INSTITUTIONAL INTERNAL

EVALUATION REPORT

IAȘI
25 JUNE 2021

"Gheorghe Asachi" Technical University of Iaşi	The Romanian Agency for Higher Education Quality Assurance
Registration no. ……	Registration no. …..…/….....

UNIVERSITATEA TEHNICĂ
„GHEORGHE ASACHI" DIN IAŞI
REGISTRATURA GENERALĂ
Nr. 16 101, 16·06 20 21 -2-

INSTITUTIONAL INTERNAL

EVALUATION REPORT

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This **Report** was approved by the university Senate following the **institutional internal evaluation** procedure. The data contained by the **Report** are complete, accurate and in compliance with the principles of university ethics.

Rector,
Prof. Dan CAŞCAVAL, PhD eng.

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I. UNIVERSITY PRESENTATION

I.1. Legal organisational and functioning framework, address

"Gheorghe Asachi" Technical University of Iaşi (TUIASI) is an accredited state-funded institution of higher education and advanced research. Since its establishment in 1937, it ran without interruption under other names, as well, such as "Gheorghe Asachi" Polytechnic School (*Anexa A.1.1.1.a Monitorul Oficial nr. 284 din 08.12.1937*) and "Gheorghe Asachi" Polytechnic Institute (1948). The new name dates back to 1993 (*Anexa A.1.1.1.b HG nr. 209 din 17 mai 1993*), and the current structure is regulated by Government Decision no. 403/ 31.03.2021 and Government Decision no. 385/ 31.03.2021 (*Anexa A.1.1.1.d Structura universitatii 2021-2022*).

I.1.a Address and identification data

- "Gheorghe Asachi" Technical University of Iaşi headquarters are at Bulevardul Prof. Dimitrie Mangeron nr. 67, 700050, Iaşi.
- University website: *https://www.tuiasi.ro/*
- Facebook page: *https://www.facebook.com/TUIasiRO*
- Youtube page: *https://www.youtube.com/channel/UCHvxYcVM2OWTv_ONKOgOL0Q*
- LinkedIn page: *https://ro.linkedin.com/school/universitatea-tehnic%C4%83-%E2%80%9Egh.-asachi%E2%80%9D-din-ia%C8%99i/*
- Instagram: *https://www.instagram.com/tuiasi.ro/*
- The University has the following emblems:
  - OSIM-registered trademark logo, seal, emblem and coat of arms established by the TUIASI Senate (*Anexa A.1.1.2. Carta TUIASI E4R3*);
  - TUIASI flag;
  - TUIASI University Day: 15 November.

I.2. University Mission

"Gheorghe Asachi" Technical University of Iaşi is an advanced research and education university whose mission is to carry out activities pertaining to specific research, innovative use of knowledge and its transfer to society in the fundamental areas of Engineering sciences, Architecture and Urban Planning, as well as in inter-disciplinary and complementary fields, in the local community, at the regional, national and international level.

TUIASI University mission is stated in the University Charter, which was approved through Senate Decision no. 01/ 19.01.2018 (*Anexa A.1.1.2.a Aprobare HS Carta 2018*) and approved by

the General Legal Directorate of the Ministry of Education and Research, no. 24531/ 25.01.2018 (*Anexa 1.1.2.b Aprobare MEN Carta TUIASI*). TUIASI Charter is available to the community at the university webpage: *http://www.calitate.tuiasi.ro/Carta%20TUIASI_E4R3.pdf*

The mission contains the following provisions in compliance with national legislation and European Higher Education Area principles:

For the creation and innovative use of knowledge, the university takes on the following:

a) passing on knowledge to the new generations, professional training through Bachelor's, Master's, doctoral and post-doctoral study programmes, stimulating thought and creativity, which assure real chances in the labour market competition; at the same time, the university speaks to society as a whole with the purpose of permanent education and training, in accordance with the development of science and technology in the world;

b) conducting research, development, innovative and technological transfer work, using and disseminating the results of these activities as inseparable parts of the teaching and training process in order to contribute to the sustainable evolution towards a society of knowledge.

Main instruments for accomplishing the university mission:

a) selecting the members of teaching and/or research staff and founding its status on the basis of the principle that research is inseparable from teaching;

b) assuring and guaranteeing the required freedoms and conditions so that students of all study cycles, as well as teaching staff, meet their professional and cultural training objectives;

c) encouraging teaching staff, researcher and student mobilities to other universities, at the national and international level, for research, mutual information exchange and developing common scientific initiatives, applying a general studies and titles equivalency policy, keeping the traditions and historic origins of education at "Gheorghe Asachi" Technical University of Iaşi;

d) developing collaboration partnerships with the economic environment and/or research institutes to contribute to the students' training in accordance with the requirements of socio-economic development.

According to the Charter provisions, "Gheorghe Asachi" Technical University of Iaşi takes on an initial and perpetual teaching mission; a research and knowledge transfer mission; a regional, national and international development mission (*Anexa A.1.1.1.e Misiunea didactica si de cercetare prog. studii*), for all study programmes offered through the current structure regulated by Government Decision no. 403/ 31.03.2021 and Government Decision no. 385/ 31.03.2021 (*Anexa A.1.1.1.d Structura universitatii 2021-2022*).

To fulfil its mission, strategic objectives were established and adopted, included in the multi-annual strategic plans (*Anexa A.1.2.2.a Plan strategic TUIASI 2016-2019*) and (*Anexa A.1.2.2.b Plan strategic TUIASI 2020-2024*).

I.3. Brief history of "Gheorghe Asachi" Technical University of Iaşi

The cultural tradition of the city of Iaşi also includes an interest in engineering higher education. Thus, in 1562, the first attempt to lay the foundations of higher education took place in Moldavia by establishing the Latin School of Cotnari.

"Gheorghe Asachi" Technical University of Iaşi has the oldest tradition of engineering higher education in Romania, continuing an "engineering and land surveying class in the Romanian language" established by Gheorghe Asachi at the Greek Academy of Iaşi (The Princely Academy) on November 15, 1813, through a decree signed by Scarlat Calimachi. This school can be considered the nucleus of technical higher education in Moldavia, continued in 1834-1847 by the Michaelian Academy and, at a later date, at the University of Iaşi through the School of Industrial Electricity (starting with 1910), The Electrotechnics Institute (1912) and the Technological Chemistry Department (starting with 1911). On November 7, 1912, the Faculty of Sciences of the University of Iaşi was transformed in an independent higher education section for the teaching of electrotechnics, applied chemistry and agricultural science. This event is the "birth certificate" of what will later become "The Polytechnic Institute of Iaşi" (today's "Gheorghe Asachi" Technical University of Iaşi). A decisive moment in the technical university's history is the Ministry of National Education's Decision no. 205.660/December 3, 1937, by which technical higher education was removed from the aegis of Iaşi University through the establishment of "Gh. Asachi" Polytechnic of Iaşi as a separate institution of engineering higher education, the only institution of higher education habilitated to award the title of engineer at the time. The Polytechnic School began its activity on October 1, 1938, comprising three faculties: Industrial Chemistry, Electrotechnics and Agricultural Science, among which the first two were based in Iaşi and the third one in Chişinău. The first diplomas were issued in 1940. Through the educational reform of 1948, "Gh. Asachi" Polytechnic Institute of Iaşi was established, comprising four faculties and ten specialisations: Industrial chemistry (mineral chemistry, leather processing), Civil Engineering, Electrotechnics, Mechanics (thermodynamic engineering, hydrotechnics, machine manufacturing, naval air engineering) with a five-year duration of studies.

The Polytechnic Institute of Iaşi ran, until 1990, with six faculties and many newly-established specialisations. In 1990 four new faculties were created, stemming from the faculties of Electrotechnics and Mechanics.

In 1993, the name "The Polytechnic Institute of Iaşi" was replaced with "Gheorghe Asachi" Technical University of Iaşi. In 2004, the architecture section from the Faculty of Civil Engineering and Building Services became "G.M. Cantacuzino" Faculty of Architecture and ever since, eleven faculties have been part of TUIASI (Table 1).

Starting with 2005, the educational system is organized according to the Bologna principles, as follows: *Bachelor's programmes* (4 years for engineers and 6 years of integrated studies for

architects), *Master's programmes* (2 years), *PhD programmes* with a pronounced applicative and research character, with a duration of 3 years, post-doctoral programmes and post-graduate lifelong training courses.

Other details regarding the university's historical development are provided in ***Annex 1.7. Historical Dates Overview.*** (*Anexa A.1.1.1.b.1 Breviar de date istorice*).

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

Ref. no.	Faculty	Year of establishment	*http://*
1.	Automatic Control and Computer Engineering	1990	*https://ac.tuiasi.ro/*
2.	Chemical Engineering and Environmental Protection	1937	*www.ch.tuiasi.ro*
3.	Civil Engineering and Building Services	1941	*www.ce.tuiasi.ro*
4.	Machine Manufacturing and Industrial Management	1990	*www.cm.tuiasi.ro*
5.	Electronics, Telecommunications and Information Technology	1990	*www.etc.tuiasi.ro*
6.	Electrical Engineering, Energetics and Applied Informatics	1937	*www.ee.tuiasi.ro*
7.	Hydrotechnics, Geodesy and Environmental Engineering	1962	*https://hgim.tuiasi.ro/*
8.	Mechanics	1948	*www.mec.tuiasi.ro*
9.	Materials Science and Engineering	1990	*www.sim.tuiasi.ro*
10.	Industrial Design and Business Management	1952	*www.tex.tuiasi.ro*
11.	Architecture – "G. M. Cantacuzino"	2003	*http://www.arhitectura.tuiasi.ro/*

I.4. "Gheorghe Asachi" Technical University of Iaşi at the present time

"Gheorghe Asachi" Technical University of Iaşi has a very important research dimension, being recognized in 2011 as an advanced research and education institution, constantly focused on interdisciplinary research, innovation and the transfer of knowledge.

Increasing the quality of research staff and involving them in reaching a high-level performance constitute a constant preoccupation of research activities and our university's recognition and visibility at the national and international level.

There are 24 for research/excellence centres accredited at out university (CNCSIS accreditation) and 7 research teams at faculty level, a RENAR accredited laboratory, as well as successful high-performance laboratories focusing on scientific research, the creation and transfer of knowledge.

These research centres and laboratories allow the research staff to apply for national and international research grants, research contracts with the industry or with governmental organisations; at the same time, they develop doctoral and post-doctoral research programmes, their activity placing our university in the Romanian top of scientific research.

The Iaşi School of Inventions has a tradition of over 45 years at TUIASI and has created many of the patents obtained in Romania in the past years.

The management and monitoring of research and innovation activities is done by the Vice-Rectorate for Scientific Research and the Directorate for the Management and Monitoring of Projects (DMMP).

In 2015 "Gheorghe Asachi" Technical University of Iaşi was institutionally evaluated by ARACIS, a "*high degree of confidence*" certificate being issued by the ARACIS Council.

In 2009 TUIASI was accredited as a component of the Research and Development System of national interest, according to Government Decision 551/2007 confirmed by the National Authority for Scientific Research through ANCS decision no. 9708/29.07.2009 (Annex 2) as a result of the evaluation of performance standards at the level of the National Higher Education Research Council.

"Gheorghe Asachi" Technical University of Iaşi position in the Webometrics visibility platform, 2014 – 2020

The analysis of Webometrics visibility ranking of universities worldwide, from Europe and Romania, for the evaluated period, confirms the Top 100 inclusion of **"**Gheorghe Asachi" Technical University of Iaşi (**Table 1.2**.).

Table 1.2. *TUIASI position in the Webometrics visibility ranking*

UT Iaşi position	2014	2015	2016	2017	2018	2019	2020
In the ranking of universities worldwide: Top 12000	1218	1248	1419	1614	1692	1569	1586
In the ranking of universities worldwide in Europe and Central Asia: Top 100	66	57	75	82	81	80	93
In the ranking of universities in Romania	4	4	5	6	5	6	7
In the ranking of technical universities in Romania	3	2	3	4	3	2	2

Sources: Regional and Global Ranking of world universities January 2013; January 2014; January 2015; January 2016, January 2017, January 2018, January 2019, January 2020; *http://www.webometrics.info/ ; QS "Emerging Europe and Central Asia" University Ranking 2021; https://www.topuniversities.com/university-rankings/eeca-rankings/2021*.

The positions occupied by "Gheorghe Asachi" Technical University of Iaşi in the Webometrics visibility platform for universities worldwide from Europe, Central Asia and Romania shows that the university constantly occupies one of the first three spots in the top of technical universities in Romania and one of the first 7 spots in the general top of Romanian universities.

I.5. Faculties and departments

According to Government Decision no. 403/2021, "Gheorghe Asachi" Technical University of Iaşi comprises 11 faculties, to which the Teacher Training Department (DPPD) is added, reporting directly to the university leadership. The structure of academic programmes organized at the level of faculties currently consists of 61 Bachelor's study programmes and 15 Master's programmes (comprising 70 study programmes) (*Anexa A.1.1.1.d Structura universitatii 2021-2022*)**.**

I.5.1. Faculty of Automatic Control and Computer Engineering

The first Automatic Control (1959) and Computer Engineering (1963) classes were introduced in the Faculty of Electrotechnics curricula. In 1977, as a result of the development of these new branches of science and of the teaching staff's growing experience in these fields, a separate academic programme was established in the area of automatic control and computer engineering. In 1990, the group of professors specializing in the areas of Automatic Control and Computer Engineering from the Faculty of Electrotechnics started the Faculty of Automatic Control and Computer Engineering. The faculty has two departments: the Computer Engineering Department and the Automatic Control and the Applied IT Department. The faculty's educational process provides academic training for three Bachelor's academic programmes (4-year duration), two Master's areas of study with six programmes (2-year duration) and doctoral studies (3-year duration). The faculty also organizes postgraduate and life-long learning training classes.

Doctoral studies within the AC Doctoral School take place in the System Engineering and Computer Engineering and Information Technology areas of study.

Scientific research takes place in four research centres:

- System Engineering and Information Technology, coordinated by prof. Octavian Păstrăvanu, PhD eng.; it continues the activity of the Theory and Engineering of Systems Excellence Centre which exists on the basis of certificate no. 2CE/ 13.05.2005;

- Intelligent Equipment and Programmes, coordinated by prof. Florin Leon, PhD eng.; CNCSIS establishment certificate type C no. 91/ 2.06.2005;

- Automatic Control and Technical Informatics, coordinated by prof. Alexandru Onea, PhD eng., CNCSIS establishment certificate type C no. 81/ 2.06.2005;

- Cloud Technologies, Big Data applications and the Internet of Things, chief coordinator lecturer Cristian-Mihai Amarandei, PhD eng., established in 2018 through Decision no. 267/ 28.09.2018 of "Gheorghe Asachi" Technical University of Iași Senate.

Scientific research is based on the participation to funding competitions for national and international grants and the collaboration of the teaching staff with companies in the industry.

Relationships with external partners takes place through bilateral agreements within the Erasmus+ programmes, research programmes with university partners and research centres abroad and by organizing and participating to international scientific events (*http://www.ac.tuiasi.ro/*).

I.5.2. "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection

"Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection originated as a part of the Chemistry Department of the Faculty of Science of the University of Iași, founded in 1860. Later, on December 3, 1937, as a result of the creation of the Polytechnic School, the Faculty of Industrial Chemistry was established. At present, the Faculty of Chemical

Engineering and Environmental Protection comprises 4 departments (Chemical Engineering, Organic, Biochemical and Food Engineering, Environmental Engineering and Management, Natural and Synthetic Polymers) which organize the following Bachelor's study programmes: in the **Chemical Engineering area of study:** Engineering of Inorganic substances and Environmental Protection in the industry, Chemical Engineering, the Chemistry and Engineering of organic substances, Petrochemistry and Carbochemistry, Biochemical Engineering, Polymer Science and Engineering, Paper Manufacturing Engineering, Food Chemistry and biochemical technologies, in the **Environmental Engineering area of study:** Environment Engineering and Protection in industry, and in the **Engineering and Management area of study:** Economic Engineering of the chemical and materials industry. The educational offer for master's training consists of the following study programmes: Polymeric biomaterials and bioresources, Food control and processing, Engineering of non-polluting processes, Pharmaceutic and cosmetic products, Environmental management, Waste management, treatment and recovery and Environmental management and sustainable energy. Doctoral studies are organized for the following areas of study: Chemistry, Chemical engineering, and Environmental Engineering. Scientific research activity takes place in three research centres (Chemical and Biochemical Processes and Engineering and Advanced, Materials, Polymers, Environmental Engineering and Impact Evaluation). The faculty occupied one of the top three positions in "Gheorghe Asachi" Technical University of Iași regarding scientific achievements quantified through articles published in widely circulated ISI-ranked international journals, scientific research contracts won in national competitions, completed habilitation and doctoral theses, partnerships with prestigious universities abroad and the organization of highly visible scientific events. The Faculty promotes an academic and scientific cooperation policy with faculties in the same field worldwide based on bilateral partnership contracts. Collaborative relationships are promoted with education and research institutes abroad, materializing in participation to scientific events, documentation and publication exchanges, the organization of joint seminars, invitations to guest speakers or exchanges etc. (*www.ch.tuiasi.ro*).

I.5.3. Faculty of Civil Engineering and Building Services

The Faculty of Civil Engineering and Building Services emerged on November 13, 1941 based on the decree-law no. 989 published in the Official Gazette no. 270 at the "Gheorghe Asachi" Polytechnic of Iaşi, joining the two other faculties, Industrial Chemistry and Electrotechnics, which had existed since 1938. The tradition in this area is older than this, however, as there had already been a Iaşi School of surveying engineers founded in 1813. Staring with 2005, through Government Decision 216/ 2005, the name was changed to the Faculty of Civil Engineering and Building Services, training qualified specialists in order to conduct the designing and implementation of technical activities in the field of civil engineering and building services.

Within the Faculty of Civil Engineering and Building Services there are the following departments: Concrete, Materials, Technology and Management; Communication ways and foundations; Industrial and Civil Engineering; Building Services; Mechanics of Structures; Graphic communication. The educational offer in the Civil Engineering and Building Services area of study is flexible, capable of supporting the quality framework regarding research, locally and regionally, as well as international integration in accordance with the new labour market demands in the knowledge-and information technologies-based society. Specialized training in foreign languages opens the perspective of the graduates' fast integration in mixed societies at home and abroad.

In the area of Bachelor's studies, the faculty has four specialisations: Civil, industrial and agricultural constructions; Railroads, roads and bridges; Civil engineering – in English, and Building services. For the Master's cycle of studies, the faculty's offer consists in 11 programmes in the field of Civil engineering and building services: Building engineering; Structural Engineering; High-performing construction materials and products; Rehabilitation and the increase of building safety; Modern infrastructures for transportation; Special construction management and technologies; Geotechnical engineering; Real estate valuation and administration; Real estate entrepreneurship; Building services. The Iaşi Faculty of Civil Engineering and Building Services' characteristics are tradition and a high academic standard, as it is one of the most appreciated faculties in the field in the country, its activities being achievement and competition-oriented in both teaching and scientific research areas (*www.ce.tuiasi.ro*).

I.5.4. Faculty of Machine Manufacturing and Industrial Management

The Faculty of Machine Manufacturing and Industrial Management was established at "Gheorghe Asachi" Technical University of Iaşi with the division, in January 1990, of the Faculty of Mechanics, founded in October 1948. Between 1990 and 1993, it ran under the name of Faculty of Machine Manufacturing Technology, between 1993 and 2007 under the name of Faculty of Machine Manufacturing and from 2007, based on Government Decision HG 676/ 28.06.2007, it got its current name.

The faculty takes on the mission of organizing technical higher education and research activities corresponding to the three cycles of study (Bachelor's, Master's and doctoral) with a view to the professional training of competitive workforce specialists. Starting from the stated mission, the study offer in the areas of Industrial engineering (3 Bachelor's programmes and 4 Master's programmes), Mechanical engineering (2 Bachelor's programmes and 1 Master's programme) and Engineering and Management (1 Bachelor's programme and 1 Master's programme). For further doctoral specialised training, the faculty, through the Doctoral Programme Coordination Council, trains doctoral students in the areas of Industrial engineering and Mechanical engineering.

From an administrative point of view, the Faculty structure consists of the following departments: Machine Construction Technology Department, Digital Systems Production Department, Fluid

Mechanics Department, Machines and Hydraulic and Pneumatic Drives, Theoretical Mechanics, Department and the Physics Department.

The faculty's research strategy, conducted by the entire teaching staff, pertains to the current context involving important changes in the economic field, as well as in structures of higher education. The main research priorities are the development of research in close connection with the teaching activities, as well as the collaboration with the members of the national and international community members. The activity of research teams organized at department level has materialized through the publication of scientific articles in specialized journals with high impact and visibility in databases, books and chapters in national and international publishing houses, research based on research contracts and grants, while working on doctoral theses, scientific collaborations with universities and research centres abroad, the organization of conferences, participation to internal and international congresses. At the same time, every year, the faculty publishes two of the sections of the Polytechnic Bulletin of Jassy, the Machine Manufacturing and Mathematics and Theoretical Mechanics. Physics. Also remarkable is the activity of the School for Inventions, resulting in numerous patents, awards and medals won at national and international invention fairs.

The faculty has close cooperation connections as shown in bilateral Bachelor's, Master's, doctoral students and teaching staff exchanges with universities and research institutes in France, Germany, USA, Greece, Portugal, Belgium, Italy, Denmark, Ukraine, UK, Republic of Moldova (*www.cm.tuiasi.ro*).

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

The Faculty of Electronics, Telecommunications and Information Technology (ETTI) of Iași is part of "Gheorghe Asachi" Technical University of Iași, a public institution of higher education and research dedicated to the education of students at three study levels (Bachelor's, Master's and doctoral) and the promotion of science and technology through the dissemination, generation and preservation of the most advanced knowledge in the fields of electronics and telecommunications, as well as the interdisciplinary fields in which electronics and telecommunications play a significant part at the top European and international level. The Faculty of Electronics and Telecommunications of Iași was established through Ministerial Order no. 7751/1990. Starting with the autumn of 2008, the faculty's official name became the Faculty of Electronics, Telecommunications and Information Technology. The faculty has four departments: Bases of electronics, Applied electronics and intelligent systems, Telecommunications and communication systems, and Mathematics-IT respectively. The teaching staff consists of approximately 90 members and about 1500 students and doctoral students are enrolled in the faculty. The Faculty organizes study programmes in the area of Electronic Engineering, Telecommunication and Information Technology as follows: Bachelor's studies: Applied IT, taught in Romanian; Microelectronics, optoelectronics and nanotechnologies, taught in Romanian; Technologies and

Telecommunication Systems, taught in Romanian and English; Master's studies: Advanced Applied Electronics Systems (SAEA), research Master's programme taught in Romanian; Intelligent electronic and industrial IT systems (SEIII), research Master's programme taught in Romanian; Communication Networks (RC), research Master's programme taught in Romanian; Digital Radiocommunications (RD), research Master's programme taught in Romanian; Modern Signal Processing techniques (TMPS), research Master's programme taught in Romanian; Automotive Electronic Control Systems (AECS), professional Master's programmes taught in English; Information Technologies for Telecommunications (IT4T), professional Master's programmes taught in English. There are three nationally and internationally-recognized research centres at the Faculty of Electronics, Telecommunications and Information Technology in Iași with CNCSIS accreditation: The CNCSIS excellence centre for education and Fuzzy Systems research, Intelligent systems and biomedical engineering, under the direction of prof. Horia Nicolai Teodorescu, PhD eng.; PRODATA Signal processing and communications research centre, directed by prof. Goraș, PhD eng. Besides the mentioned research centres, the research activity within the faculty also takes place in several research laboratories (*www.etti.tuiasi.ro*).

I.5.6. Faculty of Electrical Engineering, Energetics and Applied IT

In November 1910, at the Faculty of Science of the University of Iași (the first modern Romanian university, established in 1860), the superior School of Electricity was founded, an absolute first in Eastern Europe. The coordination of this new educational unit was taken on by Dragomir Hurmuzescu, a world-renowned researcher trained in the Sorbonne laboratories, a close collaborator of three Nobel-prize winners. Shortly after establishment, in 1912, this school was transformed into the Electrical Engineering Institute. An important step in the development of electrical engineering education was the founding, in 1938, of the Faculty of Electrical Engineering within the recently established "Gh. Asachi" Polytechnic School. In the same year, 1938, the first doctoral thesis in electrical engineering was publicly defended under the scientific supervision of prof. Ștefan Procopiu, the faculty's first dean, a researcher who had been formerly nominated for a Nobel prize. In 1957 the Electromagnetic engineering specialization was created, transformed, in 1974, in Electrical engineering. Another important moment is the establishment, in 1960, of the Energetic engineering area of study. In its current structure, besides these two areas, since 1995 the faculty has been training specialists in economic engineering (management) and industrial (applied) IT, a specialization established in 2003. At present, this educational offer consists of 8 Bachelor's study programmes in the area of Electrical engineering, Energy engineering and Engineering and management: Power electronics and electric drives; Applied IT in electrical engineering; Instrumentation and data acquisition; Electrical systems; Engineering of electroenergetic systems; Energy management; Energetics and information technology; Economic engineering in the electric, electronic and energetic fields.

The faculty ensures specialised training through two-year Master's programmes in the fields of Electrical engineering, Energy engineering and Engineering and Management.

Doctoral studies are supervised by 21 habilitated members of teaching staff in the areas of Electrical engineering and Energy engineering, while the number of current doctoral students is 95. Research is mainly conducted in the three accredited research centres, financed by government programmes as well as national and European ones, and by contracts supported by the economic environment. (*www.ee.tuiasi.ro*).

I.5.7. Faculty of Hydrotechnics, Geodesy and Environmental Engineering

The Iaşi faculty of Hydrotechnics was founded as a part of the "Gheorghe Asachi" Polytechnic Institute of Iaşi – the present "Gheorghe Asachi" University of Iaşi on October 1, 1962, comprising the specialization Agricultural Hydrotechnics (Land reclamation) and Hytrotechnic Constructions and Installations, later called Hydrotechnic Constructions. In 1986, the Faculty, with its two specializations, was integrated in the Faculty of Civil Engineering, and in the 1990-1991 academic year, the Faculty of Hydrotechnics becomes, once more, an independent unit within the Polytechnic Institute of Iaşi, with its two mentioned specializations, to which two new ones were added: Environmental engineering and cadastre (renamed Terrestrial Measurement and Cadastre in 2005) and in 1994 "Sanitary Engineering and Environmental Protection" which had been, up to then, a part of the Hydraulic Construction specialization. Starting with the 1994-1995 academic year, in-depth studies were organized, with the duration of one year, for the specializations of the Civil Engineering area of study: Hydraulic work safety and the Management of irrigated perimeters. Starting with the 2000-2001 academic year, Master's classes were organized for the same specializations, to which the specialization Monitoring and Control of Pollution and Calamities was added starting with the 2003-2004 academic year. From September 2005, the Doctoral School Department was established at the faculty level for the Civil Engineering area of study, still running at present. In the 2007-2008 academic year, in compliance with the provisions of Government Decision no. 676/2007, the faculty's name was changed to the Faculty of Hydrotechnics, Geodesy and Environmental Engineering. In its new structure, the faculty trains engineers in three Bachelor's studies areas: civil engineering (the specializations Hydraulic projects and constructions, Land reclamation and sustainable development), geodesic engineering (Terrestrial Measurement and Cadastre specialization) and environmental engineering (Environmental engineering and protection in agriculture specialisation). For the Master's cycle of studies, academic programmes in civil engineering (the specializations Hydrotechnic engineering, Real estate valuation and development, Modernisation of hydraulic, hydro-improvement and water systems, geodesic engineering (Geomatics and cartography specialization) and environmental engineering (Environment Factors Engineering and

Management). Within the faculty there are three specialized departments, as follows: Hydrotechnic Facilities and Constructions Department, Hydro-improvement and Environmental Protection Department, Terrestrial Measurement and Cadastre Department. Starting with October 1, 1990, at the initiative of prestigious professors, geodesic education was re-established at the Polytechnic Institute of Iaşi, Faculty of Hydrotechnics, with the Cadastre specialization and, from 2005, Terrestrial Measurements and Cadastre, besides the faculty's other specializations. (*https://hgim.tuiasi.ro/*).

I.5.8. Faculty of Mechanics

The Faculty of Mechanics is a higher education unit that creates and manages study programmes at "Gheorghe Asachi" Technical University of Iaşi. Ever since its establishment in 1948 it ran uninterruptedly under its current name. The Faculty of Mechanics' current mission is to carry out specific activities to train students at all study cycles: Bachelor's, Master's and doctoral, to become engineers and specialists in the areas of automotive engineering, mechanical engineering, mechatronics and robotics, as well as making good use of scientific knowledge by developing research and transferring results to society at the national, regional and international level. At present, the Faculty of Mechanics ensures the training of students in three main areas: Automotive engineering, Mechanical engineering, Mechatronics and Robotics. There are eight Bachelor's study programmes in these fields: road vehicles, construction of motor vehicles, vehicle propulsion systems engineering, mechanical engineering, thermal systems and equipment, machines and installations for agriculture and the food industry, mechatronics and robotics. Within the same areas of study there are also nine Master's specializations: car design conception and management, systemic of self-propelled transportation systems, the technical exploitation of road vehicles, traffic safety and performance, technical diagnosis and expertise in mechanical engineering, thermal machines, refrigeration and air conditioning, non-polluting techniques in the agri-food industry, railroad transportation industries, advanced mechatronics, robot systems. The Faculty of Mechanics Doctoral School has two domains: Mechanical engineering and Materials science. The Iași Faculty of Mechanics has a long-standing tradition in training high-achieving engineers, a tradition developed in time by remarkable personalities of mechanical higher education, widely acknowledged at home and abroad. The development of highly relevant areas for the economy, a field for which the Faculty of Mechanics trains young engineers, led to the faculty's rise in student numbers at all three levels of training, reaching, by October 1, 2020, a number of a 1748 Bachelor's and Master's students and 104 doctoral students. There are six student representatives from the Faculty of Mechanics in the faculty Council, elected by secret vote, according to the methodology and legislation in force and by the president of the faculty of Mechanics Student League, an organisation that carries vast extra-curricular activities, including faculty promotion activities, as

well as defending student rights. (*http://www.mec.tuiasi.ro*).

I.5.9. Faculty of Materials Science and Engineering

Metallurgic engineering education was founded at the Technical University of Iaşi in 1977 at the Faculty of Mechanics as a result of the development of the metallurgic industry in North-Eastern Romania. In and of itself, the faculty appeared in January 1990, initially under the name the Faculty of Metallurgy, the current name being established in 1993. The Faculty is organized in three departments: Materials Engineering and Industrial Security, Materials Science and Technologies and Equipment for Materials Processing, and two centres: Materials engineering and Work health and security. The faculty's educational offer comprises three domains with a total of eight study programmes, 4 Bachelor's and 4 Master's. There also is an advanced higher education programme through doctoral studies and specialised post-graduate studies. The research topics of the teaching staff, Master's and doctoral students cover specific specialized topics, such as: advanced materials, modern technologies for obtaining and processing metallic materials, work safety and security. The faculty collaborates with academic institutions and research institutes in Germany (Bochum), France (Nancy), Italy (Naples), Greece (Athens), Austria (Leoben), Poland (Szczecin), Turkey (Istanbul), Ukraine (Vinnitsa), Portugal, Japan (Tokyo), USA (*www.sim.tuiasi.ro*).

I.5.10. Faculty of Industrial Design and Business Management

The Faculty of Industrial Design and Business Management at "Gheorghe Asachi" Technical University of Iași takes on the mission of training designers, engineers and managers with technical, technological and managerial skills, capable of adapting to the free market economy and new technologies, with real chances in the labour market competition at home and abroad. As a form of higher education, DIMA faculty was established in 1934 in Bucharest under the name "The Superior School of Textiles". It is the first faculty in the field in the country and the only one offering specializations for all sectors of the textile and leather industry. It has existed in Iași ever since 1952 and in 1955 it became a part of the "Gheorghe Asachi" Polytechnic Institute. At present, the faculty structure comprises four departments that ensure the production, transmission and good use of knowledge in the specialized areas, such as: Engineering and Textile Products Department; Fabrics and Clothing Engineering Department; Chemical engineering in Textiles and Leather Department; Engineering and Management department. DIMA Faculty offers Bachelor's study programmes with a four-year duration organized over three areas of study (Industrial Engineering, Engineering and Management, Chemical Engineering), for the following specializations: Industrial design, Textile products technology and design, Clothing and fabrics technology, Leather and leather replacement technology and design, Business engineering and management, Industrial economic engineering, Chemical textile engineering. At the same time, the faculty organises Master's programmes with a two-year duration for the specializations: Quality assurance in the

textile-leather area; Innovative clothing production systems; Textile industrial design; High-performance knitting technologies; Clothing design and modelling; Developments in the technologically constructive design of leather products and leather replacements, Eco-design and textile finishing, Engineering and management in goods and service production, Innovation and entrepreneurship, Business administration and management, European project management in the field of engineering. The "Research centre for materials, products and advanced processes" (code C31001) and the "Industrial Design and Business Management" research team (code 31001) are part of the faculty. The faculty has active collaborations with universities in over 20 countries on all continents, materialized in mobility programmes for students and teaching staff; conferences, symposia, seminars; scientific publication exchange; educational and research programmes. The internationalisation of the Faculty of Industrial Design and Business Management was and will remain a priority objective. Participation to international research or educational programmes is one of the faculty's constant preoccupations. At the present time, there are 17 successfully completed international projects for the 2015-2020 period and 9 ongoing projects in the following period 2021-2023, respectively (*http://www.tpmi.tuiasi.ro/*).

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

"G.M. Cantacuzino" Faculty of Architecture is part of the "Gheorghe Asachi" Technical University of Iași with a six-year duration of studies. The architecture specialisation was established in Iași in 1970 as part of the Faculty of Civil engineering and building services. Starting with the 2003-2004 academic year, it became a faculty of the same university. The "G.M. Cantacuzino" Faculty of Architecture teaching staff consists of architects, engineers and artists of confirmed professional prestige, with teaching experience continuously gained in the faculty, conducting research, as well as young members of teaching staff that stood out during their studies in the faculty's doctoral school through their scientific and design activity. The faculty has two departments: Architecture and Urban Planning. "G.M. Cantacuzino" Faculty of Architecture organises the integrated Bachelor's-Master's study programme which comprises curricular teaching, learning, research, practical application and evaluation units. At the completion of studies, graduates are awarded their Bachelor's and Master's degree specializing in Architecture, completed by the diploma supplement. Research activity is conducted within the faculty, as far as internal research is concerned, by research teams organised at university level at the CNCSIS-accredited Polytech Centre of Technological research and development. Research programmes are oriented towards up-to-date, topical fields, such as energy saving, housing quality, ecological architecture, architectural and urban rehabilitation, in compliance with the national and European framework and imperatives, following the evolution of knowledge in the field, as well as making good use of

research results. The faculty has Erasmus agreements with 53 partner universities (*www.arhitectura.tuiasi.ro*).

I.5.12. Teacher Training Department

The Teacher Training Department (DPPD) at "Gheorghe Asachi" Technical University of Iaşi was established through Decision No. 511 of 13.04.2000 of "Gheorghe Asachi" Technical University of Iaşi (TUIAȘI) Senate and runs on the basis of Ministerial Order no. 3404 of 2002. DPPD has the mission of training the technically-educated teaching staff, continually developing and training the teaching staff in technical and professional education and participating in pedagogical research for vocational education at the regional, national and international level. DPPD also took on the mission of co-participating in outlining the socio-humanistic horizons of all TUIASI students, whether they chose a teaching qualification or not. The teaching certification programme aims at developing the psycho-pedagogical, teaching, digital, managerial and research skills necessary for becoming a teacher. The initial training ensured by DPPD takes place in compliance with the curricula established through Ministerial Order no. 3850 /2017, amended by Ministerial Order 4129/2018. Psycho-pedagogical training studies for Levels I and II are organised according to the Ministry of Education's curricula. At the undergraduate students' behest, DPPD organises self-funded post-graduate courses for Levels I and II. Psycho-pedagogical training is only available for full-time students. DPPD - TUIASI ensures continuous training programmes for second and first teaching degrees, participated in grant competitions meant to periodically certify or refresh teaching staff skills. The scientific research plan is integrated in the DPPD strategic plan which, in its turn, is part of the University's research plan. The obtained results are in direct relation with the scientific research strategy promoted by "Gheorghe Asachi" Technical University of Iaşi (*www.dppd.tuiasi.ro*).

II. EVOLUTION OF THE UNIVERSITY'S PERFORMANCE IN THE PAST FIVE YEARS

"Gheorghe Asachi" Technical University of Iaşi is an accredited institution of higher education and advanced research externally evaluated by ARACIS, having obtained the qualification *High degree of confidence* in 2015 (*Anexa A.1.1.1.f Certificat ARACIS Grad de incredere ridicat 2015*).

II.1. The evolution of the university's teaching performance

"Gheorghe Asachi" Technical University of Iaşi is a public institution of higher education and advanced research whose mission is to carry out specific activities for the creation and innovative use of knowledge and its transfer to society in the fundamental fields of Engineering sciences, Architecture and Urban Planning, as well as in inter-disciplinary and complementary fields in the local community at the regional, national and international level.

"Gheorghe Asachi" Technical University of Iaşi is the keeper of important traditions in engineering, scientific and cultural education, enjoying a nationally-recognized position with a distinctive, visible presence at the international level. The university trains highly qualified engineers in almost all fields in the industry, capable of efficiently and quickly responding to the innovation, research and development requirements of economic agents. The university also offers constant self-actualization of professional competence programmes for engineering specialists imposed by the global changes in the socio-economic environment.

Starting with 1990, "Gheorghe Asachi" Technical University of Iaşi structure (**Table 1.1**) underwent a series of changes in order to adapt to the young generations' educational needs, as well as the offer and necessities identified in the labour market. The number of students had a relatively constant evolution in 2015-2020 (**Table 1.3**).

Tabele 1.3. *Evolution of student numbers 2015 - 2020* (January 1 reports)

Academic year	Total no. of students (BMD), among whom:	Bachelor's			Master's			Doctorate			Pre-university teaching qualifications
		State-funded Bachelor's students	Self-funded Bachelor's students	Total Bachelor's students	State-funded Master's students	Self-funded Master's students	Total Master's students	State-funded doctoral students	Self-funded doctoral students	Total doctoral students	
2015/2016	**13578**	8312	1103	**9415**	3334	294	**3628**	409	126	**535**	61
2016/2017	**13239**	8353	822	**9175**	3259	208	**3467**	474	123	**597**	36
2017/2018	**13391**	8404	881	**9285**	3186	266	**3452**	547	107	**654**	28
2018/2019	**13155**	8395	829	**9224**	2979	252	**3231**	613	87	**700**	23
2019/2020	**13442**	8355	1140	**9495**	2921	302	**3223**	636	88	**724**	18
2020/2021	**13893**	8664	1130	**9794**	3004	316	**3320**	688	91	**779**	20

The number of enrolled students for each educational level for the 2020-2021 academic year and for 2015-2020 can be found in Annex 3: ***Anexa 3FV Numar studenti inmatriculati*.**

To respond to requirements of the labour market, "Gheorghe Asachi" Technical university of Iaşi has continuously diversified its educational offer. The dynamics of the number of study programmes is presented in **Table 1.4**. A complementary study offer for students, and a refresher/lifelong training one for the pre-university teaching staff is provided by the *Teacher Training Department*.

Table 1.4. *Evolution of number of study programmes 2015– 2020*

	Cycles/ Study programme categories			
Academic year	Bachelor's	Master's	Postgraduate	Doctoral
2015/ 2016	60	84	111	13
2016/ 2017	60	84	111	13
2017/ 2018	60	84	113	13
2018/ 2019	60	85	114	13
2019/ 2020	60	73	39	13
2020/ 2021	61	71	38	13

The university has 2762 positions, among which 1642 are filled and 1120 vacant. Among the 1216 positions covered by core funding, 1046 are teaching positions (662 filled and 384 vacant). From the 662 teaching positions, 40 are held by full-time teaching staff with temporary contracts (temporary doctoral students/teaching assistants).

Details regarding the dynamics of positions are provided in **Table 1.5.**

Table 1.5. *Centralized data on position charts for 2020 (31.12.2020)*

Reference no.	Funding source	No. of positions on 31.12.2020		
		Total	Occupied	Vacant
1	Core funding	1894	1216	678
2	Subsidies – Student Services Directorate	213	176	37
3	Own revenues, among which:	62	0	62
3.1.	Faculties and Compartments	32	0	32
3.2.	Centres	30	0	30
	Position Charts Total	**2169**	**1392**	**777**
4	Research centres and teams – DMMP	593	250	343
	University Total	**2762**	**1642**	**1120**

Teaching staff quality is also attested by the scientific and honorary awards received by the tenured staff: 3 professors are members of the Romanian Academy, 31 are members of the Academy of Technical Sciences, The Academy of Romanian Scientists or the Academy of Agricultural and Forestry Sciences Academy (***Anexa B.3.1.3.e. Membri ai Academiei Romane_2019-2021***); the large majority are members of scientific societies, and many received scientific awards and/or decorations.

In **Table 1.6** the degree of occupation of teaching positions for the past five academic years (on 31.12.2020) can be found.

Table1.6. *The evolution of full-time holders of tenured positions* (*positions:* O - *occupied*, V - *vacant*, T - *total*)

Academic year	Positions total:	From which:		Professors			Associate professors			Lecturers			Assistant professors		
		O	V	T	O	V	T	O	V	T	O	V	T	O	V
2015/16	1068	750*	318	211	178	33	224	187	37	447	273	174	186	112*	74
2016/17	1052	724**	328	189	169	20	202	181	21	486	278	208	175	96**	79
2017/18	1005	707***	298	167	161	6	190	173	17	488	288	200	160	85***	75
2018/19	1026	682****	344	157	149	8	191	166	25	525	289	236	153	78****	75
2019/20	1022	674*****	348	151	144	7	194	167	27	531	295	236	146	68*****	78
2020/21	1046	662******	384	144	138	6	185	165	20	553	290	263	164	69******	95

* Total of positions occupied on 31.12.2015 also includes 25 members of teaching staff on a temporary contract (2 professors and 23 teaching assistants)
** Total of positions occupied on 31.12.2016 also includes 34 members of teaching staff on a temporary contract (1 professor and 33 teaching assistants)
*** Total of positions occupied on 31.12.2017 also includes 30 members of teaching staff on a temporary contract (1 professor şand 29 teaching assistants)
**** Total of positions occupied on 31.12.2018 also includes 29 members of teaching staff on a temporary contract (1 professor and 28 teaching assistants)
***** Total of positions occupied on 31.12.2019 also includes 31 members of teaching staff on a temporary contract (31 teaching assistants).
****** Total of positions occupied on 31.12.2020 also includes 40 members of teaching staff on a temporary contract (40 teaching assistants)

In the 2020/2021 academic year, the 384 vacant teaching positions were filled by the tenured teaching staff and adjunct teaching staff. Adjuncts consist of 79 retired faculty members and 53 well-known specialists in their fields. The total situation of the teaching staff (tenured and adjunct) can be found in the following annex:

Anexa A.3.1.1.a Personal didactic titular si asociat, 2015-2020

In the 2020-2021 academic year, the teaching staff corresponding to TUIASI academic structure is provided by Annex 1, under Visit form:

Anexa 1FV Lista personal didactic an universitar 2020/2021

The degree of teaching position occupation at TUIASI for the 2020/2021 academic year is presented in annex 5 under Visit Form: *Anexa 5FV Grad ocupare personal didactic*.

The library comprises 26 employees, among which 25 have specialized studies, one financial administrator with higher education degrees. The library's specialised staff with higher and secondary qualifications are graduates of a least one type of postgraduate or post-secondary course in the field of Library and Information Science.

II.2. Evolution of Economic and Financial Performance

Under the coordination of the *Resource Management Vice-rectorate*, the fundamental objective of financial management is to ensure an accounting record which constitutes the basis for the efficient funding and management of each resource. Financial-accounting books were kept on specialised platforms: SICOB, EMSYS, MENTOR, PREMIER and the financial tools that ensured the transparency, decentralization and real-time updates are the bases of building and implementation of the financial strategy. The distribution of institutional financing methodology is established yearly through a normative act issued by the Ministry of Education. A brief account of the situation of institutional financing in 2015-2020 is presented in (*Anexa A.2.1.3. Sinteza finantarii instit 2015-2020*)

Starting with 2012, the allocated sums for core and supplementary funding of an institution of higher education provided by the Ministry of Education are marked separately in the institutional contract. The University's Administrative General Directorate distributes the allocated institutional financing sums to each faculty.

Table 2.1. and **Graph 2.1**. present the evolution of institutional funding for 2010-2020.

Table 2.1. *Evolution of institutional financing 2010 – 2020*

Ref. no.	Year	Institutional funding (RON)
0	1	2
1	2010	86,869,166.00
2	2011	82,491,004.00
3	2012	84,289,069.00
4	2013	86,983,071.00
5	2014	81,066,447.00
6	2015	81,435,872.00
7	2016	99,810,163.00
8	2017	115,131,794.00
9	2018	142,384,302.00
10	2019	169,170,310.00
11	2020	193,982,839.00

**Graph 2.1.** *Evolution of **institutional financing** 2010-2020*
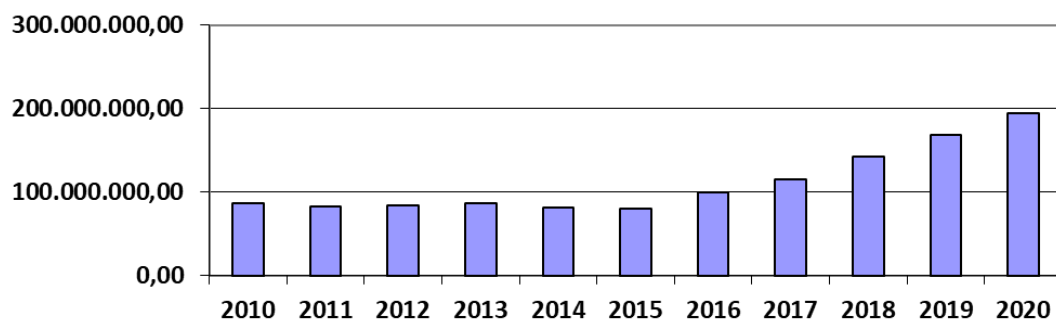
Useful surface/ in-person student indicator has evolved differently for each faculty, according to **Table 2.2**.

Table 2.2. *Evolution of the **useful surface /in-person student** indicator for 2016-2020*

(January 2021)

Ref. No.	Faculty	Indicator		Year					Difference from the average in 2020
				2016	2017	2018	2019	2020	
1	Automatic Control and Computer Engineering	Useful surface (m^2)		4236.3	4236.3	4236.3	4236.3	4236.3	
		No.of in-person students		1484	1508	1566	1630	1628	
		Surface./stud (m^2/stud)	AC	2.85	2.81	2.71	2.6	2.6	-3.12
2	"Cristofor Simionescu" Chemical Engineering and Environmental Protection	Useful surface (m^2)		8167	8167	8167	8167	8167	
		No.of in-person students		944	853	762	722	723	
		Surface./stud (m^2/stud)	ICPM	8.65	9.57	10.72	11.31	11.3	5.58
3	Civil Engineering and Building Services	Useful surface (m^2)		13625.00	13625.00	13625.00	13625.00	13625.00	
		No.of in-person students		1882	1725	1677	1559	1742	
		Surface./stud (m^2/stud)	CI	7.24	7.9	8.12	8.74	7.82	2.1
4	Machine Manufacturing and Industrial Management	Useful surface (m^2)		8987.67	11019.11	11019.11	11019.11	11019.11	
		No.of in-person students		1169	1122	1100	1061	1041	
		Surface./stud (m^2/stud)	CMMI	7.69	9.82	10.02	10.39	10.59	4.87
5	Electronics Telecommunications and Information Technology	Useful surface (m^2)		4835.41	4835.41	4835.41	4835.41	5249.76	
		No.of in-person students		1186	1241	1322	1467	1510	
		Surface./stud (m^2/stud)	ETTI	4.08	3.9	3.66	3.3	3.48	-2.24
6	Electrical Engineering and Applied Informatics	Useful surface (m^2)		5707.03	5707.03	5707.03	5707.03	5707.03	
		No.of in-person students		1599	1547	1650	1639	1646	
		Surface./stud (m^2/stud)	IEEIA	3.57	3.69	3.46	3.48	3.47	-2.25
7	Hydrotechnics Geodesy and Environmental Engineering	Useful surface (m^2)		4118.74	4118.74	4118.74	4118.74	4118.74	
		No.of in-person students		1096	978	937	793	780	
		Surface./stud (m^2/stud)	HGIM	3.76	4.21	4.4	5.19	5.28	-0.44
8	Mechanics	Useful surface (m^2)		8079.98	8079.98	8079.98	8079.98	8079.98	
		No.of in-person students		1589	1651	1770	1837	1918	
		Surface./stud (m^2/stud)	MEC	5.08	4.89	4.56	4.4	4.21	-1.51
9	Materials Science and Engineering	Useful surface (m^2)		2003.76	2003.76	2003.76	2003.76	2003.76	
		No.of in-person students		958	953	903	891	966	
		Surface./stud (m^2/stud)	SIM	2.09	2.1	2.22	2.25	2.07	-3.65

10	Industrial Design and Business Management	Useful surface (m²)		14599.34	14599.34	13540.34	13540.34	13576.34	
		No.of in-person students		1174	1134	1144	996	919	
		Surface./stud (m²/stud)	**DIMA**	12.44	12.87	11.84	13.59	14.77	9.05
11	Architecture "G.M. Cantacuzino"	Useful surface (m²)		1179.00	1179.00	1179.00	1179.00	1179.00	
		No.of in-person students		558	563	588	583	587	
		Surface./stud (m²/stud)	**ARH**	2.11	2.09	2.01	2.02	2.01	-3.71
	UNIVERSITY TOTAL	Useful surface (m²)		75539.23	77570.67	76511.67	76511.67	76962.02	
		No.of in-person students		13639	13275	13419	13178	13460	
		Surface./stud (m²/stud)	**TUIASI**	5.54	5.84	5.7	5.81	5.72	

Evoluţia indicatorului supraf.utilă/stud.fiz. in perioada 2016-2020
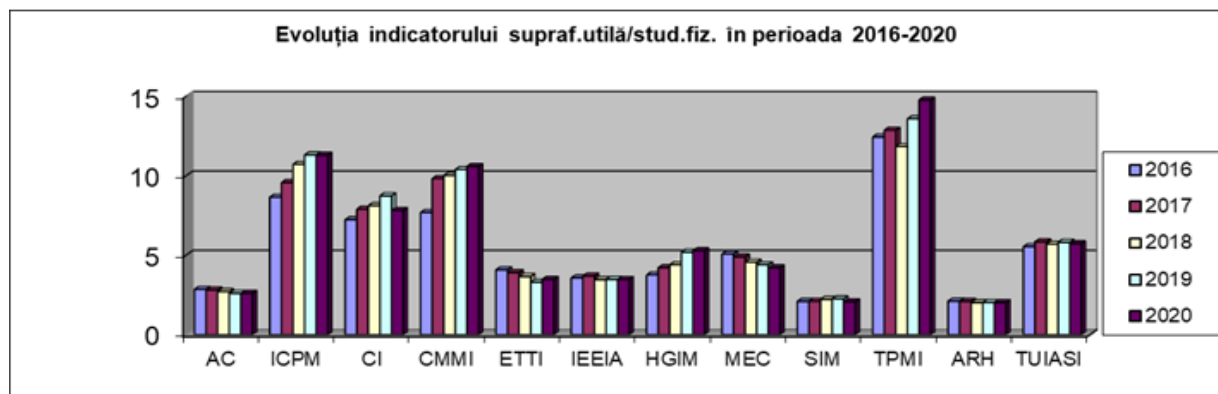
Note: The number of in-person students includes the following student and learner categories (self- or state-funded): full-time Bachelor's studies, Master's studies, part-time and full-time doctoral studies, pre-university teaching degrees and the useful surface only included the surfaces where students participate in teaching activities (Lectures, Seminars, Practical activities, Labs). Details on indicators regarding TUIASI teaching spaces is presented in Annex 2, under Inspection sheet: ***Anexa 2FV Spatii invatamant-situatie centralizatoare***

## II.3. Evolution of research activities

In 2015-2020, "Gheorghe Asachi" Technical University of Iaşi research followed strategic scientific research directions as reflected by the number of published articles in ISI-ranked specialized journals or with international database indexation, the research contracts won in national and international competitions, the number of articles published in recognized specialised publications (B and B+ category), the number of papers presented at international conferences with program committees, the number of patents (**Table 3.2**). The presented data (articles in ISI, ISI/IEEE Proceedings journals, patents etc) are in keeping with the reports submitted to the National Council for Higher Education Financing - CNFIS (ANS platform) for 2015-2018, with 01.01.2019 as a reference date, and for 2019-2020 the data was taken from the yearly reports of the Research-Development and Innovation Vice-Rectorate of TUIASI.

Table 3.2. *Dynamics of research activities*

Results	2015	2016	2017	2018	2019	2020
National Contract Worth (PN II and PNCDI III)	7,160,499.98	9,069.112.00	9,674,728.85	9,710,559.46	10,139,482.71	8,270,972.53
Contracts with the economic environment worth (Economic agents)	759,083.08	883,522.16	861,825.41	769,719.38	994,509.03	648,251.51
External contract worth (total)	41,380,824.10	19,082,109.55	6,946,591.54	8,260,913.98	19,256,392.96	19,594,072.66
From which: External contracts with **research** worth:	548,062.81	1,196,003.62	1,123,812.35	1,314,618.31	2,096,062.91	4,605,002.44

No. Published articles	ISI and	343	273	251	219	296	349
	ISI Proceedings	211	365	322	361	243	221
	International Databases indexed (including B+)	357	246	236	212	201	143
No. Published books	Recognised national publishing houses – sole author+coordinator)	105	86	71	59	77	42
	International publishing houses	4	9	6	8	6	11
Research centre, from which excellence centres		23/4	23/4	23/4	24/4	24/4	24/4
Accredited research laboratories		2	1	1	1	1	1
Invention patent requests		12	12	38	45	32	32
Invention patents		7	11	19	12	10	5

The results of the past 6 years in the research-development and innovation areas based on won contracts in national project competitions at the level of "Gheorghe Asachi" Technical University of Iaşi faculties are presented in the graph entitled **Figure 3.1**, the Worth of research-development contracts with national financing:
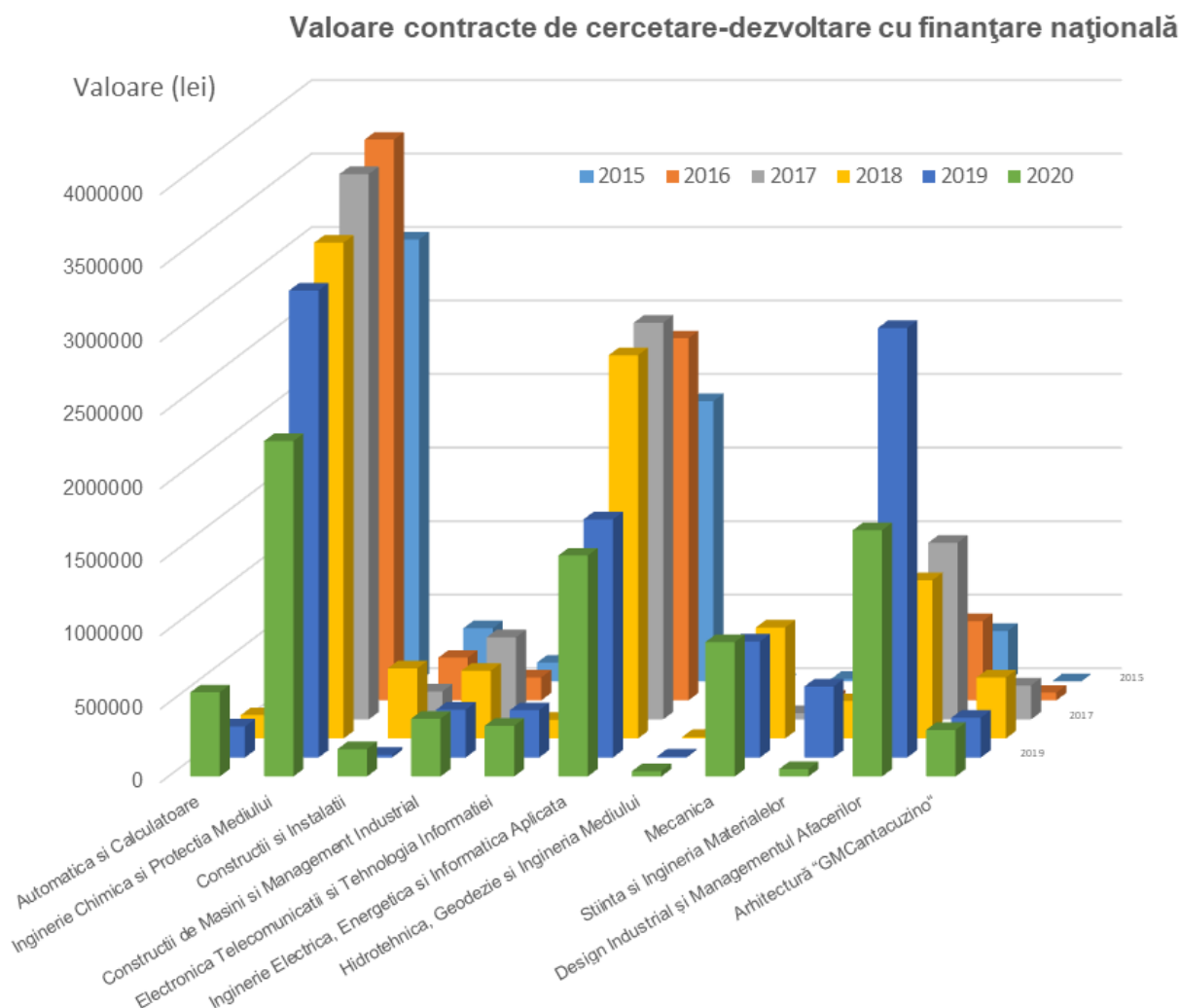
AC=Automatic Control and Computer Engineering; ICPM= "Cristofor Simionescu" Chemical Engineering and Environmental Protection; CI=Civil Engineering and Building Services ; CMMI= Machine Manufacturing and Industrial Management; ETTI=Electronics, Telecommunications and Information Technology; IEEIA=Electrical Engineering, Energetics and Applied Informatics; HGIM=Hydrotechnics, Geodesy and Environmental

Engineering; MEC=Mechanics; SIM= Materials Science and Engineering; DIMA= Industrial Design and Business Management; ARH= "G.M.Cantacuzino"; Architecture TUIASI= "Gheorghe Asachi" Technical University of Iaşi

Figure 3.1. *Accomplishments in research-development activity in the past 6 years for each faculty*

The national and international collaboration capacity is an important segment of the research-development and educational dynamic. The university organized, in the past six years, an important number of international research and collaboration programmes as a part of POSCCE, FP7, POC, Horizon 2020, COST, SEE grants, Erasmus, as well as POCU, ROSE, POR etc.

The financial resources won in educational and research projects with external financing taking place at TUIASI are presented in Table 3.3.

Table 3.3. *External financing projects*

Ref. No.	Indicator	2015	2016	2017	2018	2019	2020
1	No. of projects	6	8	20	33	45	53
2	Total worth (RON)	41.380.824,1	19.082.109,5	6.946.591,5	8.260.913,9	19.256.392,9	19.594.072,6

The centralized account of data regarding the scientific research of TUIASI is presented in Annexes 4 and 4.1, under Visit Form:

Anexa 4FV Centralizator date privind cercetarea stiintifica

Anexa 4.1FV Granturi instituţionale

The research activity taking place in collaboration with partners from the economic, administrative, public and private environment finalised with consultancy/research/provision of service contracts and incoming sums for 2015-2020 are presented in Figure 3.2.
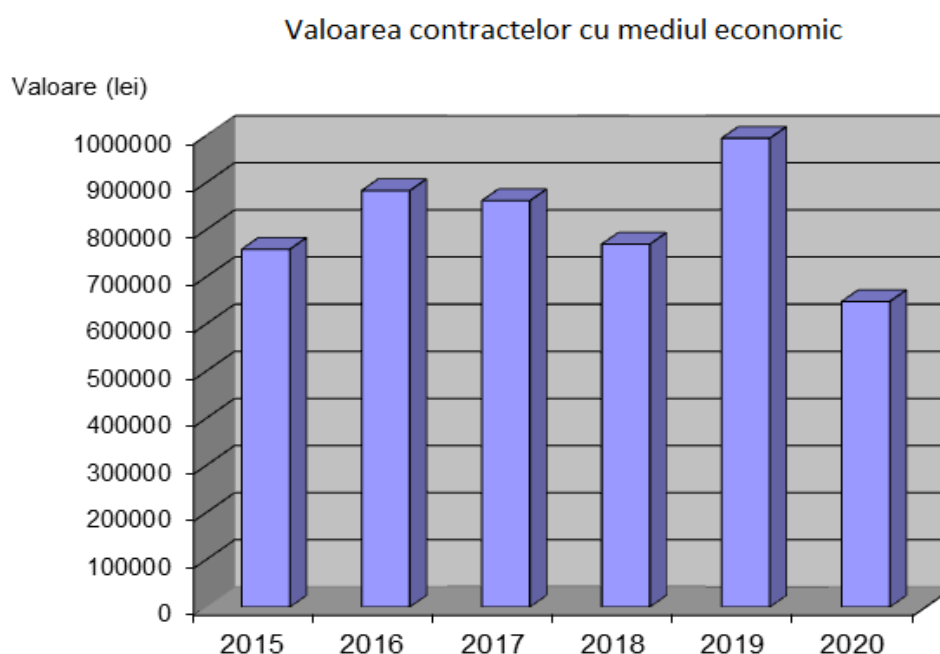
Figure 3.2. *Worth of public/private financing projects*

II.4. Evolution of Doctoral School performance

Faculty statistics regarding the number of admitted doctoral students for each branch of the doctoral school can be found in *Table 4,* while the number of completed theses in the last 5 years (2015-2020), as well as the number of defended doctoral theses can be found in *Table 4.1*

Table 4 *Centralised data on admitted doctoral students for each branch of the doctoral school 2015-2020*

Ref. no.	FACULTY	2015	2016	2017	2018	2019	2020
1	Automatic Control and Computer Engineering	17	19	19	22	27	27
2	Civil Engineering and Building Services	55	55	61	64	65	73
3	Machine Manufacturing and Industrial Management	49	46	57	59	69	67
4	Electrical Engineering, Energetics and Applied Informatics	70	78	88	114	129	132
5	Electronics, Telecommunications and Information Technology	14	17	21	27	34	37
6	Hydrotechnics, Geodesy and Environmental Engineering	26	35	41	45	43	49
7	"Cristofor Simionescu" Chemical Engineering and Environmental Protection	92	98	107	107	110	117
8	Mechanics	55	57	66	73	77	84
9	Materials Science and Engineering	41	51	56	49	53	49
10	Industrial Design and Business Management	64	79	81	94	94	138
	TOTAL	483	535	597	654	701	773

Table 4.1 *Centralized data on completed doctoral theses 2015-2020*

Ref. no.	Faculty	2014	2015	2016	2017	2018	2019	2020
	Evolution of number of theses defended 2014 - 2020							
1	Automatic Control and Computer Engineering	2	3	1	0	2	2	
2	Civil Engineering and Building Services	18	13	13	11	9	19	2
3	Machine Manufacturing and Industrial Management	9	4	2	2	4	2	5
4	Electrical Engineering, Energetics and Applied Informatics	15	6	4	3	1	11	7
5	Electronics, Telecommunications and Information Technology	5	3	1	1	1	2	6
6	Hydrotechnics, Geodesy and Environmental Engineering	9	4	2	4	2	1	5
7	"Cristofor Simionescu" Chemical Engineering and Environmental Protection	7	12	9	10	8	3	3
8	Mechanics	7	7	3	3	2	2	7
9	Materials Science and Engineering	3	1	6	4		4	3
10	Industrial Design and Business Management	4	6	4	2	6	11	3
	TOTAL	79	59	45	40	35	57	38

Remarkable doctoral research/awards/research topics included in the yearly doctoral school curricula observe the scientific areas of doctoral fields and met the needs of the economic and social environment. Each of the 13 doctoral areas belonging to the TUIASI Doctoral School have displayed remarkable doctoral research, part of which received awards at national or international scientific events (*Anexa B.2.1.3.c Şcoala Doctorală*). A great part of the doctoral students' published words received awards from the Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI) during the yearly result research competition awards. All doctoral student research results are included in the research curricula and scientific areas of each research field, as highlighted by the following web page:

http://www.doctorat.tuiasi.ro/Htm/Teme%20cercetare.htm

II.5. Evolution of international relations and university image

The Vice-Rectorate for International Relations' mission is to continue efforts regarding the internationalization process to intensify the students', teaching staff's and auxiliary staff's access to global opportunities in education, research and on the job market, as reflected in the continuous growth of higher education quality at TUIASI, having the continuation of the implementation of the Internationalisation Strategy of TUIASI, approved in 2015, as its Main Objective, through the diversification and promotion of the university's image and community participation world-wide, as well as updating the strategy by adapting to current conditions (*Anexa B.2.1.5.f Relatii Internationale-Misiune, obiective*)**.**

Considering the common purpose of the Bologna Declaration signed by the Ministers of Education from 29 countries including Romania, "Gheorghe Asachi" Technical University of Iaşi "ensure[s] that higher education and research systems continuously adapt to changing needs, society's demands and advances in scientific knowledge" and has already implemented the Bologna process structures, putting them in practice, according to the six Bologna objectives:

- Degree recognition: adoption of a system of easily readable and comparable degrees
- Adoption of a system based on two main cycles (Bachelor's and Master's) ;
- Establishment of the system of credits (ECTS);
- Promoting mobility;
- Promoting European cooperation in quality assurance;
- Promoting the European dimension of higher education.

"Gheorghe Asachi" Technical University of Iaşi prioritizes the internationalisation of studies, placing significant emphasis on student, teaching staff and administrative staff exchanges with universities abroad. Every year, a number of students, members of teaching staff and administrative personnel travel to partner universities abroad as part of the European Lifelong Learning/ Erasmus Programme.

In **Tables 5.1, 5.2** the evolution of foreign students, teaching staff and student mobility numbers in the past five years can be found:

Table 5.1. *No. of TUIAŞI foreign students 2016 - 2020*

Foreign students studying at TUIASI		2016* No. of students	2017* No. of students	2018* No. of students	2019* No. of students	2020* No. of students
For full degrees[**]	From European and non-European countries	34	81	110	114	128
	From the Republic of Moldavia, Ukraine and Albania	394	620	803	902	949
Part-time studies	Erasmus incoming	97	120	100	102	72
TOTAL		**525**	**821**	**1013**	**1118**	**1149**

* 2015/2016, 2016/2017, 2017/2018, 2018/2019 academic years and 2019/2020, respectively;
** Source: Didactics and Quality Assurance Vice-Rectorate statistics

Table 5.2. *No. of international mobilities 2016- 2020*

1. Outgoing teaching mobilities	2016*	2017*	2018*	2019*	2020*
Erasmus+ KA103, KA107 Programme	131	124	145	128	13
SEE Programme				4	1
Conference, congresses, symposia participations	128	232	190	224	17
Work meetings, research mobilities, visiting professorships	183	157	220	164	17
TOTAL	**442**	**513**	**555**	**520**	**48**
2. Outgoing student mobilities	2016*	2017*	2018*	2019*	2020*
Erasmus+ KA103, KA107 Programme	165	136	129	150	83
SEE Programme				3	0
Conference, congresses, symposia participations	32	61	29	100	12
Work meetings, research meetings	49	8	28	22	15
TOTAL	**246**	**205**	**186**	**275**	**110**
3. Outgoing auxiliary teaching staff mobilities	2016*	2017*	2018*	2019*	2020*
Erasmus+ KA103, KA107 Programme	8	13	26	34	12
Conference participations	7	6	3	8	6
TOTAL	**15**	**19**	**29**	**42**	**18**

* 2015/2016, 2016/2017, 2017/2018, 2018/201 academic years and 2019/2020, respectively

Table 5.3. *Incoming TUIASI Teaching staff and auxiliary teaching staff numbers 2016 - 2020*

1. Incoming teaching staff mobilities	2016*	2017*	2018*	2019*	2020*
Erasmus Programme	36	44	60	63	13
2. Incoming auxiliary teaching staff and administrative staff	2016*	2017*	2018*	2019*	2020*
Erasmus programme	0	8	9	16	0
TOTAL	**36**	**52**	**69**	**79**	**13**

* 2015/2016, 2016/2017, 2017/2018, 2018/2019 academic years and 2019/2020, respectively

Table 5.4. presents "Gheorghe Asachi" Technical University of Iaşi collaboration agreements

Table 5.4. *State of TUIASI inter-institutional and cooperation agreements*

Academic year	Inter-Institutional Erasmus+ K103 Agreements	Inter-Institutional Erasmus+ K107 Agreements	Cooperation agreements
2019 / 2020	For 2020, TUIASI faculties had 530 agreements with EU universities	For 2020, TUIASI faculties had 137 agreements with non-UE countries.	94 bilateral agreements were concluded with European, North American and Asian universities.

A majorly important international component is TUIASI's membership in one of the most representative international higher education institutions: **EUA** (European University Association), **AUF** (Agence Universitaire de la Francophonie), **EUCEN** (European University Continuing Education Network), **BSUN** (Black Sea Universities Network).

II.6 The employability of "Gheorghe Asachi" Technical University of Iaşi graduates from 2015 – 2019 graduating classes

"Gheorghe Asachi" Technical University of Iaşi has constantly preoccupied itself with tracking its graduates career path. As a result of the adaptation of curricula to the employers' requirements, employability has been on the rise. Periodic surveys have been filled by the graduates that collected their diplomas from the Rector's office and recorded in the DEAC database, used for the obtention of statistical data on TUIASI graduates' employability rate.

Table 6.1 *State of graduates of Bachelor's studies (who collected their diplomas) 2015- 2019*

Facultatea	2015			2016			2017			2018			2019		
	abs	ang	%	abs	ang	%	abs	ang	%	abs	ang	%	abs	ang	%
AC	195	173	89,0	197	176	93,0	195	180	93,0	205	192	92,0	140	132	95,0
ICPM	86	60	70,0	111	64	58,0	111	84	76,0	59	49	83,0	52	44	85,0
CI	321	244	76,0	325	240	74,0	264	200	76,0	97	84	87,0	69	61	89,0
CMMI	120	92	77,0	139	116	84,0	134	119	89,0	122	86	71,0	55	49	89,0
ETTI	123	110	90,0	117	104	89,0	145	134	93,0	136	127	94,0	12	10	84,0
IEEIA	176	146	83,0	166	148	90,0	162	144	89,0	151	135	90,0	73	68	94,0
HGIM	141	101	72,0	134	89	67,0	122	98	81,0	88	66	75,0	19	18	95,0
MEC	183	134	74,0	164	125	77,0	174	128	74,0	136	115	85,0	62	50	81,0
SIM	103	80	78,0	99	69	70,0	82	62	76,0	74	60	81,0	17	16	95,0
DIMA	129	91	71,0	64	51	80,0	43	29	68,0	44	33	75,0	14	12	86,0
ARH	80	66	83,0	50	40	80,0	77	61	80,0	113	104	92,0	28	25	90,0
Total TUIASI	1657	1297	78,5	1566	1222	78,0	1509	1239	83,0	1225	1051	86,0	541	485	90,0

AC=Automatic Control and Computer Engineering; ICPM= "Cristofor Simionescu" Chemical Engineering and Environmental Protection; CI=Civil Engineering and Building Services ; CMMI= Machine Manufacturing and Industrial Management; ETTI=Electronics, Telecommunications and Information Technology; IEEIA=Electrical Engineering, Energetics and Applied Informatics; HGIM=Hydrotechnics, Geodesy and Environmental Engineering; MEC=Mechanics; SIM= Materials Science and Engineering; DIMA= Industrial Design and Business Management; ARH= "G.M.Cantacuzino"; Architecture TUIASI= "Gheorghe Asachi" Technical University of Iaşi

Situatia insertiei profesionale a absolventilor de licenta (cu diploma ridicata), in perioada 2015-2019, la TUIASI (nr. persoane)
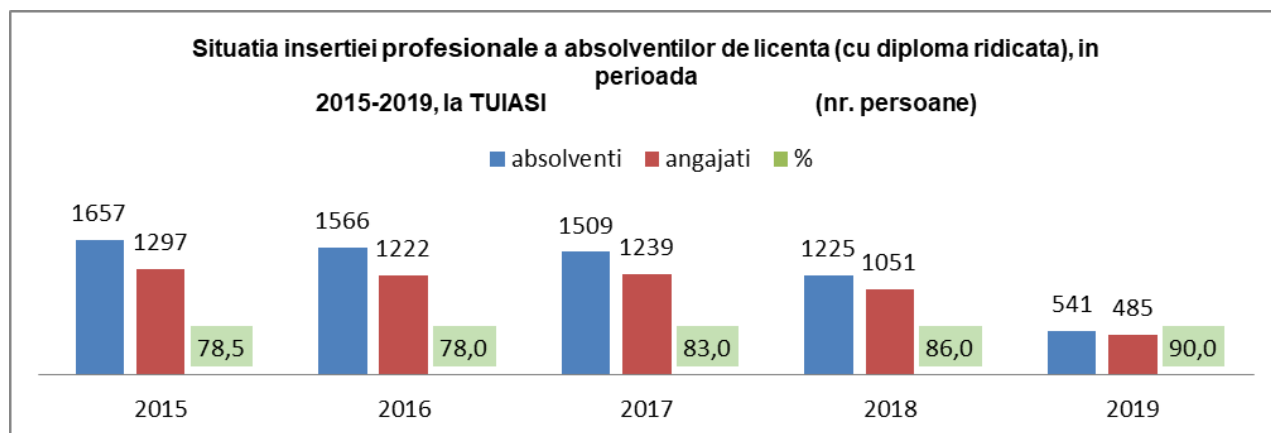
For 2015-2019, a number of 6,498 graduates collected their Bachelor's diploma, from which 5,294 are employed. **The average employability quotient** was **81** % at the end of 2019.

Table 6.2 *State of Master's graduates (who collected their diploma) 2015-2019*

Facultatea	2015			2016			2017			2018			2019		
	absolv	ang	%	absolv	ang	%	absolv	ang	%	absolv	ang estim	%	absolv	ang estim	%
AC	18	16	88,9	26	24	93,0	22	17	78,0	24	22	92,0	7	6	86,0
ICPM	68	48	71,0	56	44	79,0	62	43	70,0	38	28	74,0	16	10	63,0
CI	178	152	86,0	231	165	72,0	107	95	89,0	52	44	85,0	22	16	73,0
CMMI	38	33	87,0	36	32	89,0	23	18	79,0	23	21	92,0	11	9	82,0
ETTI	17	13	77,0	15	13	87,0	18	17	95,0	13	12	93,0	3	3	100,0
IEEIA	80	67	84,0	40	33	83,0	53	45	85,0	35	29	83,0	12	8	67,0
HGIM	71	56	79,0	64	55	86,0	68	51	75,0	45	38	85,0	15	12	80,0
MEC	119	94	79,0	94	80	86,0	83	71	86,0	61	49	81,0	37	30	81,0
SIM	69	56	82,0	72	55	77,0	72	61	85,0	52	44	85,0	19	9	48,0
DIMA	77	59	77,0	77	65	85,0	71	57	81,0	62	47	76,0	2	2	100,0
Total TUIASI	735	594	81,0	711	566	80,0	579	475	82,0	405	334	83,0	144	105	73,0

AC=Automatic Control and Computer Engineering; ICPM= "Cristofor Simionescu" Chemical Engineering and Environmental Protection; CI=Civil Engineering and Building Services ; CMMI= Machine Manufacturing and Industrial Management; ETTI=Electronics, Telecommunications and Information Technology; IEEIA=Electrical Engineering, Energetics and Applied Informatics; HGIM=Hydrotechnics, Geodesy and Environmental Engineering; MEC=Mechanics; SIM= Materials Science and Engineering; DIMA= Industrial Design and Business Management; ARH= "G.M.Cantacuzino"; Architecture TUIASI= "Gheorghe Asachi" Technical University of Iaşi

Situatia insertiei profesionale a absolventilor de masterat (cu diploma ridicata), in perioada 2015-2019, la TUIASI (nr. persoane)
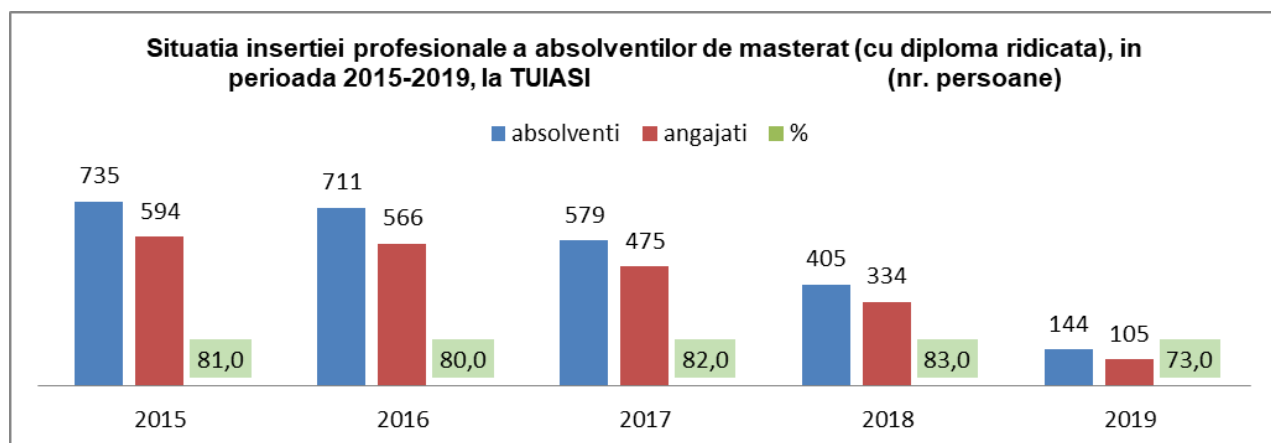
*For 2015-2019, 2574 graduates collected their Master's graduation diplomas, from which 2074 are employed. **The average employability quotient** was **80** % at the end of 2019.*

The results in **Table 6.1** and **Table 6.2** are based on the surveys conducted by the Quality Assurance and Evaluation Department in collaboration with the TUIASI Study Documents Office and Counselling Centre at the time of diploma collection; graduates of each class collect their

diplomas starting with June of the following year and not all graduates are interested in collecting their diplomas right away.

III. MEETING COMPULSORY REGULATORY REQUIREMENTS
A. INSTITUTIONAL CAPACITY
A.1. INSTITUTIONAL, ADMINISTRATIVE AND MANAGERIAL STRUCTURES
A.1.1. MISSION, OBJECTIVES AND ACADEMIC INTEGRITY

"Gheorghe Asachi" Technical University of is a state-funded, non-profit organization promoting research and education as public goods. The University is a legal entity of national significance. "Gheorghe Asachi" Technical University of Iaşi is run based on the Constitution of Romania and Romanian legislation.

The institution abides by the principles of *The Universal Declaration of Human Rights (1948*) and the *Magna Charta Universitatum (1988)* and adheres to *The Bologna Declaration (1999).*

The university is identified through:

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

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

c) academic dress: gown and cap;

d) University Day: November 15;

e) headquarters: Bulevardul Prof. Dimitrie Mangeron, nr. 67, Iaşi, cod poştal 700050, Romania.

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

Anexa A.1.1.1.b HG nr. 209 din 17 mai 1993

TUIASI continues a long-standing tradition in Romanian higher education from its beginnings, in a historic process that was officially recorded on 15 November 1813 by establishing a "class of engineering and land surveying", the first manifestation of technical higher education in our country.

"Gheorghe Asachi" Technical University of Iași has legal entity status, established through the foundational act of the *"Gheorghe Asachi" Polytechnic School of Iaşi* on December 3, 1937.

Anexa A.1.1.1.a Monitorul Oficial nr. 284 din 08.12.1937

Ever since its foundation, it ran uninterruptedly under this name or under the names of "*Gh. Asachi Polytechnic Institute"*, established through the Decree-law for the reformation of the educational system of August 3, 1948 and *"Gheorghe Asachi"Technical University of Iaşi* through Government Decision no. 209 of May 17, 1993.

The teaching activities of all 11 faculties take place in Iaşi county, where the institution is based.

Anexa A.1.1.1.c Certificat atestare ADRESA TUIASI 2018

The university's functioning and organization, the norms regarding academic life, the organizational principles of the teaching activity through graduate and post-graduate courses, the organisation of scientific research activity, the organisational structure for the promotion, evaluation and assurance of quality and of academic ethics, the organisation of the academic, decision-making and administrative university structures are all included in the "Gheorghe Asachi" Technical University of Iaşi Charter. The TUIASI Charter observes the legal regulations and is in keeping with national and European Higher Education Area (EHEA) policies.

Anexa A.1.1.2. Carta TUIASI E4R3

The University Charter was approved through Senate Decision no. 01/ 19.01.2018 (*Anexa A.1.1.2.a Aprobare HS Carta 2018*) and was endorsed by the Ministry of Education General Legal Directorate no. 24531/25.01.2018 (*Anexa A.1.1.2.b Aprobare MEN Carta TUIASI*). The TUIASI Charter is accessible to the community through the university webpage.

http://www.calitate.tuiasi.ro/Carta%20TUIASI_E4R3.pdf

The rules, procedures and methodologies are updated in keeping with the current legislation and are comprised in the *Procedure manual*, managed at TUIASI by the Quality Assurance and Evaluation Department, posted on the university website at:

https://www.tuiasi.ro/manualul-procedurilor/

The students' professional activity during Bachelor's, Master's, post-graduate and doctoral studies is regulated by specific procedures that highlight all stages: application, admission, teaching, passing from one academic year into the other or merging two academic years, transfer between faculties and between higher education institutions etc. These specific procedures are included in the TUIASI *Procedure Manual* under the chapter Operational procedures for basic processes/Operational Procedures for the Vice-Rectorate for Academic Affairs and Quality Assurance :

https://www.tuiasi.ro/manualul-procedurilor/#proceduri-operationale-procese-baza

Anexa A.1.1.2.c1 Organizarea activitatii didactice studii universitare licenta, PO.DID.01

Anexa A.1.1.2.c.2 Organizarea activităţii didactice studii universitare, PO.DID.02

Anexa A.1.1.2.c.3 Organizare admitere la studii universitare de licenţă, PO.DID.05

Anexa A.1.1.2.c.4 Organizare admitere la studii universitare de masterat, PO.DID.06

Anexa A.1.1.2.c.5 Admitere la studii pentru romanii de pretutindeni, PO.DID.07

Anexa A.1.1.2.c.6 Finalizarea studiilor licenta (ciclul I – Sistem Bologna), PO.DID.08

Anexa A.1.1.2.c.7 Finalizarea studiilor de masterat (ciclul II – Bologna), PO.DID.09

Anexa A.1.1.2.c.8 Activităţi didactice - postuniversitare de formare, PO.DID.19

Anexa A.1.1.2.c.9 Organizarea program de formare psihopedagogică, PO.DPPD.01

Anexa A.1.1.2.c.10 Admitere la programul de formare psihopedagogică PO.DPPD.03

Anexa A.1.1.2.c.11 Elaborarea şi susţinerea tezei de doctorat, PO.CSUD.01

Anexa A.1.1.2.c.12 Admitere în ciclul de studii universitare de doctorat PO.CSUD.02

Anexa_A.1.1.2.c.13_Recunoaştere_calitate_conducător_doctorat_obtinuta_în_strainatate_PO.CSUD.03

Mission and objectives

The university's teaching and research mission, which sets its apart in the national and European higher education system, is supported in all its specific and opportunity elements in keeping with the national framework of workforce qualifications and demands, through the teaching and research mission of the 61 Bachelor's programmes and 15 Master's areas of study (comprising 70 programmes) on offer.

(*Anexa A.1.1.1.d Structura universitatii 2021-2022*).

"Gheorghe Asachi" Technical University of Iaşi is an institution of advanced higher education and research whose mission is to carry out specific activities pertaining to the creation and use of knowledge and its transfer to society in the fundamental areas of engineering sciences, architecture and urban planning, as well as inter-disciplinary and complementary fields, the local community, at the regional, national and international level.

"Gheorghe Asachi" Technical University of Iaşi takes on, according to the **mission and objectives** stated in the University Charter, the role of educational, scientific research and cultural forum. Among its prerogatives we can find:

a. the role of passing on knowledge to new generations, of professional training through a study system consisting of three cycles – Bachelor's, Master's, doctoral – and postgraduate lifelong learning courses. At each level, the university aims to stimulate critical thinking and creativity so as to make sure that graduates have real chances in the labour market competition. At the same time, the institution is intended for all members of society with a view to their permanent instruction, on keeping with the evolution of science and technology worldwide;

b. carrying on scientific research, development, innovation and technological transfer activities, and disseminating their results, in association with teaching, are inseparable components of the training process, meant to facilitate the technological, economic, social and cultural progress of society.

Anexa A.1.1.3.c Misiunea si Obiectivele TUIASI 2016-2019

Anexa A.1.1.1.e Misiunea didactica si de cercetare programe studii

Anexa B.3.1.1.b Strategia cercetarii-termen mediu

Anexa B.2.1.3.c Şcoala Doctorală

Academic integrity

The academic deontology and ethics code are part of the "Gheorghe Asachi" Technical University of Iaşi Charter and the observance of its provisions is mandatory for all persons

belonging to the academic community or engaged with the university, such as: students and learners (of all programmes), members of administrative staff, leadership members, full-time members of staff, tenured or adjunct, institutional partners.

The code establishes the professional ethics standards that the academic community seeks to follow and the sanctions that can be incurred if they are violated.

http://www.calitate.tuiasi.ro/TUIASI.COD.01_Codul%20de%20etica_E3R0%20(1).pdf

The **Academic Ethics and Professional Deontology Committee** *(CEDPU)* also exists within the university, basing its activity on the „*Regulation for the organization and functioning of the Academic Ethics and Professional Deontology Committee, cod. REG.17*", included in the Procedure Manual, available at the following address:

https://www.tuiasi.ro/wp-content/uploads/2020/04/REG.17_E3R1.pdf

Anexa A.1.1.4 Comisia de etica CEDPU - HS 234_29.09.2020

The position of Academic Ethics and Professional Deontology Committee (CEDPU) within the university structures is stated in the organisation chart, available at the following addresses:

https://www.tuiasi.ro/informatii-de-interes/
https://www.tuiasi.ro/wp-content/uploads/2020/07/organigrama-2019.pdf

CEDPU enforces the provisions of the Academic Ethics and Professional Dentology Code, and the results of conducted evaluations are recorded in yearly activity reports included in the Reports regarding the state of "Gheorghe Asachi" Technical University of Iaşi presented to the entire academic community at the end of every academic year.

https://www.tuiasi.ro/wp-content/uploads/2019/03/Raport-starea-universitatii-TUIASI-2018-.pdf

https://www.tuiasi.ro/wp-content/uploads/2020/04/1.-Raport-starea-universitatii-TUIASI-2019-V3-final-21.04.2020.pdf

https://www.tuiasi.ro/wp-content/uploads/2021/04/1.-Raport-starea-universitatii-TUIASI-2020-final-31.03.2021.pdf

In 2015-2020, the Academic Ethics and Professional Deontology Committee got involved in the management of complaints regarding the violation of ethical codes, analysed and drafted Case reports for all received complaints. A number of 18 complaints were registered and solved. Following the analysis of the complaints, 14 were not confirmed, while 4 were confirmed (in 2 cases with suspicion of plagiarism, and in other 2 cases with violations of the Code of Academic Ethics and Professional Deontology). Sanctions were established consisting of withdrawing and/or correcting the books, in the cases of confirmed plagiarism, and wage penalties for the violations of the Ethics Code.

Anexa A.1.1.4.a Sesizari analizate de Comisia de etica 2015-2020

At TUIASI, starting with the 2018-2019 academic year, with the implementation of new

ARACIS standards in the curricula, ethics and integrity classes were included. To ensure the specialized training of ethics and integrity instructors, the university organised a postgraduate class entitled "Academic Quality, Ethics and Integrity" to that effect, organized at the Studies and Consultancy Centre for Educational Quality, Ethics and Academic Integrity (CEEIA), set up through a project financed from institutional development funds whose objective is to train the human resource that will teach academic ethics and integrity classes.

Public Responsibility and Accountability

A Public Internal Audit Office is part of TUIASI organizational structure a (CAPI), under the direct tutelage of the University rector, under the coordination of the Public Internal Audit Service of the Ministry of Education and Research. CAPI is organized with the purpose of improving the public entity's management through assurance and counselling activities.

Internal audit procedures are regulated and take place objectively, independently, impartially and periodically at the level of the entire institution and its compartments and regards all fields connected to public accountability. According to audit plans, a yearly Public Internal Audit Report is drafted, on the basis of which correction/improvement plans are made and implemented for activities at the level of compartments and of the entire institution.

Anexa A.1.1.5.a Planuri de audit public intern 2015-2021

Anexa A.1.1.5.b Rapoarte activitate de audit public intern 2016-2020

The Committee for Quality Assurance and Evaluation also fulfils a role of internal audit, drawing up yearly the quality reports and submitting them to the Senate for approval. The reports are included in the Report on the state of the university, and are published on the TUIASI website. The Court of Accounts is the one to conduct the external audit activities. The last mission of this institution took place at the university in 2016.

A.1.2. LEADERSHIP AND ADMINISTRATION
LEADERSHIP SYSTEMS

The general rules and provisions according to which university activities are carries out are included in the "Gheorghe Asachi" Technical University of Iaşi (REG.01) Internal Regulation and in the "Gheorghe Asachi" Technical University of Iaşi Regulation for Organization and Functioning (REG.04).

Anexa A.1.2.1.a Regulamentul Intern REG.01 E1R6

Anexa A.1.2.1.b Regulamentul de Organizare si Functionare REG.04 E1R0

These fundamental regulations are published in the Procedure Manual, at the following addresses:

https://www.tuiasi.ro/wp-content/uploads/2020/03/REG.01_E1R6.pdf

http://www.calitate.tuiasi.ro/REG.04-E1R0%20ROF%20TUIASI.pdf

"Gheorghe Asachi" Technical University of Iaşi observes the legal provisions for the election of collective leadership structures (Faculty and Senate Councils), as well as leadership positions. The methodology for the organisation and running of the constitution and election process of academic leadership positions at "Gheorghe Asachi" Technical Universitu of Iaşi is regulated through the Procedures regarding the constitution and election procedures regarding the election of academic positions, posted on the TUIASI website under Procedure Manual.

Anexa A.1.2.1.c Alegere structuri de conducere academica 2016-2020

https://www.tuiasi.ro/wp-content/uploads/2020/06/PO.POM_.05_E4R5.pdf

The Rector organises a public exam to select Deans, according to the Dean selection manual.

Anexa A.1.2.1.d Regulament selectie decani, 2016-2020

https://www.tuiasi.ro/wp-content/uploads/2020/05/PO.POM_.06_E2R2.pdf

For the 2016-2020 and 2020-2024 terms, the ways in which the rector was elected was established through a referendum. Electing the University Rector, according to the referendum results, took place through the universal, direct and secret vote of the tenured teaching staff, researchers and student representatives in the Faculty Councils and University Senate. The Rector was confirmed through the Minister of Education, Research and Youth Order no. 3337 of 04.03.2016. For the 2020-2024 term, the TUIASI rector was confirmed through Order no. 3441 of 05/03/2020.

Anexa A.1.2.1.e Metodologie de desemnare a Rectorului

Anexa A.1.2.1.c Alegere structuri de conducere academica 2016-2020

Anexa A.1.2.1.f Confirmare Rector legislatura 2016-2020

Anexa A.1.2.1.g Confirmare Rector legislatura 2020-2024

"Gheorghe Asachi" Technical University of Iaşi teaching staff consists of tenured higher education teaching staff on a fixed contract with the university or the internal leadership structure where they work, are professors, associate professors, lecturers whose posts are not reserved.

Anexa A.1.2.1.j Personalul de conducere TUIASI 2016-2020

Anexa A.1.2.1.k Personalul de conducere TUIASI 2020 - 2024

The university's operative leadership is assured by the Administrative Council comprised of the Rector, vice-rector, the director of the Council for Doctoral studies, deans, the general administrative director and a student representative.

Anexa A.1.2.1.h Membrii Consiliului de Administratie TUIASI, 2016-2020

Anexa A.1.2.1.i Membrii Consiliului de Administratie TUIASI, 2020-2024

The University Senate represents the academic community and is the highest authority of "Gheorghe Asachi" Technical University of Iaşi. The Senate's functional units are: The Senate

Office; Specialisation Committees; Senate Secretariate. Activities on specific areas are managed by the Senate's Specialty Committees:

- Committee for study programmes, quality assurance and evaluation;
- Committee for research/development, entrepreneurship and public-private partnership;
- Committee of International Relations, university image and honorary titles;
- Committee for student activities and sodematercial services;
- Committee for institutional strategies, infrastructure and financial management;
- Committee for computerisation and digital communication;
- Committee for Chater, ethics, regulations and incompatibilities.

Anexa A.1.2.1.l Membrii Senatului TUIASI 2020-2024

TUIASI University implemented a management system that uses information and communication systems that involve the members of the academic community, including students, administrative staff, as well as the other beneficiaries and partners of the university, thus responding to public interest. The Google Drive platform is used, as well as TUIASI electronic mail, through the TUIASI institutional accounts of the university's employees and students. The university has a Computerisation Management Office whose mission is to manage activities pertaining to the "Gheorghe Asachi" Technical University of Iaşi IT system, in keeping with the strategy decided upon at the level of university leadership regarding the introduction and development of IT technologies in teaching and research activities. The department ensures the implementation of these decisions of the university's leadership regarding the IT system.

Anexa A.1.2.1.m Raport activitate Directia Informatizare

Anexa A.1.2.1.n Regulament Compartiment de Management a Informatizarii

The functionality of leadership structures and their integration in the decision-making chain is reflected in TUIASI university organisation chart. The TUIASI organisation chart is filled by its own staff corresponding to professional qualification requirements demanded by the occupation of positions stated in the position charts for teaching and research staff, as well as administrative staff.

Anexa A.1.2.1.o OrganigramaTUIASI

Anexa A.1.2.1.o.1 Situatia posturilor la 31.12.2020

Anexa A.1.2.1.p State functii personal didactic

Anexa A.1.2.1.r State functii personal cercetare

Anexa A.1.2.1.t State functii - personal auxiliar si nedidactic - Administrativ

Anexa A.1.2.1.u State functii - personal didactic auxiliar - Facultati

Anexa A.1.2.1.r.1 Metodologie state functii didactice

A.1.2.1.e The university libraries are run by mainly specialised staff. Thus, out of the 27 library employees, 26 (25 with higher education degrees and 1 with secondary degree) are graduates

of postgraduate or postsecondary studies in the field of Library and Information science, while one employee occupies the position of financial administrator with a higher education degree.

Anexa A.1.2.1.s Personalul Bibliotecii TUIASI

Strategic management

The "Gheorghe Asachi" Technical University of Iași strategy for the current term is based on the University Rector's Managerial Plan and is conceived with the purpose of ensuring the optimal functioning of all significant activity areas, such as: education, scientific research, the institution's involvement in social, economic and cultural activities, internationalisation (with 7 strategic objectives), investment policy, computerisation, digital communication and university image.

Strategic objectives combines the educational, research and administrative activity at a functional efficiency level similar to that of European universities from the European Higher Education Area, ensuring the university's real competitive force at the national and international level.

"Gheorghe Asachi" Technical University of Iaşi has a strategic plan with a strategic horizon of at least four years and yearly operational plans. The strategic plan is long-, medium- and short-term and is updated yearly or according to the evolution and context of higher education development.

Anexa A.1.2.2.a Plan strategic TUIASI 2016-2019

Anexa A.1.2.2.b Plan strategic TUIASI 2020-2024

TUIASI assures the fulfilment of its mission and the implementation of policies corresponding to each area (education, students, graduates, human resources etc; research; international relations; quality assurance, etc.), transposed in strategic objectives on the long and medium term materialized in specific objectives, activities and measures, stated by the yearly operational plans.

Anexa A.1.2.2.c Planuri operationale TUIASI 2015-2020

Part of strategic management are the yearly activity reports of the organisational structures (faculties, departments, directorates, offices) that comprise the accomplishments or lack thereof in the operational plans and, implicitly, of strategic plans. According to the provisions of art. 130, pa. (2) of National Education Law no. 1/ 2011, starting with 2011, the University Reports for the entire period were drafted. With a view to the university's future development, particular interest will be paid to the financial sustainability of the new strategic plan by increasing the budget by means of financial resources taken from education, research and services.

https://www.tuiasi.ro/raport-privind-starea-universitatii/

Internal managerial control system

"Gheorghe Asachi" Technical University of Iaşi has an internal/managerial control system whose implementation allows the university leadership to make sure that the public funds were used legally, regularly, efficiently, effectively and sparingly. The Gheorghe Asachi" Technical University of Iaşi internal/managerial control system comprises self-evaluation control systems and the implementation of measures regarding the increase of its efficiency is based on risk assessment.

The Internal/managerial control system implemented at TUIASI is founded on the establishment of the Monitoring Committee (CSCIM) functioning on the basis of an Organisational Regulation which drafts a yearly-updated internal managerial control system *Development Programme,* as well as a periodically updated Register of risks.

Anexa A.1.2.2.d Implementare SCIM

Risk Register 2018/2020 and Yearly Reports (2016-2020) regarding the implementation of the Internal Managerial Control System are posted on the TUIASI website:

https://www.tuiasi.ro/cscim-comisia-sistemului-de-control-intern-monitorizare/

Effective administration

The University's administration observes the legal regulations in force, is effective regarding the staff's organisation, number and qualifications, and runs thoroughly, through the services provided to the academic community.

The computerisation level in administration is comparable to that of the European Higher Education Area. TUIASI has a transparent information and communication system (internet, portals, e-mails etc.) with students, staff and interested parties.

Anexa A.1.2.3.a Administratie eficace
https://www.tuiasi.ro/directia-generala-administrativa/

A.2 MATERIAL RESOURCES

A.2.1 ASSETS, EQUIPMENT, ALLOCATED FINANCIAL RESOURCES, STUDENT AID

Spaces for learning, researching and other activities

TUIASI ensures research and learning spaces that correspond to its specificity (lecture theatres, teaching and research laboratories, seminar rooms, library halls, etc.), in accordance with the technical, safety, and health and hygiene regulations in force. Adequate accommodation spaces are equally ensured to students, as well as different social, cultural and sports venues. TUIASI provides, on campus and in terms of campus accommodation, learning and research spaces, residence halls, a cafeteria, other activities with facilities for students with disabilities.

"Tudor Vladimirescu" accommodation campus lies on about 14 ha, counting 21 residence halls accommodating 7,481 students, a cafeteria with the best prices in town, a clinic and a sports

centre made of six outdoor fields, a fitness hall, an aerobics hall, a strength training hall and a team sports hall. The first residence halls, built in 1969, were T1-T2 and T3-T4, while the latest were T18 and T19, completed in 1982.

"Tudor Vladimirescu" is one the biggest campuses in Romania; it has a certain feel to it, and it is the heart of the student life in Iasi, a quality acknowledged even by the students of the other universities of Moldova's capital city. Indicators about the learning spaces TUIASI offers are detailed in Annex 2 of the Visit Form.

Anexa 2FV Spatii invatamant-situatie centralizatoare

Anexa A.2.1.1 Patrimoniu imobiliar 2020

Anexa A.2.1.1.a Spatii invatamant, cercetare, camine studenti dizabilitati

Anexa A.2.1.1.b Autorizatii Sanitare

In order for the study programmes and research activities to be implemented, depending on the targeted mission and objectives, the number of places in the lecture theatres, seminar rooms and laboratories is correlated to the timetables, as well as to the size of the study groups (series, groups, subgroups, etc.).

Anexa A.2.1.1.c Situatia achizitiilor 2015-2020

Anexa A.2.1.1.d Capacitatea spatiilor de invatamant

Anexa C.3.1.3.1 Orare TUIASI

TUIASI established objectives pertaining to the development of the material resources, as well as to the modernisation of the existing spaces, allowing, in relation to the anticipated revenues, to develop realistic investment plans. Major investment projects, already achieved and implemented, were "Thermal rehabilitation of the CH building", "Thermal rehabilitation and consolidation of the EN building", "Thermal rehabilitation of the TEX2 building of the Faculty of Textile and Leather Engineering and Industrial Management".

Anexa A.2.1.1.e Situatia investitiilor 2015-2020

Anexa A.2.1.1.f Proiecte de investitii

The library of "Gheorghe Asachi" Technical University of Iaşi provides the users (Bachelor's / Master's / doctoral students, and teaching and research staff) with the possibility to stay informed and to do their research, offering a publication collection of 840,320 books, as well as access to scientific electronic resources, with the purpose of supporting the teaching and the research processes (corresponding to the subjects provided in the curricula by cycle of higher studies).

The library carries out its activity in seven branches, equipped with reading rooms and borrowing halls. The reading room of the Library in Building "A" of the university, with an architecture which places it among the first most beautiful libraries in the world, is also open to visitors.

Anexa A.2.1.1.g Biblioteca TUIASI- Prezentare generala

The activity of the library takes place in its 7 branches, with 7 open-stack reading rooms, 6 borrowing halls and 12 closed stack halls.

Any user with a subscription in one of the library branches has access to all reading rooms and can consult publications and the databases that the library provides access to.

The library includes a total of 13 halls, with a total surface of 1,820.72 m^2, of which:

- 7 reading rooms, with a surface of **1,451.32** m^2;

- 6 borrowing halls, with a surface of 369.40 m^2.

The library also has 12 closed stack halls, adding up to 1,563.10 m^2.

The reading rooms and the borrowing halls of the library are open to the public from Monday to Friday, between 8:00 am and 3:00 pm, except for the exam periods, when the reading rooms of the library are open to the public from 8:00 am to 8:00 pm.

The library offers, in its seven reading rooms, the necessary number of study places.

The number of study places was also increased by establishing a number of reading rooms inside the residence halls on "Tudor Vladimirescu" campus. Besides the library branches therefore, there are over 500 especially arranged study places in the residence halls, 50 places in the Learning Centre Remedium financed by World Bank, as well as over 500 study places in the buildings of the faculty departments.

Anexa A.2.1.1.h Spatii de studiu in biblioteci

Anexa A.2.1.1.i Locuri in sali de lectura

Anexa A.2.1.1.j Spatii studiu in Campusul studenesc

Equipment in learning spaces

The equipment of the halls for teaching activities (lectures, seminars, practicums, projects, studios, etc.) is similar to that of EHEA and consists of technical equipment (teaching, communication, practicums, design, etc.) that facilitates the teaching staff's activities and improves the students' receptivity and involvement.

A detailed presentation of the spaces used by TUIASI is included in the overviews that are part of the annex

Anexa A.2.1.2.a.1 Detalierea spaţiilor folosite TUIASI .

Anexa A.2.1.2.a Dotare cu echipamente tehnice de invatare predare si comunicare

Anexa A.2.1.2.a.1 Detalierea spatiilor folosite TUIASI

The equipment in the laboratories meant for research activities is similar to that of laboratories in the European Research Area. The equipment and facilities of the research laboratory meet the requirements imposed by the approaches of the current scientific themes in the areas of study specific to TUIASI.

Anexa A.2.1.2.b Laboratoare cercetare

In order for the curricular IT practicums to take place in the laboratories with computing equipment, for one study group there is one computer for two Bachelor's students at the most, and for each Master's student.

Anexa A.2.1.2.c Dotarea laboratoarelor de specialitate cu tehnica de calcul

"Gheorghe Asachi" Technical University of Iaşi owns the license software necessary to the subjects included in the curricula. Within the university, there are over 1,200 software programs, corresponding to the subjects included in the curricula.

Anexa A.2.1.2.d Dotarea TUIASI cu software

TUIASI provides the students with the adequate amount of coursebooks and resources (e.g. guides/course material) necessary in the teaching process that were developed by the teaching staff (in an electronic or paper format).

Politehnium Publishing House was founded, according to Decree no.151/1975, art.8, with the approval of the Ministry of Education and Science no. 31279/ 27.03.1991, within the Technical University of Iasi, with the name of "Gheorghe Asachi" Publishing House. As of March 2004 it is called Politehnium Publishing House.

The publishing house supports the education process and the scientific research activity by publishing the following types of materials: treatises, professional textbooks, specialised monographs, general knowledge books, technical-scientific dictionaries and encyclopaedias, different collections for the vulgarisation and history of science, doctoral theses, course materials, guides, coursebooks, collections of problems, calculation programs and their user guides, academic event proceedings, bibliographies, catalogues, leaflets, science-fiction literature, periodicals, etc.

Anexa A.2.1.2.e Editura Politehnium -Titluri carte editate 2015-2020

The university board ensures that the course materials and the other materials necessary in the education process, developed by the teaching staff, are copied and made available to students in an adequate number.

Anexa A.2.1.2.f Cursuri si lucrari multiplicate

The IT infrastructure and the e-learning platforms are efficiently administered and maintenance is permanently provided for proper operation.

The IT and Digital Communications Office administrates both the IT infrastructure and the university accounts on Google, Microsoft, Cisco Webex, and the moodle platform https://edu.tuiasi.ro.

The library ensures the development of the publication collections that are necessary in the education and research programmes. The collections of "Gheorghe Asachi" Technical University library are supplemented by means of purchasing new publications, on the basis of purchase

requisitions made up by each faculty, by means of donations and by internal and international exchange relations with different collaborators and partners in the country and abroad.

The collections of periodicals were supplemented with journals by purchases, exchanges and donations (around 150 titles). The exchange relations for publications that were developed by the library are based on the nine sections of the Bulletin of Polytechnical Institute of Iasi, as well as on other publications upon the lecturers' proposal. The library has publication exchange and collaboration relations with 39 partners in the country (in 21 cities) and with 188 partners abroad (from 33 countries). Furthermore, the library provides access to the InfoStandard database, which includes collections of full-text Romanian standards and access to the legislation database SINTACT.

Through the project "*ANELIS PLUS 2020 – electronic national access to the scientific literature for the support of the research and education system in Romania*", the library provides the users with access to the following electronic information and documentation resources, covering a wide range of specialisations in the field of science, technologies and related areas: (a) 5 full-text databases / platforms of journals (*Science Direct Freedom Collection Journals ACCES*, *Springerlink Journals, EBSCO Academic Search Complete, IEEE/IEL, Wiley Journals)*, 2 bibliographic and bibliometric databases (*Clarivate Analytics* and *Scopus)*; (b) 4 historical archives from the publishing houses Elsevier/Science Direct Backfiles, Elsevier/Science Direct current archives 2017-2019, Springer-Nature/Springer Online Journal Archives, Wiley/Wiley Journal Backfiles; (c) electronic books from the publishing houses Elsevier – 67 series with 590 unique titles – and Wiley – 6 collections, with 563 titles.

Anexa A.2.1.2.g Abonamente publicatii periodice

Anexa A.2.1.2.h Schimb international de publicatii

For all the subjects designed in the curriculum with lab activities, there are laboratories fitted with corresponding equipment and facilities so that all practicums included in the compulsory subjects syllabuses could take place.

Anexa A.2.1.2.i Dotare laboratoare didactice

Financial resources for teaching activities

TUIASI has the financial resources and revenues, in the long run, to achieve the strategic objectives and to ensure the continuity of the targeted mission. For instance, in 2020, by the Institution Contract, the university was allocated the sum of 238,317,884 lei, of which payments were done for the following types of expenses:

- Personnel expenses amounting to 144,313,221 lei;
- Goods and services expenses amounting to 11.437.803 lei;
- Other expenses, amounting to 1,211,842 lei;
- Student transportation expenses amounting to 939,670 lei;

- Scholarships expenses amounting to 30,210,978 lei.

Anexa A.2.1.3.a Buget_2020

Anexa A.2.1.3.b Estimare_Buget 2021-2024

TUIASI necessary financial resources in the short, medium and long run and the development of the budget are established following a process of analysis of the financing needs, on the basis of the managerial strategy. In developing the budget, the forms of education, the student diversity, the scholarships for students, the student services, etc. are all taken into consideration. The students are informed, by their representatives in the Senate, Administration Council and Faculty Council, about the existence and the allocation of resources and about the way the budget is designed.

Anexa A.2.1.3. Sinteza finantarii instit 2015-2020

Anexa A.2.1.3.c Conturi de trezorerie

TUIASI has also other financial resources, among which student tuition, rental income from leases, donations, sponsorships, collaboration agreements, etc. The tuitions are calculated by each faculty according to the budget allocation, are submitted to the analysis of the faculty councils, of the Administration Council, and are approved by the Senate. The tuitions are presented to the students by adequate communication means (faculty sites, CSUD site, faculty noticeboards, leaflets, brochures, faculty secretariats).

Anexa A.2.1.3.d Taxe scolare 2020-2021

https://www.tuiasi.ro/

Scholarships granting system and other forms of aids for students

TUIASI has a Regulation for the granting of scholarships and other forms of aid for students, applied consistently, transparently, without gender or any other type of discrimination. The scholarships are granted from public allocations and/or internal resources.

Anexa A.2.1.4 Burse si alte forme de sprijin material

Anexa A.2.1.4.a Procedura acordare burse PO.PRS.03 E2R3

The students get financial aid to participate in different extracurricular activities, such as research projects, scientific events, student competitions, paper publication, etc.

Anexa A.2.1.4.b Sustinere materiala studenti

Administrative personnel of services for student aid

The higher education institution has 176 employees who in their capacity of qualified administrative personnel support the students and ensure means of continuing education aiming at the development of their competences.

Anexa A.2.1.5. Personal administrativ - Relatia cu studentii

Anexa A.2.1.5.a Chestionare sprijin servicii studenti

A.3. TEACHING STAFF

Conditions of access to teaching positions

TUIASI has efficient, equitable and transparent mechanisms for the academic staffing. All teaching positions in the university were occupied by competition, meeting all legal conditions. The great majority of the positions are occupied by tenure staff, whose professional qualifications correspond to the requirements for the positions provided in the chart. The other positions are occupied by adjunct teaching staff. The applications for open positions attest to the fact that, as they advance in their career paths, the teaching staff has approached new subjects, in accordance with the dynamics of the specialisation; this is supported by both the results of scientific research and the publication of teaching materials, and the future directions included in the career development plan.

Anexa A.3.1.1.a Personal didactic titular si asociat, 2015-2020

Legal conditions to occupy open positions are met as follows:

- publishing the open positions with the approval of the ministry:

http://jobs.edu.ro
https://www.tuiasi.ro/posturile-didactice-pachet-de-informatii/
https://www.tuiasi.ro/noutati/concursuri-posturi-didactice-la-universitatea-tehnica-gheorghe-asachi-din-iasi/

- organising the competition in accordance with the law provisions and with the university's internal procedures (Procedure for the organisation and carrying out of the competitions for open teaching positions, cod PO.DID.10):

http://www.calitate.tuiasi.ro/PO.DID.10-E2R5-procedura%20%20concursuri%20didactice.pdf

In TUIASI the legislation limiting the number of teaching loads that could be covered by a tenure lecturer during an academic year is observed.

Anexa 5FV Grad ocupare personal didactic 2021

Anexa 1FV Lista personal didactic an universitar 2020/2021

Anexa A.3.1.1.b Personal didactic angajat perioada determinata 31.12.2020

Anexa A.3.1.1.c Personal didactic titularizat 31.12.2020

Occupation of teaching positions

The retired teaching staff, numbering 79, cover no more than one teaching load in the university.

Anexa 5FV Grad ocupare personal didactic 2021

Anexa A.3.1.2.a Angajare personal didactic asociat, procedura TUIASI.POB 15.1_E2R3

Anexa A.3.1.2.a.1 Metodologie plata activitatilor didactice in regim de plata cu ora 2020-2021

Anexa A.3.1.2.a.2 Norme didactice - personal didactic asociat pensionat

In TUIASI, for each of the 61 study programmes in the Bachelor's studies cycle, at least 70% of the total number of positions in the chart, established in compliance with legal requirements, are covered by full-time or reserved-position teaching staff, tenured in the higher education institution in accordance with the legal regulations considering that most of the vacancies are occupied by tenured teaching staff. Among them, at least 25% are professors and associate professors.

The real situation in TUIASI is presented in the table below:

Academic year	Total number of positions	Tenured teaching staff (including assistants temp. contract)*	%, including assist. temp. contract	%, excluding assist. temp. contract	Professors and associate professors among the tenured teaching staff	%
2016/2017	1052	724+169=893	84.88	81.74	169+181+11+14=375	41.99
2017/2018	1005	707+159=866	86.19	83.28	161+173+11+13=358	41.34
2018/2019	1026	682+184=866	84.40	81.67	149+166+11+13=339	39.14
2019/2020	1022	674+132=806	78.86	75.83	144+167+1+24=336	32.87
2020/2021	1046	662+126=788	75.33	71.51	138+165+3+21=327	31.26

*The sum refers to the tenured teaching staff and the adjunct teaching staff.

Anexa A.3.1.1.a Personal didactic titular si asociat, 2015-2020

Anexa 5FV Grad ocupare personal didactic 2021

Anexa A.3.1.2.b Personal didactic titularizat Profesori-Conferentiari la 31.12.2020

TUIASI ensures the compliance with all legal conditions for access to teaching positions for the adjunct teaching staff who do not have tenure in higher education. The hiring of specialists of acknowledged scientific and professional prestige as visiting lecturers is approved by the Senate of TUIASI.

Anexa A.3.1.2.a Angajare personal didactic asociat, procedura TUIASI.POB 15.1_E2R3

Anexa A.3.1.2.a.1 Metodologie plata activitatilor didactice in regim de plata cu ora 2020-2021

Anexa A.3.1.2.a.3 Cadre didactice asociate, netitularizate

The adjunct teaching staff who work on a full-time basis in a different higher education institution are to make known, by means of a written declaration, to the head of the institutions where they work on a full-time basis, as well as to the head of the institution where they work as adjuncts, the total amount of hours they work by the adjunct agreement. The teaching staff who work on a full-time basis in TUIASI can carry out activities in other institutions upon the Senate's approval only.

Anexa A.3.1.2.d Activitati cadru didactic asociat aprobate

Teaching Staff Qualification

The course coordinators in TUIASI have the initial training and the necessary competences in the area of the subjects they teach. For each programme of study in the university there is a presentation of how the course coordinators fulfil at least one of the following conditions:

- they attended Bachelor's studies in the area of the taught subjects;

- they are doctoral advisors in the area of the taught subjects;

- their doctoral thesis was in the area of the taught subjects;

- they prove they have a significant number of valuable publications in the past five years on topics pertaining to the taught subjects.

Anexa A.3.1.3.a Competente cadre didactice

The teaching staff holding the positions of assistant professors have confirmed teaching training.

Anexa A.3.1.3.b Asistenti-pregatire pedagogica

The course coordinators have developed course materials and other works necessary in the process of education for the subject in question, as provided in the subject syllabus. In the period of on line education, most of the teaching staff of the university designed teaching materials in electronic format.

Anexa A.3.1.3.c Titulari discipline - lucrari elaborate

TUIASI ensures that for at least one Bachelor's studies cycle, the activities provided in the curricula are covered by the teaching staff.

TUIASI has procedures by means of which it ensures that the number and qualification of the teaching staff correspond to the needs of the programmes of study, from both the academic standpoint, and other standpoints, such as student counselling, student support along the study programmes, etc.

Anexa A.3.1.3.d Acoperire un ciclu licenta cu cadre didactice

B. EDUCATIONAL EFFICIENCY

B.1. ADMISSION PROCESS AND STUDENTS" ACADEMIC PROGRESS

B.1.1. STUDENT ADMISSION PROCESS

Principles of the policy of admission to study programmes

The university designed specific procedures that govern the students' professional activities during their Bachelor's, Master's, post-graduate and doctoral studies. The procedures present all phases: application, admission process, educational activity, passing from one year of study to the other or merging two years in one, transferring from one faculty or from one higher education institution to another, etc. "Gheorghe Asachi" Technical University of Iasi applies a transparent policy of student recruitment and of admission processes, publicly announced at least 6 months before the enforcement. The procedures are published on the university site, as the Procedure Manual, as well as on the faculty sites. The admission to a cycle of higher education studies is made only upon presentation of a Baccalaureate diploma or equivalent documents.

Anexa A.1.1.2.c.3 Organizare admitere la studii universitare de licenţă, PO.DID.05

Anexa A.1.1.2.c.4 Organizare admitere la studii universitare de masterat, PO.DID.06

Anexa A.1.1.2.c.5 Admitere la studii pentru romanii de pretutindeni, PO.DID.07

Anexa A.1.1.2.c.8 Activităţi didactice- postuniversitare de formare, PO.DID.19

Anexa A.1.1.2.c.9 Organizarea program de formare psihopedagogică, PO.DPPD.01

Anexa A.1.1.2.c.10 Admitere la programul de formare psihopedagogică PO.DPPD.03

Anexa A.1.1.2.c.12 Admitere în ciclul de studii universitare de doctorat PO.CSUD.02

Anexa A.1.1.2.c.13 Recunoaştere calitate conducător doctorat obtinuta în strainatate PO.CSUD.03

The admission to a cycle of higher education studies is made only upon presentation of a Baccalaureate diploma or equivalent documents, acknowledged by the line ministry (in accordance with annexes to par. B.1.1.1.a).

Admission practices

The admission to higher education studies at TUIASI is organised for the areas and programmes of study that are accredited/have a temporary functioning authorisation, in accordance with the Government Decision in force at the date admission takes place. Admission is based on a set of three combined criteria describing the admission process and establishing the admission requirements and the student selection modalities.

Anexa A.1.1.2.c.3 Organizare admitere la studii universitare de licenţă, PO.DID.05

Anexa A.1.1.2.c.4 Organizare admitere la studii universitare de masterat, PO.DID.06

Anexa A.1.1.2.c.5 Admitere la studii pentru romanii de pretutindeni, PO.DID.07

Anexa A.1.1.2.c.9 Organizarea program de formare psihopedagogică, PO.DPPD.01

Anexa A.1.1.2.c.10 Admitere la programul de formare psihopedagogică PO.DPPD.03

Anexa A.1.1.2.c.12 Admitere în ciclul de studii universitare de doctorat PO.CSUD.02

Anexa B.1.1.2.a.1 Evolutie numar studenti, toate programele studii licenta

Anexa B.1.1.2.a.2 Evolutie numar studenti, toate programele studii masterat

The evolution of the number of students enrolled in all programmes of study during the period 2015-2020 is presented in *Annexes B.1.1.2.a.1* and *B.1.1.2.a.2* .

At TUIASI there is an Admission Regulation, adapted to each cycle of studies. Admission at "Gheorghe Asachi" Technical University of Iasi is organised for the programmes of study that are accredited or have a temporary functioning authorisation, in accordance with the Government Decision and the Rector's Decision in force at the date admission takes place.

The state funded places, approved for the academic year by Government Decision, are assigned to the university by Ministry Order. The university Senate, upon the proposition of the Administration Council, decides how the number of student places is allocated, by faculties, areas of Bachelor's studies and programmes of study, in accordance with the maximum enrolment

capacity established by the Romanian Agency for Quality Assurance in Higher Education, with the demands of the labour market and with the strategic and operational plan of institutional development.

Anexa A.1.1.2.c.3 Organizare admitere la studii universitare de licenţă, PO.DID.05

Anexa A.1.1.2.c.4 Organizare admitere la studii universitare de masterat, PO.DID.06

Anexa A.1.1.2.c.12 Admitere în ciclul de studii universitare de doctorat PO.CSUD.02

Student transfers between universities

Academic mobility represents the students' right to have the transferable credits that they earned in other accredited/temporarily authorised higher education institutions in the country or abroad recognised. The mobility can be internal or international, definitive or temporary, and it concerns all education forms. The recognition of transferable credits in the case of international academic mobilities can be made by the higher education institutions only for the person who proves their student capacity, with relevant documents issued by the higher education institution they attended.

Students can benefit from the following types of academic mobility:

- temporary, between two accredited/temporarily authorised higher education institutions;

-definitive (transfer).

Students can solicit definitive mobilities:

a) within the same higher education institution;

b) to a different university.

At TUIASI, transfer is possible for both state-funded and self-funded students, and is made in compliance with legal provisions related to enrolment capacity and the financing of higher education, by means of agreements between higher education institutions that are accredited / have a temporary functioning authorisation, and in accordance with internal regulations regarding the students' professional activity. TUIASI designed and has consistently applied a Regulation with clear provisions regarding the student transfers between universities. For Bachelor's and Master's studies, the definitive academic mobility can only take place at the beginning of the semester, after the first semester of the first year and up to the end of the first semester of the last year of studies, between programmes of study with the same number of compulsory transferable credits, in the same branch of science.

Anexa B.1.1.3.a Organizare studii universitare de licenta, PO.DID.01

Anexa B.1.1.3.b Organizare studii universitare de masterat, PO.DID.02

Anexa B.1.1.3.c Exemple cereri transfer - licenta

TUIASI provides any student with opportunities related to their educational (repeated years of study, interrupting studies, expulsion, etc.) and professional needs, allowing them to continue, interrupt and resume studies.

Anexa B.1.1.3.a Organizare studii universitare de licenta, PO.DID.01

Anexa B.1.1.3.b Organizare studii universitare de masterat, PO.DID.02

Anexa B.1.1.4.a Ghidul studentului 2019-web tuiasi

B.2 LEARNING OUTCOMES

B.2.1 VALORISATION OF THE ACADEMIC QUALIFICATION OBTAINED

Completion of studies

For the study programmes of TUIASI, the curricula are so designed that going through and graduation from the programmes would be possible in the defined standard period of study. Following the analysis of the evaluation documents made within each Bachelor's programmes of study and Master's area of study, over 65% of the total number of students at the end of each study series passed the graduation examinations. The results obtained by the students during their higher education studies and which result in an academic qualification are certified by the Diploma Supplement. TUIASI issues for all graduates the Diploma Supplement. The diplomas are granted in compliance with the legal conditions.

Anexa B.2.1.1.a Gestionarea actelor de studii, PO.DID.18

Anexa B.2.1.1.b Diplome absolvire studii licenta si master, suplimente diploma

Anexa B.2.1.1.b.1 Model Diploma doctor-certificat UE

Anexa B.2.1.1.b.2 Promovabilitatea la examenul de licenta 2015-2020

Valorisation of education by possibilities to join the labour market

The graduates' career is permanently followed by TUIASI, as part of an internally established system, and it is annually presented in the Report on Quality. In the period 2015-2019, a number of 6,498 graduates picked up their Bachelor's Degrees, out of whom 5,294 are now on the labour market. The average employability rate was 81% at the end of 2019. Furthermore, out of 2,574 Master's studies graduates, 2,074 are now on the labour market. For the Master's studies, the average employability rate was 80% at the end of 2019.

Anexa B.2.1.2. Angajabilitate absolventi pe piata muncii

Continuation of higher education studies

At TUIASI, at least 50% of the graduates from the latest two years of Bachelor's studies graduates are admitted to Master's studies, regardless of the area of study.

A centralised situation for the 10 faculties organising Master's studies programmes is presented in the table below:

Faculty	2019, %	2020, %
Automatic Control and Computer Eng.	59.29	52.71
Chemical Eng. and Environment Protection	67.67	70
Civil Eng. and Building Services	80	82
Machine Manufacturing and Industrial Management	91	94
Electronics, Telecommunications and Information Technology	74.11	68.26
Electrical Eng., Energetics and Applied Information Technology	72.95	72.13
Hydrotechnics, Geodesy and Environmental Eng.	90.5	77.20
Mechanical Eng.	84.8	80.8
Materials Science and Eng.	70.43	67.21
Industrial Design and Business Administration	75	53.85

Anexa B.2.1.3.a Valorificarea calificarii prin continuarea studiilor universitare

Student satisfaction with professional and personal development as ensured by the university

TUIASI analyses periodically the students' opinion about their satisfaction with the educational process, student services and the infrastructure provided by the university.

According to annex B.2.1.4.a, at least 50% of the students assess positively the education/development environment at TUIASI. Information on the extent of student satisfaction is available on the university site (Report on the state of the university).

Anexa B.2.1.4.a Opinia studentilor privind mediul de invatare

Student-focused methods of teaching-learning

To this purpose, in the past 5 years, in the university were organised, by means of projects funded through the Fund of Institutional Development, training courses dedicated to student-focused teaching-learning-assessment modern methods for the teaching staff of the university. Such examples are: the training on online communication "Empower Your Online Public Speaking Competences", July-September 2020, provided by TUIASI; Innovative entrepreneurship for the teaching staff, a postgraduate continuing training programme in Entrepreneurship, provided by TUIASI; Training courses for assessment with Moodle at TUIASI, organised by the Office for Computerisation and Digital Communication, TUIASI, June 2020; Training courses for the utilisation of the electronic platform Microsoft Teams; Training on the information technology

structure aimed at the teaching staff involved in the internal quality evaluation, as part of the project "The System of continuous internal quality evaluation – a barometer of the university strategic management – CALINT-MAROMANAG", December 2019, provided by TUIASI; "Academic Quality, Ethics and Integrity", organised as part of the project "Centre of studies and consultancy for the Quality of Education, Academic Ethics and Integrity (CEEIA-CENTER)", November-December 2018, provided by TUIASI; the project POCU/379/6/21/123975 "Developing the entrepreneurial culture at the students in engineering and architecture, by creating a network of centres of training in entrepreneurship – AntreprenorIng"; "Innovative entrepreneurship for the teaching staff"; the specialisation training course "Key-competences common to several occupations – communication in English", organised by "Gheorghe Asachi" Technical University of Iasi, DPPD, 2017; "The School of inventions" training course, organised by the Institute of Inventions of Iași, 2017; a training specialisation course in technical measuring – improving the knowledge of the soft MCOSMOS 3 ver.4.0, 22-26 June 2015, completed with a graduation certificate from Mitutoyo Information Center of Metrology; the project CNFIS-FDI-2020-0195 "Network of methodical laboratories for the testing and application of successful mechanisms of teaching and assessing, identified and acquired during the process of the teaching staff's continuing training REMET LAB").

The subject syllabuses, designed in accordance with the procedures in force, present the objectives targeted in relation to the programme of study and to the qualification aimed at, the professional and transversal competences, the prerequisites, the student-focused teaching, learning and assessment methods, and bibliography. The syllabuses are analysed within the departments, submitted to debate and approval in the faculty Council. Students' representatives participate in the discussions.

https://www.tuiasi.ro/wp-content/uploads/2021/06/0.PO_.DID_.04_E2R2.pdf

Anexa B.2.1.5.a Procedura de elaborare planuri de invatamant PO.DID.04

The teaching staff use new technologies resources (online debate groups, email groups, personal web pages for the topics, bibliography, electronic format resources and dialogue with the students) and auxiliary facilities (smart boards, flipcharts, video-projectors). At TUIASI, a continuous activity of identification, development, testing, implementation and evaluation of new techniques of efficient teaching/learning processes takes place, including the innovative use of new technologies. In the months of May-June 2020, the university organised training courses on the use of the electronic platforms Microsoft Teams and google.meet, the Training on the information technology structure aimed at the teaching staff involved in the internal quality evaluation, as part of the project "The System of continuous internal quality evaluation – a barometer of the university strategic management – CALINT-MAROMANAG", December 2019, provided by TUIASI; "Academic Quality, Ethics and Integrity", organised as part of the project "Centre of studies and consultancy for the Quality of Education, Academic Ethics and Integrity (CEEIA-CENTER)", etc.

Anexa B.2.1.5.b Sesiuni de formare si activitati training cu cadrele didactice

At TUAISI, the higher education programmes of study integrate internships. TUIASI ensures no less than 30% of the necessary internship places, out of which at least 50% are outside the university. The students are involved in research projects, during all three study cycles. The university provides a number of internship places for the TUIASI students depending on the partners' offer, by faculties. The modalities to access them: the faculty site, by the year tutors or other sources, by applications submitted at the faculty secretariats.

Each faculty, according to the area of study, has partnership agreements with different commercial enterprises. At the university level, in the period 2015-2020, partnership agreements were concluded with: Delphi Diesel Systems Romania (BorgWarner România), S.C. Automobile Dacia S.A., S.C. Renault Mécanique Roumanie S.R.L., Societatea Comercială SILCOTUB SA, SC Hoffmann Industrial Tools SRL Bucuresti; SC Chimcomplex SA, SC Antibiotice SA, S.C. Azomureş S.A., Arcadis project engineering S.A., TÜV Rheinland România S.R.L., SC CONEX Distribution SA, SC ASAM SA, SC TECHNOSTEEL SA, etc.

The internship in the faculties' workshops and in companies is supplemented with study visits to companies, under the supervision of the teaching staff in the specialisation area.

Anexa B.2.1.5.c Stagii de practica

Anexa B.2.1.3.c Şcoala Doctorală

Anexa B.3.1.1.b Strategia cercetarii-termen mediu

In their activity with the students, the teaching staff interact both in their interactive teaching activity, and by teaching and research activities carried out in the laboratories. The educational process is adapted to the students' rhythm of studying.

The teaching-learning strategy also takes into account the particularities of students with special needs, considering and using different methods for the organisation of the teaching, learning and assessing process.

Anexa B.2.1.5.e Tabel proiecte R.O.S.E. 2018 - 2020

TUIASI has partnership contracts with similar institutions in the country and abroad, with a view to developing common programmes of study of joint-programme type.

"**Gheorghe Asachi" Technical University of Iaşi,** as a member of the Romanian Alliance of Technical Universities (ARUT) concluded an agreement that regulates the joint degree integrated programme between the Romanian Alliance of Technical Universities (ARUT) and the Group of National Institutes of Applied Sciences (INSA) in France, allowing for the students joining the programme to obtain the two degrees – the Master's degree in one of the ARUT universities, and the engineer degree (equivalent to Master's degree) in one of the INSA institutes - *http://www.international.tuiasi.ro/ro/acorduri-dubla-diploma*

Furthermore, "Gheorghe Asachi" Technical University of Iași is part of the Erasmus Mundus Joint Doctoral Degree programme (*http://www.international.tuiasi.ro/students/erasmus-mundus*) as a partner in the Consortium - *http://smdtex.ensait.fr/doku.php?id=start*

The university has procedures for equivalency and completion, adequate to the purpose, for all cases of student, teaching staff and adjunct teaching staff mobilities.

> *Anexa B.2.1.5.f Relatii Internat-Misiune, dinamica, proceduri*
>
> *https://www.tuiasi.ro/manualul-procedurilor/#proceduri-prorectorat-international*

Career orientation for students

The teaching staff, advisors or tutors, have office hours for students and personalise supervision upon their request. In the university, a number of 32 ROSE projects were implemented, among which: Learning Centres = 2, Non-competitive grants =10, Summer programmes = 15, Student support = 5. The total amount is 3.59 mil. Euros.

TUIASI is the only university in Iași having received funds to develop two projects of the learning-centre type; in the latest one, "Network of teaching laboratories for general subjects, specific in engineering studies" – NETLAB, teaching laboratories for 1st year students were fitted with modern equipment. The stake of these projects is to reduce the dropout rate and to increase the number of young people who choose an academic career. There are several types of projects, the learning-centre type, the non-competitive projects, which had in view consulting, but also designing working spaces for students, and projects of the bridge- or summer school type, which had in view inviting high school students to universities during the summer.

As part of these projects, a number of 16,533 remedial class hours were organised, as well as a total amount of 1,641 counselling and personal development hours.

> *Anexa B.2.1.5.e Tabel proiecte R.O.S.E. 2018 - 2020*
>
> *Anexa B.2.1.6 Orientarea in cariera a studentilor*

At TUIASI, there is a centre of career orientation called Counselling Centre TUIASI (CC-TUIASI), founded in September 2016 and carrying out its activity in accordance with the Senate Decision no 316 / 22 September 2016, with the University Charter, and with the provisions of the Internal Status and Regulation of functioning. The centre is coordinated by a lecturer with Bachelor's and Master's studies in education sciences.

> *Anexa B.2.1.6.b Centrul de Consiliere*
>
> *Anexa B.2.1.6.c Raport activitate Centrul Consiliere 2020*

B.3. THE ACTIVITY OF SCIENTIFIC RESEARCH

B.3.1. RESEARCH PROGRAMMES

Planning research

TUIASI mission involves scientific research, and research strategy and objectives in the medium term are included in the annual research plans by area of study. The annual research plans include both the research plans of the research centres, the faculties and the departments, and the modalities to capitalise on scientific research at the level of these entities. The internal research plans, by area of study, are included in the strategic plans of the faculties and/or of the departments and of the institution respectively; they are confirmed by documents and include modalities to capitalise on scientific research.

Anexa A.1.1.3.c Misiunea si Obiectivele TUIASI 2016-2019

Anexa A.1.1.1.e Misiunea didactica si de cercetare programe studii

Anexa B.3.1.1.a Planuri de cercetare proprii pe domenii, teme cercetare

Anexa B.3.1.1. Raport autoevaluare institutionala cercetare 2015-2020

The strategy of research in the medium term, as well as the annual plans, are analysed and validated by the university Senate. The annual research plans include research themes by area of study, the research topics or projects, the resources allocated according to the targeted objectives, the deadlines and the result indicators (modalities to capitalise on the research results). The strategic objectives or strategies, and the annual research plans of the research centres, of the doctoral schools, of the faculties and of the departments are analysed and approved within the units or the unit council.

Anexa B.3.1.1.b Strategia cercetarii-termen mediu

Anexa A.1.1.3.c Misiunea si Obiectivele TUIASI 2016-2019

Anexa B.3.1.1.a Planuri de cercetare proprii pe domenii, teme cercetare

The research themes included in the plans enter into the fields of study of the Bachelor's, Master's and/or doctoral studies and meet the needs and requirements of the economic and social environment.

Anexa B.3.1.1.a Planuri de cercetare proprii pe domenii, teme cercetare

The research themes included in the annual research plans enter into the fields of study of the doctoral areas and meet the needs and requirements of the economic and social environment; they were highlighted in the chapter "II.4. Evolution of performance in the field of the Doctoral School activities".

Anexa B.2.1.3.c Şcoala Doctorală

The strategic objectives or strategies and the annual research plans of the doctoral schools are analysed and approved in the units or the unit council. Each coordination Council of the doctoral programmes (CCPD), as well as the Doctoral School, proposes annually a series of research themes specific to each doctoral area of study. All research themes are available at:

http://www.doctorat.tuiasi.ro/Htm/Teme%20cercetare.htm

The structure of the Doctoral School is available online at:

http://www.doctorat.tuiasi.ro/Htm/Componenta_CSUD-2020.htm

Research implementation and results

In the Code of academic deontology and ethics TUIASI included provisions stipulating the fact that scientific research is carried out in compliance with the norms of professional ethics and research ethics, as well as provisions referring to the mechanisms and measures meant to ensure the permanent intransigency against possible violations (including plagiarism) in the research activities and to eliminate the effects of any ethics violation.

Anexa B.3.1.2.a Etica activitatii de cercetare 2015-2020

TUIASI has separate evidence of the financing of research, of research projects and of research results. Furthermore, it has active mechanisms and structures for the evaluation of quality in scientific research (annual evaluation reports and/or self-evaluation of research activity, department scientific committees for the analysis of research results, reviewer committees, etc.).

Anexa B.3.1.2.b Finantarea cercetarii 2015-2020

TUIASI provides an academic culture and climate strongly focused on research; this is evidenced by the number of active research laboratories, the number of research projects submitted and of the projects accepted to funding (at the national and international level), the number of projects funded by economic agents, the scientific academic events organised by the institution (congresses / national and international conferences, student symposia), the number of scientific papers made in the institution and accepted by journals indexed in international databases and/or by publishing houses of national and international prestige, the transfer of knowledge and the technological transfer, etc. The records of revenues and expenses for research in TUIASI are part of the overviews presented in *Annex B.3.1.2.g Evolution of the research activity 2015-2020* and are included in the "Report of self-evaluation of the activity of scientific research with a view to institutional periodic evaluation" at chapter 13, *Annex B.3.1.1. Self-evaluation report_research 2015-2020.*

Results	2015	2016	2017	2018	2019	2020
National contracts worth (PN II and PNCDI III)	7,160,499.98	9,069,112.00	9,674,728.85	9,710,559.46	10,139,482.71	8,270,972.53
Economic environment contracts worth (economic agents)	759,083.08	883,522.16	861,825.41	769,719.38	994,509.03	648,251.51
External contracts worth (total)	41,380,824.10	19,082,109.55	6,946,591.54	8,260,913.98	19,256,392.96	19,594,072.66
out of which: value of external contract with **research dimension involved**	548,062.81	1,196,003.62	1,123,812.35	1,314,618.31	2,096,062.91	4,605,002.44

Anexa B.3.1.2.c Centre de cercetare

Anexa B.3.1.2.c.1 Cultura academica de cercetare TUIASI 2015-2020

Anexa B.3.1.2.h Evidenţa veniturilor si cheltuielilor de cercetare

Anexa B.2.1.3.c Şcoala Doctorală

Anexa B.3.1.1. Raport autoevaluare institutionala cercetare 2015-2020

Research is put to good use by: publications for teaching purposes, scientific publication, transfer of knowledge and technological transfer, specialised consultancy and courses, participations in national and international fairs and exhibitions, invention patents, etc. TUIASI has the Politehnium publishing house, which supports the education process and the scientific research activity by publishing specific materials. The evolution of the research activity at TUIASI is presented in *Annex B.3.1.2.g Evolution of the research activity 2015-2020* and is included in the "Report of self-evaluation of the activity of scientific research with a view to institutional periodic evaluation", at chapter 12, Annex B.3.1.1. Self-evaluation report_research 2015-2020.

Anexa B.3.1.2.g Evolutia activitatii cercetare 2015-2020

Anexa A.2.1.2.e Editura Politehnium -Titluri carte editate 2015-2020

Anexa B.3.1.2.f Buletinul Institutului Politehnic 2015-2020

Anexa B.3.1.1. Raport autoevaluare institutionala cercetare 2015-2020

The results of research at TUIASI are focused on the most relevant indicators among the CNATDCU specific criteria for the research area existing in the university (papers indexed in Web of Science (Clarivate Analytics), papers indexed in acknowledged international databases, single-author books, books edited at national or international publishing houses acknowledged by CNATDCU, book chapters, membership in editorial committees, guest speakers in conferences, etc.).

Anexa B.3.1.2.d Rezultatele cercetarii

Anexa B.3.1.2.e Raport autoevaluare, criterii, indicatori

Anexa B.3.1.1. Raport autoevaluare institutionala cercetare 2015-2020

Application of research results

The research carried out at TUIASI is relevant at the national and the international levels. In the past 6 years, TUIASI has reported the following achievements: scientific papers published in journals indexed in ISI and ISI Proceedings databases – 1731+1723; in international databases (including B+) - 1395; books published at acknowledged publishing houses - 440 – national, 44 - international; patent applications – 171, patents granted - 64;

Anexa B.3.1.3.a. Valorificarea cercetarii 2015-2020

TUIASI organises regularly scientific academic events (scientific meetings, symposia, conferences, round tables, exhibitions, etc.) and the contributions are published in different specific forms (volumes of acknowledged publications, volumes of journals indexed in databases, volumes of conference/symposium proceedings, special issues of journals, etc.). In the period 2015-2020, 203 such scientific events were organised (18 in 2015, 20 in 2016, 50 in 2017, 57 in 2018, 32 in 2019, 26 in 2020). The contributions are published in the event proceedings, the volumes of specialised journals, etc. At TUAISI, the "Bulletin of the Polytechnical Institute of Iași" counts ten

sections, with at least four issues a year: Automatic Control and Computer Engineering section; Chemistry and Chemical Engineering section; Machine Manufacturing section; Civil Engineering and Architecture section; Electrotechnical Engineering. Energetics. Electronics section; Hydrotechnics section; Mathematics. Theoretical Mechanics. Physics section; Social Sciences and Humanities section; Material Science and Engineering section; Textiles. Leather section.

Anexa B.3.1.3.b Conferinte-simpozioane organizate 2015-2020

B.4 – FINANCIAL ACTIVITY OF THE ORGANISATION

B.4.1. BUDGET AND ACCOUNTING

Revenue and expense budget

"Gheorghe Asachi" Technical University of Iaşi has its own budget of revenues and expenses, approved by the Senate for the activity of higher education, it has a tax code and bank account.

Anexa B.4.1.1 Buget, cod fiscal, cont in banca

Anexa B.4.1.1.a Buget

After 84 years of continuous activity, TUIASI owns 100% of the learning spaces and corresponding facilities.

Anexa B.4.1.1.b Acte de proprietate

Anexa A.2.1.1 Patrimoniu imobiliar 2020

Accounting

The university has its own accounting office, it draws up the balance sheet, the budget implementation account, and the management report.

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

Anexa B.4.1.2.a Contabilitate

At TUIASI, the accounting activity is computerised.

Anexa B.4.1.2.b Activitate de contabilitate informatizata

In the Economic Department of TUIASI there are qualified personnel, hired according to legal provisions. The department has 19 employees, out of whom 17 persons completed higher education studies (16 with studies in economics, 1 engineer – working as an asset administrator) and 2 persons completed upper secondary education studies.

Anexa B.4.1.2.c Personal salariat in Directia Economica

Students' tuitions are calculated in accordance with the average schooling costs per academic year in state funded education, in the Bachelor's or Master's areas of study. The calculation method is established annually. Taxes are made public on faculty sites, CSUD site, at the faculty notice boards, by leaflets, brochures, at the faculty secretariats.

Anexa A.2.1.3.d Taxe scolare 2020-2021

Auditing and public responsibility

Generally, the whole activity of the university, therefore the financial and accounting situations as well, is submitted to internal audit by the corresponding office (Public Internal Audit Office – CAPI, which is part of TUIASI organisation chart). Periodically, the financial activity is submitted to an external audit, conducted by the Romanian Court of Accounts. The last audit by the Court of Accounts was conducted in 2016. The results of the internal financial audit, together with the annual analysis of the income budget implementation are debated by the university Senate and made public.

Anexa A.1.1.5.c.1 Curtea de Conturi - Raport de control Nr. 14505 din 15.07.2016

Anexa A.1.1.5.c.2   Curtea de Conturi - Nota de audit 2016

Anexa A.1.1.5.d Ministerul finantelor Publice - ANAF- Proces verbal inspectie 2017

Anexa A.1.1.5.a Planuri de audit public intern 2015-2021

Anexa A.1.1.5.a.1 Plan multianual audit public intern 2015-2021

Anexa A.1.1.5.a.2 Plan strategic audit public intern 2015-2021

Anexa A.1.1.5.b Rapoarte activitate de audit public intern 2016-2020

https://www.tuiasi.ro/raport-privind-starea-universitatii/

For the projects with national and international financing, financial auditing takes place with authorised external auditors, appointed by public procurement procedures. The public procurement procedure is made for batches of projects or for individual projects, according to the requirements of the project, the type, and/or the deadline for phase/contract reports. The value of the concluded provision of services agreements is paid from TUIASI internal revenues or from the project funding contract, if these services are eligible expenditure. The external financial audit for the national and international funded projects having taken place in the period 2015-2020 was made for a number of 236 contracts, with a total sum of concluded services provision agreements amounting to 189,574 lei.

C. QUALITY MANGEMENT
C.1. QUALITY ASSURANCE STRATEGIES AND PROCEDURES
C.1.1. QUALITY ASSURANCE STRUCTURES AND POLICIES
Organisation of the internal quality assurance system

"Gheorghe Asachi" Technical University of Iaşi functions so that, by the quality of the teaching and research activity it would satisfy public trust. The internal culture promoted at TUIASI to assure the quality of activities in the field of education, research and services for the community is based on a system of quality management, with well-defined objectives, policies and procedures.

Anexa C.1.1.1.a. Asigurarea Calitatii TUIASI -Obiective, structura generala

TUIASI has a Committee for quality assurance and evaluation – CEAC – headed by the rector or a coordinator appointed by the rector, and is made of a chairman, three representatives of the teaching staff, one representative of the trade union, one representative of the students, one representative of the employers. The Committee for quality assurance and evaluation has the authority to apply the policy of "Gheorghe Asachi" Technical University of Iaşi in the field of education quality. At TUIASI, quality sub-committees are established at the level of faculties/departments administering programmes of study, which work in a coordinated manner, with complementary and applied actions for the implementation and development of a culture of quality.

Anexa C.1.1.1.a.1 Regulament Comisia Asigurarea Calitatii REG.06

Anexa C.1.1.1.a.2 Numire Comisie CEAC- HS 239_29.09.2020

Anexa C.1.1.1.a.3 Numire Subcomisii CEAC - H.S. nr 02_28.01.2021

Anexa C.1.1.1.a.4 Nominalizare repsonsabili programe de studii licenta master 2020-2021

The policies of quality assurance at "Gheorghe Asachi" Technical University of Iaşi are permanently correlated to the actions promoted at an international level. A major dimension at the international level is the university quality as a member of some of the most important international organisms dedicated to higher education: **EUA** (European University Association), **AUF** (Agence Universitaire de la Francophonie), **EUCEN** (European University Continuing Education Network), **BSUN** (Black Sea Universities Network).

Anexa C.1.1.1.e. Participari la activitati in domeniul asigurarii calitatii

"Gheorghe Asachi" Technical University of Iaşi promotes the development of the culture of quality. This involves forming and displaying a set of attitude reflexes at the individual and at the organisational levels, in an environment regulated by norms and best practices, that would lead to compliance with quality standards and to achieving high performance in all university structures. The culture of quality is displayed at TUIASI, considering that here were established:

- the organisation structure in the field of quality;

- the necessary regulatory framework;

- qualified personnel in the field.
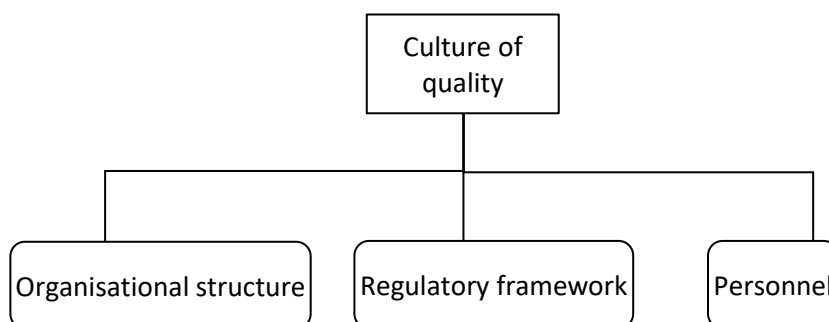
The organisational structure already existing at TUIASI and based on hierarchical relationships is: Senate / CEAC / DEAC / sub-committees for quality assurance.
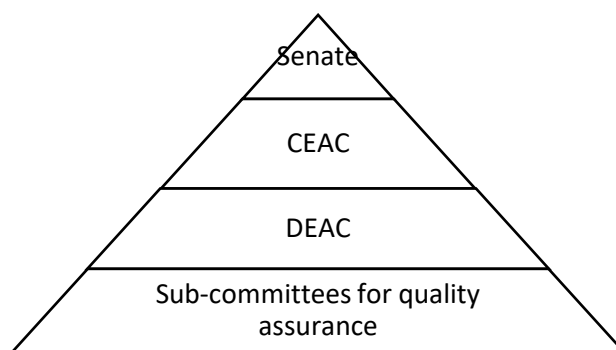
TUIASI promotes a culture of quality at all levels, as well as mutual respect in the relationship teacher-student. The university developed adequate procedures with a view to finding solutions to the students' complaints and review requests as regards the quality of educational processes (Procedure of students' examination and grading, cod PO.DID.14, art.16, 17)

Anexa C.3.1.1.a Examinarea si notarea studentilor, PO.DID.14

Policies and strategies regarding quality assurance

TUIASI monitors the quality of the teaching-learning process, regardless of the way how and place where it is carried out, using procedures of quality assurance for programmes of study that take place as part of a partnership and for international mobility programmes.

Anexa C.1.1.2.a Declaratia rector privind calitatea

Anexa C.1.1.2.a.1 Declaratia rector privind politica asigurarii calitatii

Anexa C.1.1.1.a. Asigurarea Calitatii TUIASI -Obiective, structura generala

Anexa C.8.1.1.a.1 Regulament organizare Comisia CEAC, REG.06

Anexa C.8.1.1.a.2 Regulament organizare Departament DEAC, REG.07

Anexa B.2.1.5.f Relatii Internationale-Misiune, obiective

https://www.tuiasi.ro/manualul-procedurilor/#proceduri-prorectorat-international

The CEAC Committee of TUIASI develops the annual report of internal evaluation and makes it public by posting or publishing it, including in an electronic format, and formulates propositions of education quality improvement.

https://www.tuiasi.ro/comisia-pentru-evaluarea-si-asigurarea-calitatii-ceac/

C.2. PROCEDURES REGARDING THE INITIATION, MONITORING AND PERIODIC REVISION OF PROGRAMMES AND ACTIVITIES

C.2.1. APPROVAL, MONITORING AND PERIODIC EVALUATION OF STUDY PROGRAMMES AND DEGREES CORRESPONDING TO QUALIFICATIONS

The existence and application of the regulations regarding the initiation, approval, monitoring and periodic evaluation of the university's study programmes

The university has a continual dialogue with the National Authority for Qualifications (ANC), with the institutions involved in the national system of qualifications, and consults all competent organisms as regards:

- the alignment of higher education qualifications with the labour market demands;
- the matching of higher education qualifications with qualification levels in CNC;
- the designing of a higher education curriculum starting from the professional competences needed on the labour market.

The reviewing of the study programmes is made in accordance with the demands of the economic agents as regards qualifications and the competences describing the qualifications in question, and even by consulting the latter.

Annually, the faculty Councils establish a committee of collaboration with the business environment (CCMA), made of the study programme coordinators and representatives of the major employers of graduates. This committee is coordinated by the faculty dean or by a lecturer appointed by the latter. The committee organises at least two meetings a year with the committees charged with the designing/revision of curriculum.

https://www.tuiasi.ro/wp-content/uploads/2021/06/0.PO_.DID_.04_E2R2.pdf

Anexa B.2.1.5.a Procedura de elaborare planuri de invatamant PO.DID.04

The procedure for the initiation, authorisation of temporary functioning, monitoring, accreditation/periodic evaluation of Bachelor's and Master's study programmes is associated with a system of study programmes monitoring, on the basis of information and data, consisting in the implementation of periodic evaluation, at the level of each programme of study and of the University.

Anexa C.9.1.1.a Initiere programe licenta si masterat, UTI-POB-06

When developing study programmes at TUIASI, aspects related to the graduates' employability opportunities, and professional and personal development are taken into account. The initiation and development of the programmes were made following studies that take into consideration the current and the future needs of the labour market and of society in general. The study programmes are designed and developed in accordance with the demands of higher education qualifications.

In 2017, as part of a FDI project (CNFIS-FDI-2017-0067 CIRMU, Integrated Centre of resources for university management Domain 6 – Increasing institutional capacity) TUIASI developed a *Market study for the evaluation of the involvement of the business environment in the quality policy of "Gheorghe Asachi" Technical University of Iaşi* whose specific objective was

Promoting and stimulating partnership between the university and the economic agents, with a view to collecting relevant data for the management.

Anexa C.2.1.2.a Studiu piata - Implicare mediu afaceri in politica AQ TUIASI 2017

The market study highlighted, among other things, "a high number of collaboration relationships between doctoral advisors, and prestigious researchers and specialised companies in the country and abroad", as well as the fact that "the value of the university's graduates is validated by the high degree of their employability, due to a significant number of projects carried out by means of structural funds dedicated to student practice".

Anexa C.2.1.2.a.1 Raport intalnire angajatori absolventi - reprezentanti TUIASI

As from 2017, annually, in the Report on Quality the university included and reports on "The situation of high school graduates' admission to university".

https://www.tuiasi.ro/comisia-pentru-evaluarea-si-asigurarea-calitatii-ceac/

https://www.tuiasi.ro/wp-content/uploads/2019/03/2017-Raport-privind-calitatea.pdf

Anexa C.9.1.1.a_Initiere programe licenta si masterat, UTI-POB-06

Alignment of degrees and qualifications

When designing study programmes, a goal is for the students to have opportunities of employability, professional and personal development. The development of the study programmes takes into account the demands of higher education qualifications, following adequate documentation.

https://www.tuiasi.ro/wp-content/uploads/2021/06/0.PO_.DID_.04_E2R2.pdf

Anexa B.2.1.5.a Procedura de elaborare planuri de invatamant PO.DID.04

Degrees are issued in accordance with the higher education qualifications and on the basis of the learning outcomes. The way study documents are filled in and issued is presented in detail in:

Anexa B.2.1.1.a Gestionarea actelor de studii, PO.DID.18

The designing of the Curriculum draft is made by consulting specialists in the economic and social environment as to the competences that should be acquired during the educational process of the specialisation. The phases of this process are:

a. Identifying relationships between departments, the faculty and the university, on the one hand, and the labour market on the other hand (institutional, collaboration, etc. relationships).

b. Establishing tools for the investigation of the labour market from the standpoint of competences (questionnaires, interviews, analyses), studying documents about the occupational regulations at the national and EU levels, studying job descriptions in different companies working in the specialisation area (at the national and EU levels), studying the qualification record, evaluating by contacts, discussions, correspondence with the alumni, etc.

c. Collecting information on the labour market about the competences that higher education graduates are requested to have, analysing and selecting competences in relation to the programme of study.

d. Defining competences, knowledge and skills demanded by the labour market.

The higher education programmes of study are periodically revised, in order for them to match the evolution of higher education and professional qualifications. The revision is made by international comparisons, by consulting specialist representatives from the socio-economic environment, and in accordance with the ARACIS specific standards in the area.

https://www.tuiasi.ro/wp-content/uploads/2021/06/0.PO_.DID_.04_E2R2.pdf

Anexa B.2.1.5.a Procedura de elaborare planuri de invatamant PO.DID.04

Anexa C.9.1.1.a Initiere programe licenta si masterat, UTI-POB-06

Anexa C.9.1.1.b Evaluare interna programe licenta si masterat, TUIASI.POB.07

C.3 OBJECTIVE AND TRANSPARENT PROCEDURES FOR THE EVALUATION OF LEARNING OUTCOMES

C.3.1. STUDENT ASSESSMENT

The higher education institution has a regulation on the students' examining and grading that is rigorously and consistently applied

TUIASI has a Regulation on the students' examining and grading, complied with by both the teaching staff and the students. At the faculty level, there are procedures for examination and grading reviews. Besides the course lecturer, at least another specialist member of the teaching staff participates in the examination.

Anexa C.3.1.1.a Examinarea si notarea studentilor, PO.DID.14

https://www.tuiasi.ro/wp-content/uploads/2021/01/PO.DID_.14_E2R4.pdf

The procedure for the students' examining and grading developed at TUIASI is associated with procedures/techniques/detailed methods of application, under the form of an integrated student examination package, which are consistently brought to the attention of all parties involved in the process of examination.

Anexa C.3.1.1.a Examinarea si notarea studentilor, PO.DID.14

Anexa B.1.1.3.a Organizare studii universitare de licenta, PO.DID.01

Designing teaching and learning

The procedure of designing Curricula is applied at "Gheorghe Asachi" Technical University of Iaşi in order to develop, endorse, approve, monitor and continually improve the curricula for the Bachelor's and Master's studies accredited or temporarily authorised programmes.

The curriculum for the Bachelor's and Master's studies observes, in terms of structure and content, the specific Standards regarding the external evaluation of academic quality for Bachelor's and Master's areas of studies as approved by ARACIS.

The courses are so designed as to combine teaching, learning and assessing. The student assessment procedures are focused on the learning outcomes and are brought to their attention in due time and in detail. After the assessment, the students receive feedback, including counselling, if necessary, for the subsequent learning process.

Anexa B.2.1.5.a Procedura de elaborare planuri de invatamant PO.DID.04

Anexa A.1.1.2.c.3 Organizare admitere la studii universitare de licenţă, PO.DID.05

Anexa A.1.1.2.c.4 Organizare admitere la studii universitare de masterat, PO.DID.06

Anexa C.3.1.1.a Examinarea si notarea studentilor, PO.DID.14

Anexa C.3.1.3.1 Orare TUIASI

At TUIASI, the formative and summative assessment is permanently followed, and takes place all over the year; a balance is maintained between final assessment and intermediary forms of assessment. The assessment system for a subject is included in the curricula and in the subject syllabus, and is approved by the department and the Council of the faculty where the subject is taught; it remains unchanged all over the academic year.

Continuous assessment consists of a set of actions aiming to follow the evolution of learning along the period the subject is studied. The most common actions in continuous assessment are: testing knowledge prior to applied activities (seminar, laboratory, project, practicum); tests along the semester; oral presentation of papers, project, case studies; estimating independent study or partially assisted activities, on the basis of bibliographic reading notes and/or reports on practical activities – including research – made in the subject area, within or outside the university framework.

The continuous assessment in seminars, laboratories and project classes is made according to the frequency and pertinence of oral interventions, the quality of the activities carried out, the systematic recording of significant information generated by the student in the practical activity group.

Periodical assessment under the form of periodical tests, announced at the beginning of the semester, or of semestrial tests is used for the assessment along the semester of the theoretical and/or practical information acquired in class. The results of periodical assessment (grades from 10 to 1) are recorded in the teaching staff's record sheets and are used in the calculation of the final examination grade (column A in the student record). The percentage of periodical assessment grades in the final examination grade is recorded in the subject syllabus and is communicated to students at the beginning of each semester.

Anexa C.3.1.1.a Examinarea si notarea studentilor, PO.DID.14

Anexa B.1.1.3.a Organizare studii universitare de licenta, PO.DID.01

C.4 – PROCEDURES OF PERIODIC EVALUATION OF TEACHING STAFF QUALITY

C.4.1. TEACHING AND RESEARCH STAFF QUALITY

Correlation between the number of teaching staff and the number of students

At TUIASI, according to the specificity of each area of study and of each programme of study, the optimal ratio between the number of tenured and adjunct teaching staff and the enrolling capacity is observed, in accordance with the ARACIS specific Standards. The ratio of the total number of teaching positions at TUIASI to the total number of students was within the limits (1.068/13.578 in 2015 and 1.046/13.893 in 2020). In the period evaluated by the present report, the ratio is between **1/12.71** and **1/13.28**. If the ratio between the number of tenured teaching staff and the total number of students is reported, in the evaluated period we get values within the limits **1/18 – 1/21**.

Anexa C.4.1.1 Raportul intre numar cadre didactice - numar studenti

At TUIASI, a ratio between teaching staff and students is ensured that we consider to be the optimal one. According to the specificity of the programme of study, this ratio is within the limits **1/10 – 1/16** and is similar to ratios present in other universities in the country and abroad.

Anexa C.4.1.1 Raportul intre numar cadre didactice - numar studenti

Peer evaluation

Peer evaluation aims at the interpersonal dimension of the teaching staff, a quality expressed in terms of their compatibility with the expectations of the team/department members. The purpose of peer evaluation is to continuously self-regulate the organisational behaviour of the teaching staff in their interactions with colleagues, aiming at its continual improvement and at increasing harmony between the department members. Peer evaluation does not have explicit normative outcomes. Peer evaluation takes place on the basis of a unique project at the level of the university, with internal tools, it has a transparent character, i.e. the teaching staff are aware of the implications of the evaluation results upon colleagues and the team/department as a whole.

Anexa C.4.1.2.a Evaluare colegiala personal didactic, POB.14
http://www.calitate.tuiasi.ro/POB.14.pdf

Teaching staff's evaluation by the students

The evaluation of the teaching staff by the students is compulsory and takes place in accordance with the Procedure of evaluation of the teaching staff by the students, cod TUIASI

POB.13. It is made on the basis of a form for the teaching staff evaluation, distributed at the end of each semester, and whose results are confidential.

The results of evaluation are made available to the department director, the dean, the rector and the evaluated person.

> *Anexa C.4.1.3.a Evaluarea cadrelor didactice de catre studenti, UTI-POB-13*
> *http://www.calitate.tuiasi.ro/UTI-POB-13-*
> *procedura%20evaluare%20cd%20de%20catre%20studenti.pdf*

The results of the teaching staff's evaluation by the students are discussed privately, processed statistically, by departments, faculties and university, and analysed at the level of faculty and university, with a view to ensuring transparency and to developing policies pertaining to education quality.

The normative outcomes of evaluation are reflected in the formulation of a quantifiable qualitative estimate, at the level of the faculty and of the university, as a component of the annual general evaluation of the teaching staff's individual professional performance at "Gheorghe Asachi" Technical University of Iaşi.

The functional outcomes of evaluation are reflected in the continuous self-regulation of the quality of the teaching staff's teaching performance, in the sense of continuous improvement.

According to the procedure, at the level of the university, the evaluation is coordinated by the Vice-Rectorate for Academic Affairs. The evaluation is made by students anonymously. The evaluated lecturer has no direct or indirect access to the evaluator's identity. The evaluation period is made known by an announcement at the faculty level, which refers to the present procedure and which mentions the period, premises, method and means of the evaluation process.

The faculty council administrates the evaluation activities, that is to say it is in charge with the logistic (equipment, software, halls, etc.) and organisation (responsible and competent personnel) preparations, and it ensures the direct coordination of the whole evaluation process. The students have the freedom to participate or not in the evaluation and to express opinions without having the obligation to evaluate all the teaching staff they worked with in the period that the evaluation takes into consideration.

The final data of the evaluation are processed at the level of the faculty Council Board. On the basis of these results are developed and drawn up: the confidential *individual form* of the teaching staff's evaluation by the students, with the final results in accordance with the questionnaire questions, mentioning the number of respondents and the number of students in the group having participated in the teaching activity performed by the evaluated lecturer; the secret *cumulative document*, by department, of the results of teaching staff's evaluation by the students. One copy of the individual confidential form and of the secret cumulative documents remain available to the faculty dean. They are used in the development of statistical analyses, without divulgation of

nominal individual results, with a view to consolidating individual and global measures of continuous improvement of teaching activities in the faculty. One copy of the individual confidential forms is given, with signature of receipt on the second copy, to each lecturer evaluated. The cumulative secret documents (one print and one electronic copy) are sent to the rector in a sealed envelope. These are used in developing statistical analyses, without divulgation of nominal individual results, with a view to consolidating specific and global measures of continuous improvement of the quality of educational activity in the university.

Evaluation by the management structures

The teaching staff fills makes annually the self-evaluation and evaluation by the department director process.

TUIASI has an annual multi-criterial evaluation form for each member of the teaching staff, and a system of classification of performance in teaching, research and services rendered to the institution and the community. The evaluation criteria for the teaching staff at "Gheorghe Asachi" Technical University of Iaşi are: Teaching activity; Scientific research; National and international acknowledgement; Activities with students; Activities in the academic community.

Performance indicators are established for each evaluation criterion, expressing quantitatively, by points, the performance level achieved for a period of reference.

For each evaluation criterion and for each teaching position, minimal scores are established, as provided in Annex 1 and in the self-evaluation and evaluation by department director form. The TUIASI procedure clearly highlights the way evaluation takes place, as well as the result analysis and the control of evaluation outcomes.

Anexa C.4.1.4.a Evaluare cadre didactice de catre management, TUIASI.POB.12

http://www.calitate.tuiasi.ro/TUIASI.POB.12%20E2R1-Procedura%20ev%20cd%20de%20management.pdf

Conditions for the proper performing of teaching staff activities

TUIASI provides the adequate environment for the teaching staff's professional development, for the teaching training and for the conducting of research activity, with a view to strengthening the relationship between education and research. In the evaluated period, the university teaching staff participated in training courses organised within FDI projects. Among them: "Continuing training of the university's teaching staff – a guarantee for the observance of professional deontology and academic ethics (PERF-DEONTETIC)" - CNFIS-FDI-2017-0065; "The Centre of studies and consultancy for the Quality of Education, Academic Integrity and Ethics (CEEIA-CENTER)" – CNFIS-FDI-2018-0479; "System of continuous internal evaluation of education quality – a barometer of the university's strategic management (CALINT-

BAROMANAG)" – CNFIS-FDI-2019-0270; "Network of methodical laboratories for the testing and application of successful mechanisms of teaching and assessing, identified or acquired during the process of the teaching staff's continuing training (REMET LAB)" - CNFIS-FDI-2020-0195; Training on online communication "Empower Your Public Speaking Online Competences", organised as part of the project CNFIS-FDI-2020-0157, "Creative Internationalisation at TUIASI – INTER-BUZZ"; "Key-Competences Common to Several Occupations. Communication in English – EMIT", authorised by M.M.F.P.S.P.V. and M.E.C.S; "Direct Access by Digital Internationalisation – DIGITALin TUIASI".

Anexa C.4.1.5.a Forme de dezvoltare profesionala a personalului academic 2015-2020

C.5. ACCESSIBILITY OF RESOURCES ADEQUATE TO LEARNING
C.5.1. STUDENT SERVICES AND LEARNING RESOURCES

Availability of learning resources

TUIASI ensures free access (for both students and the teaching staff) to learning resources (coursebooks, treatises, bibliographic references, text collections, anthologies, etc.) for each study programmes, in print or electronic formats. TUIASI library provides electronic access to academic resources, and it holds an adequate number of volumes published in the country and abroad; it also has subscriptions to the major scientific journals.

The users can access the following databases:

- Science Direct Freedom Collection Journals ACCES – it provides access to over 2,200 full-text scientific journals; access to about 1,630 journals in the Journal Citation Reports; access to over 16 million scientific papers in Elsevier journals;

- Springerlink Journals – offers access to 2,399 full-text scientific journals; access to over 5 million papers published in journals covering all academic areas; access to over 8.6 million abstracts of papers from all scientific areas (journals, books, book series, encyclopaedias, protocols);

- Clarivate Analytics – the platform Web of Science provides information about the scientific acknowledgment of scientific papers and about the identification of new tendencies and technologies at the world level; the different component databases provide access to over 20,000 journals, 180,000 annual conferences, over 90,000 books, 51 million patents, 2.6 million data sets. EBSCO Academic Search Complete – it includes indexations for 13,792 publications, out of which 9,074 full-text titles; 5. IEEE/IEL – provides access to the basic collection of journals in the fields of engineering, electronics and computer sciences of the IEEE publishing house; access to over 190 IEEE magazines and journals; access to 30 IET magazines and journals; access to over 1,600 IEEE-edited conference proceedings; access to 25 IET-edited conference proceedings and information publications from international seminars; access to over 3,500 IEEE standards, approved and

published. 6. Scopus – bibliographic and bibliometric database, providing access to the abstracts of scientific papers from over 22,400 international scientific journals, published by over 5,000 international publishing houses;

- Wiley Journals - provides access to 1,500 journals, over 18,000 online books, reference works, access to full-text papers of 450 online journals, etc.

> *Anexa A.2.1.1.g Biblioteca TUIASI- Prezentare generala*
>
> *Anexa A.1.2.1.s Personalul Bibliotecii TUIASI*
>
> *Anexa A.2.1.2.g Abonamente publicatii periodice*
>
> *Anexa A.2.1.2.h Schimb international de publicatii*
>
> *Anexa C.5.1.1.b. Soft Biblioteca*

The organisation and functioning regulation of the TUIASI library, code REG.19, is available on the university's site / Procedure manual:

> *https://www.tuiasi.ro/wp-content/uploads/2021/01/reg.19_e2r4.pdf*

The university ensures adequate conditions of access to learning resources for all students with special needs (online platforms, flexible timetables, specific housing conditions). The university ensures, according to the specificities of the person with disabilities, all the necessary conditions in the activities of teaching, learning and assessing, by using alternative interaction means with the persons in question. The university procedures provide aspects related to accommodation conditions, teaching and assessment processes.

> *Anexa A.2.1.1.a Spatii invatamant, cercetare, camine_studenti dizabilitati*

Student services

TUIASI provides varied services to the students and has special programmes aimed at ensuring a qualitative student life; these are monitored and evaluated periodically. TUIASI analyses the best practices models at the national and international levels as regards the improvement of the student services, providing solutions in this direction. The Student Services Department (DSS) represents an organisational structure of "Gheorghe Asachi" Technical University of Iași, subordinated to the Administrative General Directorate and to the Vice-Rectorate for Student Affairs, which coordinate the administrative activities on "Tudor Vladimirescu" student campus.

The Student Services Department is coordinated by a director and, according to the activities it carries out, the following organisational structures are subordinated:

- the Social Service;
- the Technical Office;
- the Finances and Accounting Office.

Another important role that DSS plays is that of keeping a tight connection with the student structures, whether this is about associations and leagues, or about the student representatives in the Senate, faculty Councils, and the Administration Council.

The headquarters of the Student Services Department is on the ground floor of the residence halls T18 and T19 on "Tudor Vladimirescu" student campus.

Contact information:

Telephone/fax: 40 232 271 288

Email: dss@tuiasi.ro
Website: *http://www.campus.tuiasi.ro/*
Social media:
- *https://www.facebook.com/CampusTudorVladimirescu*
- *https://www.instagram.com/CampusTudorVladimirescu*

TUIASI ensures a wide range of social, cultural and sports services for the students. "Tudor Vladimirescu" campus lies on 137,148 square meters and comprises 21 residence halls housing 7,481 students, a student cafeteria, with the best prices in town, a clinic and a sports centre made of six outdoor fields, a fitness hall, an aerobics hall, a strength training hall and a team sports hall. The first residence halls, built in 1969, were T1-T2 and T3-T4, while the latest were T18 and T19, ended in 1982.

"Tudor Vladimirescu" is one the biggest campuses in Romania; it has a certain feel to it, and it is the heart of the student life in Iasi, a quality acknowledged even by the students of the other universities of Moldova's capital city. TUIASI provides varied services to students and has special programmes aimed at ensuring a qualitative student life; these are monitored and evaluated periodically. TUIASI analyses the best practices models at the national and international levels as regards the improvement of the student services, providing solutions in this direction.

Anexa C.5.1.2.a Atributii si obiective Directia Servicii Studentesti

Anexa C.5.1.2.b Cazare studenti in camine TUIASI _PO.PRS.01

Anexa C.5.1.2.c Dispensar medical TUIASI

Anexa C.5.1.2.d Servicii sociale culturale sportive studenti

Anexa C.5.1.2.e Facilitati pentru practicarea sportului

TUIASI ensures programmes of stimulation for the students with outstanding results, as well as remedial programmes for the students with learning difficulties.

Anexa C.5.1.2.f Programe stimulare studenti

Anexa B.2.1.5.e Tabel proiecte R.O.S.E. 2018 - 2020

TUIASI has structures and procedures meant to facilitate student mobilities, such as: International Relations office, committees for the equivalency of qualifications, credits and competences.

Anexa B.2.1.5.f Relatii Internationale-Misiune, obiective

https://www.tuiasi.ro/manualul-procedurilor/#proceduri-prorectorat-international

C.6 – SYSTEMATICALLY UPDATED DATABASE RELATED TO INTERNAL ASSURANCE OF QUALITY

C.6.1. INFORMATION SYSTEMS

Databases and information

The collection, processing and analysis of data and information relevant for the quality assurance and evaluation, at both the institutional and the study programmes level, are made within the faculties. At the university level, a procedure of collection and analysis of relevant information was developed.

Anexa C.8.1.1.a.4 Colectare date, elaborare baze date, PO.CEAC.02

At TUIASI there is a database recording all doctoral theses titles in the past five years, which also includes the doctoral degree holder's name and the doctoral advisor's name. The titles of the doctoral theses for the period 2016-2020 are available at *www.rei.gov.ro.* At the university level, there is a database including the doctoral degree holder's name and the doctoral advisor's name, but without the titles of the doctoral theses, which are in the process of being updated.

Anexa B.2.1.3.c Şcoala Doctorală

A FDI project is now in progress, on the topic: *Integrated platform for the improvement of the teaching process quality by the computerisation of activities for the observance of academic integrity and ethics, for the following of graduates' employability and for the administration of the students' academic situation, in order to meet the requirements of quality improvement for graduation dissertations*. The objectives of the project are:

- to ensure a climate of compliance with the norms of academic ethics and to support the Bachelor's and Master's graduates in writing their final dissertations;

- to contribute to the increasing of the doctoral student's ability to write papers, to conduct their scientific research for the thesis, to plan their career after defending the doctoral thesis, thus participating directly in the enhancing of quality of doctoral studies at TUIASI;

- to create a database with regard to the university's alumni career evolution.

C.7 TRANSPARENCY OF PUBLIC INTEREST INFORMATION WITH REGARD TO THE UNIVERSITY'S STUDY PROGRAMMES AND, IF APPLICABLE, TO THE AWARDED CERTIFICATES, DEGREES AND QUALIFICATIONS

C.7.1. PUBLIC INFORMATION

Provision of public information. "Gheorghe Asachi" Technical University of Iași ensures transparency and high access to the information specific to the internal quality assurance system, to the internal and external beneficiaries, by using means specific to the university information system.

The university uses specialised services of public relations. At TUIASI, the protection of natural persons regarding the processing of personal data and the free movement of such data

observes the laws in force. The way how information is made public by the university (through the TUIASI site and the faculty sites) is similar, quantitatively and qualitatively, to that of the other universities in the European Space of Higher Education, and is continuously improving.

The public information subdivision, established in 2015 within the Vice-Rectorate for International Relations, carried out its activity in good conditions, communicating within the terms provided by the law responses to the solicitations coming under the legislative act, Law no. 544/ 2001 regarding free access to information of public interest. To this purpose, in the period 2015-2020 were offered quantitative and/or qualitative, updated and accurate information and data about the qualifications, study programmes, degrees, teaching and research staff, facilities offered to students, or any other aspect of public concern. The report on the activity of the Subdivision of Public Information has been developed at the beginning of every calendar year.

https://www.tuiasi.ro/wp-content/uploads/2021/01/Raport-de-activitate_CIP_2020.pdf

Anexa C.7.1.1.a Transparenta informatiilor de interes public

The Diploma Supplement is provided to graduates free of charge and it includes all the information required by the regulations in force.

Anexa B.2.1.1.b Diplome absolvire studii licenta si master, suplimente diploma

Anexa B.2.1.1.a Gestionarea actelor de studii, PO.DID.18

C.8 – FUNCTIONALITY OF EDUCATION QUALITY ASSURANCE STRUCTURES, ACCORDING TO LAW

C.8.1. THE INSTITUTIONAL STRUCTURE OF EDUCATION QUALITY ASSURANCE OBSERVES LEGAL PROVISIONS AND CONDUCTS ITS ACTIVITY ON A PERMANENT BASIS

The committee coordinates the application of quality assurance and evaluation procedures and activities

The procedures and activities of evaluation regarding education quality and the Annual Report on quality are developed and approved by the university's Senate. The Committee for Quality Assurance and Evaluation (CEAC) coordinates the enforcement of procedures and activities of quality assurance and evaluation, and it develops the Annual Report on quality, formulating as well propositions regarding the improvement of education quality.

Anexa C.8.1.1.a.1 Regulament organizare Comisia CEAC, REG.06

Anexa C.8.1.1.a.2 Regulament organizare Departament DEAC, REG.07

Anexa C.8.1.1.a.3 Procedura autoevaluare institutionala, PO.CEAC.01

Anexa C.8.1.1.a.4 Colectare date, elaborare baze date, PO.CEAC.02

CEAC implements consistently new measures, resulting from the collaboration with other universities in the country and abroad, with a view to improving the education quality and to adopting the best practices in the field.

Anexa B.2.1.5.b Sesiuni de formare si activitati training cu cadrele didactice

C.9. PERIODIC EXTERNAL QUALITY ASSURANCE

C.9.1. THE HIGHER EDUCATION INSTITUTION IS PERIODICALLY SUBMITTED TO EXTERNAL QUALITY ASSURANCE

The accredited universities with their structures, as well as other education providers, participate cyclically to external quality assurance, in accordance with the legal provisions in force. The external quality assurance is focused, depending on the case, on different levels of organisation, study programme, Master's area of study, doctoral area of study, or on the institutional level.

At TUIASI, **internal evaluation** is a systematic, independent and documented process, conducted periodically and as often as necessary, through internal procedures, in the purpose of obtaining evidence regarding the education quality and of objectively analysing these pieces of evidence in order to determine the extent to which the standards and the indicators of performance regarding education quality are fulfilled. At TUIASI , the legal provisions regarding the cyclical **external evaluation** at the level of study programmes, Master's area, doctoral area, and at the institution level. For all Bachelor's studies programmes and Master's areas, the cyclicity of evaluation recommended by the ARACIS methodology is observed. Furthermore, the Doctoral areas of study, the Doctoral School and the Report of Institutional Evaluation are internally evaluated.

Anexa C.9.1.1.a Initiere programe licenta si masterat, UTI-POB-06

http://www.calitate.tuiasi.ro/UTI-POB-06-Procedura%20initiere2.pdf

Anexa C.9.1.1.b Evaluare interna programe licenta si masterat, TUIASI.POB.07

http://www.calitate.tuiasi.ro/TUIASI.POB.07-E2-Procedura%20de%20evaluare%20interna.pdf

Anexa C.9.1.1.c Initiere-evaluare programe doctorat, PO.CSUD.13

Anexa D. Indeplinire Standarde de Performanta - Evaluare Institutionala 2015-2020

IV. THE LEVEL OF STANDARDS AND PERFORMANCE INDICATORS

In the process of evaluation of standards and performance indicators, TUIASI used the *Methodology of external evaluation, the standards, reference standards and list of performance indicators of the Romanian Agency for Quality Assurance in Higher Education approved by the ARACIS Council on 29.06.2017,* as well as *The Guide of the Activities for the Development of Self-Evaluation Reports on Bachelor's study programmes, code GHID.01 .*

https://www.tuiasi.ro/wp-content/uploads/2021/04/GHID.01_E3R0.pdf

According to the ARACIS methodology, TUIASI uses, in quality assurance, the *criteria, standards and performance indicators* corresponding to the three fundamental domains for education quality assurance: A. the institutional capacity; B. the educational efficiency; C. quality management. The

domains, criteria, standards and performance indicators applied in quality assurance and in accreditation are presented in the following. Each of the three domains of quality assurance is associated to a set of standards, and to each standard corresponds the specific performance indicators. The requirements or values of a performance indicator varies from a compulsory minimum (min.) level to a recommended reference (ref.) level, for which the institution can opt, or the institution can establish a higher level, by its own reference standards.

The level of standards and performance indicators at TUIASI was evaluated in Annex D.

V. MEASURES FOR THE ASSURANCE OF ACCURACY, COMPLETENESS AND TRUSTWORTHINESS OF THE INFORMATION DISSEMINATED BY THE INSTITUTION

The Report on the Institutional Internal Evaluation was made in accordance with the specific legislation in force and with TUIASI internal procedures.

All pieces of information were officially solicited to the boards of the faculties, directorates, departments, subdivisions, offices, etc., in accordance with the Distribution of responsibilities in the quality field. The information was centralised in a unitary manner at the level of CEAC, where it was analysed, processed and resumed by the members of a committee for the development of the Report on the institutional internal evaluation, made of representative of the faculties and DPPD and endorsed by CEAC.

A first form of the Report was submitted to internal analysis by a committee proposed by CEAC, made up of the members of the university's executive board, and the report was approved in the Senate of the university, in the meeting of 25 June 2021.

VI. The SWOT analysis

The analysis of reports on the state of education quality at the institutional general level, at the institutional structure levels (faculties, DPPD, administrative subdivisions, etc.) and of the result of the evaluation on the fulfilling of performance standards and reference standards provided CEAC with the possibility to identify the strengths, the weaknesses, the opportunities and the threats specific to "Gheorghe Asachi" Technical University of Iaşi.

VI.1. Strengths

1. Promoting strategies that would ensure the continuity of education and research activities. In the university, the students benefit from all education levels (Bachelor's, Master's, doctoral studies), while the educational process and the competences to be acquired are aligned to the labour market.

2. The university's activity takes place in accordance with a long-run, a medium-term (2020-2024) strategic plan and with annual operational plans, all submitted to debate within the academic community, approved by the university Senate and made known in the institution.

3. A high-performing academic and management system, monitored in accordance with multiple criteria, continuously improved and adapted to social and economic progress.

4. The university's decision-making structures have a permanent focus on the issue of quality management, having established a system of quality and academic excellence assurance in education, teaching, and scientific research, based on criteria and methodologies similar to the ones in the European countries.

5. The existence of a teaching staff with scientific high competences, including members of the Romanian Academy, of the Academy of Technical Sciences, of other Romanian and foreign prestige scientific societies.

6. The mechanisms of periodic evaluation and monitoring of the teaching staff's performance are implemented and periodically adapted to the needs related to the improvement of the teaching quality and with a view to continuously improving the future graduates' training.

7. The tradition in research at "Gheorghe Asachi" Technical University.

8. The high visibility of scientific research by peer-review scientific publications at an international level.

9. Remarkable results in the fundamental or applied research activity, obtained as part of research grants/projects, international collaborations, doctoral school activities, or student scientific circles.

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

11. The organisation of important, internationally relevant, scientific events.

12. A significant rise of student and teaching staff's mobilities, for studies/internships/research and their participation in competitions/continuing training/international projects and conferences.

13. The university has well-articulated regulations as regards the granting of scholarships, including social ones, the distribution of housing spaces in the residence halls, and the distribution of places in student camps.

14. The high number of collaboration relationships between the doctoral advisors, and prestige researchers and specialised companies in the country and abroad. The high number of cooperation relations with other European universities and research institutions.

15. The value of the university's graduates is given by their high degree of employability.

16. The university has a modern residential campus, with full access to internet, video surveillance, a controlled system of access to the residence halls, with a cafeteria, a student sports centre, religious services, etc.

17. A high housing capacity (8,000 places) compared to the university's number of students (13,893).

18. The increasing interest of TUIASI students to participate in extracurricular activities, international student competitions.

19. The university has a rich, computerised, periodically updated library. By the Anelis+ project, online access to the most important scientific databases in the world is possible.

20. The existence of electronic library records, by means of the Aleph software (general and branch inventory registers, by categories of documents, by purchase source and by field).

21. The educational and research infrastructure reaches a level similar to that of other European universities.

VI.2. Weaknesses

1. Although the university has multiple IT systems in the administrative, finances/accounting, scientific research, teaching and research monitoring activities, efforts must be still made in order to integrate them in a unique IT system.

2. The need to match the size of human resources with the volume and complexity of the activities carried out in some laboratories, departments, services and offices in administration.

3. During the pandemic, difficulties were met in implementing the practical training periods, which affects the graduates' capacity to adapt to the labour market.

4. The small number of Bachelor's and Master's programmes in a foreign language.

5. The need to increase the number of projects with international funding, in correlation with the level of the human resource's scientific performance and the technical level of the research infrastructure.

6. The need to implement a long-run monitoring system of the alumni's career evolution.

7. The need to rise the university's position in international academic rankings.

8. The insufficient cohesion of the teaching staff in their involvement in the internationalisation of courses and study programmes and in promoting them.

VI.3. Opportunities

1. The possibility to access research-development regional programmes, with national/European funding.

2. The continuous rise of the labour market demand for well-trained engineers, both in the country and in the European community, who besides the strictly specific training would also have solid knowledge related to the application of IT and management information.

3. An ascending tendency of development of the economic environment, facilitating the conclusion of efficient partnerships with the academic environment.

4. The extension of the possibilities to collaborate with the industry on topics relevant from the standpoint of doctoral research.

5. The increasing number of solicitations from foreign institutions (universities, research institutes, educational centres, etc.) with a view to attracting TUIASI in different international projects.

6. The local/regional development projects attract a significant number of companies (including multinational ones), who establish centres for design, research, production, and services, requiring highly qualified labour.

7. Regional development projects that allow for partnerships between universities, companies, local authorities and research institutes.

8. The possibility to use the experience acquired in approaching projects/collaborations that could answer the existing trends at the world level, such as: autonomous vehicles, ecological vehicles, humanoid robots, utility drones, elimination of fossil fuels in producing electrical power.

9. The increased interest of young people coming from outside Europe to study at TUIASI. This aspect is confirmed both by the increasing number of requests for information about the admission process, and by the increasing number of foreign students over the last years.

10. The possibility for the university to participate in consortiums with international partners, in education and research international networks.

11. The growing number of job offers at the international companies operating in Romania.

VI.4. Threats

1. The declining interest showed by the graduates in following an academic career in the higher education system, caused by the increasing opportunities of achievement and self-affirmation in the business environment.

2. The diminishing number of applicants to the admission process, following the diminution of the number of high school students, the low rate of high school graduation, as well as the high school graduates' orientation directly to the labour market or to other fields of interest.

3. The low educational level of high school graduates, and their diminished motivation for learning.

4. The high frequency of law modifications, resulting into a continuous changing of the internal legislation framework.

5. The risk of a diminishing financing of the university, as a result of the diminishing number of students, following the reducing number of high school students.

6. The lack of attractiveness of doctoral studies in the case of many of the very good students of the university.

7. The high value of the ratio between the number of professors and associate professors who retire, and the number of young teaching staff entering the university. Consequently, the teaching staff's age average is high, the positions of associate professors and lecturers prevail, while young people's lack of interest in an academic career is visible. The fact that wages are less attractive in the first years of this career is also an aspect to be considered.

8. The multitude of offers of Bachelor's study programmes in prestige foreign universities. These offers of study are much more attractive to high school graduates and therefore the university appeals to few students from prestige high school in Iași and the region of Moldova; the students' educational level is also low as a consequence.

9. The migration of relatively young staff towards labour segments, in the country and abroad, offering better material advantages, accessible in a shorter while.

10. The strong national and especially international competition in obtaining the available European funds for research, as a consequence of the low number of project competitions.

11. The cumbersome bureaucracy for the international students in countries where Romania has no Embassy / Consulate to obtain visas.

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