisements for 2015-2018

Annex 7.4. School fees

Annex 6. Space property documents

B.4.1.2. Accountancy

Min: In order to obtain and preserve the accreditation status, the institution has to prove that it has its own functioning accountancy department, through the inventory book, the balance sheet, the budgetary account and the management report, which show that expenses made are in agreement with the law, with the revenues collected and their destination, as well as with the nonprofit character of the institution.

Ref.1 The accounting activity is in electronic format and transmarent at all times.

Annex 7.3.1. Balance Sheet

Annex 7.3.3. Management Report

Annex B.4.1.2.a. The result patrimonial account

Annex 7.3.2. Budgetary account

Annex B.4.1.2.c. Expenditure details

Annex B.4.1.2.d. The analysis report based on the Balance Sheet

Annex C.6.1.1. Department of Computerization Management

B.4.1.3. Auditing and public responsibility

Min: In order to obtain and preserve the accreditation status, the institution demonstrates the existence of internal and external financial activity audit procedure. The balance sheet, the budgetary account and the results of the external audit of financial situations are made public as a result of the Senate's analysis.

Annex 7.6.1.c. Audit Plan 2015-2017

Annex 7.6.2. Internal Audit Report

Annex 7.6.1.a. The Internal Audit Plan 2014

Annex 7.6.1.b. The Public Internal Audit Report 2015

Annx 7.6.1.c. Internal Strategic Audit Plan for 3 years - 2015-2017

http://www.tuiasi.ro/uploads/files/Raport_starea_universitatii_TUIASI_2013.pdf

http://www.tuiasi.ro/uploads/files/raport_stare_2012_fara_anexe.pdf

C. QUALITY MANAGEMENT

C.1. Quality assurance strategies and procedures

C.1.1. Quality assurance structures and policies

C. 1.1.1. The Organization of the quality assurance system

Min: In the institution there exists a central committee, as well as study programme-based committees that work in an integrated manner.

Ref.1: The committee promotes a quality-based culture in the institution.

Annex C.1.1.1.a. Procedure regarding the organization and functioning of the quality evaluation and assurance committee CEAC

Annex C.1.1.1.b. Decision regarding the nominal structure approval of the quality evaluation and assurance Committee CEAC

Annex C.1.1.1.c. Decision regarding the nominal structure approval of the quality evaluation and assurance subcommittees

Annex C.1.1.1.d. Decision regarding the appointment of the academic Bachelor's degree and Master's degree programmes coordinators

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Ref.2: The committee develops activities that establish qualitative and quantitative benchmarks (benchmarking), through a comparison with other universities in our country or abroad meant to evaluate and monitor quality.

The University has participated in joint projects during which new methodologies, standards and indicators for quality evaluation and assurance have been identified. The CEAC members and ARACIS evaluators participate in international conferences on quality control and programmatic instruction.

Annex C.1.1.1.e. Participation in activities in the field of quality assurance

C.1.1.2. Quality assurance policies and strategies

Min: There exists a quality-centred policy programme of the University which also establishes the means of carrying out such policies.

Annex C.1.1.2.a. The policy in the quality domain

Annex C.1.1.2.b. The Rector's declaration concerning the quality domain

Ref.1: Each policy is related to achievement strategies with concrete provisions and deadlines.

Annex A.1.2.2.a. The Strategic Plan 2012 - 2016

Annex A.1.2.2.b. The Operational Plan 2012

Annex A.1.2.2.c. The Operational Plan 2013

Annex A.1.2.2.d. The Operational Plan 2014

C.2. Procedures Regarding the Initiation, Monitoring and Periodic Review of Study Programmes and Activities

C.2.1. The approval, monitoring and periodic evaluation of study programmes and diplomas corresponding to required qualifications

C.2.1.1. The existence and application of the regulations regarding the initiation, approval, monitoring and periodic evaluation of study programmes

Min: The regulations exist and are applied.

Ref.1: The regulations are associated with a study programme monitoring system, based on information and data.

Annex C.2.1.1.a. Procedure regarding the initiation, approval, monitoring and periodic evaluation of study programmes

Annex C.2.1.1.b. The internal evaluation procedure

C.2.1.2. The correlation between diplomas and qualifications

Min: The study programmes and diplomas are devised and issued in conformity with the requirements of higher education qualifications.

Ref.1: The study programmes are periodically reviewed so as to comply with the dynamics of higher education and professional qualifications.

Appendix C.2.1.1.a. Procedure regarding the initiation, approval, monitoring and periodic evaluation of study programmes

C.3. Procedures for the Objective and Transparent Evaluation of the Learning Process Results

C.3.1. Students' Assessment

C.3.1.1. The University has regulations regarding the students' assessment and grading system which are applied in a rigorous and consistent manner

Min: Such regulations do exist, and there also exist specific consistent application procedures known by the tenured staff and by the students. Each examination procedure presupposes the presence of another member of the teaching staff, together with the course coordinator.

Ref.1: The regulations exist, and so do detailed application procedures/ techniques/ methods, in the form of students' assessment package of techniques/methods which are consistently brought to the knowledge of all the factors involved.

Annex B.1.2.1.b. The Students' assessment and grading procedure

Annex 2.3.1 The Organization of teaching activities for Bachelor's Degree studies

Annex 2.3.4 The Organization of teaching activities for Master's Degree studies

Annex 2.3.8. Completion of Bachelor's (undergraduate) studies (1st cycle- Bologna System)

C.3.1.2. The integration of assessment procedures in devising the teaching/learning process for courses and study programmes

Min: Each course is designed so as to combine teaching, learning and assessment. The assessment and evaluation procedures are centred on the results of the learning process and are communicated in detail to the students in due time.

Annex B.1.2.1.a. The Curriculum design procedure

Annex B.1.2.1.b The Students' assessment and grading procedure

C.4. Procedures for the periodic evaluation of the professorial staff

C.4. 1. The quality of the teaching and research staff

C.4.1.1.The ratio students/professorial staff

Min: Depending on the specificity of the study programme, the University establishes the ratio it considers to be the best for its objectives and the academic quality level, between the number of tenure positions held by the teaching staff with the main teaching load in the University and the total number of students enrolled. For quality evaluation, each member of the teaching staff is considered to have the main teaching load in one University. In the academic year of 2014/2015 the students/teaching staff ratio is 0.055 (1/17.88).

Annex C.4.1.1.a. Guide for the designing of Self-Assessment Reports on Bachelor's Degree programmes

Annex C.4.1.1.b. The ratio students/teaching staff

C.4.1.2. Evaluation by peers

. **Min.:** Evaluation by peers is organized periodically. It is based on general criteria and on peer preferences.

Ref. 1: Peer evaluation is compulsory and takes place periodically. For each department there is a committee for the annual evaluation of the didactic and research performance of every teacher/researcher and an annual report regarding the quality of the teaching and research staff.

Annex C.4.1.2. The peer evaluation procedure

C.4.1.3. Evaluation of the teaching staff by students

Min.: There exists an evaluation form of all the teaching staff by students, approved by the Senate, which is optionally applied after each teaching semester. Its results are confidential: The results are known only by the dean, the rector and the person that is being evaluated.

Ref.1: The evaluation by students is compulsory. The results of the teachers' evaluation by students are individually discussed, and are statistically processes for each department, faculty and for the whole University. They are then analysed at faculty and University level with a view of making them transparent and of devising a policy regarding the quality of the instructional process.

Annex C.4.1.3. Teaching staff evaluation procedure by students

C.4.1.4.Evalution made by the Management of the University

Min: The teachers evaluate themselves and are evaluated annually by the head of department.

Ref. 1: The University has at its disposal an annual multi-criteria evaluation form for each member of the professorial staff and a performance classification system for teaching, research, and services brought to the University and to the community. The promotion of the professorial staff depends on the results of this evaluation, combined with the results of evaluation made by peers and by students.

Annex C.4.1.4. Teaching staff evaluation procedure by management structures

C.5. Availability of adequate learning resources
C.5.1. Learning resources and student services
C.5.1.1. Availability of learning resources

Min: The University provides free of charge learning resources (course books, treatises, bibliographic references, chrestomathy, anthologies, etc.) for each study programme in its libraries, resource centres, etc., either in printed or electronic format. Beside the electronic access, the University library has to be endowed with a sufficient number of volumes published in our country or abroad, as well as with subscriptions to the main smecialized journals published in our country and abroad for each discipline included in a study programme. Each library has its own programme and resources for providing books and journals.

Ref. 1: The ratio between the available learning resources and the number of students is established so as each student might have access to any resource, in conformity with the objectives and requirements of the study programmes.

Annex 5.3. General presentation of the University Library
Annex 5.5.1. Periodic subscriptions, databases
Annex 5.5.2. International publication exchange
Annex 3.3. The University Library staff
Annex C.5.1.1.a. The Library's organization and functioning regulations
Annex C.5.1.1.b. Library software

C.5.1.2. Teaching as source of learning

Min: The teaching staff have at their disposal up-to-date teaching strategies for each course, in conformity with the study programme, the students' characteristic features, the cycle and type of study programme and the predefined quality criteria.

Annex B.1.2.1.a. The Curriculum Design Procedure

C.5.1.3. Stimulation and make up programmes

Min: The University has at its disposal programmes meant to stimulate the students with high results and also programmes meant to make up for the students' learning difficulties. The students that participated and were awarded prizes in international mathematics competitions have been stimulated. Likewise, the University stimulates the students who have received awards at the local and national phases of professional competitions, as well as the students who have received awards at the sessions of the students' scientific societies. The University supports the students coming from foster homes and it has supported students with learning difficulties, whenever necessary.

Annex C.5.1.3. Student stimulation programmes

C.5.1.4. Student services

Min: The University has at its disposal a minimum number of social, cultural and smort services for students, such as: accommodation for at least 10% of the students, smorts ground, various counselling services, all of which are fully efficient.

Ref. 1: The University offers various services to the students and has smecial programmes that ensure a good quality student life. These programmes are periodically monitored and evaluated.

The University has a student campus made of 22 student hostels (T1…T21) and C3, with a capacity of almost 8,000 accommodation places, a student canteen, a Health centre, the Sports hall, and two electro-thermal units (TV2, TV3), which actually ensure the thermal independence and a great part of the needed electricity.

Annex C.5.1.4.a. Duties and objectives of the Student Service Department
Annex C.5.1.4.b.The Students' Health Centre
Annex C.5.1.4.c. Sports facilities

C.6. Systematically updated database on internal quality assurance

C.6.1. Information systems

C.6.1.1. Databases and information

Min: The institution has an information system which facilitates the collection, processing and analysis of the data and information relevant for the evaluation and the institutional assurance of quality.

Ref.1: In addition to the data and information regarding the institutional quality level, the university collects information regarding the quality level in other Romanian or foreign universities for comparison purposes, as well as and for the differentiate formulation of benchmarks.

Annex C.6.1.1. Department of Computerization Management
Annex C.1.1.1.e. Participations in quality assurance activities

C. 7. Transparency of public interest information regarding the study programmes and the provided certificates, diplomas and qualifications, as appropriate

C.7.1. Public information

C.7.1.1. Providing public information

Min: The University and all its faculties offer up-to-date and correct quantitative and/or qualitative information and data regarding the qualifications, study programmes, degrees, teaching and research staff, student services and all aspects of interest for the public in general and for the students in particular.

Annex C.7.1.1. Organizing procedures for international relations activity

Annex B.1.1.1. Activity report of the Counselling Centre for Pro and Postgraduate Guidance

C. 8. Functionality of education quality assurance structures, according to the law

C.8.1. The institutional structure for the education quality assurance complies with legal provisions and carries out its activity on a permanent basis

C.8.1.1. The committee coordinates the implementation of quality evaluation and quality assurance procedures and activities

Min: The procedures and evaluation activities regarding the quality of the education were developed and approved by the University Senate. The committee prepares the annual internal evaluation report and makes it public by posting or publishing it (including electronic publication). The committee also makes proposals to improve the quality of the education.

Ref. 1: The institution constantly implements the improvement measures proposed by the committee and collaborates with other Romanian or foreign universities in order to identify and adopt good practices in quality areas.

The university participated in joint projects during which new quality evaluation and quality assurance methodologies, standards and indicators were identified. The CEAC (Quality Evaluation and Assurance Committee) committee members and ARACIS (Romanian Agency for Quality Assurance in Higher Education) assessors participate in international scientific events on quality and in programmatic trainings.

Annex C.8.1.1.a. The 2010 annual quality report

Annex C.8.1.1.b. The 2011 annual quality report

Annex C.8.1.1.c. The 2012 annual quality report

Annex C.8.1.1.d. The 2013 annual quality report

Annex C.1.1.1.e. Participations in quality assurance activities

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V. MEASURES TO ENSURE THE ACCURACY, COMPLETENESS AND RELIABILITY OF THE INFORMATION DISSEMINATED BY THE INSTITUTION

The Institutional Internal Evaluation Report was prepared in accordance with the 2006 *External evaluation methodology, standards, reference standards and list of performance indicators* of ARACIS (Romanian Agency for Quality Assurance in Higher Education), the *Quality evaluation activities guide for university study programmes and for higher education institutions, Part III – Academic quality external evaluation of accredited higher education institution (*the December 2006 *institutional external evaluation)* and the *Guide for the elaboration of the institutional Internal Evaluation Report*, code UTI.GHID.03, approved in the 14 April 2009 Senate meeting.

All the information was formally requested from the management of the faculties, divisions, services, offices, etc., according to the Allocation of responsibilities in the field of quality. This information was uniformly centralized at the CEAC (Quality Evaluation and Assurance Committee) office and subsequently analyzed, processed and synthesized there by the members of the committee for the elaboration of the Internal Institutional Evaluation Report, comprising representatives of the faculties and the DPPD (Department of Teacher Education and Training). The information was then approved by the CEAC.

A preliminary version of the Report underwent internal review by a CEAC- proposed committee, comprising members of the executive management of the university and its report was approved in the plenary Administrative Council of the university, during the 10 March 2015 meeting.

VI. SWOT ANALYSIS

Strengths

1.   Promoting strategies able to ensure continuity of education and research activities;

2.   The activity of the university follows a long-term strategic plan, a medium-term (2012-2016) strategic plan and annual operational plans, which are subject to public discussion within the academic community, approved by the university Senate and communicated in the university.

3.   The decision-making structures of the university constantly focus on the matter of quality assurance through the establishment of a system of quality assurance and academic excellence in teaching, research and education, based on criteria and methodologies consistent with those in European countries.

4.   The promotion and adoption by the Quality Evaluation and Assurance Committee and by the faculty subcommittees of a process-based approach (PDCA) in developing, implementing and improving the effectiveness of the quality management system.

5.   The internal evaluation procedure was validated by the 100% positive results given by external evaluations conducted by the Romanian Agency for Quality Assurance in Higher Education (ARACIS).

6.   The teaching staff is numerically adequate, possesses highly specialized skills, holds Ph.D. degrees and includes members of the Romanian Academy, of the Technical Sciences Academy and of many Romanian and foreign scientific societies.

7.   Mechanisms for the periodic evaluation and performance monitoring of the teaching staff are in use and are regularly adjusted to the identified needs regarding the increase of teaching quality and the continual improvement of future graduate training.

8.   High recognition of scientific research by peer-review specialized international publications.

9.   The results of the fundamental or applied research activities carried out in grants / research projects, international collaborations, doctoral school and student scientific circles are substantial.

10.   The existence of a significant number of centres of research and laboratories that are nationally and internationally acknowledged.

11.   The organization of important scientific events, of international scope.

12.   On-line access to high-quality specialized publications, by means of the Anelis Plus project.

13.   A significant increase of the student and teaching staff mobility grants, for studying/practice/research training, and of their participation in competitions/continuing education projects/international projects and conferences.

14.   The growing cooperation, with the help of the Pro-Rectorate for Student Issues, with the Department of Student Services, with a view to a better students' involvement in the University's life.

15.   The existence of a legal framework for the activities of the Committee for Academic Ethics.

16.   A big number of cooperation relations between the doctoral supervisors and renowned researchers or specialized companies home and abroad.

17.   The University has well-articulated regulations regarding the awarding of scholarships (including social scholarships), accommodation in dormitories, student camps.

18.   The value of the University's graduates is certified by the high degree of professional integration on the labour market, due to a significant number of projects carried out by means of structural funds dedicated to student practical training.

19.   A modern academic campus, with internet access, video surveillance, control systems for hostel access, student canteen, sports hall for student, religious assistantship, etc.

20.   The achieving of investigation-like marketing researches, based on written questionnaires for the students living in the Tudor Vladimirescu campus, as regards the food services provided by the student canteen.

21.   The high accommodation capacity (aprox. 8,000 places) compared to the number of the University's students (13,755 students).

22.   The University has a well-stocked, regularly updated and computerized library. Online access to articles published in specialized journals and other publications of first class international publishing houses is possible through the Central University Library. The existence of the reading room from Building A, a room that has been a declared architecture monument since 1954.

23.   Electronic evidence of library collections, by means of the Aleph software (general and branch registering inventories, inventories by document categories, by sources of acquisition and by fields).

2. Weaknesses

1. The university possesses multiple information systems in administration, finance / accounting, scientific documentation, monitoring of teaching and research, but they are not integrated and do not facilitate the collection, processing and analysis of relevant information for quality assurance and institutional university evaluation.

2. Insufficient and undersized human resources, compared to the volume and complexity of the activities carried out by some of the departments, services and offices within the administration structure.

3. Impossibility to employ personnel for the unoccupied positions, which leads to an overcharged activity of the existing personnel and to the impossibility to continue some of the works.

4. Part of the very good students are less interested in doctoral studies, and another part prefer leaving abroad.

5. The equipment of some of the technical laboratories does not correspond to the current standards, the modernization efforts being limited by the low investment funds.

6. The doctoral scholarship is little attractive.

7. The companies often show reserves in encouraging the worthy employees to attend doctoral programmes.

8. A small number of Master's degree programmes in foreign languages.

9. Extremely reduced budget meant for internationalization.

10. Inexistence of international marketing strategy and of a international marketing office.

11. A low number of ISI publications in certain fields.

12. The research activities are dispersed in too many directions, hence the difficulty to provide a "critical mass" of researchers involved in major research themes.

13. Limited number of research projects with international funding sources.

14. Students' low involvement in some of the University's activities that target them directly.

3. Opportunities

1.   Extension of the national curriculum of the teaching staff's initial training to 120 credits by means of the Teaching Master's degree programme

2.   The investigation of the cooperation opportunities with the industry segment on relevant topics from the standpoint of doctoral research

3.   Encouraging excellence within the University, with a view to attracting further funds allotted by the Ministry

4.   The possibility to access European funds by the University

5.   TUIASI offers study programmes that are rare at the national level (textile-leather engineering, architecture)

6.   Allocation of higher funds compared to the previous years in terms of investments and endowments (own incomes) leads to an increased quality of the teaching activity, by the purchasing of new equipments, office products, furniture, as well as by ensuring higher comfort standards in hostels and in the teaching areas, by achieving investment, rehabilitation, modernization, cleaning, etc. works

7.   Stimulation of actions with a view to winning grants, as State allocations for research grow

8.   Increase of the demands coming from foreign institutions to become partners of TUIASI in different international projects

9.   An increased interest of the TUIASI students' to participate in extracurricular activities, international student contests

10.   The recent development projects attract many companies (including multinational ones), which establish centres of design, of research, of production and services in Iaşi (Continental, Delphi, Infineon, Palas etc.)

11.   The establishment, in a near future, of the Academic Centre for Data, in order to allow for the integrated system of education, research, administrative informational management, plants for electronic learning

12.   Projects of regional development, that could allow partnerships between universities, companies, local authorities and research institutions

13.   The existence of the reading room of the Library in Building A, an architecture monument since 1954

4. Threats

1.   Decrease of the student number because of low Baccalaureate graduation percentage or because of their orientation towards the labour market or other educational areas of interest

2.   Decrease of students' interest in teaching professionalisation, together with the improvement of the hope for success in the engineering field

3.   Instability of legislation elaborated by the competent bodies and the continual amending of the effectual one, leading to further efforts with a view to implementing and to a permanent change of goal priorities and of the University's strategies

4.   The elaboration, at the CNFIS and Ministry levels, of qualitative criteria according to which the higher education is funded supposes the development, at the level of the University, of some policies meant to meet the criteria in question

5.   The incapacity to predict the financial resources that would be allotted in the short and in the medium run for the achievement of the proposed goals

6.   The decrease of the students' number leads to the decrease of the University's incomes, because funding is done according to the number of equivalent students

7.   The insufficient budget allotted to education impedes the proper achievement of the educational and administrative process, as well as the attraction of competent personnel in the University

8.   The lack of solid motivation in doctoral studies for most of the good students

9.   The decrease of the number of scientific research national grants

VII. EUA EXTERNAL EVALUATION – CONFIRMATION AND EXPERIENCE

In 2012 the "Gheorghe Asachi" Technical University from Iaşi was externally evaluated by the European University Association (EUA) through the EUA Institutional Evaluation Programme (IEP), benefiting from the support of the "Performance in Research, Performance in Teaching – Quality, Diversity, and Innovation in Romanian Universities" project, which aimed to consolidate the autonomy and administrative skills by improving quality assurance and manager competence.

The fundamental feature of the IEP evaluation is assessing the institution as a whole by analyzing decision-making processes in institutional structures, the effectiveness of strategic management and esmecially the way in which the results of internal quality evaluation are used in strategic management decisions.

Consequently, the main purpose of the IEP evaluation is to provide support for improving the implementation of a quality culture in the evaluated university through a rigorous analysis of its self-evaluation report from a European and international persmective and through on-site verification of its veracity.

The IEP evaluation sought to answer the following questions:

- What is the university trying to achieve?
- How does it try to do so?
- How does the university operate in order to achieve its goals?
- How does the university change in order to improve its results?

by following the basic processes involved in the strategic management of education quality:

- The management and decision-making system
- The teaching and learning process
- Research activity
- The relationship with society
- Quality Culture
- Internationalization

The evaluation report from the EUA team shows, on the one hand, elements confirming previous results of various national external evaluations and, on the other hand, helps improve quality management in the university through the measures already taken or which are to be taken according to the provided recommendations.

Confirmations:

The "Gheorghe Asachi" Technical University from Iaşi is a serious research university, with an academic community that appreciates the institution and its members and that is eager to improve the local and international status of the university;

1.   The decision-making structures at all levels are receptive to change and ensure a collegial atmosphere throughout the university;

2.   The decision-making process is hampered by the limits set on university autonomy by government regulations, especially in terms of employing staff, the number of administrative staff, the number of students, etc.;

3.   The frequent changes in legislation cause instability and drain resources;

4.   The faculties have sufficient autonomy, especially in scientific and academic areas;

5.   Although the funding from the state budget is low, visible efforts are made to improve conditions on campus and the IT infrastructure;

6.   The curricula of the bachelor / master study programmes were revised in accordance with the Bologna principles on the number of credits, the student workload, and the description of the learning outcomes;

7.   The employability level of the graduates is sufficiently high and employers are satisfied with the training offered by the university.

8.   The practical training of the graduates could be improved by increasing the duration of the practice period;

9.   The curriculum for the study programmes must include more optional subjects and a larger share of practical work;

10.   The need to implement a student-centred curriculum, as well as a teaching and assessment approach based on learning outcomes;

11.   The "Gheorghe Asachi" Technical University from Iaşi is among the top research universities in Romania, but the effects of the 70% reduction in research funding in last years may negatively impact its placement;

12.   The university accomplishes a transfer of knowledge and technology through its participation in research projects in the Technology Park and its active role in the creation of patents (65% of the Romanian patents in the last 10 years);

13.   Most research projects include students;

14.   The university has collaborative and contractual relationships with local and regional companies that are willing to increase their contribution to the development of the university with their expertise and experience;

15.   The University has an operating online platform at the department / faculty level, through which contact is maintained with the graduates;

16.   A large part of ESG is implemented in the regulations contained in the Procedures Manual.

17.   The teaching staff is evaluated by the students and by the management structures and the evaluation results are used at intervals towards the improvement of activity;

18.   There are numerous initiatives towards internationalization, predominantly within the Erasmus programme, but also through other exchange programmes and involvement of students and teaching staff in mobility or research activities;

19.   There are at present very few courses or study programmes in English, although the university is making efforts to increase their number.

Recommendations:

-    Inclusion in the university mission of elements that reflect its profile and of the strengths which place it among the top universities in the country;

-    Development of accountability measures for its own quality in order to justify the request for more autonomy;

-    Consolidation of the coordination role of the university administration in order to align main university actions;

-    Diversification of funding sources in order to balance economic constraints and to strengthen autonomy;

-    Focussing on constant improvement of the teaching and learning process based on the learning outcomes;

-        Assessing students by quantifying learning outcomes;

-        Recognition of the credits earned while studying abroad;

-        Tracking and reducing drop-out level;

-        Using a permanent benchmarking structure to measure the positioning of the university in the ranking of university-level research institutions;

-        Providing incentives to increase the publication appetite of the less productive;

-        Organizing the doctoral school so as to encourage interdisciplinarity;

-        Developing a strategy based on its strengths in certain areas in order to attract external funding for research;

-        Involving the students in research at all levels, as appropriate;

-        Creating an advisory committee at the university level with interested external parties in order to strengthen ties with society;

-        Proposing projects as a service to the community in specific fields (earthquake and emergency aid, environment, energy, climate challenges, etc.);

-        Strengthening contacts with the graduates and their associations;

-        Integrating all quality procedures currently in force in a comprehensive and coherent internal quality assurance system, directed by the committee for quality assurance at the university level;

-        Developing accountability measures regarding both quality assurance and transparent mechanisms for the internal budget allocation, in order to justify its request for more autonomy;

-        Concluding self-evaluation reports with improvement plans and a system of implemented actions;

-        The university must have an explicit policy on internationalization and a coherent internationalization plan.

Answers and actions

a.   Since the mission of the university is a strategic matter, at the beginning of the current term (2012-2016), it was reformulated in the University Charter and in the Strategic Plan in a clear manner and in direct relation to the ratio of its traditional strengths and labour market requirements.

b.   Being aware of their role in ensuring their own quality as a measure of university autonomy, the decision-making structures at all levels apportion their actions in accordance with the general strategic objectives, academic objectives, research objectives, objectives relating to the image of the university and cooperation with similar Romanian and foreign institutions, student issues objectives, objectives relating to the computerization of the university and administrative objectives contained in the Strategic Plan and in the Operational Plans.

c.   The low and unstable funding from the state budget imposed dynamic and sustained measures to attract extrabudgetary funding. Most of it is the result of participating with viable projects and winning national and international competitions or proposing solutions to the critical issues of local or regional community.

d.   The ESG requirement of consolidating the teaching and learning process based on learning outcomes is present for now in the curriculum description of bachelor / master study programmes, while student assessment based on the quantification of the learning outcomes is only a clear goal for the future, at war with the traditionally established methods.

e.   The recognition of the credits earned while studying abroad is regulated through the Procedure for the organization of study mobility grants for outgoing students in the Lifelong Learning Programme, Erasmus sub-programme, supplemented with measures concerning all types of mobility and approved in September 2012.

f.   At the faculty level, each study programme is coordinated by a programme director who, in collaboration with the teaching staff tutors of the study years, continuously follows potential student drop-out causes and proposes measures to mitigate it (financial incentives, career counselling, psychological counselling, etc.).

g.   The University has a policy of student involvement at all levels in research and innovation projects. This is stated in the university Strategic plan and proven by the current large number of students involved in national and international projects.

h.   Our university, through members of the specialized staff, was involved in various projects:

- post-earthquake rehabilitation of both social (free) and the historical heritage buildings of the city of Iaşi / Romania (such as the Metropolitan Cathedral "Saint Paraschiva", the Palace of Culture, Golia Monastery, "Alexandru Ioan Cuza" University of Iaşi (main building), the "Râpa Galbenă" architectural complex);
- development of the city infrastructure (such as the "Mihai Eminescu" underpass in the "Fundaţie" area, the "Sfânta Vineri" pedestrian underpass at "Hala Centrală", the "Palas" Residential Complex, the project for the new Iaşi International Airport, improving the embankments of the Bahlui river);
- participation in rehabilitation and modernization of constructions in our university and in public institutions of the city;
- participation in projects for effective solutions to important environmental issues (water resources, waste disposal, air pollution);
- technical advisory services at the request of our industrial partners, in accordance with the collaboration agreements regarding student practice, procurement of equipment / materials for teaching and research areas;

i.   Internationalization, an important work dimension of the university, is implemented simultaneously through actions of the management and of the vice-rector's offices: research, didactics, students, IT services;

j.   The positioning of the university in the ranking of university-level research institutions is constantly monitored through the management of results published and indexed in various international databases and through the presence as an institution or as separate specialized domains in the classifications of international known fora;

k.   The doctoral School is organized at university level and there are no topic restrictions between existing subsections at faculty level, thereby encouraging interdisciplinary collaboration;

l.   The creation of a comprehensive and coherent internal system of quality assurance, led by the committee for quality assurance at the university level, is in progress. A decisive step in this direction is the proposal to reintroduce the Department for quality assurance and evaluation with its own staff and budget, which would manage quality as a dimension of university autonomy;

m.   Introducing improvement measures and monitoring their implementation has become the current practice in internal evaluation under the coordination of CEAC (Quality Evaluation and Assurance Committee)

ANNEXES

Annex I.3.1. Synopsis of historical data

Annex I.3.2. EUA Evaluation Report

Annex I.3.3. TUIASI Position in Webometrics Ranking

I.5.5. ETIT Charta

I.5.6. EEEAI Charta

Annex 1.1.1. GD no. 209 / 17 May 1993_TUIASI

Annex 1.1.2. Official Gazette no. 284 / 08.121937_TUIASI

Annex 1.1.3. The Charta of the Technical University of Iasi, 30.09.2011

Annex 1.1.4. University structure

Annex 1.2.1 University mission and goals

Annex 1.2.2. Teaching and Research Mission. Study programmes

Annex 1.2.3. TUIASI Research Strategy

Annex 2.1.1. Manual of procedures

Annex 2.2.1. Internal Rules and Regulations of the "Gheorghe Asachi" Technical University of Iasi

Annex 2.2.2. Organisation and Functioning Rules of the "Gheorghe Asachi" Technical University of Iasi

Annex 2.3.1 Organisation of teaching activity for Bachelor's (undergraduate) degree programme

Annex 2.3.2. Organisation of teaching activity for Master's (graduate) degree programme

Annex 2.3.3. Organisation and conduct of admission to Bachelor's (undergraduate) degree programme

Annex 2.3.4. Organisation and conduct of admission to Master's (graduate) degree programme

Annex 2.3.5. Organisation and conduct of admission to doctoral studies

Annex 2.3.6. Organisation of teaching activity for continuing professional training and development post-graduation studies

Annex 2.3.7. Organisation of Educational psychology training within the Department for Teacher Education and Training - DTET

Annex 2.3.8. Completion of Bachelor's (undergraduate) studies (1ˢᵗ cycle- Bologna System)

Annex 3.1.1. Organisation and proceedings of University management elections 2012 – 2016

Annex 3.1.2. MEC Confirmation of Rector election

Annex 3.1.4. University Management structure 2012 – 2016

Annex 3.2.1. University Organization Chart

Annex 3.2.2. Teaching staff payroll

Annex 3.2.3. Administrative staff payroll

Annex 3.2.4. Scientific research staff payroll

Annex 3.3. University Library personnel

Annex 4.1. Organisation and proceedings for the occupation of teaching jobs

Annex 4.2. List of tenured teaching personnel

Annex 4.3.1. Occupation degree of the teaching staff

Annex 4.3.2. Continuation of activity after retirement in adjunct positions

Annex 4.4.1. Occupation degree of the retired teaching staff

Annex 4.4.2. Employment of adjunct teaching and research staff

Annex 4.5. Professors and Associate Professors

Annex 4.6.1. Adjunct teaching staff

Annex 4.7. Adjunct teaching staff – declarations, approvals

Annex 4.8. 1.Teaching staff's competences

Annex 4.8.2. Teaching staff without a PhD title

Annex 4.9. Teaching training situation for adjunct professor assistants and professor assistants

Annex 4.10. Courses and works elaborated by the tenured teaching staff

Annex 4.11. Subject coverage with teaching staff

Annex 5.1.1. University's immovable assets

 Annex 5.1.2.a. Acquisitions

Annex 5.1.2.b. Inventory

Annex 5.1.3. Educational spaces capacity

Annex 5.2. Endowment of specialized laboratories with Information technology equipment

Annex 5.3. Library's general presentation

Annex 5.4. Study areas in libraries

Annex 5.5.1. Periodical subscriptions, databases

Annex 5.5.2. International exchange of publications

Annex 5.6. Seats in the reading rooms

Annex 5.7. Software equipment

Annex 5.8. Photocopied courses and works

Annex 5.9. Laboratory rooms equipment

Annex 6. Space property documents

Annex 7.1. Financial-accounting sections

Annex 7.2.1 Treasury accounts

Annex B.3.1.2.b. Doctoral School

Annex B.3.1.2.c. Research/Excellency Centres

Annex B.3.1.3.a. Capitalizing on research

Anne B.3.1.3.b. Awards and medals

Annex B.4.1.2.a. The result patrimonial account

Annex B.4.1.2.c. Expenditure details

Annex B.4.1.2.d. The analysis report based on the Balance Sheet

Annex C.1.1.1.a. Procedure regarding the organization and functioning of the quality evaluation and assurance committee CEAC

Annex C.1.1.1.b. Decision regarding the nominal structure approval of the quality evaluation and assurance Committee CEAC

Annex C.1.1.1.c. Decision regarding the nominal structure approval of the quality evaluation and assurance subcommittees

Annex C.1.1.1.d. Decision regarding the appointment of the academic Bachelor's degree and Master's degree programmes coordinators

Annex C.1.1.1.e. Participation in activities in the field of quality assurance

Annex C.1.1.2.a. The policy in the quality domain

Annex C.1.1.2.b. The Rector's declaration concerning the quality domain

Annex C.2.1.1.a. Procedure regarding the initiation, approval, monitoring and periodic evaluation of study programmes

Annex C.2.1.1.b. The internal evaluation procedure

Annex C.4.1.1.a. Guide for the designing of Self-Assessment Reports on Bachelor's Degree programmes

Annex C.4.1.1.b. The ratio students/teaching staff

Annex C.4.1.2. The peer evaluation procedure

Annex C.4.1.3. Teaching staff evaluation procedure by students

Annex C.4.1.4. Teaching staff evaluation procedure by management structures

Annex C.5.1.1.a. The Library's organization and functioning regulations

Annex C.5.1.1.b. Library software

Annex C.5.1.3. Student stimulation programmes

Annex C.5.1.4.a. Duties and objectives of the Student Service Department

Annex C.5.1.4.b.The Students' Health Centre

Annex C.5.1.4.c. Sports facilities

Annex C.6.1.1. Department of Computerization Management

Annex C.7.1.1. Organizing procedures for international relations activity

Annex C.8.1.1.a. The 2010 annual quality report

Annex C.8.1.1.b. The 2011 annual quality report

Annex C.8.1.1.c. The 2012 annual quality report

Annex C.8.1.1.d. The 2013 annual quality report