MINISTERUL EDUCAȚIEI, CERCETĂRII ŞI INOVĂRII
UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAŞI
Bulevardul Prof. D. Mangeron nr.67, 700050 Iaşi
ROMÂNIA
Tel: 40 232 212322 **Fax:** 40 232 211667
URL: www.tuiasi.ro **E-mail:** rectorat@staff.tuiasi.ro

REPORT
ON INSTITUTIONAL INTERNAL ASSESSMENT

Iaşi
14 April 2009

„Gheorghe Asachi" Technical University of Iaşi **Registration No …….....…….**	**Romanian Agency for Quality Assurance in Higher Education** **Registration No …...…../…....**

REPORT
ON INSTITUTIONAL INTERNAL ASSESSMENT

Contact person:
Prof.univ.dr.ing. Neculai SEGHEDIN
Director of Department for Quality Assessment and Asurance (DEAC)
tel. 0742 137548, 0232 262328
e-mail: deac@staff.tuiasi.ro

This report was approved by University Senate based on the **procedure of internal institutional assessment**. The data contained in the **Report** is complete, correct and in accordance with the principles of academic ethics.

Rector,
prof.dr.ing. Ion GIURMA

CONTENTS

pag.

I. The university mission 5
II. The university objectives 7
II.1. The academic objectives of the university 7
II.1.1. General objectives 7
II.1.2. Objectives regarding the education process 7
II.1.3. The human resources strategy 11
II.2. Administrative objectives and strategies 12
II.3. Research Objectives 15
II.4. *Objectives regarding the university image and the cooperation with similar institutions from our country and aboard* 17
III. The university strategy on academic quality assurance 22
III.1. The quality culture within "Gheorghe Asachi" Technical University of Iasi *22*
III.2. The strategic objectives of the university in the quality assurance area *26*
IV. Prezentation of faculties and departments 31
V. Short history 46
VI. The dynamic of the university performance in the last five years 49
VI.1. The dynamic of university performance in the area of didactic activity *49*
VI.2. The dynamic of performance in the financial-economic activity *51*
VI.3. The dynamic of performance in scientific research activity *54*
VI.4. The dynamic of performance in international relations and university image *55*
VII. The quality of study programs and mandatory requirements 58
1. Legal status *58*
2. University Charter *60*
3. Management of organization, management structures *60*
4. Teaching staff *61*
5. Material Base *61*
6. Financial Activities *62*
7. Students *63*
8. Research activity *63*
VIII. The process of quality assurance of study programs, standards, reference standards, as part of institutional strategic management 64
A. Institutional capacity 64
A.1. Institutional, administrative and managerial structures 64
A.1.1. Mision, objectives and academic integrity 64
A.1.1.1. Mision and objectives 64
A.1.1.2. Academic integrity 64
A.1.1.3. Public responsibility 64
A.1.2. Management and Administration *65*
A.1.2.1. The management system *65*
A.1.2.2. Strategic management *65*
A.1.2.3. Efficient administration *65*
A.2. Logistics *66*
A.2.1. Patrimony, endowing, financial resources allocated *66*
A.2.1.1. Spaces for education, research and other activities *66*
A.2.1.2. Endowing *66*
A.2.1.3. Financial resources *67*
A.2.1.4. The system for granting scholarships and other forms of material support for students *67*

B. Educational efficacity 67
B.1. Study programs content 67
B.1.1. Students admission 67
B.1.1.1. Political principles for admission to the study programs of the institution 67
B.1.1.2. Admission procedures 68
B.1.2. The content and the presentation of study programs 68
B.1.2.1. The structure of study programs 68
B.1.2.2. Differentiation in drawing up the study programs 69
B.1.2.3. The relevance of study programs 69
B.2. Learning outcomes 69
B.2.1. Use of the obtained university qualification 69
B.2.1.1. Use by means of penetrating the labor market 69
B.2.1.2. Qualification use by means of postgraduate studies 69
B.2.1.3. The level of students' satisfaction related to personal and professional development provided by the university 70
B.2.1.4. Focusing of teaching methods on students 70
B.2.1.5. Professional orientation of students 70
B.3. Scientific research activity 71
B.3.1. Research programs 71
B.3.1.1. Research programming 71
B.3.1.2. Carring out the research 71
B.3.1.3. Using the research outcomes 71
B.4. Financial activity of the organization 72
B.4.1. Budget and accounting 72
B.4.1.1. Budget and accounting 72
B.4.1.2. Accounting 72
B.4.1.3. Audit and public responsibility 73
C. Quality management 73
C.1. Strategies and procedures for quality assurance 73
C.1.1. Structures and policies for quality assurance 73
C.1.1.1. Organization of quality assurance system 73
C.1.1.2. Policies and strategies for quality assurance 74
C.2. Procedures regarding initiation, monitoring and periodicall reviewing of study programs and other activities 74
C.2.1. Approving, monitoring and periodicall assessment of study programs and of corresponding diplomas 74
C.2.1.1. Existence and applying of regulations regarding initiation, monitoring and periodicall reviewing of study programs 74
C.2.1.2. Correspondence between diplomas and qualifications 74
C.3. Objective and transparent procedures for learning outcomes assessment 75
C.3.1. Students assessment 75
C.4. Procedures for periodicall quality assessment of the academic staff 75
C.4.1. The quality of academic and research staff 75
C.5. Accessibility of learning resources 76
C.5.1. Learning resources and students services 76
C.6. Database systematically updated, related to internal quality assurance 78
C.7.Transparency of public information on the available study programs,certificates, diplomas and qualifications 78
C.8. The functionality of quality assurance structures, according to low 78
IX. Presentation of measures to ensure the accuracy, completeness and reliability of the disseminated information by the institution 80
X. SWOT analysis for all activities area of the institution 81

I. The university mission

The "Gheorghe Asachi" Technical University of Iasi is an educational and research institution with the mission to create and exploit knowledge.

The university assumes the role of transmitting knowledge to new generations and to the entire society, in order to educate and permanent training.

The university awards qualifications for the labor market. As organizer of doctoral studies, the University confers the title of PhD in science.

The main instruments for achieving the university mission are:

a) The recruitment of teachers and the regulation of thier status based on the relation between research activity and teaching activity;

b) creating and guaranteeing of freedom and necessary conditions for students to reach their objectives in terms of culture and training;

c) encouraging the mobility of teachers, researchers and students in other universities, for documentation, for reciprocal exchange of information and for developing joint scientific initiatives. Implementation of a general politics for recognition of studies and validation of titles, with the preservation of the traditions and historical origins of the education from "Gheorghe Asachi" Technical University of Iasi.

The "Gheorghe Asachi" Technical University of Iasi is among the oldest and well known institutions from the country, having an important tradition in engineering, scientific and cultural education, having a distinguished presence at international level. The university trains engineers with high qualifications, able to respond quickly and efficiently to requirements of innovation, research and economic development. Also, the university caries on programs for continuously upgrading of engineers professional skills, imposed by global changes in social environment.

The university has a large opening towards the European system of education and research values, and wants to join the European dimensions of engineering education, to develop the curriculum, to join the mobility schemes and the integrated programs of study, education and research. The university is aware of its duties at national and international level.

The university has resources of intelligence and creativity, as well as the necessary competence for accomplishing the complex mission to generate, preserve, disseminate and apply the accumulated scientific knowledge. It is concerned with establishing a system for quality assurance and academic excellence in teaching, scientific research and education, system based on the criteria and the methodologies compatible with those from the European countries.

The Mission of “Gheorghe Asachi” Technical University of Iasi is extremely complex and includes teaching and research activities in all its structural entities. The university provides initial

training courses of long duration (4 years - engineers and 5 years - architects), having a mission primarily didactic and of research, Master programs with a didactic and research mission, postgraduate studies programs (PhD) with an intense research character and continuing education programs, professional conversion training, improving programs etc.

The scientific research is an inherent university dimension, has an important place in all university activities and is the base of a high professional level . Research is performed either within departments, each professor being a scientific researcher, either within research teams from departments. The research activity is a means of enhancing the professors qualification and represents the essential modality to stimulate the interest in scientific production and it is a basic criterion for academic assessment and for professors promotion.

The reminded mission, which is the essence of the technical higher education school, acquires a particular importance today. This requires that everyone involved in the engineers training process shift from envisaging the future in in present terms to a lucid assessment of the present in future terms. This involves accepting the fact that a complex technical problem no longer belongs to a restricted area of a single engineering branch.

Measurable performances of academic activities place the university among prestigious internationally institutions. These performances are:

- ✓ scientific papers published in foreign journals;
- ✓ participation in foreign congresses and symposiums;
- ✓ articles published by foreign authors in the Bulletin of the University;
- ✓ teachers and students exchanges;
- ✓ printing the university textbooks;
- ✓ exchanges of publications;
- ✓ agreements of cooperation and recognition at scientific and teaching level;
- ✓ active participation in European programs and in contracts with other universities.

Proper appreciation of these performances require a general accreditation of higher education institutions of international, national, regional level, relating to the proposal of Ministry of Education, Research and Youth.

The university structure and its activities prove the dimensions of the professional coverage and show what the university offeres for the young engineers' career.

II. The university objectives

II. 1. The academic objectives of the university

By their vocation and functions, higher education institutions are meant to contribute to the construction and affirmation of society, knowledge and learning. University is intended to create, preserve, disseminate and apply knowledge for the benefit of the community and of the nation. To achieve this goal, the university follows:

II.1.1. General objectives

- implementing a system for assurance of quality and academic excellence in teaching, research and education, system based on the criteria and the methodology compatible with those from other European countries;
- promoting the academic freedom, honesty and integrity, independence in thinking, participatory leadership in all activities, fighting against exclusivity and social exclusion;
- promoting science in the spirit of democratic values, moral standards, academic freedom, openness to integration into the international scientific community and in the spirit of European culture and civilization;
- promoting academic programs which allow students personal affirmation, developing of their intellectual ability and professional knowledge, according to their talents and aspirations;
- to respond flexible to the educational needs through valorizing the school experience and facilitating the use of modular programs with credit accumulation and transfer possibilities;
- focusing on postgraduate training programs (Masters, doctorat, professional conversion) with budget financing, but especially in a self financing regime;
- reconsidering the role of research in higher education by promoting a favorable climate for creation and innovation in education, and encouraging the scientific research; both components, the scientific and teaching, are vital for the academic profile;
- identifying and attracting as many sources as possible of extra income with the emphasis on reducing the costs.

II.1.2. Objectives regarding the education process

The teaching process from "Gheorghe Asachi" Technical University of Iasi develops in 11 faculties and 3 departments, according to organization structure, with a total of 59 specializations for Bachelor studies (cycle I), 1 specializations for Master postgraduate studies, 117 specializations of postgraduate courses, 41 specializations of postgraduate higher specialization courses, 107

professional conversion program at the university level, 1 professional conversion program at postgraduate level and 1 program of postgraduate academic studies. The Faculty of Construction and Installations has a specialization in English and French at a Bachelor as well as a Master taught in English. They also enroll students at evening courses . From all Bachelor programs, 51 are accredited and 8 are permitted to operate temporarilly (According to Government Decision nr. 676/2007). All postgraduate programs have got the approval for functioning from the Ministry of Education, Research and Innovation.

The university strategy has allways consisted in the development and diversification of postgraduate education through Masters and doctorate programs, postgraduate academic studies, and modules with advanced postgraduate courses, specialization and professional conversion. Postgraduate training is organized in close relationship with scientific research programs of the university faculties and departments, and are designed for training new generations of researchers in areas of strict necessity for the economy.

Fulfilling in good conditions the university mission, requires achieving specific goals in areas of activity, correlated with the evolution of Romanian society and the country's integration into the European Community. The University has adopted the structure of three training cycles (Bachelor-Master-Doctorate), which is today generalized to all faculties.

In the field of educational activity, the main objectives are:

- promoting science in the spirit of democracy, moral standards, academic freedom, openness to integration into the international scientific community and in the spirit of European culture and civilization;
- promoting academic programs to respond to developments on the labor market, allowing the assertion of students personality, developing their intellectual ability and professional knowledge, according to their talents and aspirations;
- increasing the offer of postgraduate training programs (retraining, specialization, professional conversion) in self funding regime;
- increasing teaching quality by accreditation of Bachelor study programs and Masters, as well as by permanent following specific quality standards at the highest level;
- attracting high school graduates to the technical university through information on the programs of study offer, on the engineer’s importance in the knowledge society, on the conditions of study and life for our university students;
- harmonizing the study programs with those of similar universities in the country and in Europe, so that credit transfer system to get value in student mobility;
- using the opportunities offered by the Europeean programs to achieve exchanges of teachers and students in order to improve the methods of teaching - learning and the quality of education.

II.1.2.1. Process based aproch of the didactic activity

The "Gheorghe Asachi" Technical University of Iasi has adoped a process based approach in the development, implementation and improvment of the quality management system effectiveness, in order to increase customer satisfaction by fulfilling his requirements. The processes defined in the university, which are generally multidisciplinary, include administrative services, other forms of support as well as those related to assessment process, such as:

- strategic processes to determine the role of university in the social and economic environment;
- ensuring the education capability;
- developing, analyzing and updating of curriculum;
- selection and admission of students;
- students examination and grading;
- final assessment of graduates;
- support services for the teaching – learning process;
- internal and external communication;
- processes control.

As a strategy to meet the requirement outlined above, The "Gheorghe Asachi" Technical University of Iasi intends to continue the processes identification and analysis, their documentation, testing, assessment and continuous improvement. The Commission for Quality Assurance and Assessment of the university, will clearly define its role and will receive the necessary authority to accomplish the laws requirements.

Will be continued the internal assessment for the accreditation of the 11 Bachelor programs, will be made every effort to obtain authorization for the temporary funtion for the new specializations offered in November at Bachelor programs, will be completed the periodical assessment activities in order to maintain the accreditation for Bachelor academic programs and will be taken all necessary measures for accreditation of Master programs.

II.1.2.2. Focusing on student needs in designing the study programs

The needs and expectations of every higher education institution are very specific and their definition should be given by the academic leadership. The university success depends on understanding and satisfying the current and future needs and expectations of customers, potential customers and stakeholders.

To this end, the university will act for:

- identifying the stakeholders and maintaining a balanced attitude in relation to their needs and expectations;
- translating the needs and expectations into requirements;
- dissemination of requirements throughout entire university;

- continuous improvement of the process of value creation for stakeholders;
- understanding the needs and expectations of its customers, including those of potential customers;
- determining the key characteristics of the teaching process;
- identifying and assessing the market competition;
- identifying the opportunities, weaknesses and the future competitive advantages in the educational market.

II.1.2.3. Diversifying the educational offer

In order to found new Bachelor and Master programs, the university will consider the requirements of labor market in accordance with the professions nomenclature of the Ministry of Labor and Social Protection, will define the graduate's qualifications and will demonstrate the capability to provide the necessary certification for its clients.

The opportunity to found new branches in the country and university extensions abroad, will be analyzed taking into consideration recent Romania's integration in the European Union and the granting to the European citizens of the same rights as those of the Romanian citizens. For that purpose, new Bachelor and Master programs in foreign languages will be founded and developed.

Will be made the differentiation of university Master's programs from vocational / research point of view, in order to prepare specialists in various fields.

It will be encouraged the organization of university Master programs and postgraduate programs in partnership with other institutions or companies, as well as universities abroad.

It will be examined the possibility of diversifying the forms of education by offering part-time or long distance programs.

II.1.2.4. Development of methods and contexts for teaching and learning in order to assure excellency in the education process, through:

- curricula development in order to achieve a greater adaptive flexibility and the capacity to meet the customers demands; programs will be structured so that the teaching process takes place with minimum cost, to increase the graduates capacity of adapting to society changes, enabling them to penetrate more easily into related fields of specialization;
- content harmonization between fundamental, technical and specialized subjects, in order to eliminate superposition, repetitious and out of date information; periodically, in faculties councils, will be examined the subjects or groups of subjects and will be made recommendations for content improvement;
- harmonization of plans and programs with those of similar universities from our country and from Europe, so that ECTS become valuable in students' mobility process;

- using the opportunities offered by the European programs to achieve exchanges of professors and students in order to improve the teaching - learning methods and to enhance the quality and accountability of the education process;
- upgrading didactic technology and material basis, classrooms supply with audio - visual equipment for teaching and promoting an interactive teaching system;
- content improvement of diploma projects by increasing the original contribution of students on creative – scientific aspect, promotion of complex interdisciplinary projects which stimulate the students teamwork within the same faculty or various faculties;
- perfecting the examination and grading methods by expanding the dialog student – professor and the permanent assessment during courses, seminars, laboratory or projects, by promoting the synthesis essays and homework, by assessing the students ability to apply the assimilated knowledge and the degree of understanding the phenomenon, increasing the role of the individual study.

II.1.3. The human resources strategy

To ensure a high qualified academic staff, the following will be taken into consideration:

- The recruiting of future professors from the graduates with best professional results, from PhD students, specialists in research, design or production, based on contest, pursuing the performance in didactic and scientific activities. To prevent the failure of such actions is expected that the recruitment of academic staff to be made after graduation of the doctorate program. In this way, future teachers can decide if they have or not the vocation for this profession. It is required to overcome the formalism of contests for occupying a teacher job (the public lesson was eliminated). It is required much more careful quantification of didactic performances along with scientific contribution of candidates;
- Covering the practical activities related to curricula by full-time PhD students , students from Master programs or by the staff temporary hired on research contracts, with the stipulation to keep the professional exigency imposed by the university. PhD grants themselves could result from the exercise of functions related to assistant professor job;
- We will promote a climate of success where all staff can work at full capacity, the performance being recognize and rewarded;
- We will support and encourage the improvement of teaching staff, using all legal means (PhD, grants for documentation and improving, etc.);
- Improving the system for teaching staff assessment, used for job contests or for taking decisions related to differential payment, according to the performance.

II.2. Administrative objectives and strategies

II.2.1. Objectives and strategies for management and for quality assurance

– Accurate reporting to the Ministry of Education,Research and Innovation, the number of regular students and students who pay fees (on January, the 1st and October the 1st of each year) with the correct classification of students on fields of study, in order to obtain the base funding.

– Continuing the implementation of quality indicators set by C.N.F.I.S. which currently represents 30% of the total base funding and whose share in the future may increase, depending on the methodologies adopted by C.N.F.I.S.

– Rigorously implementation of the Strategic Management. Drawing up the Strategic Plan

– Quality assurance for the academic management. Ensuring the operating of Commission for quality assessment and assurance at the "Gh Asachi" Technical University from Iaşi and its 19 subordinated sub commissions (11 faculties, 5 departments, the General Administrative Directorate, Financial Accounting Department, Human Resources Department). Improving the quality of the academic and administrative management of the university, faculties, departments, directions, services, offices, through periodic review of The Standard Operating Procedures Manual: procedures for managerial processes, for basic processes and for the support services.

– Backgrounding the decision making and ensuring the communication flow for transmiting the decision documents. Decisions will be based on studies of opportunity, efficiency analysis, statistical analysis, in order to reduce risk factors, in accordance with regulations in force and in order to ensure information flows (both in paper and in electronical format) for the transmission of decisional documents;

– Providing appropriate work conditions in terms of protection and safety, occupational medicine, environmental protection, prevention and extinguishing of fire.

II.2.2. Human resources objectives and strategies, continuous training and social protection of employers

– Adequate planning of employers number. Updating the organization chart of the university, faculties, departments, directions, services, offices, and compartments of "Gheorghe Asachi" Technical University of Iaşi; updating the personal establishment, individual labour contracts and personal establishment for a proper estimation of the staff number, according to the requirements of the law in force and the basic funding, subventions and incomes;

– Staff salaries and granting salaries increases. Ensuring the necessary funds for salaries and salaries increases, according to regulations of Parliament or Government;

– Ensuring funds for meal tickets according to Law no. 142 / 1998 on granting meal tickets, published in the Official Gazette Part I, no. 260 of 13.07.1998, the Order of Minister of Labor,

Family and Equal Opportunities 651 from 16 July 2007 regarding the establishment of indexed nominal value of meal ticket for semester II, 2007, published in the Official Gazette Part I, no. 499 of 25.07.2007;

– Continuous professional traning of employers. Preparing the annual plan for training, in accordance with employees union;

– Professional performances assessment will be made until late May, each year according to Law no. 231 of 6 July 2007, that approves the Government Ordinance no. **10/2007** regarding the increase of salaries, which will be granted in 2007, to the budgetary staff according to Government Emergency Ordinance no. **24/2000** regarding the establishment of salaries for the budgetary contractual staff and the remunarated staff, according to annexes no. II and III of Law no. **154/1998** regarding the establishment of basic salaries in the budget area and allowances for persons who occupy public jobs, published in the Official Gazette Part I, no. 474 from 11.07.2007 and Law no. 220 from 4 July 2007 to approve the Government Ordinance no. **11/2007** regarding salary increases which will be granted in 2007 to the didactic staff from the education system, paid according to Law no. **128/1997** regarding the Statute of the teaching staff, published in Official Gazette, Part I, no. 478 from 18.07.2007.

II.2.3. Strategic objectives regarding the social protection of students and PhDs

– Grants and financial aid for students and PhDs;

– Granting transportation facilities for students ;

– Granting facilities for students accomodated in „Tudor Vladimirescu" Students Complex from Iaşi

– Equipment and endowment of canteen - a restaurant with 500 seats in the Student Campus "Tudor Vladimirescu" Iaşi.

II.2.4. Economic objectives and strategies for the development of the material funds

– Public acquisition of services / products. Conducting the procedurs for the procurement of materials, inventory items, fixed assets, services, according to the normative acts in force on that date, and future acts that would regulate public procurement;

– Development of material base in order to ensure the locations necessary for teaching processes**.** Identifing the necessary equipment to ensure the acquisition of fixed assets (IT equipment, specific laboratory equipment). The funds will be from the budget and from own incomes of faculties, departments, laboratories and will be used to endow classrooms and laboratories, in order to conduct an optimum didactic process;

– Maintenance of the material base. Preparation and approval of documents for capital repair works to buildings operating before 1979, documentation preparation and approval to reinforce the buildings which are not safe, and acquisition of afferent services;

– Adequate ensuring with heat, electricity, gas and water in accordance with quality standards at optimal parameters, rational use of these utilities, respecting the environmental protection;

– Respecting the imposed limits regarding phone calls***;***

– Disposal of fixed assets and inventory items with physical and / or moral usage or of those who have the normal operating duration exceeded, according to legal norms;

– Ensuring the security for university buildings;

– Obtaining incomes by renting temporarily available locations, associations and guest rooms;

– Outsourcing of administrative activities.

II.2.5. Objectives and strategies regarding information and documentation

– Modernization and upgrading of communication system;

– Supporting the education and research in TUIASI;

– Supporting the activities of administrative departments from TUIASI;

– Proper functioning of the main IT network tuiasi network (the backbone);

– Managing the academic network tuiasi ;

– Technical assistance for users of tuiasi network;

– Improving the educational supply of the Library of "Gheorghe Asachi" Technical University of Iaşi and enriching the publications collection;

– Development of infrastructure and of the communication management for the library;

– Establishment of the Communication Management Department. The development of the communication system of “Gheorghe Asachi” Technical University of Iasi imposed the reorganization of the activity in this area. Starting with the existing teams, under the leadership of the General Administration Department namely: the Service of Communication and Analysis (operating with an Office of Service Maintenance, a Data Communication Bureau, a Statistics Bureau and a Programming Office) has been decided (Decision of Senate Technical University "Gheorghe Asachi" of Iasi Nr. 206/02.02.2009) the foundation of a Department of Communication Management. This decision shows the preoccupation within university to ensure the framework necessary for the communication activity, and our understanding of the increasingly important role of the communication system for ensuring the institutional quality of the education and research. The Communication system of the “Gheorghe Asachi” Technical University of Iasi is based on

logistics in a continuous development and update. The computers number at the university level has exceeded 9000 units (3500 in the university campus area and over 5500 in the students campus area) and the digital communications network had a great expansion and modernization. Thus, in 10 student hostels, the interior networks were upgaraded, students having free Internet access, interconnection being achieved through optic fiber lines. We currently upgrade the infrastructure of optical fiber from the university campus in the area Splai Bahlui, where are located most faculties and administrative services. Concerning the use of the Internet, there is a number of more than 1000 e-mail addresses of university staff.

II.3. Research Objectives

II.3.1. Integration of "Gheorghe Asachi" Technical University of Iasi into a communication system regarding strategies and topics of scientific research for national and international competitions for granting projects; this integration will be done through the Center for Research and Technology Transfer - Polytech and through the research departments of the university. There will be offered information about the scientific research activities, fundamental and applicative, design, expertise, consulting, technology transfer, manufacturing of products and new materials, technical assistance and other activities in the following areas:

- automatic control and computer engineering;
- chemistry and chemical engineering;
- construction and architecture;
- electronics and telecommunications;
- electrical engineering;
- hydrotechnical engineering;
- mechanical engineering;
- materials science;
- machine manufacturing ;
- textile-leather;
- environmental protection soil - water – air

II.3.2. Improving the assessment methods of research and scientific research projects, and stimulation in order to obtain performances; renewal of assessment commissions and upgrading the criteria for research assessment. In this respect, there will be checked all the components of the indicator of quality for the scientific research (IC8 proposed by CNFIS), indicator which is fundamental for the university funding.

II.3.3. Initiating and supporting of performing scientific research programs through collaboration with internal and external partners, and participation in national and international contests, to acquire scientific research projects: the development and adjusting of the communication system regarding the annual competition to obtain funding under grants MEC – CNCSIS, verification and centralization of grant proposals submitted by the teaching staff of the university and their presentation to CNCSIS, in order to be assessed; the participation in the assessment process of grant proposals; the organization of the contracting process for the grant proposals accepted to be assessed and funded by MEC-CNCSIS; the tracking of the research work, on intermediate and final phases, and also tracing the annual / final reporting documentation towards CNCSIS and tracking the cashing between 2008-2011 (which is estimated to be 18,000,000 RON or 5,142,857 EUR); the informatisation, contracting and tracking of the phases of excellence grants CEEX and PN II and of the collaboration at CEEX and PN II grants, the cashing of phases afferent to financial years, which is estimated to be 116,000,000 RON (33,142,257 EUR); the verification of the documents required to contract the research works, services and micro-production, the tracking of the activity and payment, which during 2008-2011 is estimated to be 1,900,000 RON (542,857 EUR).

II.3.4. Periodically assessment of research degree through annual reports presented in the Senate, in order to identify the potential for scientific research, of the priority directions, and in order to restructure the research strategies;

II.3.5. Stimulating the interdisciplinary research oriented to advanced technology or having priority in certain areas. It will be considered the introduction of advanced technologies developed in the Technology Park in Iasi, aiming at attracting high-tech investment, conservation and use of intellectual potential, stopping the migration of trained staff in high- tech areas, the rapid conversion of staff, better use of qualified labor, using of existing industrial capacities through modernization and technological upgrade, marketing on the technology market;

II.3.6. Proposal of new scientific research centers and the consolidation of the existing ones, aiming at continuous accreditation as scientific research centers and centers of excellence;

II.3.7. Development of scientific seminars, periodic conferences, reports, national and international scientific conferences necessary to disseminate the research results;

II.3.8. Preoccupation to gather up the best students and teachers within the scientific research projects and in the scientific sessions, with the purpose of identification, preparation, stimulation and using the potential of young people capable to achieve performance, according to

Government Decision Nr.34/16.01.2003, regarding the establishment of the National Center of Excellence (CNE);

II.3.9. Acquiring incomes within departments with micro-production and restricting the activity of unproductive or less productive departments;

II.3.10. Enhancing the scientific level of papers published in the Bulletin of the Polytechnic Institute of Iaşi, through involvement of scientific reviewers and of some foreign researchers;

II.3.11. Development of exchanges between the Bulletin of the Polytechnic Institute of Iaşi and of specialized magazines

II.3.12. Dissemination of research outcomes through various materials (brochures, yearbooks, etc) and through the university website;

II.3.13. Improving the training of young teaching staff by doctoral programs in co-tutorship with other universities in the country and abroad, approaching priority issues of fundamental and applicative research, based on national and international grants obtained through competition.

II.3.14. Establishment of the fund for participation in programs, in order to encourage the participation and increasing the possibilities of earning projects.

II.4. Objectives regarding the university image and the cooperation with similar institutions from our country and aboard

II.4.1. Jubilee objectives. Organizing events occasioned by the anniversary days of The "Gheorghe Asachi" Technical University of Iasi during 10^{th} -15^{th} of November each year.

II.4.2. Foundation of the museum of Polytechnic School from Iasi: allocation and planning of space; designing the interior space of the museum; purchase the necessary facilities, equipment and furniture; collecting some precious testimonies from public and private sources about the history of the university.

II.4.3. Development of collaborations between the university and the institutions of higher education and/or research from abroad:

- The developing of the cooperation relations between The "Gheorghe Asachi" Technical University of Iasi and research and education institutions from our country and abroad;
- The elaboration of the presentation materials (printed and electronic format) to promote the university in the country and abroad (at events, visits, media conferences, international exhibitions, collaborations with advertising companies);

– Updating the web page - the international relations section and the cooperation with the responsible from faculties / departments;

– The development of a protocol procedures for organizing of communication seminars, regarding various international offers;

– Managing Life Long Learning Program / ERASMUS (applications, files of mobility beneficiaries, drafting agreements, reports, databases, information on the web, meetings, etc) and records of other international programs (applications registration, databases, etc);

– Training for improving staff qualification from Vice- Rectorate in the field of international relations, public relations through participation in short courses, seminars and specialized conferences, exchange experiences with colleagues from our country and abroad;

– Processing and transmission of information about the scholarship opportunities, international and internal scientific events, research programs and events organized by the French, British and German Cultural Centers from Iaşi, and announcing them on the website of International Relations Vice- Rectorate;

– The development of activities of the Commission for Professional Orientation to establish professional relationships with pre – university education and with the economical and social environment; career support (Professional Orientation Center);

– Filling up the database of graduates from The "Gheorghe Asachi" Technical University of Iasi and initiating the actions for creating the Alumni Association of the Technical University "Gheorghe Asachi" from Iaşi (Center for Professional Orientation);

– Supporting the actions of the Bureau of Information, Communication, and Free Time Spending for Students, of students associations and leagues from the Technical University "Gheorghe Asachi" Iaşi, and those made by BREDEX;

– Organization of the Days of the Open Gates (Professional Orientation Center);

– Identifying new European programs, consultancy, information dissemination;

– Systematization and reporting of data regarding the projects that is underway in the university at request for the entitled authorities.

II.4.4. Acceptance for studies at The "Gheorghe Asachi" Technical University of Iasi of candidates from outside Romania

– Drawing up of promotional materials (brochures, CDs, etc);

– Filling up the university web page with information on the directions of interest for the Vice-Rectorate for International Relations and University Image, establishing links with the Communication Center of The "Gheorghe Asachi" Technical University of Iasi, designing the web page so that information of interest to be accessed easily;

– Ensure the correspondence with foreign applicants, updating the application forms, filling up the web page with useful information for foreign applicants;

– Co-operation with the department of modern languages in the organization of Romanian language courses, in order to attracted foreign students (courses at distance);

– Sending promotional material at the embassies of Romania in the countries from where it is likely to recruit students for The "Gheorghe Asachi" Technical University of Iasi;

– Ensure the main links with the educational institutions or recruitment agencies of students from abroad;

– Identify the legal framework to enable the initiation and expansion of participation of Romanian and foreign students to carry on the summer / winter practical training stages in the conditions of internship.

II.4.5. Increasing the involvement of the university in research funded by organizations / international structures

1. Identifying the sources of competitive funding and of the conditions imposed for competing;

2. Development of synthetic materials, designed to be brought to the attention of staff from The "Gheorghe Asachi" Technical University of Iasi, including in the form of short texts, broadcast via e-mail;

3. Participation at conferences or meetings likely to provide information on external funding resources.

II.4.6. Ensuring the necessary conditions to receive the foreign guests, organizing meetings at their request or at the request of some compartments from The "Gheorghe Asachi" Technical University of Iasi

1. Identifying the opportunities and organization of meetings with individuals able to contribute to the extension of the co-operation between The "Gheorghe Asachi" Technical University of Iasi and abroad partners;

2. Establishment of the visit programs (protocol activities) for guests, preparing the materials needed for this purpose.

II.4.7. Initiation and development of actions for a wider knowledge of The "Gheorghe Asachi" Technical University of Iasi and of the Vice-Rectorate for International Relations and University Image in areas of interest for the university

1. Organizing the "Days of Open Gates";

2. Organizing meetings of students with personalities in the industrial and commercial field;

3. Ensuring the representation of the "Gheorghe Asachi" Technical University of Iasi in job-fairs, educational-fairs a.s.o.;

4. Elaboration of a presentation brochure for The Technical University "Gheorghe Asachi" from Iaşi, in Romanian language;

5. Identifying and displaying of motivations likely to underpin the selection of The "Gheorghe Asachi" Technical University of Iasi as a higher education institution able to open attractive prospects for pupils (educational marketing**).**

II.4.8. Ensuring the conditions for knowing, by students and The "Gheorghe Asachi" Technical University of Iasi teaching staff, of various categories of research programs, scholarships and awards offered by organizations involved in international activities

1. Through: the National Office of scholarships abroad, Socrates - Erasmus, IAESTE; AUPELF-UREF;

2. Identification of methods for recognition / equivalence of examinations, titles, diplomas, certificates etc. obtained in the country or abroad, undertaking actions in this regard.

II.4.9. Initiating collaboration actions with former graduates of The "Gheorghe Asachi" Technical University of Iasi, establishing a database in this regard.

1. Elaboration of a short material (1-2 pages) with information regarding the alumni type organizations, which are their objectives, activities and their possibilities; posting this material;

2. During the summer training stage, the participation of students from different faculties in the creation of a database with contact information for graduates of the current year or previous years (addresses, phone numbers, etc); the database should allow the rapid identification of details and receiving requests of modification of details;

3. Obtaining, at the festive meeting of graduates, the catalog / agendas prepared with these occasions, materials that contain addresses of graduates;

4. Dissemination of the material on alumni organizations in various activities organized by the "Gheorghe Asachi" Technical University of Iasi or by graduates from previous promotions.

II.4.10. Ensuring of superior conditions for achievement / assuming current tasks of the Vice- Rector Office, increasing the activities involving creative components, sketching a plan for the professional development of the Vice- Rector Office members

1. Establishing the circumstances of preparation / distribution / centralization of various categories of documents commonly encountered in Vice-Rectorate activity;

2. Sketching a plan / options of permanent professional motivation / development of staff within the Vice-Rectorate;

3. Development of annual plans for improvement through participation in seminars / visits for documentation in the country and abroad;

4. Encourage the preparation / publication of articles, studies or other materials on topics of interest for the Vice-Rectorate activity;

5. Staff participation in training activities able to raise the level of competence and professionalism in fulfilling various responsibilities;

6. Identification / development of stimulating criteria for the assessment of activity and results;

7. Identify / use of extra funding to enable sketching of a certain degree of autonomy and decision in the Vice-Rectorate activities, but in full compliance with the objectives and priorities of The "Gheorghe Asachi" Technical University of Iasi;

8. Conducting periodical analysis of effectiveness of international relations and of university image, adapting the goals and activities to new conditions;

9. Filling / improvement of material base of the Vice –Rectorate for International Relations and University Image.

III. The university strategy on academic quality assurance

III.1. The quality culture within "Gheorghe Asachi" Technical University of Iasi

The "Gheorghe Asachi" Technical University of Iasi, according to the prestige achieved in time, according to its public image, has demonstrated a permanent interest for a high academic activity, in all sectors involving this activity: didactic, scientific, economic and financial, international relations, work with students, social services, etc. The acomplishment of educational and scientific process with a major impact on students represented an essential feature of the teachers' work.

Major changes in university policy, in terms of quality, occurred at the same time with the publication of Quality Low and ARACIS Methodology. As a result of these documents, in the university was founded in 2005, The Commission for Quality Assesment and Assurance (CEAC). The CEAC structure was established according to law stipulations (chairman, 3 university professors, union attorney, student attorney and the representative of employers). CEAC is supported by a number of 3 consultants among teachers. Were founded sub-commissions for quality assurance in faculties, departments, directions, services, offices etc.

CEAC members were involved, alongside the members of Academic Council, in the development of procedures, methodologies, guidelines necessary in academic activities, in quality assessment, etc. Thus, in 2008 was published the Standard Operating Procedures Manual, Ed Politehnium Iasi, ISBN 978-973-621-179-9. This textbook is one of the tangible evidence of a major involvement of academic community members in the assessment and assurance of academic quality. This publication had a major success in the Romanian university environement and we received numerous positive signals regarding the use of the manual as an example in various universities. The manual contains the following procedures:

Procedure type	Name of procedure	Code	Edition	Revision
General procedures	Document examination	UTI.PG.01		
	• Work instruction for the Registry	*UTI.PG.01-IL.01*	1	0
	Record examination	UTI.PG.02		
	Unconformable service examination	UTI.PG.03		
	Preventive actions	UTI.PG.04		
	Correcting actions	UTI.PG.05		
	Analysis carried out by the management	UTI.PG.06		
Operational managerial procedures	Elaborating work procedures and instructions	*UTI.POM.01*	1	0
	Operation of the Commission of University Ethics	*UTI.POM.02*	1	0
	Operation of the leading structures and functions	*UTI.POM.03*	1	0
	Organization and operation of the Commission for Quality Assessment and	*UTI.POM.04*	1	1

	Assurance			
	Organization and development of the academic leading elections for legislature 2008 – 2012	*UTI.POM.05*	1	0
Operational procedures for basic processes	Organization of the didactic activity for the Bachelor university studies	*UTI.POB.01*	1	2
	Organization of the didactic activity for the Master university studies	UTI.POB.02		
	Organization of the didactic activity for the short-term, long-term university system and the post-university system	*UTI.POB.03*	1	2
	Elaboration of educational plans	*UTI.POB.04*	1	0
	Examination and grading of students	*UTI.POB.05*	1	0
	Initiation, approval, monitoring and periodical evaluation of the study programs	*UTI.POB.06*	1	0
	Internal evaluation	*UTI.POB.07*		
	Organization and development of the contests for filling up vacant didactic positions	*UTI.POB.08*	1	0
	Organization and development of the admission in Bachelor university programs	*UTI.POB.09*	3	0
	Organization and development of the admission in Master post-university programs	*UTI.POB.10*	3	0
	Finalizing the university and post-university studies area	*UTI.POB.11*	2	1
	Evaluation of the didactic staff by the management	*UTI.POB.12*	1	0
	Evaluation of the didactic staff by students	*UTI.POB.13*	1	0
	Evaluation of the didactic staff by peers	*UTI.POB.14*	1	0
	Extending the didactic activity of professors and university lecturers as permanent teachers and extending or giving the status of consultant professor	*UTI.POB.15*	1	1
	Finalizing Bachelor university studies (1st cycle –Bologna System)	*UTI.POB.16*	1	0
	Organization of activities specific to the Department of the Didactic Staff Training	*UTI.POB.17*	1	0
	Internal institutional evaluation	UTI.POB.18		
	Organization and development of pre-university teacher training activities, through teacher certificates and 1st and 2nd didactic degrees	*UTI.POB.19*	1	0
Operational procedures for supporting processes	The organization and operation regulation of the Library of "Gheorghe Asachi" Technical University of Iaşi	UTI.POS.01	1	0
	• Work instructions regarding filling in the documents	UTI.POS.01-IL.01	1	0
	• Work instructions regarding the documents evidence	UTI.POS.01-IL.02	1	0
	• Work instructions regarding publications cataloging	UTI.POS.01-IL.03	1	0
	• Work instructions regarding clasification and indexing of publications	UTI.POS.01-IL.04	1	0
	• Work instructions regarding sending the publications	UTI.POS.01-IL.05	1	0
	• Work instructions regarding national and international exchange of publications	UTI.POS.01-IL.06	1	0
	• Work instructions regarding the book loan between libraries	UTI.POS.01-IL.07	1	0
	• Work instructions regarding managing the library servers	UTI.POS.01-IL.08	1	0

	• Work instructions regarding communication – documentation of internal and external beneficiary	UTI.POS.01-IL.09	1	0
	• Work instructions regarding drawing up bibliography	UTI.POS.01-IL.10	1	0
	• Work instructions regarding drawing up the news lists	UTI.POS.01-IL.11	1	0
	• Work instructions regarding filling in, assessment and actualisation of data bases, ARTUTI and BULET	UTI.POS.01-IL.12	1	0
	• Work instructions regarding drawing up the Bulletin I.P.I. index	UTI.POS.01-IL.13	1	0
	• Work instructions regarding drawing up bibliography reports	UTI.POS.01-IL.14	1	0
	• Work instructions regarding hardware and software installing	UTI.POS.01-IL.15	1	0
	• Work instructions regarding verification and operating of computers within INTRANET and INTERNET networks	UTI.POS.01-IL.16	1	0
	• Work instructions regarding saving data bases	UTI.POS.01-IL.17	1	0
	• Work instructions regarding data bases modification	UTI.POS.01-IL.18	1	0
	• Work instructions regarding data bases listing	UTI.POS.01-IL.19	1	0
	• Work instructions regarding reparing and maintenance of IT equipements, hard şi soft	UTI.POS.01-IL.20	1	0
	• Work instructions regarding achiziția echipamentelor sau componentelor informatice hard şi soft	UTI.POS.01-IL.21	1	0
	• Work instructions regarding opening and managing users accounts	UTI.POS.01-IL.22	1	0
	• Work instructions regarding virus cleaning	UTI.POS.01-IL.23	1	0
	• Work instructions regarding conversion in html format of "Iasi Polytechnic Magazine"	UTI.POS.01-IL.24	1	0
	• Work instructions regarding publication evidence	UTI.POS.01-IL.25	1	0
	• Work instructions regarding removal scoaterea din circuit şi evidențele tradiționale ale publicațiilor	UTI.POS.01-IL.26	1	0
	• Work instructions regarding access in library	UTI.POS.01-IL.27	1	0
	• Work instructions regarding publications loan	UTI.POS.01-IL.28	1	0
	• Work instructions regarding completing the documents collection	UTI.POS.01-IL.01	1	0
	Work procedure for the annual inventory commission members of active and passive elements	UTI.POS.02	1	0
	Cashing amounts of money from "Tudor Vladimirescu" university campus	UTI.POS.03	1	0
	Supervising the encashment and expenses in hostels, establishing the monthly accommodation fees	UTI.POS.04	1	0
	Renting spaces/ lands from the university's property that are temporarily available	UTI.POS.05	1	0
	Organization and operation of the Committee	UTI.POS.06	1	0

	of Labor Safety and Health			
Guides	Activity Guide of the elaboration of the Self-Assessment Reports of Master university study programs	*UTI.GHID.01*	1	0
	Activity Guide of the elaboration of the Self-Assessment Reports of Bachelor university study programs	*UTI.GHID.02*	1	0
	Activity Guide of the elaboration of the Internal Evaluation Report, with the purpose of institutional accreditation	UTI.GHID.03		

In 2008 was founded the Department for Quality Assessment and Evaluation (DEAC). This department is coordinated by a director and, toghether with the employed staff it collaborates with the representatives of the faculties and departments. DEAC is directly subordinated to CEAC and has technical responsability regarding quality assessment and assurance, at university level.

All this actions were ment to create a quality culture within the university. *The quality culture involves a set of attitudes at the individual and organizational level, within a normative framework, which leads to quality standards, in all university structures.* The quality culture can be distingueshed when it is created the necessary organizational structure in the quality area, the necessary normative framework and the qualified human resource.

The organizational structure includes the Senate, CEAC, DEAC, sub-commissions for quality assurance in faculties, departments, services, etc. In some faculties, the deputy dean is responsible of the quality assurance.

The normative framework includes the national and European legislation, the Standard Operating Procedures Manual and methodologies, the additional working instructions, procedures and guidelines. In the spirit of what quality culture represents, it was found that procedures were issued by various university entities on their own initiative, without an express request from the university management. At the university level was developed a large number of procedures, guidelines, methodologies and instructions. Currently, the university has a set of procedures for assessment and assurance of academic quality, having the characteristic of novelty at the national level and having the endoresement of the academic community; this was proved by using them in the past three years, for annual assessments, authorization / accreditation etc. Apart the procedures from the academic sphere, the university developed procedures, methodologies for quality assurance within services of financial accounting, human resources, general administrative direction, library etc. Currently, in the university, there are departments with procedures for their entire activity, as it is the Library. Also, the teaching activity has procedures for the most parts.

Besides the written procedures, there are the unwritten ones, characteristic to the university activity. University customs, good practices established in decades of activity, have an important influence on academic work and are founded, in many cases, in the spirit of regulations, procedures, methodologies developed in the university.

Human resource is composed of the staff who attended training courses, Masters, doctorate in the domain of quality assessment and assurance. Also, the qualified human resource in university evolved during the preparation of the Reports of Study Programs Self - Assessment for temporary authorization, accreditation and periodic assessment. By submitting 108 self assessment reports, might be considered that, at this time, in every faculty or department there is a core of teachers qualified on academic quality issue. Moreover, because of the internal evaluation of self assessment reports, the university created a team of auditors which analyses and assesses the quality of study programs. We believe that, with respect of the human resources, the university has reached that critical mass of qualified staff, which could enable the existence, maintenance and development of a quality culture.

III.2. The strategic objectives of the university in the quality assurance area

In quality assurance area, the strategic objectives of the university are:

- drowing up procedures, methodologies, working instructions for all university structures;
- periodic republishing of Standard Operating Procedures Manual;
- structuring the set of specific criteria for internal assessing of quality of study programs;
- structuring the working methodology for continuosly quality improvement of study programs;
- participation of a large number of university staff in training courses in quality field ;
- starting the assessment of university by a European Body for Quality Assurance in Higher Education;
- acquiering national and European funds for the development of quality culture in university.

In connection with the last mentioned strategic objective, the university submited, through the Department for Quality Assessing and Assurance, a grant project proposal POS DRU, from the European Social Fund, entitled **Program for students' and Master students' development of profesional and personal in technical universities, in order to increase the inclusion in labor market**, **as a consequence of quality culture development in universities**. The project is included in the Priority Axis 1, "Education and profesional training for supportting the economic growth and development of knowledge society", the Major Field of intervention 1.2. "Quality in higher education".

The project is based on a systemic approach (fig.III.1), which included objectives, formulated according to the specific objectives of the major area of intervention 1.2.

The strategic framework for the project corresponds to the European Employment Strategy, designed as a tool to align the employment policies of the countries from the European Union. The European Council established that until 2010, the overall employment rate should be 70%, the employment among women will increase with 60%, and among the elderly persons with 50%. Since

2005, the European Council launched again the Lisbon strategy, by switching the focus on increasing the economic development and employment. In this regard, each member country shall draw up their own national reform programs based on the integrated guidelines for economic growth and employment. On this guidelines every member states agreed in 2005, and were reviewed and confirmed at the European Council in March 2008.

In connection with the European employment strategy, **the proposed project aims to increase employment among staff with university qualification.** Moreover, by adapting education programs to market requirements and to the requirements of knowledge society it aims that the university graduates will fill jobs according to their academic skills, avoiding the employment of Bachelor and Master programs graduates on positions inferior to their training.

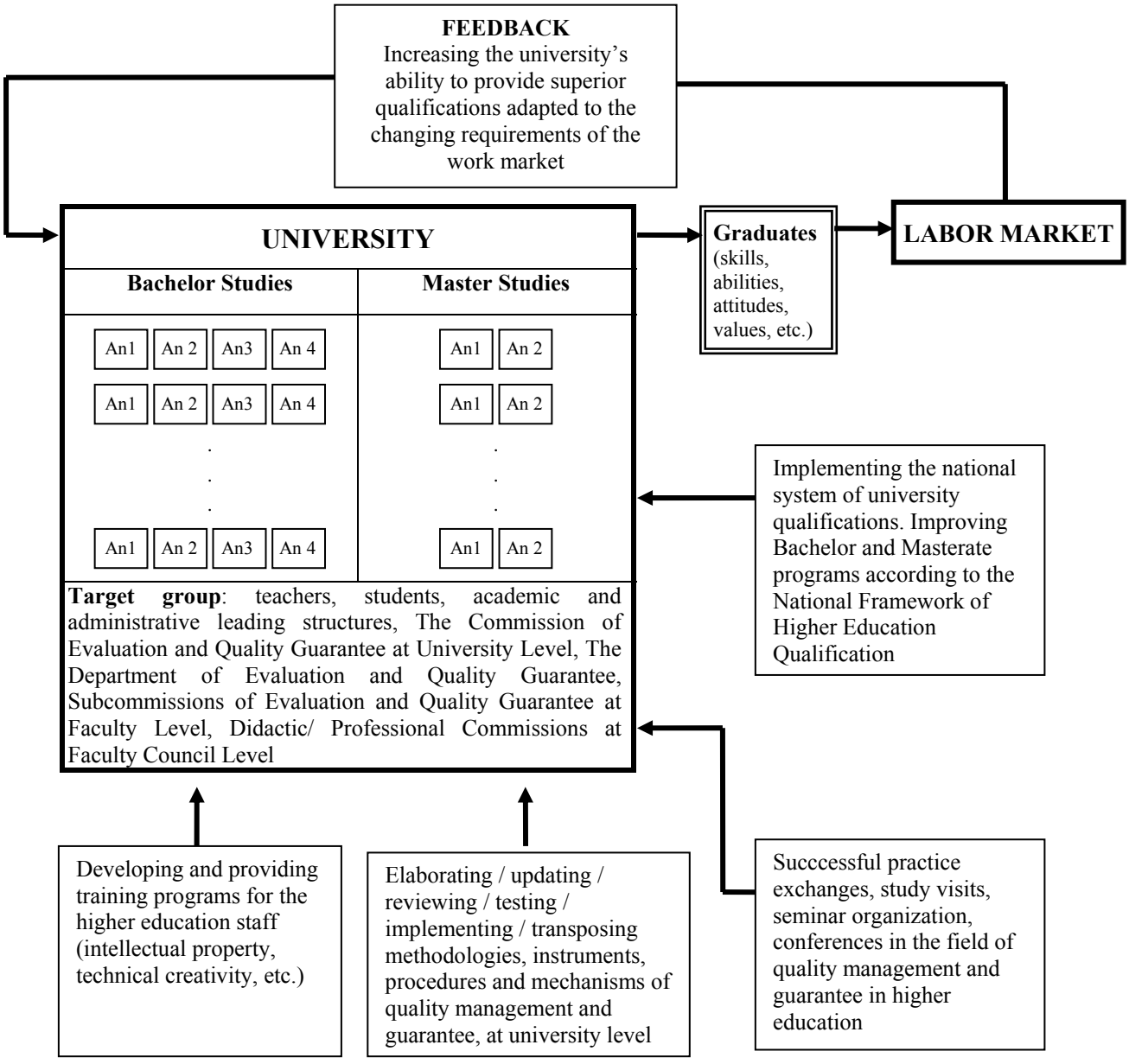


Fig. III.1. *The systemic approach of the nominated grant project*

Specific objectives of the project are:

1. Development / updating / reviewing / testing / implementation / translating of the methodologies, tools, procedures and mechanisms for assurance and management of quality, at the university level.

At the university level was developed a large number of procedures, guidelines, methodologies and work instructions. In the project will be made modifications / revisions of these procedures / guidelines, and will be developed new methodological tools. These changes will be in consonance with the natural evolution of academic activities and project objectives. Currently, the university has a set of academic procedures for quality assessment and assurance, new at national level. These procedures have the endorsement of academic community, as they were used, in the past, for annual assessments and for authorization / accreditation / assessment processes etc. Apart from the academic procedures, within university were developed procedures, methodologies for quality assurance in departments like Financial Accounting Department, Human Resources Department, General Administrative Department, Library etc. In this project will be pursued the development / updating / reviewing / testing / implementation of these procedures and methodologies.

2. Developing and providing training programs for employers from higher education.

Will take place training courses in the quality field and implementation of National Qualifications Framework in Higher Education with the collaboration of the university management, of the Committee for Quality Assessment and Assurance, of the Department for Quality Assessment and Assurance, the coordinators of specialization, responsible with quality issues from various departments, compartments, services, etc. Also, teachers will be able to attend courses on techniques and modern methods of teaching and learning, intellectual and industrial property, techniques and methods for technical creativity stimulation. It will be developed, for exemple, the teachers responsibility regarding designing of learning methods and environments, focused on students, so that the relationship between student and teacher to be a partnership where everyone takes responsibility for achieving learning outcomes. With the implementation of new techniques and methods for teaching, along with curricula reviewing and subjects content, within project will be financed the development of virtual tools for teaching / learning / assessment.

3. The implementation of national qualifications system within university. Improving Bachelor and Master programs in accordance with the National Qualifications Framework in Higher Education

In the university, will be developed, based on the ACPART methodology, procedures, guidelines, methodologies aimed to provide the internal regulatory framework needed for qualifications management and for the implementation of the National Qualifications Framework in Higher Education.

First, will be conducted training courses in the qualifications field for the representatives from all faculties of the university. These courses will be held by specialists of ACPART and will be finalized with graduation certificates. Next, will be implemented the ACPART methodology at each study program and will be obtained the schedules 1 and 2 for each study program.

It will be take into account the design, according to ACPART methodology, of scales for competencies description for each study program and for correlations between competencies and content areas, disciplines of education and the appropriate ETCS. Finally, the curricula and analytical descriptions of disciplines will be reviewed / drawn up according to the competences that define the qualifications. In the project will be taken into consideration the funding of educational materials.

4. Extending learning opportunities and promoting innovation, industrial / intellectual property and entrepreneurial culture in universities. Introducing in curricula all study programs of courses for creativity and innovation stimulation and promotion of industrial / intellectual property.

Will be developed and multiplied educational materials related to entrepreneurial culture, available in each faculty / department. Further, each faculty will develop its own strategy on expanding the entrepreneurial culture. It is taken into consideration the inclusion of training modules on gender equality, equal opportunities and elimination of discrimination. The project will pursue that in each study program, at once with the improvement / revision of curricula to include the necessary elements to create a culture of sustainable development.

Corroborated with this activity, periodically, will be invited to meet the students, graduates who can be examples / models of success in career.

5. Increasing the capacity of the university to provide higher skills in accordance with the changing requirement of labor market.

In the project there will be an action to identify the needs of the labor market, through the development of questionnaires dedicated to employers, employees, graduates, etc. It is considered, in this respect, the organization / reorganization / development of graduates associations from each

faculty. There will be activities necessary for applying the questionnaires, processing and systematization of collected data.

In the university tradition, there is a practice of organizing activities like "open doors", carried out, especially during the months of spring, the examinations before baccalaureate and admission to faculty. The project will develop these actions, by involving a large number of high school graduates, as a result of promotion activities organized in a professional maner. As a result of the development of the entrepreneurial culture in universities, will be invited to have meetings with students, business people, experts, etc, who graduated from our university. In order to smoothly conduct the programs for the development of the entrepreneurial culture, will take place meetings between students and various businessmens and also, to facilitate the dialog with employers in order to identify the requirements of the labor market, the university partner in this project being a regional organization of business people.

6. Exchange of good practices, study visits, organization of seminars, conferences in the field of assurance and management of quality in higher education.

During DEAC members' training process, will take place two study visits abroad, with the aim of assimilating the best practices in assessment management and quality assurance. Also, at the end of the project will be conducted a scientific conference to disseminate the results, with the participation of the representatives from Departments of Quality Assurance from all over the country. At the end of the project it will be organized a press conference and the final report will be published.

IV. Prezentation of faculties and departments

IV.1. Faculty of Automatic Control and Computer Engineering

The first Automatic Control (1959) and Computers (1963) courses were introduced in the educational program of the Faculty of Electrotechnics. In 1977, as a result of the development of these new branches of science and as well as by virtue of the experience acquired in the field by the didactic staff, a complete academic program in the field of automatic control and computer science was organized. In 1990, the academic staff specialized in the fields of automatic control and computer science within the Faculty of Electrotechnics, decided to separate from it, and founded the Faculty of Automatic Control and Computer Engineering. Professors Corneliu Hutanu, Mihail Voicu and Dan Galea were the first deans of the faculty.

The Faculty of Automatic Control and Computer Engineering contain two academic departments: Automatic Control and Applied Informatics and Computer Science and Engineering.

The Faculty of Automatic Control and Computer Engineering has adopted Bologna process, offering Bachelor, Master and doctoral study programs, compatible with the European credit transfer system:

- the first cycle with a length of 4 years trains engineers with Bachelor studies;
- the second cycle with a length of 1, 1/2 or 2 years trains Master diploma engineers;
- the third cycle with a length of 3 years trains PhD diploma specialists within faculty doctoral school.

The research activity develops within the three research centres with CNCSIS certificates and various research laboratories. The scientific research is oriented to projects and national, European and international programmes. The faculty beneficiates of a great number of collaborations with European universities and many of our Bachelor, Master or PhD students are involved in mobility programs within these universities.

Since September 1988, the Faculty of Automatic Control and Computer Engineering functions in a new building and has a modern infrastructure, at the European level standards:

- 2 lecture rooms and 7 classes endowed with technical equipment for learning, teaching and communication;
- 30 laboratories equipped with modern specific devices and up-to-date computation systems;
- a library with full access to scientific databases and also to specific scientific books and reviews.

IV.2. Faculty of Chemical Engineering and Environmental Protection

The birth of the Faculty of Chemical Engineering and Environmental Protection was signed in 1937, when in the Polytechnic School "Gheorghe Asachi" was created three faculties: Electrotechnics, Chemical Engineering and Agronomy. The first series of graduates of chemical engineering graduated the Polytechnic School in 1940.

The faculty mission is to prepare high level specialists in the fields of Chemical engineering, Environmental Engineering and Management and Engineering, using undergraduate, Master and Doctoral studies. In the Faculty of Chemical Engineering and Environmental Protection there are 4 departments that contain 13 groups with distinct preoccupations concerning the didactic and research activity, as follows: **Department of Chemical Engineering** (Inorganic Chemistry, Physical Chemistry, Transfer Phenomena, Applied Informatics, Inorganic Engineering); **Department of Engineering and Environmental Management** (Engineering and Environmental Management, Analytical Chemistry and Quality Control); **Department of Organic and Biochemical Engineering** (Organic Compounds Engineering, Biochemical Engineering and General Chemistry); **Department of Natural and Synthetic Polymers** (Synthetic Polymers, Natural Polymers, Organic Chemistry).

The Faculty has a strong tradition concerning the scientific performances, reflected by a high number of articles published in internationally recognized journals (ISI ranked). The number of articles ISI ranked increased year by year, reaching in 2008 the level of 163, corresponding to a mean of 2 items/year for each professor. From this point of view the Faculty of Chemical Engineering and Environmental Protection is one of the best in Romania.

The increased number of the scientific articles published in ISI ranked journals is a result of the teachers' effort, involved in numerous research projects won through national competition. As a result, in the last 3-4 years the Faculty has succeeded in achieving a series of characterization equipments exceeding the total amount of 2,500,000 euro (400 MHz NMR, Anton Paar rheometer, electronic microscope SEM, thermal analysis Mettler line, GPC, HPLC Shimadzu, optical microscope in polarized light etc.).

Based on the scientific standards of the research activity, a great number of projects were developed in collaboration with prestigious universities and research institutes, as follows: Kyoto University - Japan, University of Manchester - UK, Queensland University - Australia, Commissariat an l'Energie Atomique - France, Delft University of Technology - Holland, Connecticut University - USA, Technical University of Denmark, Karlsruhe University - Germany.

IV.3. Faculty of Civil Engineering and Building Services

Civil Engineering higher education in Iaşi started in 1813 when Gheorghe Asachi was organizing the first classes of „engineering and surveying" with lectures in Romanian language. However, the Civil Engineering Faculty was born in 1941 inside the „Gheorghe Asachi" Polytechnics, on the basis of the Law No. 989 from November 13, 1941. During the academic year 1949-1950, the specialization sections of the Faculty of Civil Engineering were: Civil and Industrial Constructions (latter named Civil, Industrial and Agricultural Constructions); Roads and Public Works (latter named Railways, Roads and Bridges). During the academic year1961-1962, the section named Hydrotechnique Constructions and Equipments (latter becoming an independent Faculty) was organized.

In the academic year 1969-1970, sections (colleges) for so-called „sub-engineers" have started with day and night courses. During 1970 and 1983, a section for „architect conductors" with a 3 years study course was active. In 1977, a section for Building Services was established. It had courses for engineers (day courses) and „sub-engineers" (night courses). In 1990, the Architecture section was set. It had 6 year day courses. In 2003 it became an independent Faculty. In 1991 and 1992 a section (5 years day courses) of Civil Engineering with teaching in English and another with teaching in French was organized. In 1991, in the Faculty, a Civil Engineering College is established. These courses were 3 years long with three specializations: Constructions' Technology; Public Works; Organization and Economy of Constructions (from 1994). For the 5 years courses, a new specialization of the Faculty was started in 1995: Urban Engineering and Regional Planning. Starting with the academic year 1995-1996, advanced courses in Civil Engineering profile were started. The next year the same was done for Building Services profile. The academic year 2005-2006 brought the actual name: Faculty of Civil Engineering and Building Services, due to the Government Decision No. 916/2005.

The Faculty is periodically organizing postgraduate studies according to the industry requirements. From 1953, doctoral studies were also organized. In September 2005, the Doctoral Schools Department was established and the Civil Engineering profile was active.

The Faculty is lead by the Faculty's Council (composed from 34 professors and 12 students), elected for a period of 4 years. The Council has ordinary meeting once a month. Also, weekly, the Council's Executive Bureau is meets. It comprises 12 members: the Dean, the three Vice-Deans, the chiefs of the six departments (Civil and Industrial Buildings; Structural Mechanics; Concrete, Building Materials, Technology and Management; Railways, Roads and Foundations; Building Services; Descriptive Geometry and Drawing), the scientific secretary and the students' representative. At these meetings, the union's representative and the chief administrator are invited members.

Nowadays, the Faculty of Civil Engineering and Building Services is the largest from the University and is the place for study of almost 4000 students. For teaching, there are almost 170 faculty positions belonging to the 6 departments.

In the Faculty of Civil Engineering and Building Services, there are five Bachelor university programs, 4 year long time (day course), and there is one 5 year long Bachelor university program for night courses. One of the day course program is taught in English. Total number of involved students is 2997.

Also, 5 old universities programs, 5 year long, are in progress and will finish this year (day courses) or next year (night courses). One of them is also taught in English. The number of students at these programs is 505.

At this moment there are 12 (out of 16) active (one year long) Master courses offered to the 5 year student. There are 441 students taking these courses.

A total of 3943 students are enrolled now in the Faculty of Civil Engineering and Building Services. From them 1173 are tuition tax payers and 2770 are supported by the government.

The research activity is developed in three centers (two of them are CNCSIS certified) and in the Center for Research and Technological Transfer „POLYTECH" of the University. Also, there are 7 research teams.

The main research directions are: Earthquake Engineering; Structural and Thermo-Physical Rehabilitation, Sustainable Development and Energy from Renewable Sources; Foundations' Soil and Soil Massive Stability; Efficient Roads' Structure; Behavior Monitoring and Rehabilitation of Bridges; Actions in Civil Engineering; Functional Systems' Optimization in Buildings.

During 2004-2008, the results of researches in Civil Engineering domain were revealed by the accomplishments of international projects in: FP6, Fp7, COST, EUCEET II and III frames; national grants CEEX, CNCSIS and PNII frames; many research contracts with industry partners.

Teaching and research activity use an important material support composed from around 13660 square meters of built surface for: laboratories, test facilities, test stands for physical models and full scale models.

The Faculty has the next facilities: 15 large halls (1713,6 sqm), 15 seminar classes (1060,5 sqm), 36 laboratories (2781,46 sqm) and 2 library halls (125sqm).

The total value of equipments from the inventory of the Faculty's Departments is 11094548,64 RON. Administration inventory (mainly furniture) is worth 6833804,92 RON. The total amount is 17927989,56 RON.

The Faculty has tied collaboration relations with research institutes and universities from other countries: University of Sheffield, City University of London, Imperial College London, Ecole Nationale Supérieure des Art et Industries Strasbourg, University of Konstanz, Service d'Etude Techniques pour Routes et Autoroutes–SETRA Bagneux, Ecole Nationale Supérieure de

Cachan, Association Internationale Permanente des Congres Routièrs, Université de Reims, C.E.T.E. Lyon, ADEME France, CSTB Paris, Strategic Highway Research Program–SHRP, Louissiana University – Baton Rouge SUA, Instituto Superior Technico Lisabona, Patras University, Tessaloniki University, N.T.N. U Athens, Liége Université, Norwegian University of Science and Technology (NTNU) Trondheim, Technical University of Moldova etc.

IV.4. Faculty of Machine Manufacturing & Industrial Management

The Faculty of Machine Manufacturing & Industrial Management was created in January 1990, as part of the „Gh.Asachi" Technical University of Iasi, by dividing the Faculty of Mechanics (created in October 1948) in three. Between 1990-1993 the faculty was named „Faculty of Machine Manufacturing Technology" , between 1993-2007 it was renamed „Faculty of Machine Manufacturing" and since 2007 the faculty has the current name „approved by the Romanian Gov. Decision no. 676/28.06.2007.

The faculty is managed by the Faculty Council, elected from all departments and students. The Council is composed of 29 people (22 teachers and 7 students). The executive management is ensured by The Board of The Council (Dean, 2 Vice Deans and a Scientific Secretary).

The teaching team of the faculty is composed of 94 persons (28 professors, 30 associate professors, 25 lecturers, 9 assistant professors and 2 teaching instructors). In the academic year 2008-2009, the faculty has 1152 budgetary students and 102 tax fee students, at all educational forms of training (Bachelor, Master and Doctoral). The faculty is structured in 5 departments, as follows: Department of Machine Manufacturing Technology (TCM), Dept. of Machine Tools (MUS), and Dept. Of Physics, Dept of Theoretical Mechanics and *Department of Fluids Mechanics (MFMAHP)*

The mission of the faculty is the development of teaching and research activities, at all degrees, for realizing a competitive education at national and international level in the next scientific domains: industrial engineering; mechanical engineering and engineering & management. The Faculty of Machine Manufacturing & Industrial Management organizes study programs for Bachelor cycle, Master cycle, Doctoral programs, post-graduated programs and programs dedicated for developing the quality of the pre-universitary teaching.

The scientific research activities are developed in research' teams and are helpful for improving the technical, didactic and scientific research infrastructure. National and international grants and projects have been achieved. The faculty also offers scientific services, technical expertise and continuous education programs.

The faculty promotes the scientific excellence, competitiveness, transparence and is opened for collaboration with other universities and with industry from Romania and from other countries.

(Universidad Nova de Lisboa, Universitta degli Studi di Udine, Universitta Federico II Napoli., Escuela Tecnico Superior Valladolid)

IV.5. Faculty of Electronics, Telecommunications and Information Technology

The beginning of high school education on electronics and telecommunications was at Iaşi, in 1971, when the Applied Electronics department was created at the Electrical Engineering Faculty of Iaşi. In 1975, the department name became Electronics and Telecommunications.

In 1990, it was founded the Faculty of Electronics and Telecommunications and its name changed in October 2008 to the current Faculty of Electronics, Telecommunications and Information Technology.

Two specializations were initially functional: Applied Electronics and Telecommunications.

Since 1991, Faculty of Electronics and Telecommunications of Iaşi has functioned with three specializations of 5 years, which now are in dissolution: Applied Electronics; Communications ;Microelectronics, Optoelectronics and Nanotechnologies.

Since 1995, our faculty has three Master specialization of one-year: Power Electronics Converters; Digital Radio Communications; Modern Techniques for Signal Processing.

Since 2005, the Bachelor study programs have observed Bologna system. There are three specializations of 4 years, in Electronics and Telecommunication Engineering: Applied Electronics; Telecommunications Systems and Technologies; Microelectronics, Optoelectronics and Nanotechnologies.

The Faculty of Electronics, Telecommunications and Information Technologies from Iaşi, 11 Carol I Bd., has four departments:

- Electronics Basics (Chief: Prof. Victor-Adrian Grigoraş)
- Applied Electronics and Intelligent Systems (Chief: Assoc. Prof. Ioan Cleju)
- Telecommunications (Chief: Prof. Daniela Tărniceriu)
- Mathematics (Chief: Assoc. Prof. Constantin Popovici) – for all the faculties of "Gheorghe Asachi" University from Iaşi.

The Faculty Council includes 19 professors and 6 students.

Leadership is provided by the faculty Dean, Vice –Dean on didactic isues, Vice –Dean on students isues, Scientific Secretary.

Our staff has permanent national and international contacts with professors and researchers from different Romanian and European universities and with economic agents to ensure the quality of the educational process and the success of our students after graduation.

IV.6. Faculty of Electrical Engineering

In November 1910, within the Faculty of Sciences belonging to the University of Iasi, was founded *The School of Industrial Electricity*, the first in Romania at that time. Not long after that, the school was transformed into *The Institute of Electrical Engineering*, which was the first institution qualified to form specialists for the field of electrical engineering in our country. In 1938, a major step towards the development of electrical engineering education was made when *The Faculty of Electrical Engineerin*g was founded, within the "Gheorghe Asachi" Polytechnic School of Iasi. One of the deans of the newly born faculty was the great physicist Stefan PROCOPIU. Beginning with the year 1957, a new specialisation was created, i.e. *Electromechanical Engineering*; later on, in 1974, it was transformed into Electrical Engineering. Another important event in the life of the Faculty was setting up the specialisation of Power Engineering, in 1960.

After a period of inherent searches specific to the '90s, in its current structure, our faculty forms specialists not only for the fields of Electrical and Power Engineering, but also for the fields of Engineering and Management and Applied Informatics in Electrical Engineering.

Nowadays, the disciplines of our faculty are taught by 87 professors, grouped according to the five departments of the faculty; for the fundamentals and basic knowledge other 18 professors, belonging to different departments of the university (Mathematics, Physics, Theoretical Mechanics, Electronics, etc.) teach at our faculty.

Within The Faculty of Electrical Engineering, the teaching – learning process is organised on three cycles of university studies: *Bachelor*, *Master* and *Ph.D.* as follows:

Electrical engineering – 5 programmes for Bachelor and 3 programmes for Master;

Power engineering – 3 programmes for Bachelor and 2 programmes for Master;

Engineering and Management – 1 programme for Bachelor and 1 programme for Master;

Applied sciences (Applied Informatics in Electrical Engineering) – 1 programme for Bachelor.

Last but not least, the research activity of our academic staff is developed within specialised departments, such as: The Doctoral School, 1 Excellence Centre: METROS, 3 research centres: IDENERG, IELSI, CEREM, and 2 centres for training and promotion: CFCEM and QUALINSDER. Each of these unities has research laboratories endowed with modern equipments, achieved mainly through the national and international research programmes.

Both the didactic and research activities are also carried out through international agreements established by our faculty with more than 45 higher education institutions mainly from France, Italy, Spain, Portugal, Germany and Greece.

IV.7. Faculty of Hydrotechnical Engineering, Geodesy and Environment Engineering

The Faculty of Hydrotechnics of Iaşi was founded in the "Gh Asachi" Polytechnic Institute of Iasi - now The "Gheorghe Asachi" Technical University of Iasi, on 1 October 1962 and included two specializations: Agricultural Hydrotechnics (land improvement) - founded in 1948 in Galati and transferred in 1959 in Iasi, specialized Hydrotechnical Constructions and Installations - founded in 1961 and later called Hydrotechnical Construction. In 1986, the faculty was integrated into the structure of Constructions Faculty, and from the academic year 1990 - 1991, the Faculty of Hydrotechnics became an independent unit within the Polytechnic Institute of Iasi, operating with two specializations, which had two new additional specializations in November: "Environmental Engineering" and "Cadastre". Since 1994, was accredited the specialization "Sanitary Engineering and Environmental Protection". In the academic year 2007-2008 the name changed, becoming Hydrotechnics Faculty, Geodesy and Environmental Engineering.

The faculty structure is composed of: the faculty council made of 24 teachers and students, the Faculty Council Office (Dean, two vice-Deans, Scientific Secretary and four members of the Departments), three specialized departments and a department with general profile that serves the entire University. At faculty level, there are three license domains, which include five specializations, three Master studies in liquidation in Civil Engineering and four Master studies on Bologna system (two on the Civil Engineering field, and one in the field of Geodesy Engineering and Environmental Engineering).

Doctoral studies – functioning since September 2005, Department of Doctoral School, the Civil Engineering field. Since the academic year 2008-2009 was implemented the doctoral project POS-DRU "Doctoral Scholarships - *An investment in intelligence BRAIN*. **Scientific Research** - in 2008 at the faculty level developed a number of 12 Research contracts with the amount of 1.804.000 lei. The total value of the Faculty facilities is 1.515.000 lei

Faculty has relationships with several Universities and Research Institutes abroad, of which we mention: Polytechnic Institute and State Agricultural University of Chisinau, VRIJE Universiteit - Bruxelles (VUB), Caledonian University of Glasgow, Instituto Superior de Agronomia Lisabona, Universidade Tecnico de Lisabona, Instituto Superior Tecnico, Universite du Cote d'Opal Dunkerque, Universite Pierre et Marie Curie - Paris 6, I.S.M.E.S. Bergame, B.R.G.M. Orleans, L.N.E.C. Lisabona, Harward Institute for International Development Boston, Ecole Nationale Superieure d'Hydraulique Grenoblle, University of Poitiers, Universita degli Studi di Padova, Universita degli Studi di Pavia, University of Alexandropolis, Technical University of Chania (Creta), Ecole Polytechnique Federale de Lausanne, Technical University of Budapest, Agrar University of Debrecen, VITUKI Budapest, Hungarian Hydrogical Society, Ecology and Hydrology Center Wallingford (UK), HYDER Consulting (UK), University of Ottawa (Canada), Association des Inventeurs et Innovateurs de la Region Midi-Pyrenees, Franța..

IV.8. Faculty of Mechanical Engineering

The Faculty of Mechanical Engineering of the "Gh. Asachi" Technical University Iaşi performs the specialists education in the following fields: Mechanical Engineering, Automotive Engineering, Mechatronics and Robotics, offering educational programs for five undergraduate and 12 postgraduate specializations. The Faculty of Mechanical Engineering has also three postgraduate courses, approved by the Romanian Ministry of Education and Research. Each department develops interesting research programs, where the students are also involved. The Faculty of Mechanical Engineering there are following departments: Machine Details and Mechatonics, Thermotechnics and Thermic Machines, Strength of Materials, Mechanism Theory and Robotics, Engines and Automotives, Agriculture and Food Industry Devices. The Faculty of Mechanical Engineering are functioning the following departments: Continuous Education Center for Agriculture and Food Industry (CECAIA); Department of Education, Research, Design and Manufacturing (OMPEC); Transport and Technical Expertise Department (DTET); Department of Research, Continuous Education, Designing and Manufacturing (ROMEC); Regional Training Center of Mechatronics (CERIM); Department of Education, Research, Designing and Manufacturing (TERMOGEN). The faculty educational offer consists of: a. Undergraduate studies (4 years): Domain Mechanical Engineering – Specializations: *Thermic Systems and Equipments, Agriculture and Food Industry Machines and Devices*; Domain Automotive Engineering, Specialization: *Autovehicles*; Domain Mechatronics and Robotics – Specializations: *Mechatronics; Robotics*. The graduates develop the necessary abilities in the chosen specializations that ensure them the employment in the Romanian and European work-market, in economic units as (machining, thermoenergetics, agriculture and food industry, automotives, transports, chemical, oil-chemical etc.) and also in laboratories and research centers, into the above mentioned domains, in mechanical system CAD, design, exploit and entertaining of the robots, technical experts etc., b. Nowadays, in the Faculty of Mechanical Engineering there are the following postgraduate programs: Technical diagnosis and Expertise in the Mechanical Engineering; Mechanical Systems Tribology; Heats Engineering; Agriculture and Foods Mechanical Engineering; Advanced Mechatronics; Robots Quality and Control; Automotive Systems; Biomechanics; Safety and Performances of the Traffic; Advanced Technologies in Agriculture and Food Industry; Mechanical Systems Dynamics; Automotive Building and Exploit; c. Postgraduate training courses: Finding, Evaluaton and Vehicle Repair after traffic crashes; Traffic Safety; Evaluaton and Expertise Management. In the faculty, there are teachers, recognized on the national and international board, because of both their cooperation in the scientific research and educational programs, with preeminent foreign universities and their own contributions on the technical advance in the field. The faculty management is ensured by the Faculty Council that consists of the representative teachers from all departments and teams, and also of the students from

all study years and specializations. The operative management is ensured by the Faculty Council Office, formed by the Dean, Vice-Deans, Scientific Secretary and the Chief Administrator.

IV.9. Faculty of Materials Science and Engineering

The metallurgical engineering teaching was founded in 1977 at the faculty of Mechanics, as a consequence of the development of the metallurgical industry in the North-Eastern part of Romania. The first two specializations were Casting and Plastic Deformation and Heat Treatments.

By itself, the Faculty of Materials Science and Engineering appeared in 1990 under the name of Faculty of Metallurgy, on the frame of the Department of Technology of metals of the former Polytechnic Institute of Iaşi and had a teaching staff of 39 professors.

The name "Faculty of Materials Science and Engineering" was established in 1993 and the new specializations appeared at the same time: Materials Science, Plastic Processing and Heat Treatments.

The faculty is organized in three chairs: Materials Engineering and Industrial Safety, Materials Science, Technologies and Equipment for Processing of Materials and two departments: Materials Engineering, Health and Safety in Labor.

The educational offer of the faculty comprises two fields, namely: the field of Materials Engineering having two specializations: Materials Science, Materials Processing Engineering and the field of Mechanical Engineering with the specialization Equipment for Industrial Processes.

In the field of Materials Engineering, there are two Master programs: Advanced Materials and Experimental Techniques and Advanced Techniques in the Materials Processing Engineering and in the field of Mechanical Engineering there is a Master program: Industrial Systems for Modern Technologies.

The faculty has also a program of doctoral studies in the field of Materials Science and Engineering.

There are also offers of courses for post-graduate specialization in the field of Industrial Engineering in specializations connected to Health and Safety in Labor, (risk evaluation, audit, management of safety and health of labor relations, occupational hygiene), and courses of Technological Education.

The faculty has cooperation relations with higher education institutions and research units from Bochum (Germany), Leuvin (Belgium), Nancy (France), Neaples (Italy), Las Palmas (Spain), Aston (Great Britain), Istanbul (Turkey), Vinnitza (Ukraine) and Tokyo and Tsukuba (Japan).By the Erasmus Program were achieved exchanges of students and staff with universities from Spain, Italy, Turkey and Great Britain. Is still developing an extent cooperation agreement with the State Technical University from Vinnitza Ukraine and an agreement with the University of Sciences from Tokyo, Japan is to be signed.

IV.10. Faculty of Textiles, Leather and Industrial Management

The Faculty of Textile and Leather Engineering from Iasi is the first textile faculty in Romania and the only one until 1990. The Faculty of Textile and Leather Technology was founded in 1934 in Bucharest as the Higher School of Textiles. In 1948 the education reform changed it into the School of Textile Engineering, a section of the "Politechnica" University in Bucharest. Since 1952 it has been located in Iasi and in 1955 it was incorporated within the "Gheorghe Asachi" Technical University of Iasi, in a similar structure to the present-day. Since 1995 it has been a member of AUTEX (**A**ssociation of **U**niversities for **Tex**tiles). Since 1999 our specializations have been recognized by FEANI (European Federation of National Engineering Associations) and starting with 2000, the Textile Institute of Manchester began to recognize our graduate diplomas.

The Bachelor of Science programs and the corresponding fields of specializations are the followings: Textile Technology and Design, Knitting and Ready-Made Clothing Technology, Footwear and Leather Goods Technology and Design (in the field of Industrial engineering), Textile Chemical Technology, Chemical Technology of Leather and Leather Substitutes (in the field of Industrial Chemistry) and Business Engineering (in the field of Industrial Management)

At present, the Faculty of Textile, Leather and Industrial Management offers numerous Master study programs, as follows: Textiles Quality Insurance, Textile Science and Engineering, Optimization of Products and technologies in Ready-Made Clothing Industry, Clothing Design, Modern Knitting Technologies, Developments in Leather Product Technological Design, Engineering and Management of Projects and Processes Quality, Management of Technological Changes, Science and Engineering of textiles Ennoblement, Science and Engineering of Protein-Based Materials, Engineering and Management of Projects and Processes Quality, Communication and Negotiation Product development and Marketing. The doctoral programs are organized in the fields of Industrial Engineering and Industrial Chemistry.

The Faculty collaborates through mobility, educational and research programs, publications exchange, conferences, symposiums, seminars with universities from more than 20 countries all over the world: United Kingdom, Australia, Belgium, Bulgaria, China, The Czech Rep., Croatia, Denmark, Egypt, France, Finland, Germany, Greece, Italy, Iran, Latvia, Rep.of Moldova, Mexico, Portugal, Poland, Russia, Slovenia, Hungary, Turkey etc.

IV.11. Faculty of Achitecture "G.M. Cantacuzino"

Since the 1st of October 2003, through the Government Decision no. 1082/11.09.2003, published in M.O. no. 687/30.09.2003, the specialization Architecture (with a study period of six years) from the Faculty of Civil Engineering and Architecture of the Technical University of Iasi became the School of Architecture "G.M.Cantacuzino", with two departments: Architecture, Design and Representations, and Urbanism, Restoration and Technical Sciences.

Since its founding, the School of Architecture has known a steady development. The school's offer has grown, staring with the academic year 2004/2005, when the first Master courses were created: "Conservation, restoration and architectural rehabilitation", as well as the specialization postgraduate courses "Contemporary strategies in urban development".

The School is connected to the changing architecture, building sciences, urbanism, furniture design etc. created in the past decades and is open to adjust its study curricula accordingly. All the study curricula are presented as a package of documents which includes: the general and specific objectives of the program; the academic plan; the analytical program; the discipline fact sheet; the results of study expressed as cognitive, technical, professional and affective- valuable competences; the examination and grading system for each discipline; the organization model and the curricula for the Bachelor final examination.

In 2008, the research groups within the school continued its activity, winning new grants through national competition. The results obtained through the School's scientific research have been promoted by publishing the ideas in scientific magazines, or in the national and international conference volumes. Likewise, there have been publications and exhibitions – or other various cultural events- participations, symposiums, round tables, and scientific sessions. The faculty supervised the students' participation to various architectural and town planning competitions, workshops, seminars and creative laboratories. Some members of the faculty are also members in the editorial staff of some nationally prominent magazines.

The School of Architecture is situated in the "A" building, intended since 1983 to house the Department of Architecture, through the initiative of the faculty and their direct contribution. Apart from the spaces intended for the architecture studios, the general course and seminar classes, the School benefits from an audio-visual classroom for the specialized classes, as well as from an IT laboratory for the CAD courses, a studio for The Study of Form and an architecture library etc.

The School promoted and intensified the participation to the programs of the European Union (Socrates, Leonardo), especially the Socrates program. The participation of the School to the European programs has extended during 2004-2007, so that a number of 24 students received scholarships (5 to 6 months long) in European universities. In 2007, with the occasion of the

"Jewish heritage "project, five students of the school have collaborated with 30 students from an Israeli university. The positive results students obtained in these programs, the opportunity they are given, to experience the other European systems of studying architecture, make the development of the School's participation to mobility programs one of the major objective for the future.

IV.12. Department of Teacher Education and Training (D.P.P.D)

The Department of Teacher Education and Traning (DPPD) was set up through the „Gheorghe Asachi" University' Senate Decision No. 511/2000, and the Minsitry of Education and Research Decision No. 3404 /2002. DPPD's mision is to provide basic teacher training and methodological training for students from technical specializations who would like to follow an educational career. DPPD also provides trainings for Further and Continuous Teacher Education. DPPD participates at several pedagogical research for vocational education at regional, national and international level. Through the Social and Humanistic Sciences division, DPPD co-participates at the initial socio-humanistic traning of students, regardless their specialization.

Currently DPPD includes two main sub-divisions: Educational Sciences, and Social and Humanistic Sciences. Every divison has its own objectives, activities, and staff. The study programs offered by DPPD are:

- psychological, pedagogical and methodological studies for teaching career for Bachelor students and graduate students according to OM 4316/2008. The programs, including optionals, are adpatated to profesional and technical education.

- lifelong learning programs through psiho-pedagogical continuing education offered to teachers and professors form 2nd and 3rd Bologna cycle.

Among international educational institutions where DPPD has signed partnerships are: Bureau of Educational and Cultural Affairs, US Department of State, Huddersfiel University, England; Glotta Nova, Slovenia; Human Communications Centre, England; Katholieke Hogeschool Sint−Lieven, Belgium; Universidad Politecnica De Valencia, Spain; POINT Proje Insaat Taahhut Muhendislik ve Ticaret Ltd. Sti., Ankara, Turky; GOCI Gespecioliseerd Opleidingscentrum Informatica, Belgium; Berufsfoerderungswerk Oberhausen, Germany; Fondo Formacion Centro Spain; National Agency for Vocational Education and Training, Bulgaria; Secondary Technical School of Mechanical Engineering, Secondary Vocational School of Engineering and Vocational School, Pilsen, Cehia; University Association For.Com. – Formazione per la Comunicazione, Italy; Hafelekar Unternehmensberatung Schober KEG, Austria; Fundación Universidad de la Región de Murcia, Spania; HRDC Hellenic Regional Development Center, Greece; Instituto Europeo de Lenguas Modernas, Spain, Escola Superior de Educação de Paula

Frassinetti, Portugal; Stockholm South University, Sweden; University of Peloponnese Tripoli, Department of Social and Educational Policy, Greece; Universite Nancy, France; Karel de Grote - Hogeschool, Departement Lerarenopleiding, Antwerpen, Belgium; Berufspädagogische Akademie des Bundes in Wien, Austria; IUFM Nord-Pas-de-Calais- Institut Universitaire de Formation des Maitres Nord-Pas de Calais, France; Katholieke Hogeschool Zuid-West-Vlaanderen, Belgium; DeSales University, PA, SUA; Lehigh University, PA, SUA; Oxford University, England.

IV.13. Centre for Continuing Education and Training (CETEX)

The Center for Continuing Education and Training (CETEX) was established in 1997 as a self - financed department in the Technical University Gheorghe Asachi Iaşi. The structure of the center is: School of Postgraduate Studies (the Master Program, and training courses); Research Center of Type C, Center of Excellence in Quality Assurance, accreditation CNCSIS (Certificate 140-CC-C); Association of Management Consultants in Romania (AMCOR), Iasi branch ; Simulated Company.

Educational Programs: Master Programs (under ARACIS review): Management and Business Administration (MBA), Management of European Projects (MEP); Short postgraduate improvement courses: Leadership, Strategic Management, Change Management, Total Quality Management, Performance Management, Project Management, Business Negotiation, Market Research, Decision Methods, Management and Human Resources Development; Postgraduate courses of specialization: Human Resources Management in Industry, Administration and Services, Management Structures Innovative Business-technology planning and selection of Human Resources, Training and Human Resources Development, Systems Evaluation in Human Resources Management, Reward Systems for Employees, Safety and its Relationship with Unions, Management Competencies, Standards, Systems, auditing in Quality Management, European Dimensions in Quality Management, Training in Simulated Businesses, Training of Trainers Virtual Incubator, Development of Managerial Skills in SMEs.

International Relations:

We Have concluded a partnership and collaboration with universities: 1.Derby University, United Kingdom, Professor Michael Wilkinson, 2.Technical University of Crete: Prof. Vassilis Moustakis, Prof. Yannis Phillis, Professor Vangelis Grigoroudis, Prof. Michael Doumpos, 3 Moreton Institute, Brisbane, Australia, Prof. Nerida Davis 4. University of Angers, France, Prof. A. Barre, 5. OLLU University, USA Prof. John A. Swiger: Prof. R. Bisking 5. University of Minho, Portugal: Prof. Maria da Graca, Prof. Paul Kiekens 6. University of Rio de Janeiro, Brazil, Prof. Nelio D. Pizzolato 7. University of Emden, Germany, Professor Karl Hayo Siemsen 8. IEDC Bled

School of Management, Slovenia, Prof. Milenko Gudić 9. University of Thessaloniki, Greece Prof. Ch Spathis 10. Democritus University, Greece, Prof. Angel Protopapas

IV.14. Regional Training Center for Public and Private Business Administration (CRIAP 2)

The Regional Training Centre for Public and Private Business Administration (CRIAP 2) was set up as a direct result of the successfully running up of the TEMPUS Program, IB_JEP 14085/1999.

CRIAP 2 is an autonomous and self-financed department for post-graduate education, acting within The "Gheorghe Asachi" Technical University curricula framework and its activity is supervised by the Vice-Rector in charge with Academic Affairs.

In the strategic plan, between years 2008-2011, CRIAP 2 has established the following set of 5 objectives:

1. Maintaining 4 Master specialization in its current offer and using the notoriety already created in almost 7 years of operation (with more than 2000 graduates), which would translate - as a performance parameter - in attracting students from all 6 counties of North - East Region.
2. Launching – after Senate approval, and subsequently by ARACIS – of at least 3 new university Master specializations, according to new procedures and quality standards, specialization which meets the future requirements of labour market in Romania.
3. Development of collaboration with academic partners from EU countries within at least one of its Master.
4. Expanding educational offer of CRIAP 2 at the whole national territory, by introducing, for at least a Master's program, the distance education system.
5. Introducing Master program taught in English.

Mission statement

The activity of CRIAP 2 is focused on the professional knowledge, skills, and abilities development of all people with a higher education background, who are already involved in any kind of business activities and in non-profit organizations as well.

The training program is also aiming to enable the students to start and successfully develop their own business. The teaching process content is designed accordingly to the latest requirements of European educational standards and *continuing / life long learning system*.

Degrees and Specializations

Master of Science Programs - 1 year, full-time – in: (**Mk.Ec) -** Ecological (*Green*) Marketing; (**MMk**) - Marketing Management; (**M&IC**) - Management and Trade Engineering; (**MLIAS**) - *Management and Law for Administration, Industry and Services.*

V. Short history

The first manifestations of engineering education in Iaşi, took place towards the end of the eighteenth century, when The Royal Academy (Academia Domnească) (founded in 1714) was restructured after the western model of school, becoming (in 1765) The Academy of Philosophy and Sciences. The program of the Academy included subjects as arithmetic, geometry, physics, mineralogy, chemistry, cosmology (cosmografie), and was endowed with a library and a laboratory of "mathematical instruments" (organe matematice), including geodesy instruments. New reorganization measures were taken in 1803, when it was increased the number of applied scientific disciplines, as the course of Practical Geometry for topographer engineers (cursul de Geometrie practică pentru ingineri hotarnici), taught in French.

The economic growth stimulated the demand of specialists in land measurement or in construction of buildings, roads and bridges. In these circumstances, to the insistence of Bishop Veniamin Costachi and scholar Gheorghe Asachi, Ruler Scarlat Calimachi approved, through the royal act (hrisov) from 15 November 1813, the establishment of a "class of engineering and geodesy with teaching in Romanian language" (clas de inginerie şi de hotărnicie în limba română), within The Royal Academy (Greek) from Iaşi (Academia domnească (grecească) din Iaşi). These five years courses are the first form of higher technical education in Romanian language.

Between 1835-1847, in Iaşi, operated the Academy "Mihaileană", a modern institution of higher education, which had "a school of civil engineering (applied mathematics)", initially for a two year period, then for three years. In addition to the disciplines of "higher mathematics" (înalte matematici), have been taught Experimental Physics, Mechanics, Practical Geometry and Architecture, Chemistry applied to Technique and Trade, Mineralogy, Technology, Agronomy. The graduates of applied mathematics section obtained the first engineer diploma from the country. In 1847, the civil engineer title became mandatory for employment on certain state jobs, the measure being the first concern in the country regarding the foundation of a technical body.

After establishment in 1860 of the University of Iasi, at the department Science of the Philosophy Faculty were taught some subjects of general culture about technique: Physics, Geodesy, Chemistry, Mechanics, Mechanical Technology, Architecture, Astronomy, Hydrotechnical Engineering. Later, within the Faculty of Sciences, Professor Petru Poni founded a modern chemistry laboratory (1897) and initiated the first studies on Romanian oil. Professor Dragomir Hurmuzescu set up a laboratory for heat and electricity, and Lecturer Petru Bogdan founded the first laboratory of chemistry and physics. In curricula, they introduced after 1902, conferences on Industrial Applications of Electricity, Chemical Study of Oil, Petroleum

Technology, Petroleum Geology. In 1906, were established the Department of Agricultural Chemistry, and in 1911, were established the Department of Chemical Technology. On the 1st of November 1910, was inaugurated the School of Industrial Electricity, which was independent of the University (granted their own graduation certificates), but had the right to use the university facilities and laboratories.

On the insistence of the University Senate to certify the technical higher education which actually exists within university since 1902, the Ministry of Education (Ministerul Instrucțiunii) issued, on the 7th of November 1912, the Regulation of Science Faculty from Iaşi. That way, beginning with 1912-1913 academic year, the technical higher education from Iaşi, started its legal existence within the Faculty of Sciences, with three departments: Electrical Engineering, Chemical Technology and Agricultural Sciences. The length of Bachelor courses was for three years, and the doctoral courses length was for two years. Since February 1913, the name of Electrical Engineering department changed to Electrical Engineering Institute, graduates receiving the title of Electrician University Engineer (Inginer electrician universitar).

Amendments to the Procedures from 1918 and 1923 adapted the curriculum to new technical and economic realities. The study length was increased to four years, was introduced the traineeship in production and was legalized the right to grant engineers diploma (specialization was mentioned) instead of Bachelor with the mention "engineer" issued until 1923. Higher Education Law (1932) introduced a new title for graduates of applied sciences (secții aplicate), that of university engineering. During 1923-1937 the education contained improved continuously,the scientific activity was developed, especially by fundamental research. Remarkable are the international research activities conducted by Professor Ştefan Procopiu.

On the 3rd of December 1937, the Ministry of Education issued a decision which established the "Gheorghe Asachi" Polytechnic School from Iaşi, decision published in M.O. at 8 December 1937. The school started on the 1st of October 1938 with three faculties: Industrial Chemistry, Electrical Engineering, Agronomy (first two with the headquarters in Iasi, the third in Chişinău). First diplomas were awarded in 1940.

By Decree-Law published on the 17th of October 1941, was decided to move the Polytechnic School from Iaşi to Cernăuți, and classes were resumed on the 12th of January 1942 .

On the 13th of November 1941 was approved the establishment within Polytechnic School, of Faculty of Construction, and further, the Law for organizing the higher education from the 2nd of May 1942, has decided to transform the Faculty of Electrical Engineering in Faculty of Electromechanics, with two specialized sections, electrical and mechanical. Since 1942, the

Polytechnic School began to operate with four faculties: Electromechanics, Chemistry, Construction and Agriculture.

The war conditions caused the move of Polytechnic School, in March 1944, from Cernăuți to Turnu-Severin, then in village Devesel from Mehedinți county. During the evacuation, took place regular exams, Bachelor exams and admission competition was organized. After the war, a decree-law from the 18th of November 1944 approved the return of the "Gh Asachi" Polytechnic School to Iasi. Classes resumed on the 13th of May 1945.

By Decree-Law to reform the education (3rd of August 1948) and by the decree to establish the network of higher education institutions (26th of October 1948), the Polytechnic School from Iaşi was divided in the "Gh.Asachi" Polytechnic Institute and the "Ion Ionescu de la Brad" Agronomic Institute. The Polytechnic Institute had four faculties, with 10 specializations: Industrial Chemistry (Mineral Chemistry, Leather), Construction (construction, hydraulics), Electrical Engineering (Electrical Construction), Mechanics (thermotechnics, hidrotechnical, production machines and systems (maşini de lucru), aircraft construction). The studies length was four years.

In the autumn of 1952 was transferred from Bucharest to Iaşi the Higher School of Textile (Institutul de Industrie uşoară); this operated with the support of the Polytechnic Institute of Iasi and was transformed into a faculty in 1955.

A sixth faculty, the Hydrotechnics, was transferred to the Polytechnic Institute of Iasi in 1962. This belonged to the Agronomic Institute from Iaşi and operated in Galați as the Faculty for Improved Land Planning and Organization of Agriculture (Facultatea de îmbunătățiri funciare şi organizarea teritoriului agricol).

The Polytechnic Institute of Iaşi operated until 1990 with six faculties and were created many new specializations. In 1990 were founded four new faculties, derived from the Faculties of Electrical Engineering and Mechanics. In 1993, the name "Polytechnic Institute of Iasi" was replaced by the Technical University "Gheorghe Asachi" of Iaşi. In 2004, the Architecture specialization within the Faculty of Civil Engineering and Building Services, became the Faculty of Architecture "G.M. Cantacuzino", so that in the academic year 2008-2009, within university are operating 11 faculties.

VI.1. The dynamic of the university performance in the area of didactic activity

The "Gheorghe Asachi" Technical University of Iasi is a public institution of higher education and scientific research, with the mission to create and exploit scientific knowledge, to transmit knowledge to new generations, addressing in the same time to entire society, in order to educate permanently within the European Higher Education Area and Research (defined by the statements of the Bologna, Copenhagen and Lisbon, and promoted through the National Strategy for Higher Education in Romania) and to confer professional qualifications competitive on the labor market .

The "Gheorghe Asachi" Technical University of Iasi has important traditions in engineering, scientific and cultural education, it has a nationally recognized position, having a distinct presence on the international scene. The university trains engineers professionally high qualified for almost all industrial fields, able to respond promptly and efficiently to requirements of innovation, research and economic development. The University also offers programs for continuous upgrading of specialists professional skills, required by the global changes within the social environment.

Since 1990, the structure of The "Gheorghe Asachi" Technical University of Iasi (Table VI.1.1) experienced a series of changes, which contribute to its adaptation to the training needs of youth and to the offer and needs identified in the labor market.

Table VI.1.1. *The faculties of The "Gheorghe Asachi" Technical University of Iasi*

No. crt.	Faculty	Year	http://
1.	Faculty of Automatic Control and Computer Engineering	1990	www.ace.tuiasi.ro
2.	Faculty of Chemical Engineering and Environmental Protection	1937	www.ch.tuiasi.ro
3.	Faculty of Civil Engineering and Bulding Services	1941	www.ce.tuiasi.ro
4.	Machine Manufacturing and Industrial Management	1990	www.cm.tuiasi.ro
5.	Faculty of Electronics, Telecommunications and Information Technology	1990	www.etc.tuiasi.ro
6.	Faculty of Electrical Engineering	1937	www.ee.tuiasi.ro
7.	Faculty of Hydrotechnical Engineering, Geodesy and Environment Engineering	1962	www.hidro.tuiasi.ro
8.	Faculty of Mechanical Engineering	1948	www.mec.tuiasi.ro
9.	Faculty of Material Science and Engineering	1990	www.sim.tuiasi.ro
10.	Faculty of Textiles, Leather and Industrial Management	1952	www.tex.tuiasi.ro
11.	Faculty of Arhitecture „G. M. Cantacuzino"	2003	www.ce.tuiasi.ro/~arhitect

Currently, The "Gheorghe Asachi" Technical University of Iasi has 11 faculties and 3 departments directly subordinate to the university. Within this framework, are held activities of Bachelor's programs, master's, doctoral and postgraduate training, and interdependent activities of

scientific research. In all this activities are participating 840 teachers and 17.497 students. The evolution of students' number from the past four years has an increasing trend (Table VI.1.2).

Tabelul VI.1.2. *Evolution of students number between 2005 - 2009* (Reporting to 1 January)

Number / Year	Total	Short term studies	Long term +Bachelor	Master	Doctorate	Didactic degrees pre-univ.
2004/05	14.514	1.303	10.722	997	1.248	244
2005/06	15.572	587	11.645	1.614	1.372	354
2006/07	16.168	238	12.015	2.285	1.276	354
2007/08	16.645	-	12.727	2.398	1.214	306
2008/09	17.497	-	13.725	2.518	995	259

To meet the requirements of today's youth training and the labor market requests, the "Gheorghe Asachi" Technical University of Iasi has continuously expanded and diversified its educational offer. The dynamic of the number of study programs is shown in Table VI.1.3.

Tabelul VI.1.3. *Evolution of number of program studies between 2004 - 2008*

Categories / Year	Short term	Long term	Bachelor studies	Master	Postuniversity Master	Doctorate
2004/2005	27	57	-	-	97	11
2005/2006	-	-	55	-	117	11
2006/2007	-	-	56	-	117	11
2007/2008	-	-	56	-	117	11
2008/2009	-	-	59	1	117	13

In university activities are involved 1825 employees, in the structure: 840 - titular teaching staff, plus 412 – didactic auxiliary staff and 573 - administrative staff (342 - at basic finance, 213 - to the subvention for home and 18 – extra budgetary). The didactic staff is certified also by scientific and honorary distinctions: 4 teachers are members of the Romanian Academy, 22 are members of the Romanian Academy of Technical Sciences or of the Romanian Academy of Scientists, a large number are members of scientific societies and many were awarded with scientific prizes or decorations.

In table VI.1.4 is presented the situation of jobs occupation, on teaching positions, in the last five academic years (at October 1).

Table VI.1.4. *Evolution of titular didactic staff* (jobs: O - *occupied*, V - *vacant*, T - *total*)

Univ. year	Total			Professors			Associate Professor			Lecturer			Asistent professor			Debutant assistant professor		
	post.	O	V	T	O	V	T	O	V	T	O	V	T	O	V	T	O	V
2004/5	1.359	1.034	325	400	312	88	274	249	25	372	229	143	205	151	54	65	50	15
2005/6	1.290	1.005	285	387	282	105	268	244	24	348	233	115	183	145	38	44	41	3
2006/7	1.121	881	240	327	258	69	255	230	25	311	228	83	184	135	49	44	30	14
2007/8	1.115	852	263	261	241	20	253	225	28	320	217	103	239	141	98	42	28	14
2008/9	1.123	839	285	252	234	18	261	227	34	315	201	114	253	151	103	42	26	16

In 2008 / 2009, the 285 vacant teaching positions are substituted by didactic titular staff and by associated didactic staff - consisting of 121 experts recognized for their knowledge and professional experience, which contributes to the proper conduct of didactic activity.

The Library of the “Gheorghe Asachi” Technical University of Iasi has 37 employs: 25 are librarians with university education with the following profile: 15 – technical studies, 10 professors. Of the 25 librarians with higher education, 5 have attended postgraduate courses of library science, 7 have taken courses for professional librarians, 8 have taken improvement courses for library.

VI.2. The dynamic of performance in the financial-economic activity

Under the coordination of the Vice- Rectorate of University Strategy, the main objective of the financial management is ensuring the accounting records, which constitute the basis for a realistic analysis of the financing system, and the efficient management of each resource. Accounting was done using the SICOB system and the methods for financial management have ensured transparency, decentralization and information in real time. On these bases the financial strategy is being built and implemented on.

The methodology for distributing toward faculties the budgetary allocation was the same as the methodology for the allocation of basic funding to universities, namely: distribution of funds on faculties by block-grants, according to their students’ number; differential allocation of faculties funding, depending on qualitative results. Table VI.2.1. presents the evolution of basic funding during 2002-2008.

Table VI.2.1. *Evolution of basic founding between 2002 – 2008*

No. crt.	Year	Basic Founding (lei)	Increases %	Distribution according to:		No. Quality indicators
				Equivalent students (%)	Quality indicators (%)	
0	1	2	3	4	5	6
1	2002	21.994.104,80	100,00	100	-	-
2	2003	22.899.290,30	104,12	87,3	12,7	13
3	2004	35.447.838,70	161,17	87,3	12,7	13
4	2005	44.811.368,00	203,74	87,3	12,7	13
5	2006	51.828.528,00	235,65	80	20	13
6	2007	73.633.672,00	334,79	75	25	12
7	2008	91.515.622,00	416,09	70	30	13

The indicator **useful area / student** had a different evolution within faculties, according to table VI.2.2.

Table VI.2.2. *Evolution of indicator* **useful area / students** between *2005 – 2009*

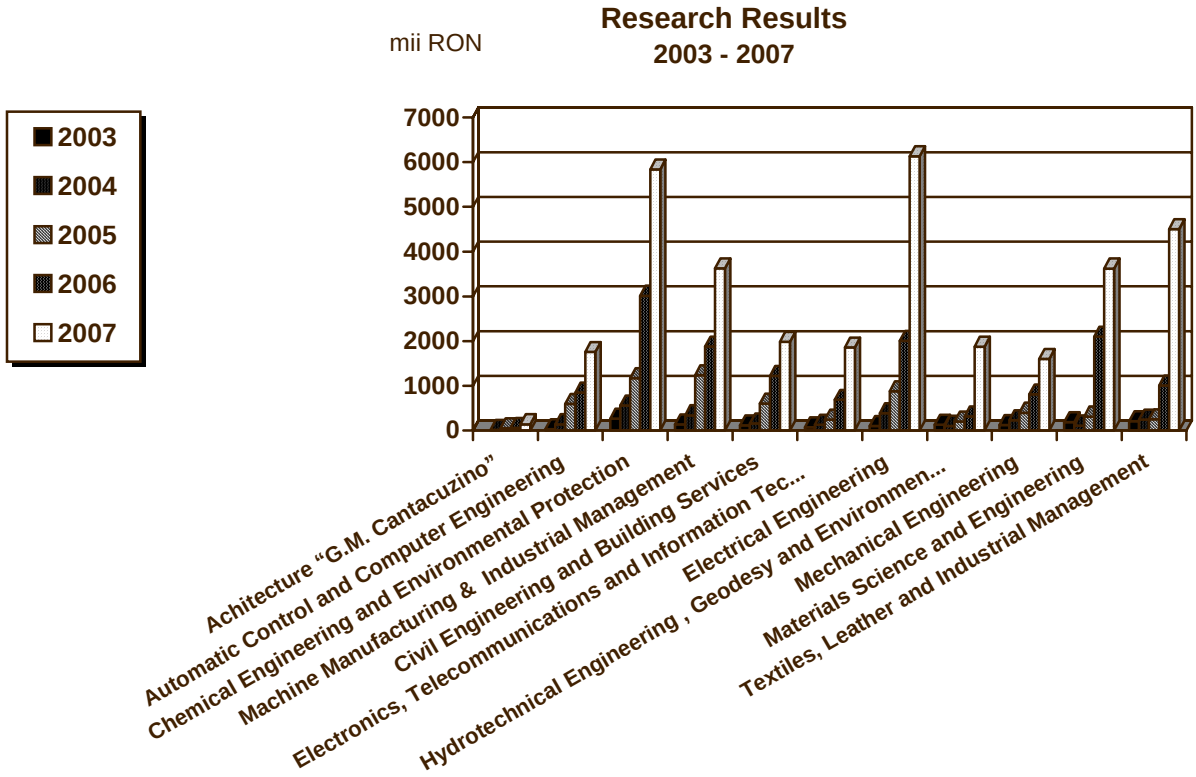
No. crt.	Faculty	Indicator		Year					Difference from average
				2005	2006	2007	2008	2009	in 2009
1	Faculty of Arhitecture „G. M. Cantacuzino"	Useful area (m^2)		1179,00	1179,00	1179,00	1179,00	1179,00	
		No.students		278	297	332	411	423	
		Area/stud (m^2/stud)	**ARH**	4,24	3,97	3,55	2,87	2,79	-2,29
2	Faculty of Automatic Control and Computer Engineering	Useful area (m^2)		4132,66	4120,71	4147,83	4073,19	4073,19	
		No.students		1393	1329	1345	1353	1353	
		Area/stud (m^2/stud)	**AC**	2,97	3,1	3,08	3,01	3,01	-2,07
3	Faculty of Chemical Engineering and Environmental Protection	Useful area (m^2)		13785,28	14667,7	12983,30	13478,8	13823,55	
		No.students		1266	1238	1239	1348	1289	
		Area/stud (m^2/stud)	**CH**	10,89	11,85	10,48	10	10,72	5,64
4	Faculty of Civil Engineering and Bulding Services	Useful area (m^2)		10911,31	11066,9	11599,40	10076,72	14257,20	
		No.students		2419	2793	3056	4033	4158	
		Area/stud (m^2/stud)	**CA**	4,51	3,96	3,8	2,5	3,43	-1,65
5	Machine Manufacturing and Industrial Management	Useful area (m^2)		8399,26	8136,29	8063,46	8103,24	8083,53	
		No.students		1141	1248	1195	1265	1268	
		Area/stud (m^2/stud)	**CM**	7,36	6,52	6,75	6,41	6,38	1,3
6	Faculty of Electronics, Telecommunications and Information Technology	Useful area (m^2)		4470,1	4478,77	4406,21	4922,96	4975,21	
		No.students		1136	1049	1065	1046	1063	
		Area/stud (m^2/stud)	**ETC**	3,93	4,27	4,14	4,71	4,68	-0,4

7	Faculty of Electrical Engineering	Useful area (m^2)		9110,13	9114,65	9074,08	8125,93	9517,3	
		No.students		1726	1722	1621	1615	1687	
		Area/stud (m^2/stud)	**ETH**	5,28	5,29	5,6	5,03	5,64	0,56
8	Faculty of Hydrotechnical Engineering, Geodesy and Environment Engineering	Useful area (m^2)		4099,74	4768,65	5212,57	4343,19	4289,89	
		No.students		829	1051	1117	1443	1419	
		Area/stud (m^2/stud)	**HID**	4,95	4,54	4,67	3,01	3,02	-2,06
9	Faculty of Mechanical Engineering	Useful area (m^2)		8267,19	8664,04	7743,87	7964,09	7692,09	
		No.students		1125	1293	1344	1420	1441	
		Area/stud (m^2/stud)	**MEC**	7,35	6,7	5,76	5,61	5,34	0,26
10	Faculty of Material Science and Engineering	Useful area (m^2)		2878,03	2618,66	2606,28	2598,4	2604,29	
		No.students		971	932	995	992	1087	
		Area/stud (m^2/stud)	**SIM**	2,96	2,81	2,62	2,62	2,4	-2,68
11	Faculty of Textiles, Leather and Industrial Management	Useful area (m^2)		13105,13	13120	14048,7	15696,2	14219,22	
		No.students		1624	1637	1693	1483	1488	
		Area/stud (m^2/stud)	**TEX**	8,07	8,01	8,3	10,58	9,56	4,48
	TOTAL UNIVERSITy	**Useful area (m^2)**		**80337,83**	**81935,37**	**81064,70**	**80561,70**	**84714,47**	
		No.students		**13908**	**14589**	**15002**	**16409**	**16676**	
		Area/stud (m^2/stud)	**UTI**	**5,78**	**5,62**	**5,4**	**4,91**	**5,08**	

Observation: The students number includes those who attended (with or without fee): day courses of long term, Master, evening courses, continuation of studies, doctorate

* useful area increased in 2008, becouse of new building of Faculty of Civil Engineering and Bulding Services with 3742 m^2 area.

VI.3. The dynamic of performance in the scientific research activity



In the period 2003-2007, the scientific research of The "Gheorghe Asachi" Technical University of Iasi had mostly an upward trend, proved by the number of national and international research contracts, the number of articles published in specialized publications recognized by CNCSIS (magazines in category B and B +), the number of articles published in specialized journals with quoted ISI or indexed in international databases, the number of papers presented at international conferences, the number of patents obtained.(Table VI.3.1.)

Table VI.3.1. *Dynamic of research activity*

Indicators of performance in scientific research activity	**2003**	**2004**	**2005**	**2006**	**2007**	**TOTAL**
Scientific papers published in quoted ISI magazins	84	115	106	159	235	**699**
Patents (including those awarded to students)	35	58	17	17	3	**130**
Scientific/ technical papers published in specialized publication without ISI quote	222	375	343	301	557	**1798**
Papers presented to international conferences	357	498	752	599	1051	**3257**

The results obtained in contracts, in the last 5 years, within the faculties of the Technical University "Gheorghe Asachi" from Iasi, are shown above.

National and international capacity to cooperate is an important segment of the dynamics of scientific research activity. Our University has developed in the past four years a total of 56 research projects and international collaboration with a budget of 1.5 million euros, in the Erasmus program, FP5, FP6, FP7 and at national level (through the PNCDI, CEEX, PNII etc.).

Also, the dynamics of doctoral schools for 2005/2008 is shown by the following statistics:

Table VI.3.2. *Dynamics of doctoral school*

Perioada	**2005-2006**		**2006-2007**		**2007-2008**		**Total**	
Nr.doctoranzi 4090, **din care:**	cu frecventa	FF	cu frecventa	FF	cu frecventa	FF	**cu frecventa**	**FF**
	418	1016	370	999	351	936	**1139**	**2951**
Conducatori doctorat	173		174		165		**512**	
Teze de doctorat sustinute	82		86		70		**238**	

VI.4. The dynamic 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 the need for change, to the society requirements and to the evolution of scientific knowledge". Considering the common purpose of the Bologna Declaration, signed by the Ministers of Education from 29 countries, including Romania, the Technical University "Gheorghe Asachi" of Iasi is already implementing the structures specific to Bologna Process, putting into practice the new structures under the six Bologna objectives:

- Recognition of diplomas: adopting a diploma system with comparable degrees and well defined;
- Adopting a system based on two cycles (bachelor / master);
- Implementing the credits system (ECTS);
- Promoting mobility;
- Promoting the European cooperation in the quality assurance area;
- Promoting the European dimension of higher education.

In addition to the six directions of the Bologna Process, the “Gheorghe Asachi” Technical University of Iasi gives priority to studies internationalization, with significant emphasis on the exchange of students, teachers and administrative staff with universities abroad.

Each year, a number of students, teachers and administration staff are moving to partner universities abroad, in the framework of European Lifelong Learning / Erasmus.

In tables VI.4.1, VI.4.2, VI.4.3 it is presented the dynamic of students' number and the dynamic of mobility of teachers and students over the past five years.

Table VI.4.1. *Dynamics of foreign students*

Foreign students		2004	2005	2006	2007	2008
At complete university studies	From European and non-Europeean countries	16+15	11+11	5+6	5+3	2+12
	From Moldova Republic and Ukrain	246	243	174	162	215
At partial studies	Socrates/Erasmus	15	28	32	18	28
	TOTAL	292	294	218	188	257

Table VI.4.2. *Dynamics of mobility of students and teachers*

	2004	2005	2006	2007	2008
1. Teachers mobility					
- Socrates/Erasmus	39	38	63	47	44
Leonardo da Vinci	124	21	40	27	27
Other programs - AUF, Marie Curie, doctoral scholarships, invited professor	21	136	39	68	72
Participation to conferences	98	250	224	334	342
- Work meetings, research stages	56	102	88	201	207
TOTAL	340	554	449	680	692
2. Students mobilities					
- Socrates/Erasmus programs	117	111	125	116	103
Other programs	19	18	9	6	16
TOTAL	146	134	149	132	119

Tabelul VI.4.3. *Dynamics of mobility of student, teachers and administrativ staff*

University year	Students mobilities	Teachers mobility	Administrative staff mobility
2006/2007	116	47	-
2007/2008	103	44	11
2008/2009	100	46	11

Table VI.4.4 shows the cooperation agreements concluded by the Technical University "Gheorghe Asachi" from Iasi.

Table VI.4.4. *Cooperation agreements*

University year	Cooperation agreements Inter-Institutional Erasmus	Cooperation agreements
2007/2008	113 valid agreements	57 valid agreements
2008/2009	131 valid agreements	58 valid agreements

The 58 cooperation agreements are concluded by the "Gheorghe Asachi" Technical University of Iasi with institutions from Brazil, Bulgaria, Canada, China, Egypt, Finland, France, Germany, Greece, Jordan, Italy, Japan, Latvia, Morocco, Peru, Portugal, Moldova, Spain, Singapore, United States, Turkey, Ukraine.

Erasmus Inter-Institutional Agreements are concluded with universities across Europe.

For the academic year 2009/2010 our university has concluded in the framework of LLP / Erasmus Program, a total of 184 valid agreements in which will take place motilities' to partner universities.

In addition, The "Gheorghe Asachi" Technical University of Iasi is a member of EUA (European University Association), AUF (Agence Universitaire de la Francophonie), EUCEN (European University Continuing Education Network).

As an achievement of the objectives listed above, our university is now emitting the "Diploma Supplement" to students who studied at the partner universities. It is also expected that in the next time period to be issued Europass documents from our institution (Europass portfolio includes: Europass CV, Europass Language Passport, Europass Supplement to professional certificate, Europass Diploma Supplement, Europass mobility document).

According with the industrial development at national and European level, there have been several fluctuations in the offer of jobs for university graduates. The evolution of relation between jobs offer and graduates number is shown in Table VI.4.5.

Table VI.4.5. *Dynamics of jobs offer in 2004 – 2008*

No	FACULTY	Number of jobs / number of graduates[%]				
		2004	2005	2006	2007	2008
1	Faculty of Textiles, Leather and Industrial Management	100.4	86.79	64.76	64.32	96.63
2	Faculty of Electrical Engineering	77.8	88.91	103.82	134.02	103.31
3	Faculty of Chemical Engineering and Environmental Protection	83.6	94.21	91.35	119.09	92.27
4	Faculty of Automatic Control and Computer Engineering	177.0	121.93	128.61	185.34	127.93
5	Faculty of Hydrotechnical Engineering, Geodesy and Environment Engineering	46.5	88.61	104.68	130.82	100.00
6	Faculty of Mechanical Engineering	95.7	114.12	152.38	200.00	132.21
7	Machine Manufacturing and Industrial Management	85.5	133.33	152.76	129.03	112.00
8	Faculty of Material Science and Engineering	30.0	47.37	75.79	110.38	87.36
9	Faculty of Electronics, Telecommunications and Information Technology	139.0	101.75	104.47	126.07	112.63
10	Faculty of Civil Engineering and Bulding Services	105.2	112.70	126.61	175.89	115.92
11	Faculty of Arhitecture „G. M. Cantacuzino"	256.2	159.45	153.12	196.66	107.31
	TOTAL UNIVERSITY	102.4	102.39	110.02	135.01	110.32

VII. The quality of study programs and mandatory requirements

1. Legal status

The "Gheorghe Asachi" Technical University of Iasi is a state non-profit institution that promotes education and research as public goods.

University has legal personality and it is a legal person of national interest.

The "Gheorghe Asachi" Technical University of Iasi operates under the Constitution of Romania and the Romanian legislation.

It respects the principles from the *Universal Declaration of Human Rights (1948)* and the *Magna Charta of European Universities (1988)* and is adhering to the *Bologna Declaration (1999)*. University identification is done through:

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

b) the emblem, flag, seal;

c) ceremonial outfit: robe and toque;

d) University Day: November 15;

e) office: Boulevard Dimitrie Mangeron no. 67, Iasi, Postcode 700050, Romania.

The "Gheorghe Asachi" Technical University of Iasi works with this name since 1993. It is situated on the traditional line of Romanian higher education, from its beginnings, in a historical process where was officially recorded, at 15 November 1813, establishment of a "class of engineering and geodesy with teaching in Romanian language" (clas de inginerie şi de hotărnicie în limba română), the first manifestation of technical higher education in Romanian language in our country.

Since its establishment in 1937, this operated continuously under the names: "Gheorghe Asachi" Polytechnic School (***Annex VII.1.a***) and "Gheorghe Asachi" Polytechnic Institute (1948). The new name dates from 1993 (***Annex VII.1.b***) and the current structure is regulated by Government Decision 635 / 2008 (***Annex VII.1.c***).

Institution's mission and objectives.

University is distingueshed through its mission and objectives, in the national system of higher education, having a well known image at local, regional, national and European level.

At local level, university has a high prestige, in all five state universities and five private universities from Iasi. University has a significant social and cultural dimension and plays an important role in city development, both spiritual and material. The institution is a true symbol of the city, both because of long tradition and because of the importance of its socio-cultural activities.

University is schooling a significant number of graduates from high school from Iasi, and also constitutes an important job place, both for staff with the highest level of qualification, and for staff with higher and medium education. University, through major investments, participates in the city life, all buildings of faculties and "Tudor Vladimirescu" students complex being important milestones in the geography of the city. In this respect, may be mentioned the new department offices of Building services and Machine Tools, rehabilitation of "Tudor Vladimirescu" students complex in a project of 17.5 million euros from structural funds. Also, the university will bring to Iasi city, the headquarter of Rectorate and of Library. The institution is an important win for the industrial activity of the city through numerous contracts with operators. Also, the university is an important asset for the industrial activity of the town, through its numerous collaborations with companies and through atracting foreign investors.

Annex A.2.1.1.c. Investment Projects

At regional level, the university is an important bench-mark, a large numbers of high school graduates from the east of the country attending courses at our university. Also, the institution is visible on economic and social life from this part of the country through the large number of graduates working in various sectors. University is a center of excellence in this region, a fact attested by students at Master and doctorate program which are improving their professional profile in technical sciences.

Annex B.1.1.1.c. Report of Proffessional Orientation Center

On national level, the university has a important reputation, especially because graduates distributed in various areas of the country. In terms of scientific research, university is placed constantly among the top five universities from the country, according to various ratings made in this area. Also, the university has a high prestige at national level because of Iaşi school of invention, established about 40 years ago by Prof. Dr. Vitalie Belousov ing. Thus, "Gheorghe Asachi" Technical University of Iasi is constantly ranked by the State Office for Inventions and Trademarks, as being on first place in the country, in terms of number of applications for patents from students and teachers. Because the university has established a true **culture of creativity**, many graduates are continuing their technical creative activity after graduation, contributing to the development of creativity at the national level.

Annex A.1.1.1.c. Self - assessment report on scientific research activity

On European level, in recent years, it is manifesting the university opening towards this area, both in educational activity and scientific research. University is visible in Europeean academic environment through exchanges of students and teachers, through numerous cooperation agreements regarding mobility. Also, professors are publishing scientific papers in journals of high international prestige, some of them being members of editorial committees. There are numerous research contracts conducted in partnership, within European research programs. University is

participating to major inventions exhibitions organized in Europe, a large number of teachers and researchers receiving medals and awards.

Annex B.3.1.3.c - Awards and medals

Annex A.1.2.2.a - Strategic plan 2008 – 2011

Annex A.1.2.2.b - Operational Plan 2006

Annex A.1.2.2.c - Operational plan 2007

Annex A.1.2.2.d - Operational plan 2008

Annex A.1.2.2.e - Operational plan 2009

Annex VII.1.d – The number of international mobilities

Based on university mission and objectives, were formulated missions and specific objectives for all study programs. They constitute the base on which are structured curricula, subject content, general and specific skills for each qualifications offered by these study programs.

Annex A.1.1.1.b. Didactic and research mission for study programs

2. University Charter

University Charter was approved by the Senate of the "Gheorghe Asachi" Technical University of Iasi, on 29 May 2007.

Charter is drawn up in accordance with academic tradition and respecting the regulations. All regulations, procedures, methodologies, instructions, etc., which are reported to university charter, are contained in Standard Operating Procedures Manual.

Annex A.1.1.1.a - University Charter

Annex VII.2 – The Standard Operating Procedures Manual

3. Management of organization, management structures

Within university were respected legal rules to elect the collective leadership bodies (Faculty Council and Senate) and the management (Rector was validated by the Order of Minister of Education, Research and Youth, No 3330/03.03.2008).

Managerial staff of the University is composed of professors or associate professors who are not in the condition of reserving their post.

Annex VII.3 - University management structure 2008 - 2012

Annex A.1.2.1.a - Procedure regarding election of university managers

Annex A.1.2.1.b – Procedure regarding operating of structures and management position

University has an organization chart framed with its own personal that has the required professional qualifications. There are personal establishments for didactic and administrative staff.

Annex A.1.2.3.a - Organization chart

Library has staff with university qualification in library or literature area.

Annex C.5.1.1.b3 - Library staff

4. Teaching staff

Teaching jobs within university were filled by competition, in compliance with laws. Jobs are filled with their own staff, with the adequate qualifications required for employment in that job. The legal employment process is met as follows: publication of jobs with ministry approval, conducting competition under legal rules and its own regulations.

Records regarding the job contest are certifying that, with career advancement, teaching staff approached new study subjects, depending on the dynamics of knowledge, as attested, in particular through research and publication of educational materials.

Annex VII.4.a - List of didactic staff

Teaching staff, titular in university, is covering in an academic year at most three teaching norm, regardless of the institution of higher education in which they operate. This was confirmed at internal and external assessment of study programs.

Annex VII.4.b - Occupation degree of didactic staff

Titular teaching staff in higher education, according to law, retired at the limit age or for other reasons, and which has teaching activities as associated didactic employee, has just one didactic norm in the university.

Annex VII.4.c - Occupation degree of retired didactic staff

Associated didactic employees are meeting the legal conditions related to occupy the jobs.

Annex VII.4.d - Associated didactic staff

Titular on study subjects have a minimum teaching rank of lecturer, being PhDs-s or PhD students in the area of those study subjects. Titular on seminars have initial skills and competences in that study subject. Assistant professors are certified or are in course of completion the module of pedagogy training.

University, by decision of the Senate Office is offering material support for young assistants who are attending pedagogy courses at the Department of Teacher Education and Training of the university.

A*nnex VII.4.e – Status of teacher education and training of Assistant Professors*

5. Material Base

University has the necessary patrimony for carrying out a quality process of education in line with the university mission and objectives.

Annex A.2.1.1.a - Inventory of furniture patrimony

Number of seats in classrooms, seminar and laboratory is correlated with the size of study groups (series, groups, subgroups, etc.), according to norms.

Annex A.2.1.1.b - Capacity of educational spaces

In the specialized courses of IT, in laboratories equipped with necessary technology, during Bachelor programs, a computer is allocated for 2 students and during Master programs, each students can work with its own computer.

Annex A.2.1.2.a – Endowment of specialized laboratories with technical equipment

University has the appropriate software with licenses to use, for study subjects taught in the curricula.

Anexa A.2.1.2.b - Endowment with software

Teaching laboratories are proper equipped for the compulsory study subjects.

Annex A.2.1.2.c - Endowment of teaching laboratories

University Library is equipped with reading rooms and book collections according to the study subjects from curricula on Library will provide places for 10% of the total number of students by putting into use a new headquarters library.

Annex C.5.1.1.b1 – General presentation of the university Library

Library has a sufficient number of subscriptions to publications and periodicals from Romanian and aboard. Library held in time, intense exchanges of publications, especially through the Bulletin of Polytechnic Institute of Iasi.

Annex C.5.1.1.c1 – Periodically subscriptions

Annex C.5.1.1.c2 - International exchange of books

The leadership of institution provides multiplication of books necessary for the education process, books developed by teachers. Multiplications are carried out through the Didactic Vice – Rectorate and the university typography. There is also the university publishing house, which publishes scientific or didactic works, with funding from contracts, grants, etc.

Annex VII.5.a – Presentation of the university Publishing House

Annex VII.5.b – Presentation of the university Typography

6. Financial Activities

Were being fulfilled the legal conditions regarding employment in the financial - accounting compartments and the Accounting Director has higher economic education.

University has its own budget of income and expenditure for the education, tax code and bank account.

Annex VII.6.a – Treasury account

Annex A.2.1.3 – Budget – estimation 2009 - 2012

Student tuition fees are calculated according to average costs per year of school education in public education financed from the budget in Bachelor or Master program. The calculation is determined annually.

Fees are published on the web, on poster board, on brochures and at secretariats.

Annex B.4.1.1.b - School fees

7. Students

Admission of students is carried on according to admission procedure, based on the baccalaureate diploma or other equivalent documents of studies recognized by the ministry.

Transfers of students between universities are done in compliance with the laws in force.

Annex B.1.1.1.a - Procedure for admission at Bachelor studies

Annex B.1.1.1.b - Procedure for admission at Master studies

Annex VII.7.a - Procedure for organizing the didactic activities for Bachelor programs

Diplomas and certificates are granted because the university is accredited and study programs are authorized / accredited / periodically assessed by CNEEA and ARACIS (since 2007), or approved by MECT (Master and Postgraduate). All students receive the Diploma Supplement, in accordance with regulations.

Annex VII.7.b - Procedure of completion the Bachelor programs

8. Research activity

Strategic plans of faculty include research plans, on specific areas. The research themes contained in plans are included in the scientific areas of Bachelor and/or Master programs.

Annex A.1.1.1.c - Self- assessment report on scientific research activity

Annex A.1.1.1.d - Research plans on specific areas

Results of scientific research conducted by didactic and research staff are published in specialized magazines or in publishing houses from our country recognized by CNCSIS or from aboard, communications presented at scientific sessions, symposiums, seminars in the country and / or abroad, contracts, expertise, consultancy, etc., based on national or international contracts or agreements, evaluated by specialized committees, etc. Research activity is confirmed by ranking our university on a higher position in rankings compiled by various organizations, institutions, etc. The university regularly organizes with teachers, researchers and graduates, scientific sessions, symposiums, conferences, roundtables, and the presented papers are published in scientific bulletins listed ISBN or ISSN, or in magazines dedicated to the organized activity.

Annex B.3.1.3.b - Scientific Conferences organized at the university

VIII. The process of quality assurance of study programs, standards, reference standards, as part of institutional strategic management

(the numbering and indicativs are those from "External Evaluation Methodology", developed by ARACIS and approved by Government Decision no. 1418/11.10.2006)

A. Institutional capacity

A. 1. Institutional, administrative and managerial structures

A.1.1. Mision, objectives and academic integrity

A.1.1.1. Mision and objectives

Min.: The University is founded and operates according to law. The institution has a University Charter with regulations according to the national law and the principles of the European Higher Education Area and are known by university members.

Ref.1: By the way of formulating and achieving the mission and objectives, the institution is unique within European Higher Education Area.

Annex A.1.1.1.a – University Charter

Annex A.1.1.1.b - Didactic and research mission for study programs

Annex A.1.1.1.c - Self- assessment report on scientific research activity

Annex A.1.1.1.d – Research plans on domains

A.1.1.2. Academic integrity

Min.: The institution has a Code of Ethics and academic integrity that protects the academic freedom, university autonomy, ethical integrity and has clear practices and mechanisms for implementation of the ethical code.

Ref.1: The institution not only such a ethical code and the associated practices, but it controls and can provide proof of their application, regarding the management activities, research, teaching or examination. The results of this monitoring are made public.

Annex A.1.1.2.a - Code of Ethics

Annex A.1.1.2.b – Procedure regarding how Commission of Ethics operates

Annex A.1.1.2.c – Annual report of Commission of Ethics

A.1.1.3. Public responsibility

Min The institution has internal audit procedures regarding the main areas of academic activity

Ref.1: Internal audit is carried out effectively, periodically, at the level of institution and departments, and concerns the financial accounting, the academic integrity of teaching, examination and research. Annually is published an report on academic audit, debated in Senate meetings, and is developed an improvement plan.

Annex A.1.1.3.a – The plan of internal public audit 2009

Annex A.1.1.3.b - Report of internal public audit 2008

Annex C.8.1.1.a – Annual report 2007 regarding quality

Annex C.8.1.1.b – Annual report 2008 regarding quality

A.1.2. Management and Administration

A.1.2.1. The management system

Min.: The institution has a management system and an internal standard operating procedures which complies with regulations in force. The mechanism for electing students in Councils, Senate and other structures, are clearly described in the University Charter and internal procedures.

Ref.1: The management system and the internal standard operating procedures use communication systems as the Internet and Intranet.

Annex A.1.2.1.a - Procedure regarding election of university managers

Annex A.1.2.1.b – Procedure regarding operating of structures and management position

Annex C.6.1.1 – Department of Communication Management

A.1.2.2. Strategic management

Min.: The institution has a strategic plan for at least four years and annual operational plans.

Ref.1: The strategic plan is developed for long-term, medium and short term, it is annually updated or according to the evolution and the context of higher education.

Annex A.1.2.2.a - Strategic plan 2008 – 2011

Annex A.1.2.2.b - Operational Plan 2006

Annex A.1.2.2.c - Operational plan 2007

Annex A.1.2.2.d - Operational plan 2008

Annex A.1.2.2.e - Operational plan 2009

A.1.2.3. Efficient administration

Min.: The university has an administration that respects the legal regulations in force, is efficient in respect of organization, staff number and qualification and is operating rigorously through the services provided to the academic community.

Annex A.1.2.3.a - Organization chart

Ref.1: The university has a rigorous and effective administration and has mechanisms for control and continuous development of administration performance.

Annex A.1.1.3.a – The plan of internal public audit 2009

Annex A.1.1.3.b - Report of internal public audit 2008

Ref.2: The level of informatisation of the administration should be compatible with that of the European Higher Education Area.

Annex C.6.1.1 – Department of Communication Management

A. 2 - Logistics

A.2.1. Patrimony, endowing, financial resources allocated

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

Min.: Respecting the differences between the types of education (daily, part time and at distance) and the objectives of research activities, the university provides spaces for education and research that match to its specific, through classrooms, laboratories and research centers research, in accordance with the technical standards of safety and hygiene. The benchmarks also refers to the accommodation spaces and other areas provided for social, cultural and sports activities.

Annex A.2.1.1.a - Inventory of furniture patrimony

Annex A.2.1.1.b - Capacity of educational spaces

Ref.1: In addition to the existing spaces, the university has developed plans and realistic investment plans, depending on predicted incomes. Currently, it runs a project of structural funds, of 17.5 million euros, for the rehabilitation of Tudor Vladimirescu campus. There is also a plan for new headquarters of the Rector's Office and for the university library. Are being finalized various offices of university departments (Mus, Mechanics, etc.).

Annex A.2.1.1.c – Investments projects

A.2.1.2. Endowing

Min.: The rooms for teaching have the equipment for learning, teaching and communication which facilitates the professors' activity and each student receptivity; research laboratories have the equipment and means of operation corresponding to the minimum requirements.

Ref.1: The endowing of classrooms and laboratories for teaching and research meets the current state of development of knowledge and it is comparable to that of the developed universities in Europe and with international best practices.

Annex A.2.1.2.a – Endowment of specialized laboratories with technical equipment

Anexa A.2.1.2.b - Endowment with software

Annex A.2.1.2.c - Endowment of teaching laboratories

Annex A.2.1.2.d – Endowment with technical equipment for learning, teaching and communication

A.2.1.3. Financial resources

Min: The University has sufficient funding and financial resources, on short-term (annual) and on long term (at least for three / four successive years), allocated to adequately perform the mission and objectives. The university has realistic annual budget and a budget for three / four years, and financial policies on short and medium term, with reference to financial sustainability.

Ref.1: In addition to current requirements, the university has substantial financial reserves, from various funding sources and the necessary planning and policy for investment and financial management

Annex A.2.1.3 – Budget – estimation 2009 - 2012.

A.2.1.4. The system for granting scholarships and other forms of material support for students

Min.: The institution has a regulation for scholarships granting and other forms of material support for students, which is consistently applied. Scholarships are granted from the state budget and from own resources.

Annex A.2.1.4 – Regulation for scholarships granting

B. Educational efficacity

B.l. Study programs content

B.1.1. Students admission

B.1.1.1. Political principles for admission to the study programs of the institution

Min: University is applies a transparent policy for recruitment and admission of students, publicly announced at least with 6 months before application. The university marketing promotes real and accurate information indicating the possibility of verification and confirmation. Admission is based exclusively on the candidate's academic skills and does not apply discriminatory criteria.

At the university and faculties level, are caring on activities to promote the university image within high-schools. It is organized caravans, visits, joint activities with pupils, in order to correct their information on the possibilities to study at the university.

It is promoted pupils competitions in the university. For example, The Contest of applied mathematics "Adolf Haimovici" (county and national phase) and The Contest of applied mechanics "Dimitrie Mangeron", held annually in the Faculty of Machine Construction and Industrial

Management, the winner being admitted to CMMI faculty, without a contest and having a number of material benefits in the first year of study.

Annex B.1.1.1.a - Procedure for admission at Bachelor studies

Annex B.1.1.1.b - Procedure for admission at Master studies

B.1.1.2. Admission procedures

Min: Admission into a university cycle is based on the diploma of previous studies, taking into account the hierarchical order of the graduation marks.

Ref.1: Admission to study is based on a combined set of criteria, where the results of the admission examination have the greater share.

Ref.2: Schooling of foreign students has been made in compliance with the laws in force. **(*Annex B.1.1.1.b. Procedure for admission*).**

B.1.2. The content and the presentation of study programs

B.1.2.1. The structure of study programs

Min: Each program of study / specialization of the university is based on the correlation between the results in learning and research, and the academic qualifications. Uniform manner of presenting the study programs has been certified during internal and external assessment of study programs. A study program is presented as a package of documents including: general and specific objectives of the program, curricula with the disciplines weights, expressed in ECTS credits, and with study subjects ordered according to schooling sequence; the subjects included in curriculum and the learning outcomes expressed in the form of cognitive skills, or technical-vocational and emotional value which are created within a study subject. The procedure for drawing up the content of study subjects expressly stipulates the inclusion of the learning outcomes in these documents.

The manner of examination and assessment within each study subject, taking into account the planned results, the organization and contents of final exams, as an summative exam that certifies the assimilation of cognitive and professional skills that match university qualification. The procedure for examination and grading of students explicitly states how to assess the student's skills.

Annex B.1.2.a - The procedure for drawing up the curricula

Annex B.1.2.b - Procedure for examination and marking of students

Annex C.2.1.1.a - The procedure for initiation, approval, monitoring and periodical assessment of study programs

B.1.2.2. Differentiation in drawing up the study programs

Min: The programs of study are uniform in structure, regardless of the training form (daily, evening, part time and at distance), but differ in implementation, depending on the means used in the form of education. In university, in addition to education with daily courses, there is a Bachelor program with double form, day and evening, with no differences among the two schools. Also, there is a Master program only at distance.

Annex. B.1.2.2. Curricula – Civil Engineering and Building services - day / evening

B.1.2.3. The relevance of study programs

Min: The cognitive and professional relevance of study programs is defined according to the development of knowledge and technology from this area, and the request of labor market. The University has mechanisms for annual peer review of activities and knowledge transmitted to students, and for analyzing the changes occurred in qualifications and in their impact on the organization of the study program. In each study program, through specialization coordinators, appointed by the faculty,is permanently monitoring the relevance of study programs. In this sense, analysis is conducted within the departments and faculties, in the didactic committees, which check the correlations between study subjects and their relevance within the program study.

Annex C.2.1.1.a - Procedure for initiation, approval, monitoring and periodical assessment of study programs

B.2. Learning outcomes

B.2.1. Use of the obtained university qualification

B.2.1.1. Use by means of penetrating the labor market

Min: At least 50% of graduates are employed within two years after graduation. Following internal and external assessments, based on data available at the university, faculties and departments resulted that this percentage is achieved within the study programs assessed until now. Our University participated in a preliminary meeting at the national level regarding the start of a project financed by structural funds, with the subject of study the graduates' career.

B.2.1.2 Qualification use by means of postgraduate studies

Min: At least 20% of the graduates of the last two graduates' generations from Bachelor programs are admitted to Masters' studies, regardless of the field. Following internal and external assessments, based on data available at the university, faculties and departments resulted that this percentage is achieved in the study programs assessed until now.

B.2.1.3 The level of students' satisfaction related to personal and professional development provided by the university

Min: More than 50% of students appreciate positively the learning / development environment offered by the university and their own learning path.

Each faculty has initiated, annually, an action to establish the students' percentage who appreciates positively the learning/ development environment offered by the university and their own learning path. Following internal and external assessments, based on data available at the university, faculties and departments resulted that this percentage is achieved within study programs assessed until now.

B.2.1.4 Focusing of teaching methods on students

Min: The main responsibility of the teacher is to design the methods and the learning environments centered on student, with less emphasis on traditional responsibility to transmit information only. The relationship between student and professors is a partnership in which each will take responsibility to achieve the learning outcomes. The learning outcomes are explained and discussed with students from the perspective of relevance for their development. Professors use the resources of new technologies (e-mail, personal web page for themes, bibliography, electronic resources and dialog with students), and auxiliary materials, from the flip-chart and video.

The contents of study subjects include techniques and methods for teaching centered on student. Also, the university provides teachers with new technologies resources.

Annex B.1.2.a - The procedure for drawing up the curricula

Annex B.1.2.b - Procedure for examination and marking of students

Annex A.2.1.2.d – Endowment with technical equipment for learning, teaching and communication

B.2.1.5 Professional orientation of students

Min: The professors have hours permanently available for students and personalized guidance to student demand. There are persons responsible with guidance of students, on each year, or other forms of association between a teacher and a group of students.

There are persons responsible with guidance of students on each year and group, and tutors among students who, among other things, have the task of ensuring the career orientation of students. In addition, there is the activity of Vocational Guidance Center at the university level.

Annex B.1.1.1.c - Report of Proffessional Orientation Center

B. 3 Scientific research activity

B.3.1. Research programs

B.3.1.1. Research programming

Min: Long-term strategy and medium / short term programs on research are adopted by the Senate and Faculty councils, at the same time with mentioning the practices to obtain and allocate resources for implementation and the procedures for valorisation.

Ref.1: Research programming takes into account and operates within national framework, on competitiveness and valorisation. The research is relevant and predominantly national.

Ref.2: Programming and implementation of research refer to the European and global framework.

Annex B.3.1.1 - The University Strategic Plan

Annex A.1.1.1.c - Self- assessment report on scientific research activity

Annex A.1.2.2.a - Strategic plan 2008 – 2011

B.3.1.2. Carring out the research

Min: Research has financial resources, logistics and human resources sufficient to achieve objectives

Ref.1: There is a climate and academic culture strongly focused on research, evidenced by the number of research grants, publications and by cognitive and technological transfer through consulting, scientific parks etc.

There are schools for training young doctoral researchers.

Ref.2: There is the certification of accomplishing standards of quality or excellence in scientific research, in terms of organization manner, tracking the development of research projects, internal approval of their results and removing the practices inconsistent with ethics.

Annex B.3.1.2.a - Research Laboratories

Annex B.3.1.2.b - Doctoral School

Annex B. 3.1.2.c - Centers of Research / Excellence

B.3.1.3. Using the research outcomes

Min: Research is emphasized by: publications for teaching purposes, scientific publications, technology transfer through consulting centers, scientific parks or other structures for valorisation, making new products etc. Each teacher and researcher has annually at least an publication or a teaching or scientific achievement.

In areas such as Medical sciences, Agricultural sciences, Technical sciences, Architecture, Urban Planning etc. where research outcomes are exploited through the development of new

products, infrastructure development or environmental protection, will be taken into account these results.

Ref.1: The results of research are valued at national level through awards, evocation, quotation, etc. Publications, patents, far-reaching works, etc. are listed in international databases.

Annex B.3.1.3.a - Capitalization of research

Annex B.3.1.3.b - Scientific Conferences organized at the university

Annex B.3.1.3.c - Awards and medals

B.4 – Financial activity of the organization

B.4.1. Budget and accounting

B.4.1.1. Budget and accounting

Min: The institution has an annual budget of incomes and costs approved by the Senate and rigorously respected. The salaries costs within a higher education institution must not exceed in each year the percentage of total income that assures a sustainable operation. Student tuition fees are calculated according to average costs per year of school education in public education, financed by the budget at Bachelor, Master or Doctoral programs. This fees are brought to students' knowledge by different means of communication. Students are informed about possibilities to be supported by the institution and how the fees are used.

Annex B.4.1.1.a – Budget for 2008

Annex B.4.1.1.b. School fees

B.4.1.2. Accounting

Min: To obtain and conserve the accreditation, the institution must demonstrate the organization and operation of their accounts, through the inventory register, account balance sheet, the implementation of the budget and annual report, which shows that the costs are in concordance with applicable laws, income received and their destination, and the non-profit character of the institution.

Ref.1: The accounting system is computerized and permanently transparent.

Annex B.4.1.2.a - Accounting documents

Annex B.4.1.2.b – Patrimonial account

Annex B.4.1.2.c – Account of budget execution

Annex B.4.1.2.d – Expenditures details

Annex B.4.1.2.e – Analysis report based on balance sheet

Annex C.6.1.1 – Department of Communication Management

B.4.1.3. Audit and public responsibility

Min: To obtain and conserve the accreditation status, the institution financial activity must take internal and external audits. Account Balance sheet, the budget implementation and the outcomes of external audits of financial statements are made public in the analysis conducted by the Senate.

Annex A.1.1.3.a – The plan of internal public audit 2009

Annex A.1.1.3.b - Report of internal public audit 2008

C. Quality management

C.1. Strategies and procedures for quality assurance

C.1.1. Structures and policies for quality assurance

C. 1.1.1. Organization of quality assurance system

Min: The institution has a Central committee and Committees on study programs that works in an integrated manner.

Ref.1: The Commission promotes within institution a quality culture.

Annex C.1.1.1.a – Procedure regarding organization manner and operating of Commision for Quality Assessment and Assurance, CEAC

Annex C.1.1.1.b – Decision regarding the aproval of nominal competencies of Commision for Quality Assessment and Assurance, CEAC

Annex C.1.1.1.c – Decision regarding the aproval of nominal competencies of Sub - Commision for Quality Assessment and Assurance

Annex C.1.1.1.d – Decision regarding the nomination of responsables of Bachelor programs, Master programs and post university Master programs, starting with year 2008/ 2009

Annex C.1.1.1.e – Status of Department for Quality Assessment and Assurance, DEAC

Annex C.1.1.1.f - Operating regulation of Department for Quality Assessment and Assurance, DEAC

www.calitate.tuiasi.ro

Ref.2: The Committee develops activities to establish the quantitative and qualitative bench-marks in comparison with other universities from our country and abroad, in order to assess and monitor quality. The university participated in MATRA NEQ project, after which was published by ARACIS, a code of best practices for Quality Assurance departments. Also, CEAC and DEAC members also attend international scientific conferences on quality.

Annex C.1.1.1.g. - External realtions of Commision for Quality Assessment and Assurance, CEAC

C. 1.1.2. Policies and strategies for quality assurance

Min: There is a policy program of the university focused on quality, where are given the means for quality achieving .

Annex C.1.1.2.a - Policies regarding quality

Ref.1: Each policy corresponds with the strategy of making concrete stipulations and deadlines.

Annex A.1.2.2.a - Strategic plan 2008 – 2011

Annex A.1.2.2.b - Operational Plan 2006

Annex A.1.2.2.c - Operational plan 2007

Annex A.1.2.2.d - Operational plan 2008

Annex A.1.2.2.e - Operational plan 2009

Annex C.1.1.2.a - Policies regarding quality

Annex C.1.1.2.b – Rector Statement on quality

C.2. Procedures regarding initiation, monitoring and periodicall reviewing of study programs and other activities

C.2.1. Approving, monitoring and periodicall assessment of study programs and of corresponding diplomas

C.2.1.1. Existence and applying of regulations regarding initiation, monitoring and periodicall reviewing of study programs

Min: Regulation exists and it is applied

Ref. 1: Regulation is associated with a system for monitoring the study programs, based on information and data.

Annex C.2.1.1.a - The procedure for initiation, approval, monitoring and periodical assessment of study programs

Annex C.2.1.1.b - The procedure for internal assessment

C.2.1.2. Correspondence between diplomas and qualifications

Min: Study programs and diplomas are developed and issued according to academic qualification requirements.

Ref. 1: The study programs are regularly reviewed to meet the dynamics of the academic market and professional qualifications.

Annex C.2.1.1.a - The procedure for initiation, approval, monitoring and periodical assessment of study programs

C.3. Objective and transparent procedures for learning outcomes assessment

C.3.1. Students assessment

C.3.1.1. Our university has regulation regarding students examination and marking which is strictly and consequently applied

Min: There are such a regulations and procedures for consistent application by the programs titular and by students. On the examination participates the titular of the programs and at least one other professor, specialist in the same area.

Ref. 1: The Regulation exist, together with detailed processes / techniques / methods for implementation, as a package of techniques / methods for the students assessment, which are consistently brought to the attention of all those involved.

Annex B.1.2.b - Procedure for examination and marking of students

C. 3.1.2. Integration of examination in the design of teaching and learning process, on courses and study programs

Min: Each course is designed to combine teaching, learning and assessment. The procedures for students assessment are focused on learning outcomes and announced in advance and in detail

Annex B.1.2.a - The procedure for drawing up the curricula

Annex B.1.2.b - Procedure for examination and marking of students

C.4. Procedures for periodicall quality assessment of the academic staff

C.4.1. The quality of academic and research staff

C.4.1.1. The relation between the number of teachers and students

Min: Depending on the specific of the study program, the university determines the relation between the number of teachers and the number of students, which it is considered as being optimal for their own objectives and academic quality. In quality assessment, it is considered that a teacher has the main teaching time within a single university. The University has adopted as reference the relation teachers / students from ARACIS specific standards. This relation is contained in the *Guide for elaborating self- assessment reports for Bachelor programs.*

Annex C.4.1.1.a - Guide for elaborating self- assessment reports for Bachelor programs

C. 4.1.2. Peer - review

Min.: Peer-reviews take place periodically and are based on general criteria and on collegial preferences.

Ref. 1: Peer-reviews are mandatory and periodic. There is, for each department, a committee for annual assessment of research and teaching performance of each teacher / researcher and an annual report on the quality of teaching and research staff.

Annex C.4.1.2. Peer - review procedure

C. 4.1.3. Academic staff assessment by students

Min.: There is a form for teachers' assessment by student, approved by the Senate, which is optionally applied after each semester and the results of which are confidential, being accessible only for the Dean, Rector and the person assessed.

Ref. 1: Assessment by students is mandatory. Outcomes of the teachers assessment by students are discussed individually, statistically processed on departments, faculties, university, and analyzed at the faculty and university level, in order to ensure the transparency and to formulate policies for education quality.

Annex C.4.1.3. The procedure for assessment of teachers by students

C.4.1.4. Assessment by the university management

Min: The teacher makes the self – assessment and is assessed annually by the Head of Department.

Ref. 1: The University has a Form for multicriterial annual assessment of each teacher and a system for performance classification in teaching, research and services brought to institution and community. Promoting the staff members depends on the results of the assessment, and this also considers the results of peer- review and the assessment made by students.

Annex C.4.1.4. The procedure for teachers assessment by management

C. 5. Accessibility of learning resources

C.5.1. Learning resources and students services

C.5.1.1. Availability of learning resources

Min: The University provides learning resources (textbooks,, bibliographic references, anthologies, etc.) for each study program in libraries, resources centers, etc., in classic or electronic format and for free use. The university library should have, in addition to electronic access, a corresponding number of volumes in the country and abroad, and subscriptions to major specialized magazines in the country and abroad for each discipline that defines a study program. Each library has a program and resources to purchase books and magazines.

Ref. 1: The relation between available learning resources and students is established so that each student have access to the resource according to the objectives and study programs.

Annex C.5.1.1.a – Operating regulation of the university Library

Annex C.5.1.1.b1 – General presentation of the university Library

Annex C.5.1.1.b2 – Distribution of funds of communication documents and equipments

Annex C.5.1.1.b3 - Library staff

Annex C.5.1.1.c1 – Periodically subscriptions

Annex C.5.1.1.c2 - International exchange of books

Annex C.5.1.1.d –Library software

C.5.1.2. Teaching as a learning source

Min: Each teacher has teaching strategies, up to date, for each course, in accordance with the study program, the students' characteristics, the education and the predefined quality criteria.

Annex B.1.2.a - The procedure for drawing up the curricula

C. 5.1.3. Motivation and recovery programs

Min: The university has programs for stimulating students with high performances and for recovery of those with learning difficulties. Were stimulated students who participated and were awarded at professional contests, at local and national phases, and students who attended scientific seminars. University supports students from children homes and students who have learning difficulties, whenever they need help.

Annex C.5.1.3 - Procedure to stimulate students

C. 5.1.4.Students services

Min: The University has a minimum number of social, cultural and sports services for students such as: accommodation space for at least 10% of students, sports base, various counseling services, which have an efficient administration.

Ref. 1: The University provides various services for students and has special programs to ensure the quality of life, which is periodically monitored and evaluated.

Anexa C.5.1.4.a – Functions and objectives of Social Services Department

Anexa C.5.1.4.b – Medical office

Anexa C.5.1.4.c – Sport facilities

C. 6. Database systematically updated, related to internal quality assurance

C.6.1. Information systems

C.6.1.1. Databases

Min: The institution has a system that facilitates the collection, processing and analysis of relevant data and information to assess and ensure the institutional quality.

Ref. 1: In addition to data and information regarding the status of the institutional quality, the university collects information about the quality of other universities within country and abroad, to which it is compared and based on which are established the benchmarks.

Annex C.6.1.1 – Department of Communication Management

Annex C.1.1.1.q. - External realtions of Commision for Quality Assessment and Assurance, CEAC

C. 7. Transparency of public information on the available study programs,certificates, diplomas and qualifications

C.7.1. Public information

C.7.1.1. The offer of public information

Min: The University and all its faculties offer information and data, quantitative and / or qualitative, up to date and accurate information about qualifications, study programs, diplomas, teaching and research staff, facilities for students, and about any issues of interest to the public in general and for students, in particularl.

Annex C.7.1.1 – Procedure of organization of activities concerning international relations

Annex B.1.1.1.c - Report of Proffessional Orientation Center

C. 8. The functionality of quality assurance structures, according to low

C.8.1. The institutional structure for education quality assurance is in accordance with the legal stipulation and operates operating

C.8.1.1. The Commission is coordinating the procedures implementation and quality assurance and assessment

Min: The procedures and the activities for quality assessment of education were developed and approved by Academic Senate. The Commission prepares the annual report of internal assessment and makes it public, including in electronic form, and formulates proposals for improving the education quality.

Ref. 1: The institution is permanently implementing measures to improve the quality of education and cooperates with other universities from our country or abroad, to identify and adopt the best practices in the quality areas. DEAC and CEAC members participate in various programs and international events that facilitate the information exchange in the quality area.

Annex C.8.1.1.a – Annual report 2007 regarding quality

Annex C.8.1.1.b – Annual report 2008 regarding quality

Annex C.1.1.1.q. - External realtions of Commision for Quality Assessment and Assurance, CEAC

www.calitate.tuiasi.ro

IX. Presentation of measures to ensure the accuracy, completeness and reliability of the disseminated information by the institution

Report of institutional self assessment was conducted in accordance with the Guide of developing the institutional self assessment report, code UTI.GHID.03, approved by Senate Bureau from 14 of April, 2009.

All information has been official requested from the leadership of the faculties, departments, services, offices, etc, in accordance with the allocation of quality responsibilities. This information has been centralized in a uniform manner, at the DEAC headquarter, where they were analyzed, processed and summarized by DEAC members and the faculties representatives in DEAC.

A first form of the report was under review of Senate members and faculties representatives in DEAC.

Final report was approved by the University Senate on 14 April, 2009.

Annex IV.1.a – Decision regarding allocation of responsibilities in quality area

Annex IV.1.b – Synthesis of responsabilities in quality area

Annex IV.1.c – Customization of responsibilities in quality area

X. SWOT analysis for all activities area of the institution

A. INTERNAL ENVIRONMENT

1. STRENGTHS

1.1. The University Senate is always considering the quality assurance issue. Efforts are being made to establish a system of quality assurance and academic excellence in teaching, research and education, system based on criteria and methodology consistent with those in European countries.

1.2. The "Gheorghe Asachi" Technical University of Iasi promotes a process based approach for the development, implementation and improvement of the effectiveness of the quality management.

1.3. There is a Commission for Quality Assessment and Assurance and sub commissions on faculties, which operate permanently.

1.4. The Committee of Quality Assessment and Assurance made efforts, and obtained unique results in our country, to identify and analyze the processes involved in the education quality, their documentation, testing, evaluation and continuous improvement.

1.5. The University has a strategic plan on medium term (2008-2011) and annual operational plans, which are subject of public discussion within the academic community, are approved by the Senate and communicated in the university.

1.6. There are implemented procedures for initiating, approving and monitoring the study programs. The internal assessment procedure has been implemented and validated by 100% positive results given by external assessment conducted by the Romanian Agency for Quality Assurance in Higher Education, ARACIS.

1.7. There were identified and assigned by the Senate Decision, responsibilities in quality area. These are explained through the synthesis of responsibilities on hierarchical levels and management positions, and through detailing responsibilities by criteria, standards and performance indicators.

1.8. A sufficient number of teachers, with highly specialized skills, the majority having the title of doctor in science, including members of the Romanian Academy, the Academy of Technical Sciences, of many research institutions from Romania and abroad;

1.9. There are implemented mechanisms for periodic assessment and monitoring of teachers performances. These are regularly adapted to the needs of qualitative teaching process and continuous training improvement for future graduates.

1.10. The University has well articulated regulations regarding scholarships granting (including the social ones), spaces of accommodation in students hostels, places in students camps.

1.11. The University has a rich library, periodically updated. Also, through the Central University Library it is possible the on-line access to articles published in specialized magazines and other publications, both products of the best international publishing houses. Through the computer networks of the university, which include sufficient computers, students have access to many other open-sources. Also, both in their own efforts and through the Communications Center, the entire academic community (teachers, students, administrative staff) has permanent access to Internet.

1.12. The results of fundamental and applicative research carried out within grants / research projects, international co-operation, doctoral schools or in student scientific circles, are consistent. It became a tradition that the number of published books, participation in congresses / conferences / symposiums, articles published in international journals of prime importance, etc., to grow every year. It can be seen an increasingly participation of young teachers, master, and doctoral students and students in last years, in these research activities.

1.13. A broad network of relationships of international cooperation based on partnership agreements.

2. WEAKNESS

2.1. The University has communication systems in the administrative activity, but they are not integrated and do not facilitate the collection, processing and analysis of information relevant to assessing and ensuring institutional quality of university.

2.2. The number, still small, of study programs in international languages.

2.3. A reduced efficiency of specialized technological practice for students because of low interest of companies in using the practice stage in order to recruit students after their graduation.

2.4. An activity, yet sporadic, of periodic assessment of disciplines / programs of study at the department and faculty council level.

2.5. The method of candidates selection for admission, does not allow registration of the best high school graduates.

2.6. The lack of interest on educational marketing activities.

2.7. The tracking of the professional evolution of graduates in the labor market was made only occasionally, through indirect information.

2.8. Relatively weak involvement of students in joint activities (research, design, production) among teachers.

2.9. The "aging" of didactic staff members, reason that led to funding loss, according to qualitative indicator referring to the number of teachers under the age of 35 years.

2.10. Equipment of technical laboratories does not meet current standards, the modernization efforts being limited because to reduced investment funds.

2.11. Professional practice is conducted with some problems, because it is not yet established a corresponding organizational framework: guiding for practice, tutorials, agreements with enterprises, so that the insufficient accumulation of practical skills is inducing difficulties in integrating in work environment of university graduates.

2.12. The systems of students' knowledge assessment are mostly classical, based on quantitative accumulation, especially during the exam sessions. Assessment system based on periodic tests, practical activities, reports and papers would broaden the active training period, with final results much improved.

B. EXTERNAL ENVIRONMENT

3. OPORTUNITIES

3.1. The Romanian economic environment is in full restructuration but showing distinct tendencies of stabilization and development so the necessary of high technical training can be structured and foreseen, data that creates the chances of a dynamic and continuous approach of the offer.

3.2. The opening of the lines of financing from European structural founds offers the possibility of acquisition of new teaching and research equipment.

3.3. The national program for research-development-innovation offers important opportunities of co-operation at university level, with a major effect upon the growing of the performances in teaching and in research.

4. THREATS

4.1. Unlimited term extension of universities classification, which allows institutions of higher education, both private and state owned, to organize academic programs which are not up to the quality educational policy of the Ministry of Education, Research and Innovation.

4.2. Drastic decrease of the of potential students number because of multiple factors (demographic decline after 1990, migration to Romanian universities in other regions with higher economic development then the North-East Region, migration to the EU countries where their parents work, etc).

4.3. Decrease of the number of jobs in industry, as a result of economic recession.

4.4. The slow rhythm of development of labor market in Romania, but especially in the North-East Region, will lead to migration of labor force and graduates of first cycle of university studies, towards the offer made by countries from the EU.

4.5. The entrance on the Romanian education market of some universities from the EU countries, with similar offer, will lead to the diminishing of the number of potential candidates.

4.6. Emphasizing, in the next few years, of the negative effects of economic crisis, by reducing the population income, and thereby, of the availability and will to access university programs or postgraduate programs with fees.

OPIS ANNEXES

Annex A.1.1.1.a - University Charter

Annex A.1.1.1.b - Didactic and research mission for study programs

Annex A.1.1.1.c - Self- assessment report on scientific research activity

Annex A.1.1.1.d – Research plans on domains

Annex A.1.1.2.a - Code of Ethics

Annex A.1.1.2.b – Procedure regarding how the Commission of Ethics operates

Annex A.1.1.2.c – Annual report of the Commission of Ethics

Annex A.1.1.3.a – The plan of internal public audit 2009

Annex A.1.1.3.b - Report of internal public audit 2008

Annex A.1.2.1.a - Procedure regarding election of university managers

Annex A.1.2.1.b – Procedure regarding operating of structures and management position

Annex A.1.2.2.a - Strategic plan 2008 – 2011

Annex A.1.2.2.b - Operational Plan 2006

Annex A.1.2.2.c - Operational plan 2007

Annex A.1.2.2.d - Operational plan 2008

Annex A.1.2.2.e - Operational plan 2009

Annex A.1.2.3.a - Organization chart

Annex A.2.1.1.a - Inventory of furniture patrimony

Annex A.2.1.1.b - Capacity of educational spaces

Annex A.2.1.1.c – Investments projects

Annex A.2.1.2.a – Endowment of specialized laboratories with technical equipment

Anexa A.2.1.2.b - Endowment with software

Annex A.2.1.2.c - Endowment of teaching laboratories

Annex A.2.1.2.d – Endowment with technical equipment for learning, teaching and communication

Annex A.2.1.3 – Budget – estimation 2009 – 2012

Annex A.2.1.4 – Regulation for scholarships granting

Annex B.1.1.1.a - Procedure for admission at Bachelor studies

Annex B.1.1.1.b - Procedure for admission at Master studies

Annex B.1.1.1.c - Report of Proffessional Orientation Center

Annex B.1.2.a - The procedure for drawing up the curricula

Annex B.1.2.b - Procedure for examination and marking of students

Annex. B.1.2.2 - Curricula – Civil Engineering and Building services - day / evening

Annex B.3.1.1 - The University Strategic Plan

Annex B.3.1.2.a - Research Laboratories

Annex B.3.1.2.b - Doctoral School

Annex B. 3.1.2.c - Centers of Research / Excellence

Annex B.3.1.3.a - Capitalization of research

Annex B.3.1.3.b - Scientific Conferences organized at the university

Annex B.3.1.3.c - Awards and medals

Annex B.4.1.1.a – Budget for 2008

Annex B.4.1.1.b. School fees

Annex B.4.1.2.a - Accounting documents

Annex B.4.1.2.b – Patrimonial account

Annex B.4.1.2.c – Account of budget execution

Annex B.4.1.2.d – Expenditures details

Annex B.4.1.2.e – Analysis report based on balance sheet

Annex C.1.1.1.a – Procedure regarding organization manner and operating of Commision for Quality Assessment and Assurance, CEAC

Annex C.1.1.1.b – Decision regarding the aproval of nominal competencies of Commision for Quality Assessment and Assurance, CEAC

Annex C.1.1.1.c – Decision regarding the aproval of nominal competencies of Sub - Commision for Quality Assessment and Assurance

Annex C.1.1.1.d – Decision regarding the nomination of responsables of Bachelor programs, Master programs and post university Master programs, starting with year 2008/ 2009

Annex C.1.1.1.e – Status of Department for Quality Assessment and Assurance, DEAC

Annex C.1.1.1.f - Operating regulation of Department for Quality Assessment and Assurance, DEAC

Annex C.1.1.1.g. - External realtions of Commision for Quality Assessment and Assurance, CEAC

Annex C.1.1.2.a - Policies regarding quality

Annex C.1.1.2.b – Rector Statement on quality

Annex C.2.1.1.a - The procedure for initiation, approval, monitoring and periodical assessment of study programs

Annex C.2.1.1.b - The procedure for internal assessment

Annex C.4.1.1.a - Guide for elaborating self- assessment reports for Bachelor programs

Annex C.4.1.2. Peer - review procedure

Annex C.4.1.3. The procedure for assessment of teachers by students

Annex C.4.1.4. The procedure for teachers assessment by management

Annex C.5.1.1.a – Operating regulation of the university Library

Annex C.5.1.1.b1 – General presentation of the university Library

Annex C.5.1.1.b2 – Distribution of funds of communication documents and equipments

Annex C.5.1.1.b3 - Library staff

Annex C.5.1.1.c1 – Periodically subscriptions

Annex C.5.1.1.c2 - International exchange of books

Annex C.5.1.1.d –Library software

Annex C.5.1.3 - Procedure to stimulate students

Anexa C.5.1.4.a – Functions and objectives of Social Services Department

Anexa C.5.1.4.b – Medical office

Anexa C.5.1.4.c – Sport facilities

Annex C.6.1.1 – Department of Communication Management

Annex C.7.1.1 – Procedure of organization of activities concerning international relations

Annex C.8.1.1.a – Annual report 2007 regarding quality

Annex C.8.1.1.b – Annual report 2008 regarding quality

Annex IV.1.a – Decision regarding allocation of responsibilities in quality area

Annex IV.1.b – Synthesis of responsabilities in quality area

Annex IV.1.c – Customization of responsibilities in quality area

Annex VII.1.a – Gazette no. 284 from 08. 121937_UT Iasi

Annex VII.1.b - HG no. 209 from 17 Mai 1993_UT Iasi

Annex VII.1.c – HG 635-2008 regarding universities structure

Annex VII.1.d – The number of international mobilities

Annex VII.2 – The Standard Operating Procedures Manual

Annex VII.3 - University management structure 2008 - 2012

Annex VII.4.a. List of didactic staff

Annex VII.4.b - Occupation degree of didactic staff

Annex VII.4.c - Occupation degree of retired didactic staff

Annex VII.4.d - Associated didactic staff

Annex VII.4.e – Status of teacher education and training of Assistant Professors

Annex VII.5.a – Presentation of the university Publishing House

Annex VII.5.b – Presentation of the university Typography

Annex VII.6.a – Treasury account

Annex VII.7.a - Procedure for organizing the didactic activities for Bachelor programs

Annex VII.7.b - Procedure of completion the Bachelor programs