



Investește în oameni!

Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007 – 2013

Axa prioritară 1 „Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere”

Domeniul major de intervenție 1.2 „Calitate în învățământul superior”

Titlul proiectului „Dezvoltarea și consolidarea culturii calității la nivelul sistemului de învățământ superior românesc - QUALITAS”

Contract POSDRU/155/1.2/S/141894

POLITEHNICA UNIVERSITY OF TIMIȘOARA



INTERNAL EVALUATION REPORT (institutional self-evaluation)

Timișoara, March 2015

PARTENER



EENQA

CENTRAL AND EASTERN EUROPEAN
NETWORK OF QUALITY ASSURANCE AGENCIES
IN HIGHER EDUCATION



Fondul Social European
POSDRU 2007-2013



Instrumente Structurale
2007-2013



MINISTERUL
EDUCAȚIEI ȘI
CERCETĂRII
ȘTIINȚIFICE

OPRODRU



Agencia Română de
Asigurare a Calității în
Învățământul Superior

The Internal Institutional Self Evaluation Report was approved by the Council of Administration of Politehnica University Timisoara in the meeting from the 31th of March 2015

The self evaluation editing panel:

- Prof. Dr. Eng. Viorel-Aurel Șerban, Rector of UPT
- Prof. Dr. Eng. Toma-Leonida Dragomir, General coordinator, contact person (toma.dragomir@upt.ro)
- Prof. Dr. Eng. Mircea Popa, coordinator representing the Council of Administration of UPT
- Dr. Eng. Florențiu Staicu, member – coordinator representing the Administration Board of UPT
- Prof. Dr. Eng. Teodor Todinca, member – representative of CEAC
- Prof. Dr. Eng. Lia Dolga, member – representative of International Relations
- Economist Florian Miclea, member – representative of Financial-Accountant Department
- Eng. Dorina Rușeț, member – representative of the Human Resources Department
- Eng. Agnes Stepanian, member – representative of Scientific Research Department
- Eng. Emiliană Ieli, member – secretary-documentation
- Eng. Florin Bodin, member – representative of Center for Student Counseling and Information (CICS)
- Eng. Erica Oteșteanu, member – representative of UPT Library
- Eng. Dana Suba, member - representative of Patrimony
- Eng. Mariana Ungureanu, member – representative for Physical capital of UPT

- Eng. Nicoleta Radu, member – representative of DGAC (General Directorate for Quality Assurance)
- Eng. Mircea Botea, member – representative of DGAC
- Eng. Carmen Ardelean, member – representative of DGAC
- Eng. Iolanda Cosovan, member – representative of Educational process
- Eng. Simina Dărăbanț, member – representative of Promotion and Project Counseling Office



Chapter 1

PRESENTATION OF THE POLITEHNICA UNIVERSITY TIMIȘOARA, 1

1.1. *Legal framework for the organization and operation of UPT, the university's mission and goals, 1*

1.2. *Managerial work and institutional structures, 4*

1.3. *Teaching staff, 8*

1.4. *Educational process, 10*

1.5. *Scientific Research, 16*

1.6. *Physical capital, 23*

1.7. *Financial activity, 26*

1.8. *Intranational relations and international relations, 28*

1.9. *Status of UPT's fulfillment of the recommendations made in the EUA EVALUATION REPORT on Politehnica University of Timisoara - November 2012, 30*

1.10. *Status of UPT's fulfillment of the recommendations made by ARACIS (Romanian Agency for Quality Assurance in Higher Education) after the institutional assessment in June 2009, 35*

Chapter 2

QUALITY ASSURANCE OF STUDY PROGRAMS, STANDARDS, AND REFERENCE STANDARDS AS PART OF INSTITUTIONAL STRATEGIC MANAGEMENT, 43

2.1. *Institutional capacity, 43*

2.1.1. *Institutional, administrative and managerial structures, 43*

2.1.1.1. *Standard SA 1.1. Mission, objectives and academic integrity, 43*

- *I.P.A.1.1.1. Mission and objectives, 43, I.P.A.1.1.2. Academic integrity, 44, I.P.A.1.1.3. Public responsibility and accountability, 44*

2.1.1.2. *Standard SA 1.2. Management and administration, 45*

- *I.P.A.1.2.1. Management system, 45, I.P.A.1.2.2. Strategic management 46, I.P.A.1.2.3. Effective administration, 46*

2.1.2. *Physical capital, 47*

2.1.2.1. *Standard SA 2.1. Patrimony, Equipment, Allotted Financial Resources, 47*

- *IPA.2.1.1. Spaces for teaching, research and other activities, 47, IPA.2.1.2. Equipment, 47, IPA.2.1.3. Financial Resources, 48, I.P.A.2.1.4. The Student Grant System and Other Means of Material Support for Students, 48*

2.2. *Educational efficacy, 49*

2.2.1. *Study programme content, 49*

2.2.1.1. *Standard SB 1.1. Student admission, 49*

- *IPB.1.1.1. UPT student admission policy to the study programmes, 49, IPB.1.1.2. Admission practices 50*

2.2.1.2. *Standard SB 1.2. Study programmes' description and structure, 51*

- *IPB.1.2.1. The structure of study programmes, 51, IPB.1.2.2. Distinction in managing study programmes 53, IPB.1.2.3. Study programmes' relevance, 54*



2.2.2 Learning outcomes, **55**

2.2.2.1. Standard SB.2.1. Valuing the achieved academic competence, **55**

- IPB.2.1.1. Valorificarea Valuing the ability to engage in the labour market, **56**, IPB.2.1.2. Valuing qualifications by continuing university studies, **56**, IPB.2.1.3. Level of satisfaction of students in relation to professional and personal development ensured by the university, **56**, IPB.2.1.4. Student - centred teaching methods, **57**, IPB.2.1.5. Career guidance for students, **58**,

2.2.3. Scientific Research Activity, **60**

2.2.3.1 Standard SB 3.1. Research Programs, **60**

- IPB.3.1.1. Research Planning, **60**, IPB.3.1.2. Research Achievement, **61**, IPB.3.1.3 Practical application of research results, **62**

2.2.4. Financial activity of the organisation, **63**

2.2.4.1. Standard SB 4.1. Budget and accounting, **63**

- IPB.4.1.1. Revenue and expenses budget, **63**, IPB.4.1.2. Accounting, **64**, IPB.4.1.3. Auditing and public accountability, **64**

2.3. Quality Management, **65**

2.3.1. Strategies and procedures to ensure quality, **65**

2.3.1.1. Standard SC 1.1. Quality assurance structures and policies, **65**

- IPC.1.1.1. Organization of the quality assurance system, **65**, IPC.1.1.2. Policies and strategies to ensure quality **65**

2.3.2. Procedures for initiating, monitoring and periodic review of programs and activities, **66**

2.3.2.1. Standard SC.2.1. Approval, monitoring and periodical evaluation of study programs and diplomas corresponding to qualifications, **66**

- IPC.2.1.1. The existence and application of regulations regarding the initiation, approval, monitoring and evaluation of programs of study, **67**, IPC.2.1.2. Correspondence between degrees and qualifications **67**

2.3.3. Objective and transparent procedures for assessing the learning outcomes, **68**

2.3.3.1. Standard SC.3.1. Student evaluation, **68**

- IPC.3.1.1. The university has rules concerning the students' examination and grading that are applied rigorously and consistently **68**, IPC.3.1.2. Integrating examination in designing teaching and learning activities taking into account specific courses and study programmes **69**

2.3.4. Periodic assessment procedures of the teaching staff quality, **70**

2.3.4.1. Standard SC.4.1. of teaching and research staff, **70**

- IPC.4.1.1. Ratio between the number of teaching staff and the number of students, **70**, IPC.4.1.2. Peer assessment, **71**, IPC.4.1.3. Teaching staff assessment by students, **72**, IPC.4.1.4. Evaluation by the university management, **73**

2.3.5. Availability of learning resources, **73**

2.3.5.1. Standard SC.5.1. Learning resources and student services, **73**

- IPC.5.1.1. Availability of learning resources, **73**, IPC.5.1.2. Teaching as a learning source, **74**, IPC.5.1.3. Stimulation and recovery programmes, **75**, IPC.5.1.4. Student services, **76**

2.3.6. Baza de date actualizată sistematic, referitoare la asigurarea internă a calității, **77**

2.3.6.1. Standard SC.6.1. Sisteme de informații, **77**



- *IPC.6.1.1. Baze de date și informații, 77*

2.3.7. Transparency of public interest information on study programs and, where appropriate, on certificates, diplomas and qualifications, 78

2.3.7.1. Standard SC.7.1. Public Information, 78

- *IPC.7.1.1. Public information offer, 78*

2.3.8. Functionality of education quality assurance structures, according to the law, 79

2.3.8.1. Standard SC.8.1. The institutional structure of education quality assurance complies with the legal provisions and operates permanently, 79

- *IPC.8.1.1. The Commission coordinates the implementation of evaluation and quality assurance procedures and activities, 79*

Chapter 3

PRESENTATION OF THE MEASURES TO ENSURE THE ACCURACY, COMPLETENESS AND TRUST OF THE INFORMATION DISSEMINATED BY THE INSTITUTION, 81

3.1. Legal status, 81

3.2. University Charter and regulations specified by the Charter, 81

3.3. Institution management and management structures, 82

3.4. Teaching staff, 82

3.5. Physical capital, 83

3.6. Financial Activity, 84

3.7. Students, 85

3.8. Research activity, 86



UNIUNEA EUROPEANĂ



Fondul Social European
POSDRU 2007-2013



Instrumente Structurale
2007-2013



MINISTERUL
EDUCAȚIEI ȘI
CERCETĂRII
ȘTIINȚIFICE
OPPOSDRU



Agencia Română de
Asigurare a Calității în
Învățământul Superior

LIST OF ANNEXE

Anexa 1.1-1_Act de infintare_Scoala Politehnica

Anexa 1.1-2_Nume actual UPT

Anexa 1.1-3_Suport sectiune Cadru Juridic

Anexa 1.2-1_Activitatea manageriala si structurile institutionale

Anexa 1.3-1_Suport sectiune Personalul didactic

Anexa 1.4-1_Suport sectiune Proces de invatamant

Anexa 1.4-2_Puncte de vedere ale companiilor privind procesul de invatamant in UPT

Anexa 1.5-1_Suport sectiune Cercetare Stiintifica

Anexa 1.5-2_Manifestari stiintifice_2010

Anexa 1.5-3_Manifestari stiintifice_2011

Anexa 1.5-4_Manifestari stiintifice_2012

Anexa 1.5-5_Manifestari stiintifice_2013

Anexa 1.5-6_Manifestari stiintifice_2014

Anexa 1.5-7_Manifestari stiintifice de anvergura 2011-2014

Anexa 1.6-1_Suport sectiune baza materiala

Anexa 1.7-1_Suport sectiune Activitatea Financiara

Anexa 1.8_Suport sectiune Relații intranationale si internationale

Anexa 2.1.1.1. Suport_Misiune, obiective si integritate academica

Anexa 2.1.1.2. Suport_Conducere si administratie

Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate

Anexa 2.2.1.1. Suport_Admiterea studentilor

Anexa 2.2.1.2 Suport_Structura si prezentarea programelor de studii

Anexa 2.2.2.1 Suport_Valorificarea calificarii universitare obtinute

Anexa 2.2.3.1. Suport_Programe de cercetare

Anexa 2.2.4.1. Suport_Activitatea financiara a organizatiei

Anexa 2.3.1.1 Suport_Structuri si politici pentru asigurarea calitatii

Anexa 2.3.1.2 Suport_Proceduri privind initierea, monitorizarea si revizuirea

Anexa 2.3.3.1 Suport Evaluarea studentilor

Anexa 2.3.4.1 Suport Calitatea personalului didactic si de cercetare

Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti

Anexa 2.3.6.1 Suport Sisteme de informatii

Anexa 2.3.7.1 Suport Informatie publica

Anexa 2.3.8.1 Suport Structura institutionala de asigurare a calitatii educatiei

Anexa 3-1_Confirmare rector UPT

Anexa 3-2_Personalul Bibliotecii UPT

Anexa 3-3_Personalul compartimentelor financiar-contabile din UPT



Chapter 1

PRESENTATION OF THE POLITEHNICA UNIVERSITY TIMIȘOARA

This internal evaluation report of the Politehnica University Timișoara (UPT) refers to the period starting with the academic year 2009/2010 and lasting up to the present moment. ARACIS evaluated UPT at the end of the academic year 2008/2009. UPT adopted at the beginning of the 2nd semester of the academic year 2011/2012 a new legislation in accordance with the Law 1/2011 – The Law of National Education.

1.1 Legal framework for the organization and operation of UPT, the university's mission and goals

Politehnica University Timișoara, located in Piața Victoriei, no. 2, 300006 Timișoara, is a state institution of higher education, founded in 1920 by Decree No. 2521/10.06.1920 and 4822/11.11.1920, under the name “Școala Politehnică din Timișoara” (Polytechnic School of Timișoara) (*Annex 1.1-1_Document of founding Polytechnic School (Anexa 1.1-1_Act de infintare_Scoala Politehnica)*).

The current name of the university, for which the acronym UPT is further on used, was established by Government Ordinance No. 493/17.07.2013 (*Annex 1.1-2_Actual name of UPT (Anexa 1.1-2_Nume actual UPT)*). During its uninterrupted existence and functioning, UPT had the following names: Polytechnic School of Timișoara (1920-1948) (Școala Politehnică din Timișoara), Polytechnic Institute Timișoara (1948-1970) (Institutul Politehnic Timișoara), Polytechnic Institute “Traian Vuia” of Timișoara (1970-1991) (Institutul Politehnic “Traian Vuia” din Timișoara), Technical University of Timișoara (1991-1995) (Universitatea Tehnică din Timișoara), “Politehnica” University of Timișoara (1996-2013) (Universitatea „Politehnica” din Timișoara).

UPT – institution of higher education and scientific research, of national interest, is an organic part of the Romanian national education system and contributes with its activities to the achievement of the global educational strategy, developed in accordance with the Constitution and Legislation in force – follows the traditions of the Romanian higher education system and contributes to the scientific, professional and civic formation of the youth, to their integration into the economic and social life, to the permanent education of the higher education graduates as well as to the production of science and technology.

UPT's activity observes the principles of the Magna Carta of the European Universities and of the Romanian school ideals, pursuing the free, complete and harmonious development of the human individuality and the formation of competent, autonom and creative professional personalities. The University is affiliated with the Romanian Council of Rectors (CNR), the National



Consortium of Technical Universities (CNUIT), the National Association of Information for University Management (ANIMU), the European University Association (EUA), the European Conference of Rectors in Technical Universities (CRE), the Alliance of Universities for Democracy (AUDEM), the Francophone University Agency (AUF), the Association of Partially or Wholly French Language Universities (AUPELF), the European Association for International Education (EAIE), the European Association for Telematic Applications (EATA), the European Distance and E-Learning Network (EDEN), the International Association for Development of the Information Society (IADIS), and with the Danube Rectors' Conference (DRC)¹.

As a public institution for higher education, UPT is a legal person and has university autonomy in accordance with the Law of National Education and of its own University Charter.² In its relations with the society, the university identifies itself through: name, seal, logo and flag, established through Senate decision, and it also has an online public image available at www.upt.ro.

The definition and accomplishment of the mission, purposes and activities of the Politehnica University is based on the implementation of the following principles: university autonomy, academic freedom, public liability, quality assurance, assurance of equity, management and financial efficiency, transparency, respect for the rights and freedoms of the students and academic staff, ideological, religious and political independence, freedom of national and international mobility of the students, teachers and researchers, consulting social partners in the decisions making process, as well as the principle of an education centered on the students.

UPT's *mission* is integrated in the present and future necessities of the individual and of the human society. According to the UPT Charter (2014 version), UPT's mission has to:

- a) generate and transfer research, development and innovation to the knowledge-based society by means of advanced scientific research, and by disseminating the results through publication and/or implementation;
- b) ensure higher professional education, both at an undergraduate level – as the case may be: in the Bologna paradigm, in all its three cycles – bachelor's, master's degree, doctoral degree – or in a specially regulated system –, and at a postgraduate level, taking into account the concept of life-long learning, with the purpose of achieving personal development, professional insertion of the individual, and also of fulfilling the need of the society for competence;
- c) contribute to the setting of the society development directions, at a local, regional, national and international level;

¹ Other affiliation: http://www.upt.ro/international/Mobilitati-Si-Cooperari-Internationale_Afilieri-la-retele-nationale-si-internationale_54_ro.html

² http://www.upt.ro/img/files/2013-2014/carta/Carta-UPT_2014.pdf



d) develop, promote and defend the fundamental values that emerged during the human evolution: freedom of thought, speech and action, truth, uprightness, honesty, fairness, dignity and honor.

The objectives and support activities carried out by UPT³ are specified in the strategic plan of the UPT (see the extract from *Annex 1.1-3_Support section legal frame*, point A (*Anexa 1.1-3_Suport sectiune cadru juridic*)) and are described in the strategic plans of the UPT entities, namely in the annual operational plans of UPT⁴ and of its entities.

In order to accomplish its mission and objectives, namely an education adapted to the knowledge-based society, UPT establishes links with institutions and economic agents from the country and abroad, representing activity structures of common interest and cooperates with governmental and non-governmental organizations, at the local, national and international level.

In this context, based on the constant evaluation of the education as a system in which numerous processes are carried out, UPT is concerned with the correlation between the educational offer and the labour market requirements, implicitly the economic environment, with adapting its research and educational programmes to the progress trends of science, technology and culture, to the needs of the Romanian society, with fulfilling the requirements of the quality assurance standards and guidelines in the European area of EUA, as well as with the compatibility of UPT's educational programmes with those of other universities (curriculum updating and harmonisation with other EU universities) and of academic and professional bodies authorized in the country and abroad. In 2009, following the institutional assessment conducted by ARACIS, UPT was awarded the "high degree of confidence" mark (ARACIS certificate no. 31/2009⁵, *Annex 1.1-3_Support section legal frame*, point B (*Anexa 1.1-3_Suport sectiune cadru juridic*)), and in 2011, following the national university ranking, UPT was classified as an advanced scientific research and education university in Romania (according to OMECTS 5262 / 05.09.2011). UPT is described in the Evaluation Report of the EUA commission (December 2012) as "a top university, which enjoys a great reputation in the surrounding society", which "is engaged in the continuous optimization process and is therefore well placed to meet the current and upcoming challenges" and which "fully demonstrated the ability to overcome difficulties."⁶

UPT's academic community consists of permanent, associate and visiting teaching staff, of professors emeriti, of researchers, of supporting teaching and research staff, of students studying in undergraduate and postgraduate programmes and of personalities whom the title of Honorary Professor / Doctor Honoris Causa has been awarded by UPT.

³[http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_stragic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf](http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_strategic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf)

⁴http://www.upt.ro/administrare/dgac1/file/2012-2013/po/PO_UPT_2013.pdf

⁵http://www.upt.ro/pdf/infopublic/Diploma_Acreditare.pdf

⁶http://www.upt.ro/administrare/dgac1/file/2011-2012/EUA/UPT_final_IEP_report.pdf



The university is structured in faculties, described in terms of graduate fields, specialisation/bachelor's degree programmes (description of the geographical location) and their teaching language, of the accreditation degree and of the education forms, which are to be found in the Government Ordinance No. 580/2014, Appendix no. 2⁷. The study programmes for 2009/10-2014/15 can be found on the UPT site (the bachelor's degree programmes' addresses are given in the footnote ⁸). The provided qualifications match those of RNCIS.

1.2. Managerial work and institutional structures

From a managerial point of view, the structural pattern of UPT is presented in the organisational chart⁹, which is an integral part of the University Charter approved by the Senate¹⁰. Under the leadership of the Rector, the Council of Administration¹¹ ensures the executive management of the university, observing the regulations, methodologies, any other rules established by the Senate¹², and the Senate's strategic decisions. The Senate is the representative of the academic community, and also the strongest regulatory, decision and debate force within the university. In order to accomplish its mission and to define its strategy the Council of Administration is advised by an Advisory Committee, made up of 17 persons, who hold permanent positions within UPT¹³.

The main structural elements of the Charter are shown in the simplified organisational chart on the next page.

The following structures can be distinguished: academic structures¹⁴ (the department (25), the faculty (10), the Centre for Lifelong Learning (1), the ID/IFR and e-Learning Centre (1), the Research Institute (1), the Research Centre (25), the Teacher Training Center (1), the Know-How Transfer Center (1), the library (1), the publishing house (1), the printing house (1), the production unit (1), the TV station (1), the Centre for Students' Counseling and Information (1), the University Sports Association (1)), and administrative structures. UPT's executive leadership unconditionally provides the academic structures with offices for their permanent and temporary staff, lecture and seminar rooms, laboratories, and auxiliary spaces, which may be used and managed according to the needs of each academic structure. With the approval of the Senate, UPT's executive leadership can also provide the research institutes and centres with a core funding component or an uncompensated one, which is covered from the university's own revenues.

⁷http://www.upt.ro/img/files/2013-2014/legislatie/Anexa2_HG_580_extras_UPT.pdf

⁸http://www.upt.ro/Informatii_programe-de-licenta-2013-2014_200_ro.html,
http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2012-2013_234_ro.html,
http://www.upt.ro/Informatii_programe-licenta-2011-2012_191_ro.html,
http://www.upt.ro/Informatii_programe-licenta-2010-2011_190_ro.html,
http://www.upt.ro/Informatii_licenta---pi-criterii-de-evaluare---2009-2010_237_ro.html.

⁹http://www.upt.ro/img/files/2013-2014/organigrame/Organigrama_UPT_2013.pdf

¹⁰http://www.upt.ro/Informatii_senat_152_ro.html

¹¹http://www.upt.ro/Informatii_consiliul-de-administratie_158_ro.html

¹²http://www.upt.ro/Informatii_hotarari-ale-senatului---1_484_ro.html

¹³http://www.upt.ro/Informatii_comitet-director_254_ro.html

¹⁴The names of the faculties, departments and research centres are available on UPT's website: <http://www.upt.ro/>



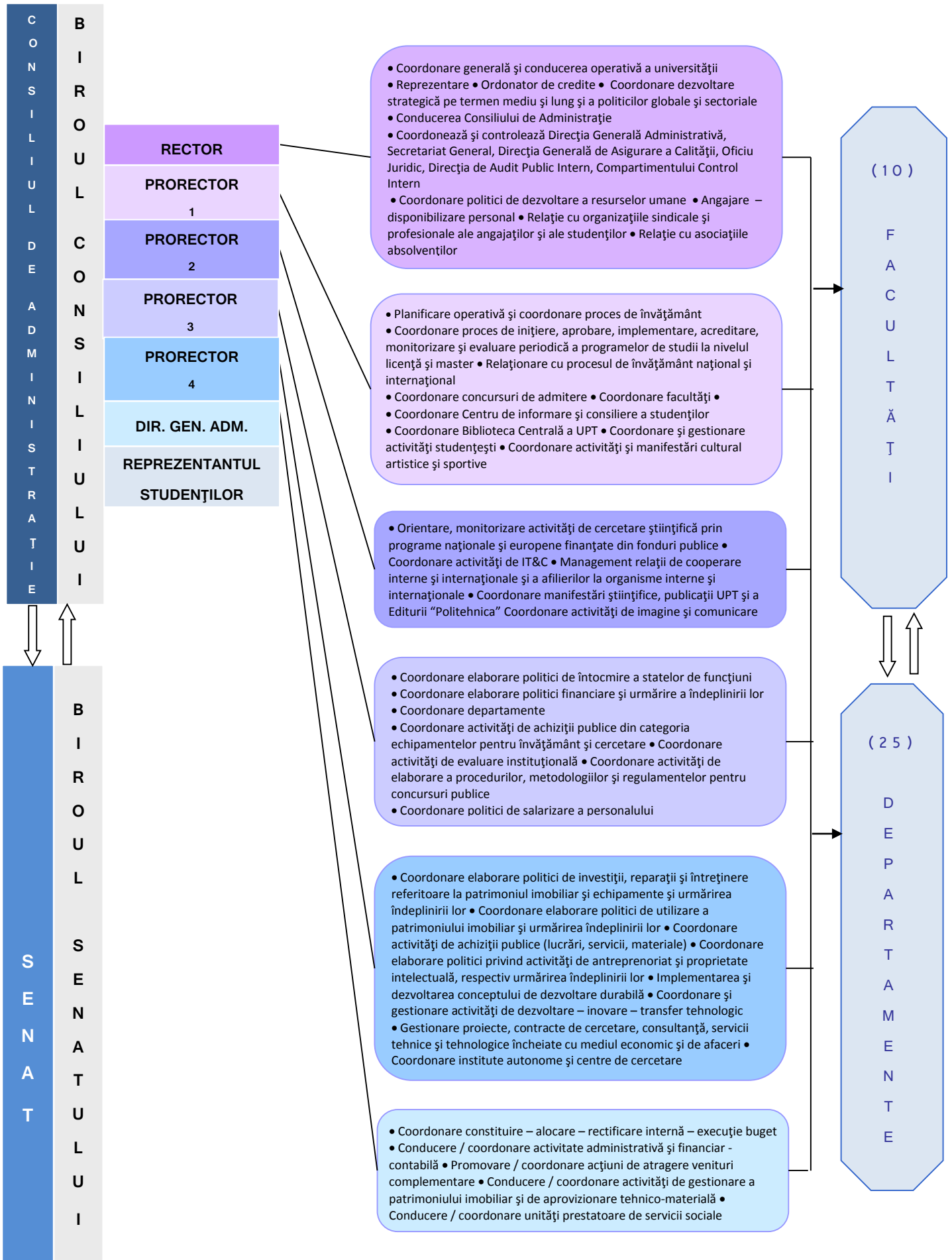
The department is the core structural-functional academic unit of the university, directly subordinated to the executive leadership of the UPT: i) with the role of ensuring the production and synthesis of knowledge in one or more specialisation fields by advanced scientific research, research, development and innovation activities, but also of ensuring the transfer of knowledge to society through graduate and postgraduate initial and ongoing training activities, ii) its existence depends on : a) a minimum number of 25 people (teaching staff, researchers, assigned PhD and postdoctoral students; b) PhD coordinators in the specialisation fields in which the university has the right to coordinate PhD research. From the economic point of view, the departments are units of independent income and expenses, which have autonomy in the management of the funds allocated to them and of the funds they obtain. The teaching activity of the departments is unified around disciplines with the same or related study object, and is based on order forms issued and paid by faculties and/or permanent education centres in order to manage study programs, programs which require their contribution for smooth running.

The department may be organized in specialized collectives, called chairs, which are non-administrative structures. The directors of the departments participate, along with the deans, to the decision-making process as members of the institutional advisory committees of the Council of Administration.

The faculty is a basic structural and functional academic unit, with its own thematic identity, expressed through its study programs that are set into hierarchical domains which are not found in other faculties of the UPT(in the same geographical location), and which is under the direct executive leadership of UPT: i) with the task to elaborate and manage university study programmes, on study types and cycles, into one or more related fields, and/or interdisciplinary study programmes, as well as the students which attend the study programmes under its jurisdiction.

From the economic point of view, the faculties are units of independent income and expenses, which have autonomy in the management of the funds allocated to them and of the funds they obtain. Within the faculty, bachelor's degree, master's degree, doctoral and postdoctoral schools are organized in order to manage the bachelor's degree, master's degree, doctoral and postdoctoral studies.

The study programmes at the doctoral and postdoctoral level may be managed in doctoral schools, also named trans-faculties, in which case, at the faculty level, divisions are created, at most one for a hierarchical domain. The faculty ascribes the doctoral and postdoctoral students who undergo consecutive research internships in one or, if necess, several departments.





The faculty makes sure that, for all the disciplines of its study programmes, educational services are contracted at relevant departments and, if necessary, at the ID/IFR and e-Learning ry¹⁵, based on order forms against payment.

The teaching spaces allocated to the faculties are proportional with the number of students enrolled in them.

The rest of the UPT academic structures are presented in the *Annex 1.2-1_Managerial activity and institutional structures*, point A (*Anexa 1.2-1_Activitatea manageriala si structurile institutionale*).

The academic structures are also supported in achieving their goals by the following entities which are under the administrative leadership: the Centre for Students' Counseling and Information ¹⁶; the Department of International Relations¹⁷; the Directorate General for Quality Assurance ¹⁸.

The UPT universities (10) and departments (25), at the time of drawing up this report, are presented in the *Annex 1.2-1_Managerial activity and institutional structures*, point B (*Anexa 1.2-1_Activitatea manageriala si structurile institutionale*). We emphasise that the UPT departments are not subordinated to the faculties, the management of the educational process being accomplished in a matrix-type structure.

A major concern of UPT was the maintenance of good relations with universities and companies from abroad, both in the EU countries and with countries outside Europe, namely countries in Asia, North America and South America. Currently, UPT maintains relationships with partners from 24 countries on 4 continents - Europe, North America, South America and Asia – (complex, inter-university agreements related to multiple academical activities, research and exchange), in the first place in France, Germany, Italy, Spain, Hungary and Austria. The total number of in-force agreements and conventions with foreign universities is 269, 15 with foreign companies and 15 with Romanian universities and companies. Most international cooperation agreements are: agreements for Erasmus mobility: 25 (2002/2003), 38 (2003/2004), 52 (2004/2005), 72 (2005/2006), 126 (2006/2007), 121 (2007/2008), 156(2008/ 2009), 174 (2009/2010), 184 (2010/2011), 185 (2011/2012), 188 (2012/2013), 162 (2013/2014) and framework agreements with foreign universities - 5 (2002), 6 (2003), 37 (2004), 48 (2005), 65 (2006), 63 (2007), 66 (2008), 76 (2009), 91 (2010), 115 (2011), 102 (2012), 97 (2013), 183 (2014). The lists containing the agreements of cooperation with enterprises, associations and research

¹⁵ <http://elearning.upt.ro/>

¹⁶ <http://www.cics.upt.ro/>

¹⁷ <http://www.upt.ro/international/>

¹⁸ http://www.upt.ro/Informatii_calitate-upt_12_ro.html



centres¹⁹, the framework agreements of cooperation with universities in the country and abroad ²⁰ ERASMUS + bilateral agreements ²¹ are public.

1.3. Teaching staff

Considering the teaching staff of UPT as the most precious wealth of the University, the University's top management acted continuously to ensure a benefic environment to its effective and active presence, based on mutual respect, understanding and cooperation between the members of the university community, regardless of their hierarchical position and the corresponding training positions filled. The top management of UPT was constantly preoccupied with securing and increasing the revenue of staff, even in the crisis and financial constraints periods experienced by state institutions. Especially young teachers and high-performing teachers were supported. Financial support was given to participation in scientific prestige manifestations and rewards offered for publishing works in ISI journals. When possible, all the employees were given meal vouchers.

The funds needed for all these have been achieved through:

- the increase of budget allocations, representing "core funding" as a consequence of the concern for the fulfillment at the highest level of requirements associated with performance indicators according to which MECS assigns money to universities;
- the improvement of research and development potential capitalization, innovation, consulting, expertise, certification, etc. that the university has;
- the improvement of real estate patrimony capitalization of the university;
- expenditures reduction of the educational process through more rational definition and management of curricula;
- expenditures reduction of utility costs through empowerment and use of modern technology;
- diminishing administrative structures costs which work in self-financing mode by a better use of the income (increase responsibility by promoting the concept of "center of profit and cost")

Regarding promotions of teaching staff in hierarchy, UPT led a balanced policy that took into account equally the immediate requirements of the institution - on the short, and long run- and the individual interest of each person. The approach, accompanied by the intransigent application of the proven value criterion, has created opportunities for a significant number of teachers to gain access to higher positions -by contest. Promotion status is shown in the following table:

	Professors	Associate Professors	Ș.I. – Lecturers	Assistant Lecturers
--	------------	----------------------	------------------	---------------------

¹⁹ http://www.upt.ro/international/Mobilitati-Si-Cooperari-Internationale_Acorduri-de-cooperare-cu-intreprinderi,-asociatii-si-centre-de-cercetare_65_ro.html

²⁰ http://www.upt.ro/international/Mobilitati-Si-Cooperari-Internationale_Acorduri-cadru-de-cooperare-cu-universitati-din-tara-si-strainatate_31_ro.html

²¹ http://www.upt.ro/international/Mobilitati-Si-Cooperari-Internationale_Acorduri-bilaterale-Erasmus+_8_ro.html

	Total	men	women	Total	men	women	Total	men	women	Total	men	women
2009/2010	1	1	0	1	0	1	5	3	2	7	4	3
2010/2011	-			-			-			-		
2011/2012	-			-			26	16	10	48	34	14
2012/2013	2	2	0	-			13	4	9	10	5	5
2013/2014	3	3	0	6	4	2	19	8	11	11	5	6
Total	6	6	0	7	4	3	63	31	32	76	48	28

The number and distribution by age of teaching positions occupied, on 10/02/2014, UPT situation was as follows (see also *Annex 1.3-1_Support Teaching staff section, point A (Anexa 1.3-1_Suport sectiune Personalul didactic)*):

Nr. Crt.	CD > 65 years		60<CD<65 years		55<CD<60 years		50<CD<55 years		45<CD<50 years		40<CD<45 years		35<CD<40 years		CD<35 years		TOTAL	
	Nr.	%	Nr.	%	Nr.	%	Nr.	%	Nr.	%	Nr.	%	Nr.	%	Nr.	%	Nr.	%
TOTAL UPT	11	1,64	103	15,35	89	13,26	78	11,62	78	11,62	106	15,8	103	15,35	103	15,35	671	100,00

The number and structure of all teaching positions from the University, at the same date, corresponds to the next table (see also *Annex 1.3-1_Support Teaching staff section, point B (Anexa 1.3-1_Suport sectiune Personalul didactic)*):

Nr. Crt.	Total teaching staff				Professors				Associate Professors			
	Total	Course leaders	Fixed-term contracts	Vacant	Total	Course leaders	Fixed-term contracts	Vacant	Total	Course leaders	Fixed-term contracts	Vacant
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
% from total positions		72,06	2,33	25,61	13,19	12,20	0	1	15,63	14,19	0	1,44
Total UPT	902	650	21	231	119	110	0	9	141	128	0	13

Nr. Crt.	Şefi de lucrări/ Lecturers				Assistant lecturers				Research assistants			PHD supervisors, fixed-term contracts	Dr.	TS <35 ani
	Total	Course leaders	Fixed-term contracts	Vacant	Total	Course leaders	Fixed-term contracts	Vacant	Total	MEC grant	POSDRU grant			
(0)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
% from total positions	38,58	28,05	0	10,53	32,59	17,63	0	12,64	35,48	19,07	16,41	din ocupate	90,76	15,35
Total UPT	348	253	0	95	294	159	21	114	320	172	148	32	609	103



In order to facilitate the attendance to cultural events of the teaching staff, students and, in fact, the entire academic community of UPT, in faculties were organized conference cycles and artistic cultural evenings with prominent guests (writers, historians, journalists, etc.). In this context, in the last part of the reporting interval Politehnica Timisoara Foundation ²² had a remarkable contribution, organizing events with large impact both in university and on local level (*Annex 1.3-1_Support Teaching staff section, point C (Anexa 1.3-1_Suport sectiune Personalul didactic)*). However, to promote a climate of closeness and good understanding, the organization of reunions was encouraged at the level of various structures - especially at faculty level, respectively rectorate - around the holiday season or at the beginning or end of various activities. They were appreciated by the participants, so there are reasons to believe that they reached their target.

1.4. Educational process

During the reporting period, connecting the learning process to the demands of society in terms of organizing university studies in the Bologna system was a constant concern. It manifested itself both in the offer of specializations of university, detailed in teaching curricula for university qualifications at bachelor degree and master level and conferring researcher training, and in terms of the enrollment figures.

In this section of the report, reference will be made to all levels of the Bologna process, bachelor, master and doctoral programs.

Ongoing bachelor programs are those from point A *Annex 1.4-1_Support section educational process (Anexa 1.4-1_Suport sectiune proces de învățământ)*, and master programs, from point B. The evolution of study programs developed by UPT during the time horizon 2009/2010 - 2014/2015 is shown in *Annex 1.4-1_Support section educational process, point C (Anexa 1.4-1_Suport sectiune Proces de invatamant)*. The implementation and ongoing education programs are coordinated by the Department of Education Process and Student Problems, UPT Senate, through the educational process, and monitored by the Directorate General of Quality Assurance (DGAC). Initiation of study programs, curriculum development and specifications for syllabi are, according to the Operational procedure "Initiation, monitoring and periodic evaluation of study programs in UPT - UPT code-PO-B-0-05", entrusted the board of specialties and domains - bodies composed of representatives of the groups of teachers of different specialties, age and academic degrees, the representatives of employers and student representatives. Institutional alignments are constantly monitored by the Board of Directors, Board of educational process of UPT Senate and DGQA in terms of discipline sheets, of ensuring transparency for assessment conditions, management of educational process results. Managing professional results obtained by students and schooling as a whole, is fully computerized with GISC application.

²² <http://fundatiapolitehnica.ro/>



The doctorate from the Politehnica University Timisoara is organized in agreement with the Law 1/2011 of National Education and Institutional Regulation for organization and development of doctoral studies in UPT²³. In parallel, doctoral programs organized according to previous legislation operate, going into liquidation. The organization and management of UPT Doctoral School is made according to public information from UPT website²⁴.

UPT had at the beginning of the 2014/2015 academic year a total of 149 doctorate supervisors with distribution on areas specified in paragraph D of *Annex 1.4-1_Support section educational process (Anexa 1.4-1_Suport sectiune Proces de invatamant)*. The same annex specifies the number of university theses read between the years 2009-2014²⁵:

The University has obtained POSDRU funding for both full attendance PhD candidates within the Doctoral Scholarships program: 80 scholarships between 2009-2011, 87 scholarships between 2010-2012, 110 scholarships between 2014 to 2015, as well as post-doctorate researchers: 31 scholarships for the period 2010-2013 and 36 scholarships over the interval 2014-2015²⁶.

In the period 2009 - 2015 monitoring activities of the teaching process were held regularly by students, resulting in actions to improve teaching performance, restructure and upgrade the equipment in laboratories, and audit actions of the educational process. Questionnaires completed by students to assess the study programs, including master programs, respectively objects of study and teachers who hold them are public²⁷. Assessments completed by students are used both for correcting, improving and perfecting the educational process and for granting annual qualifications to teachers, either in the context of providing gradations and merit payment or to promotion.

UPT is concerned with ensuring transparency and visibility of actions undertaken as for the teaching and research process, on the university's website is posted information concerning: the applicable law²⁸, the organization of bachelor²⁹, master³⁰ and PhD studies³¹.

The requirements for the assessment process of students are transparent. The addresses listed in 1.1 show information on the Didactic mission and Research mission (until the 2012/2013 academic year) of each program of studies, as well as for Procedures and evaluation criteria, and

²³ http://www.upt.ro/img/files/2013-2014/carta/Carta-UPT_2014.pdf

²⁴ http://www.upt.ro/Informatii_studii-de-doctorat_266_ro.html

²⁵ PhD thesis defended in the academic year 2013/2014:

http://www.upt.ro/administrare/dgac2/file/Doctorat/2013/Teze_de_doctorat_sustinute_in_2013.pdf

http://www.upt.ro/img/files/2013-2014/doctorat/Teze_de_doctorat_sustinute_in_2014.pdf

²⁶ http://www.upt.ro/Informatii_pos-dru_318_ro.html

²⁷ http://www.upt.ro/Informatii_chestionare-de-evaluare-si-autoevaluare_18_ro.html

²⁸ http://www.upt.ro/Informatii_legislatie-rubrica-general-a_230_ro.html

http://www.upt.ro/Informatii_legislatie_386_ro.html

²⁹ http://www.upt.ro/Informatii_studii-de-licenta_186_ro.html

³⁰ http://www.upt.ro/Informatii_studii-de-master_249_ro.html

³¹ http://www.upt.ro/Informatii_studii-de-doctorat_266_ro.html



ensure the recognition of progressive accumulation of subjects of all bachelor and master programs structured as in the following table:

No.	Year of study	Subject	Procedures and evaluation criteria (written/oral, exam/distributed evaluation/colocviu, nr. examiners, nr. of questions, criteria of granting grades, conditions of granting 5, conditions of granting 10, ensuring assessment conditions)	Ensuring recognition of progressive accumulation of subjects
-----	---------------	---------	--	--

Subsequently, the didactic and research missions of each program of study were transferred to the sites of faculties, and methods and evaluation criteria were specified in the schedule disciplines also posted on the sites of the faculties.

The connection to the demands of society was based on five types of actions: i) ensuring the *university's capacity of schooling* and all that it involves human-resource, educational facilities, technical equipment, etc.- for each field, ii) obtaining *feedback from the university's students*, iii) obtaining *feedback associated with "output" of the university*, represented by information gathered from the labor market, according the need for specialists with higher education for each area, iv) obtaining *information related to "input" in the university*, represented by affluence and effective competition to admission and v) *participation of the university in national programs* to improve academic performance in Romania. Directory Council provided a great support in actions, including curricular orientation.

The addresses from point 1.1 are listed for 2013/2014, 2014/2015 academic years, professional and transversal competences of each field and study program extracted from RNCIS. For the academic year 2014/2015 Grid2 NRCIS is also presented indicating subjects' contribution to skills training.

The University is continuously preoccupied with the practical training of students. Although there are numerous agreements with companies in the area, the number of practice place needs to be increased. The relationships established through agreements of practice provide also useful information for the adequacy of curricula to labor market demands. Given the repeated requests of the economic environment and requests of students, in the UPT in the academic year 2013-2014 a process of consolidation of practice was launched for most degree programs, bachelor cycle. (*Annex 1.4-1_Support section educational process*, point E (*Anexa 1.4-1_Suport sectiune Proces de invatamant*)).

The continuous concern to attract students, supported also through vocational guidance campaigns conducted in high schools, but also on the web, and through ExperimentariumTM Laboratory ³² (aimed at young people, pupils or students eager to conduct the most diverse experiments in physics) resulted, each year in the almost full occupation of places without charge for admission and, in addition, in the attraction of a significant number of fee-paying students

³² http://www.upt.ro/Informatii_-centrul-de-prezentare-interactiva-a-fenomenelor-fizice-expe_486_ro.html



The proven ability -and not only pretended- of UPT, to occupy every time the places that were distributed to it, was also due to realistic allocation of places on fields and use of candidate selection methods adapted to the context. The number of study places funded from the central budget of UPT, as well as the number of fee-paying places were fully in line with its strategy in the context of the decreasing number of high school graduates; the number of high school graduates in Romania going for studies abroad increases, and the training of high school graduates is reflected by a low rate of baccalaureate. The number of students enrolled in UPT on 01 October of the academic years from the reporting period corresponds to the table:

Academic year	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
Bachelor studies	12998	10702	10312	9952	9330	8854	8834
Master studies	1956	3051	3288	2889	3133	3090	2989
Doctoral studies	166+651	200+697	243+414	326+390	325+141	421+169	331+149
Total	15771	14650	14257	13557	12929	12534	12303

* The first number corresponds to the on-site doctoral students whereas the second corresponds to the off-site doctoral students.

The student intake of UPT, corresponding to the reporting period and Bologna study paradigm, is displayed in the chart below:

Academic year	UPT		Academic year	UPT		Academic year		
2008/2009	3219	100%	1185	100 %	139	100 %	4546	100%
2009/2010	2903	90,18	1600	135,02	182	130,94	4685	103,06
2010/2011	2694	83,69	1539	129,87	153	110,07	4386	96,48
2011/2012	2419	75,14	1699	143,38	115	82,73	4233	93,11
2012/2013	2286	71,02	1714	144,64	73	52,52	4073	89,60
2013/2014	2537	78,81	1612	136,03	113	81,30	4262	93,75
2014/2015	2355	73,16	1610	135,86	93	66,91	4058	89,26

The previous institutional evaluation has been carried out in the academic year 2008/2009, regarded as the reference year. The differences in relation to this year are linked to the implementation of Bologna paradigm that has annually marked the three study cycles. During the academic years 2008/2009, 2011/2012, 2014/2015, the number of students enrolled in the 1st bachelor year and 1st master year has varied similarly with section F of *Appendix 1.4-1_Support section learning process (Anexa 1.4-1_Suport sectiune Proces de invatamant)*. The specialisms displaying the toughest admission competition are specified in *Appendix 1.4-1_Support section learning process, section G (Anexa 1.4-1_Suport sectiune Proces de invatamant)*. These specialisms belong to the Faculty of Automation and Computer Engineering, the Faculty of Civil Engineering and the Faculty of Communication Sciences. UPT opines that the above-mentioned situation corresponds to the current national trends.

The majority of the students enrolled in the master programmes has been recruited from UPT bachelor programmes. About 10% have been recruited from other universities, mainly located



in the western region of Romania. Several discussions between UPT academic staff and bachelor graduates at various events oriented to promote master studies point out that the interest for master studies would be much higher if national provisions regulating the status of master graduates were enforced. The process of defining qualifications, performed during the reporting period, hasn't resulted in changing the status of master graduates but in clarifying master level-related competences.

UPT has annually transferred to the society a significant number of well-trained graduates and high-profile experts recognised as such on the workforce market. The figures provided in the chart below are relevant in this respect:

Academic year	UPT Bachelor studies		UPT Master studies		UPT Doctoral studies		UPT Total	
	Number	%	Number	%	Number	%	Number	%
2008/2009	3286	100 %	670	100 %	108	100%	4064	100%
2009/2010	1978	60,19	763	113,88	85	78,70	2826	69,54
2010/2011	1715	52,19	1523	227,31	88	81,48	3326	81,84
2011/2012	1904	57,94	1065	158,96	101	93,51	3070	75,54
2012/2013	1811	55,11	1085	161,94	96	88,88	2992	73,62
2013/2014	1663	50,61	1111	165,82	96	88,88	2870	70,62

Between 2008/2009 and 2013/2014 one can note significant changes in the percentages of bachelor/master/doctoral graduates in the total number of UPT graduates: the percentage of bachelor graduates in the total number of UPT graduates decreased from 80,85 % to 57,95 %, the percentage of master graduates in the total number of UPT graduates increased from 16,49 % to 38,71 %, the percentage of doctoral graduates in the total number of UPT graduates increased from 2,66 % to 3,34 %.

The presence of numerous important companies in Timișoara, in Timiș county and in the western region, is tightly linked to the existence of highly-qualified workforce whose provision is significantly ensured by UPT, fact that is publicly acknowledged by company representatives. UPT is constantly concerned, through direct interaction with the western region-located companies, with the companies' interest in UPT's educational offer and their feedback with respect to graduates' training and interest topics. *Appendix 1.4-2_Companies' viewpoints regarding UPT's teaching process (Anexa 1.4-2_Puncte de vedere ale companiilor privind procesul de invatamant in UPT)* describes several viewpoints from three companies two companies having numerous employees but different degrees of interest in the number of highly-qualified graduates (SC Continental Romania SRL versus SC ELBA SA) and two companies having distinct numbers of employees but similar interests (S.C. Kathrein ROMANIA S.R.L versus SC Continental Romania SRL). UPT aims to offer its graduates academic training that enables them to cope with the immediate and future workforce requirements. Students' practical training is still problematic since more time is required to come up with solutions in terms of optimum practical training.



The annual average number of doctoral students that graduate doctoral studies is about 93. UPT hasn't had doctoral theses rejected by CNATDCU. UPT appreciates as positive the on-going co-supervision of doctoral studies consolidating professional networking among UPT scientific supervisors and international supervisors. UPT doctoral potential is higher, yet it is affected by competitive companies recruiting the best graduates and offering higher salaries than doctoral grants offered by UPT. It is irrelevant for UPT graduates the fact that research in hiring companies is directed to non-Romanian sites

In addition to on-site study programmes, UPT offers distance learning programmes. The number of students enrolled in distance learning programmes is rendered in the chart below:

Academic year	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015
Enrolled	239	231	200	194	180	199	258
Graduates	31	47	41	35	24	29	

Low frequency³³ education is running from 2014, for Industrial Engineering specialization (with a group of 30 students).

Despite the constant concern of the E-learning Center and of the Faculties of Automation and Computer Engineering, of Telecommunications and Electronics, and, more recently, of Communications Sciences, the interest for distance learning is limited. National regulations regarding distance learning-related student intake are not encouraging.

The part-time learning programme *Machine-Building Technology* was introduced in the academic year 2014 – 2015.

With respect to the integration of ICT-based and blended learning and training, the E-learning Centre has developed since 2000, for all UPT faculties, a Moodle-based, open-source learning platform – UPT Virtual Campus – to host academic support³⁴. The platform is designed to integrate online and mobile learning modules for distance learning students and blended learning modules for master and doctoral students. Currently, 8 faculties of UPT use the facilities provided by the Virtual Campus for 38 specialisms (*Appendix 1.4-1_Support section teaching process, section H (Anexa 1.4-1_Suport sectiune Proces de invatamant)*).

A significant number of students have taken special interest in attending the pedagogical training modules managed by the Centre for Teachers' Pedagogical Training³⁵. The average number of students graduating the pedagogical training programme, for the reporting period, is about 184; a certificate of graduation is granted for successful accomplishment. The percentage of

³³ http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente_anexe_hs/Regulament_normare_activ_didactice_IFR_ID_Anexa_HS27.pdf

³⁴ <https://cv.upt.ro/>

³⁵ <http://www.dppd.upt.ro/>



graduating students and attending students has increased from 16.6 % to 26.62 % (reaching a peak of 44.14 % in 2011/2012). UPT will preserve this offer given its success among students.

Academic year	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014
enrolled	988	1163	895	598	586	676
graduated	164	178	179	264	166	180

A significant contribution to the training processes, different from Bologna cycle programmes, has been brought by postgraduate programmes and lifelong learning programmes initially managed by the Centre for Continuing Education and recently by the School of Postgraduate Studies³⁶. The programmes offer opportunities for further studies belonging to the lifelong training framework. UPT appreciates that lifelong learning training must be consolidated and enhanced in the future.

UPT facilitates opportunities for student and teacher mobilities as well as technical placements in numerous partner universities through the international agreements mentioned in section 1.2 within the framework of European programmes of the Life Long Learning type (mobilities, intensive courses, curriculum development, e-learning). Over the last four years the following student mobilities have been facilitated: Erasmus³⁷ and SEE mobilities (outgoing/incoming): 129/77 (2010/2011), 137/52 (2011/2012), 195/73 (2012/2013), 226/83 (2013/2014). Teacher mobilities within Erasmus and SEE both outgoing and incoming include: 80/38 (2010/2011), 101/13 (2011/2012), 98/19 (2012/2013), 114/32 (2013/2014). Additionally, UPT has facilitated mobilities via other European or regional educational programmes such as Leonardo da Vinci, CEEPUS, etc. The following major positive aspects regarding mobilities should be highlighted: the quality of the mobilities, increased number of student and teacher mobilities, increased exchange agreements with universities applying the ECTS system, intensive promotion of innovative learning methods and materials, priority to apply for Erasmus internships given to young teaching staff and final year students, increased number of incoming students and longer internships, full recognition of the ECTS system for studies performed in partner universities both for outgoing and incoming students, development of specialism-related skills and competences in international company placements, curricular enrichment, implementation of modern learning and teaching methods. The impact of the incoming/outgoing mobilities is reflected in students' personal development, professional experience, maturity, new study opportunities, consolidation of foreign language skills, in teachers' increased self-confidence in teaching skills, increased sociability and networking, increased opportunities to establish educational partnerships.

1.5. Scientific Research

³⁶ http://www.upt.ro/Informatii_programe-postuniversitare-si-de-formare-continua_231_ro.html

³⁷ http://www.upt.ro/Informatii_erasmus-university-charter-322_ro.html



Politehnica University of Timișoara considers that the scientific research is a priority of the university mission, conferring personality and distinction to the university, and that reaching excellence in scientific research is a target on medium and long term. UPT considers that the scientific research refers implicitly to innovation and technological development, expertise, consultancy, technical assistance and certification.

The organization of research activity is based on the Guidelines concerning the research organization, operation and funding in Politehnica University of Timișoara³⁸. Until the academic year 2013/2014 inclusive, the research was coordinated by the Commission of Scientific and Technological Research of UPT Senate which together with the Scientific Council of UPT implemented UPT strategy for scientific research for the period 2007 - 2013, their policies and research-development programs, and the measures to achieve them. The Guidelines granted a significant independence to those who undertake significant research and design contracts, technical assistance, consulting activities or technical expertise. It is worth noting that at the level of centralized services the overhead is only 3% for UPT and the contract manager has at his disposal a minimum 3% overhead to use it according to the interests of the team engaged to accomplish the tasks. The provision has proved its efficiency by the increase of the amounts resulted from the research – development contracts. Other features of the framework created by the University regulations relating to the scientific research are presented in point A *Annex 1.5-1_Support scientific research section (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*. The coordination of the research is currently carried out by UPT Board of Research³⁹ that according to the National Research, Development and Innovation Strategy 2014-2020, elaborates UPT's Perspective Scientific Research Strategy for the period 2014-2020.

UPT's strategic objectives, in the research field for the period 2009-2012, were : (i) to consolidate the research centers in order to evaluate and train the human resource; ; (ii) to ensure, at least, the presence of a research center for each Bachelor's degree domain which exists in the university; the center should provide scientific and professional opportunities for specialists trained by the master and doctoral schools; (iii) to extend the use of information technology.

On the incentive established framework the research structures have constituted or / and consolidated; they are presented at point B *Annex 1.5-1_Support scientific research section (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*, namely:

- 1 research institute,
- 1 excellence center,

³⁸ http://www.upt.ro/img/files/2013-2014/cercetare/RegulamentCercetare_UPT_Mai2009.pdf

³⁹ Administrative board decision No. 32/17.06.2014 regarding the Research Council:
http://www.upt.ro/img/files/hca/2014/HCA32_17_06_2014.pdf



- 23 departmental research centers (including teachers, postdoctoral researchers, doctoral students; most teachers of such center, but not all, belong to the same department),
- 4 research laboratories independent of the research centers,
- autonomous research groups of teachers, doctoral students and students who are not included in the categories I, II, and III; the research carried on by these groups refers to more definite domains.

UPT was concerned with the increase in the number of laboratories destined strictly for research and the promotion of the interdisciplinary research on current issues. An important outcome in this regard is the Renewable Energy Research Institute opened in March 2012.

By UPT strategic plan adopted for the period 2012-2016, the university has set as research objectives: (I) to promote a policy of the responsibility, development and international integration concerning the scientific research, the innovation, the original creation, the acknowledgement of the innovation efficiency and the scientific research; (II) to develop the abilities and skills of the university's technological transfer; (III) to support the scientific research high-performance; (IV) to create in the university centers for development and implementation in partnership with the socio-economic environment, usable for the students' practical training too.

The policies in the field of research were related to the following aspects : (I) adaptation to the EU research programs (PC, structural and national funds, etc. (CNCSIS, PNCDI-II); (II) orientation towards the research-development fields required by the economy; (III) annual self assessment of the research and the use of the efficiency indicators such as: financial value of the obtained resources according to the types of the financing sources, the number and quality of the international research collaborations; number of ISI indexed publications which are presented at world congresses, conferences, symposia and workshops held by international professional organizations; number of articles published at international events with referees that are organized in Romania; number of works published in Romanian magazines with reviewers, UPT's publications inclusive, quality of monographs, treaties, and specialized books and teaching manuals published at the prestigious publishing houses in the country recognized by CNCSIS or at foreign publishing houses; number of doctoral students involved in the research activity centers/departments; number of doctoral theses accomplished within the activities of the research centers/departments; (IV) evaluation of doctoral theses and dissertations held at the master's programs through works published in magazines or in volumes of national or international conferences, symposia, simultaneously the financial support is given by the departments and faculties ; (V) co-doctoral leadership development, and in this context the creation of facilities related to the carrying out of certain stages of preparation and completion of the doctoral studies at the prestigious universities in EU.



Due to the results attained UPT has demonstrated that it has the capacity to develop an activity of consistent scientific research, and that it is concerned with the consolidation of research efficiency regarding the human and material resource. According to the *MECTS Order No. 5262/05.09.2011*, UPT has been classified in the category of advanced research and education universities. Also, according to the *Government Ordinance No. 789/2011*, UPT was included in Class A, with 6 programs of studies, 7 programs of studies in Class B, 4 programs in Class C and no program in Classes D and E.

The research is developed in departments which, in most cases, have research centers where the teaching staff, doctoral and master students are engaged in research, and also in autonomous scientific research centers.

The research fields are developed on the teachers' experience in their areas of specialisation, without neglecting the orientation towards other new fields. Doctoral research through the involved fields and the engaged PhD supervisors (*Annex 1.5-1_Support scientific research section, point C (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*) constitutes UPT's one of the most productive research areas. Human Resource capable of doctoral research coordination has increased in the period 2012 - February 2015 with 15 certified teachers. (*Appendix 1.5-1_Support scientific research section, point D (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*)

The Council of Administration and the Senate aim to stimulate the diversification of the forms of participation to the scientific research activity, both with the national financing bodies (MEN, the Romanian Academy, ANCS, UEFISCDI, other ministries and agencies), and with the international bodies (European Commission through the program PC7, foundations, other bodies).

As an expression of the research orientation towards new domains, UPT set up Research Institute for Renewable Energy ICER-TM already mentioned in the report. The financial support to construct a new building, with a surface area of about 2,500 square meters, and provide it with modern research equipments was ensured by a project of circa 16 million Euros financed from Structural Funds, POSCCE – POS Increase of Economic Competitiveness foreground Appendix 2, Operation 2.2.1.

UPT is registered in the Register of potential contractors, user number 3284 and is eligible for funding through national programs managed by the National Authority for Scientific Research ANCS.

Due to its structure of research, in the period 2009 – 2014, Polytechnic University of Timișoara obtained funding through its participation to competitions organised by UEFISCCDI for a significant number of projects in the National Plan II, which was launched in the year 2007:

Starting year of ongoing projects	2009	2010	2011	2012	2013	2014
-----------------------------------	------	------	------	------	------	------



Total number of ongoing projects	83	77	46	32	31	43
Total amount of ongoing projects (lei)	6.166.239	4.936.836	5.356.111	7.054.764	6.879.021	6.444.833

Considering that a technical university should evaluate its research capacity according to the degree of its application in economy, UPT has always focused on the applied research through direct contracts with beneficiaries in the industry, able to finance and implement the results of the research. The number and value of contracts in this category are shown in the table below:

Year	Direct contracts signed with beneficiaries of the industry from our country	
	Number	Amount[lei]
2009	137	2.717.485
2010	145	1.902.060
2011	128	3.599.505
2012	146	1.944.813
2013	121	1.628.056
2014	163	2.926.579

Special attention has been paid to the internationalization of the research activity in recent years. In this context we mention the following results:

Year	Direct contracts signed with beneficiaries of the industry from abroad		Ongoing FP7 projects	
	Total number of contracts	Total amount [euro]	Total number of ongoing contracts	Total amount of ongoing contracts [euro]
2009	13	74.428	12	154.584,47
2010	8	163.050	13	544.152,86
2011	4	101.736	7	852.403,00
2012	4	109.563	11	544.351,50
2013	1	14.000	15	525.602,00
2014	1	13.000	13	1.469.888,00

The titles of the ongoing FP7 projects are specified in point E, *Annex 1.5-1_Support scientific research section (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*.

UPT management has adopted, as part of its consolidation policy of the research teams who have contributed to attract additional resources (proportionally with the given contribution), the principle of decentralized allocation of additional revenues attained through the interuniversity competition, departmental and research centers, and by applying the system of quality indicators research activity. They are used for the consolidation of the equipments, the publication and evaluation of the results through the participation to the prestigious scientific events and mainly for the stimulation of the human resource with notable achievements. The situation of independent equipments achieved, during the report period 2009 – 2014, from the research contracts is presented at point F in *Annex 1.5-1_Support scientific research section (Anexa 1.5-1_Suport*



sectiune cercetare științifică). The contribution of 4,556,357 lei was mainly oriented to specialized laboratory equipments (3,515,997 lei).

A chance in achieving the objectives of the institutional development and the specialization of human resources involved in education and research consists in the efficient use of the Structural Funds available to Romania after the EU accession. UPT has tried to be actively involved in the development of some proposals on various operational programs in order to achieve a number of objectives as a higher education and research center and as an institution integrated into the local, regional or national community. In this respect, between 2008 and 2014 UPT had / still has the quality of a beneficiary or partner in several projects on the following operational programs in *Annex 1.5-1_Support scientific research section*, point G (*Anexa 1.5-1_Suport sectiune Cercetare Stiintifica*): Sectoral Operational Programme - Increase of Economic Competitiveness (POSCCE – POS), Sectoral Operational Programme Human Resources Development (POS-DRU).

Long-term university strategy research is aiming to activate and make operational the Promotion and Project Counseling Office CDI⁴⁰, a structure designed to promote programs funded by the European Commission in the fields of research, education and professional training; or the development of the academic and research infrastructure, and counseling of the research centers and teams in order to access research grants and projects financed from the Structural Funds, those offered by the European Research Council, FP7, EU research program, Horizon 2020, the operational programs at the national level, the cross border cooperation programs.

UPT is concerned to support various forms of innovation and technology transfer⁴¹, to create spin-offs (start-ups)⁴² assigned to evaluate the research results developed in UPT, cooperation with small and medium-sized enterprises and creation of new jobs for the human resource trained in Polytechnic. In addition to the 9 spin-offs set up in 2014, within one year, the application of the Guidelines regarding the spin-offs⁴³ has led to the development of two new spin-offs (start-ups) in IT field and three spin-offs (start-ups) in other areas. Recently MedicalSafe by Polytechnic SRL-D won as a consequence of the innovation award 2014⁴⁴, a grant offered by the Norwegian Financial Mechanism –Norway Grants.

In the institutional and managerial context above described, in UPT there were organized in the past 6 years a number of scientific events with an international / national complying with the high national and global competition, as follows: 25/33 in 2009 , 24/32 in 2010 (*Annex 1.5-2_Scientific Events_2010 (Anexa 1.5-2_Manifestari stiintifice_2010)*), 21/40 in 2011 (*Annex 1.5-3_*

⁴⁰ http://www.upt.ro/Upt-Timisoara_promovare-si-consiliere-proiecte_227_ro.html,

http://www.upt.ro/Informatii_prezentare_376_ro.html.

⁴¹ http://www.upt.ro/Informatii_inovare-si-transfer-tehnologic_465_ro.html

⁴² http://www.upt.ro/Informatii_spin-off_481_ro.html

⁴³ *Regulamentul de înființare, sprijinire și monitorizare a spin-off-urilor, versiunea 13.03.2014*

⁴⁴ http://www.upt.ro/img/files/inov-trans-teh/MedicalSafe_premiu_inovare_2014.pdf



Scientific Events_2011 (Anexa 1.5-3_Manifestari stiintifice_2011)), 11/19 in 2012 (*Annex 1.5-4_Scientific Events_2012 (Anexa 1.5-4_Manifestari stiintifice_2012)*), 6/11 in 2013 (*Annex 1.5-5_Scientific Events_2013 (Anexa 1.5-5_Manifestari stiintifice_2013)*) and 13/38 in 2014 (*Annex 1.5-6_Scientific Events_2014 (Anexa 1.5-6_Manifestari stiintifice_2014)*). The results from previous annexes show that UPT has been significantly engaged in international scientific events, as organizer/co-organizer. *Annex 1.5-7_Large scale scientific manifestations 2011-2014 (Anexa 1.5-7_Manifestari stiintifice de anvergura 2011-2014)* there are listed eight major events where UPT was involved. We can add three major international events organized in 2010: IAHR Symposium on Hydraulic Machinery and Systems, International Conference on Software Maintenance, IFAC Symposium on Telematics.

Throughout the reporting period, the university has encouraged the publication of the research results obtained by university researchers' corpus – consisting of the teaching staff, research engineers, and PhD students - in journals and at conferences of high prestige. To better monitor the works, books and patents of the UPT authors in 2012 was initiated the COGITO portal (*Annex 1.5-1_Suport scientific research, point H (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*). We have promoted consistently the target of visibility metrics correlated with the highest level of impact, mainly ISI standard.

In *Annex 1.5-1_Suport scientific research point I (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)* it is presented the data on the *published papers that were reported by the university to obtain funding from the ministry*, extracted from the records submitted by the university to the National Council Financing for Higher Education (CNFIS). For the years 2009, 2010 and 2011 was retained the total number of papers, and for the years 2012, 2013, 2014 it was recorded only papers recorded in ISI database (now *Thompson Reuters*). The independent contribution of the PhD students was not taken into account. The data for the years 2009 - 2011 show that the average work / teacher or researcher was 1.68 $((1.62 + 1.42 + 2) / 3)$ and the data for 2012-2014 show that the average circuit works, only ISI papers, was about 0.53 $((0.55 + 0.64 + 0.39) / 3)$ (the data collecting for 2014 is only partial). The results have to be associated with the low level of funding in Romania since 2010, and the changes in the funding indicators used by MEN.

The table below presents a comparative situation of the articles in the ISI circuit (Thomson Reuters today - Web of science) during the period under report. (Due to the rate of indexation in the Web of Science database, data from the years 2013 and 2014 are rising).

Year	Articles with ISI quotation – Journal	Articles with ISI quotation- Proceedings	Total number of articles ISI Journal and ISI Proceedings
2009	201	604	805
2010	181	817	998
2011	164	173	337



2012	250	136	386
2013	202	146	348
2014	188	65	253
Total 2009-2014	1186	1941	3127

Other relevant information on the paper publications can be found in *Annex 1.5-1_Suport scientific research* points J (*Anexa 1.5-1_Suport sectiune Cercetare Stiintifica*) (average citation rate standardized for the University Politehnica Timișoara), K (Scientific publications with a significant number of citations) and L (interdisciplinary Publications and articles with industry partners).

During the report period, the series of the *Scientific and Technical Bulletin of UPT* have continued to appear in all the areas in which they were established. We outline the fact that besides the Series Elettrotechnics of the Scientific and Technical Bulletin of UPT, named the "Journal of Electric Engineering" indexed INSPEC (for 15 years in electronic format), a number of other UPT publications have obtained BDI recognition; progress has been made in terms of the internationalization of the Editorial Boards and in terms of internationalization of the authors. The list of these publications and the level of the BDI index are specified in *Annex 1.5-1_Suport scientific research*, point M (*Anexa 1.5-1_Suport sectiune Cercetare Stiintifica*)

1.6. Physical capital

UPT has a physical capital (consisting of all the assets, i.e.: buildings, equipment, etc. that provide the development of economic and scientific activities) appropriate for the following process: research, educational, administrative, as well as the maintenance of the health of students and teachers. The administration is carried out by the Directorate General Administration of UPT⁴⁵.

The educational and research spaces comply with the safety principles and the hygienic-sanitary rules in force (surface and volume, equipment and technical state).

In UPT, since the academic year 2014/2015, a WiFi network runs with 200 access points and the corresponding servers; the network can also provide support for video streaming. The WiFi network covers the area consisting of the UPT faculty buildings and the student hostels, both indoors and outdoors. Both the university staff and the students have access with the username and password authentication.

For students and teachers, UPT has 16 hostels⁴⁶ in Timisoara (64119.12 square meters), with approximately 5500 places, and three cafeteria - restaurants (6141.31 square meters) and in Hunedoara , a student hostel (1994 sqm) and a cafeteria (867 sqm) . In all the student hostels there are fiber optic Internet and video surveillance systems, up to the room level. There are individual central heating systems and the rooms are provided with double glazed windows, the

⁴⁵ http://www.upt.ro/img/files/2013-2014/organigrame/Organigrama_DGA_2014.pdf

⁴⁶ http://www.upt.ro/Upt-Timisoara_camine-studenti_94_ro.html



rooms are insulated and soundproofed with polystyrene. The process of replacing the furniture is ongoing; each dorm room is equipped with a refrigerator.

The health assistance is provided by the Student Clinic and the Occupational medicine cabinet placed in the Student Campus.

At last external evaluation, in 2009, UPT reported the rehabilitation and/ or modernization of the existing physical patrimony. Since then until now UPT was concerned with maximum responsibility to generate new projects and to obtain funding for their materialization, even in the conditions of investment austerity occurred in force since 2010.

First, UPT pursued the maintenance, rehabilitation and / or upgrading of the existing physical patrimony, at different levels: rectorate, faculties and student hostels. Thus:

In the reporting period there were invested 107,360,490 lei, out of which 86,479,870 20,880,620 lei, at UPT own revenues (v. *Appendix 1.6-1_Support material basis section, point A* (v. *Anexa 1.6-1_Suport sectiune baza materiala*)): ongoing investment (expansion of the educational spaces, Polyvalent Hall) and other investment expenses (property acquisitions, consolidations, rehabilitation of hostels and canteens), heavy repairs of the educational facilities, design expenses for feasibility studies and remedial work carried out and paid out of the security performance work related guarantee, as well as for the expansion of the educational and research facilities.

An UPT paramount objective completed within the reporting period and fully functional since November 2014 is the new building of the UPT Library (area of 8295 square meters). The facilities offered by the library and other relevant data are shown in *Annex 1.6-1_Support material basis section,, point B (Anexa 1.6-1_Suport sectiune baza materiala)*.

The Faculty of Engineering of Hunedoara completed the consolidation and the rehabilitation works for the buildings B, C and the Technological Hall, and now they rehabilitating the administrative and the sports buildings.

It was completed the building of the headquarters of the Institute for Renewable Energy Research, on the street Muzicescu; the project was financed from structural funds with a final value of approx. 16 million EUR.

It was process of adding new floors to the building of the Faculty of Industrial Chemistry and Environmental Engineering was completed and similar actions are ongoing to part of the SPM building, belonging to the Faculty of Mechanical Engineering. The works for the rehabilitation of the Workshop buildings on 38 C. Porumbescu Street were completed and there were refurbished the office accommodation on floors 2 and 3 of the Rectorate building.

Due to reduced possibilities of MEN to finance investments, three large projects initiated in 2009 made during the reporting period only minimal progress, i.e. : i) the dwelling of Faculty of Architecture and the new areas for education and research on Traian Lalescu street, reached only the stage of Foundation Note approved by a report issued by the MEN; ii) for the "Expansion of



educational and research facilities at the Faculty of Industrial Chemistry and Environmental Engineering from Bd . Vasile Parvan it was submitted the technical execution project; iii) the objective " Polyvalent Hall " located on Dr. Aurel Păunescu Podaru street is in progress with the completion date on 30.04.2015.

To keep record of the areas managed by the entities of the UPT, as well as of the main equipment we use the ESGD application, designed by the university. The application provides all the data concerning the spaces managed by an entity at the level of the building and of location. At the same time, the application provides information about the spaces managed by each entity as a whole, the area belonging to each building, the total area belonging to the university, the spaces of the library, the premises leased from others and to others, as well as the number and area of classrooms, seminars, laboratories and workshops. Currently, The university manages as own premises an area of 56859,42 square meters for teaching activities (lectures, seminars, laboratory and workshop activities) , an area of 80925,58 square meters for student hostels, an area of 13647,15 square meters for canteens and 60657,94 square meters for sporting facilities. Baza sportivă no. 1 includes football fields, homologated athletic track, strength training room, changing rooms, store rooms; Baza sportivă nr. 2 has five football fields, out of which two covered with synthetic grass, two swimming pools (one indoor), sports hall (handball, basketball, volleyball, badminton, table tennis, field tennis) and a multipurpose room for meetings and Baza sportivă nr. 3 includes a football field and changing rooms. In Hunedoara, within the Faculty of Engineering, there is a sports hall (volleyball, basketball, tennis) with an area of 597.22 square meters. The building of a Polyvalent Hall with seats 2,500 (see slide 167 and 168⁴⁷) (volleyball, basketball, tennis) is in progress.

All the laboratories, not only computer laboratories are equipped with modern facilities with network and Internet connection, specific facilities (machine tools, gauges, test stands and various test equipment (for monotonous static testing, monotonous quasi – static / cyclic testing and pseudo-dynamic tests) for: *materials* (metal, composite), *construction elements and structures* (wood, metal profiles, concrete, reinforced concrete and reinforced concrete with composite with rigid reinforcement) - jacks, hydraulic cylinders , actuators - to simulate fatigue as well as various solicitations, i.e.: seismic, oscilloscopes, videoprojectors, analysis equipment, spectrometers, electrophoresis equipment, electrical appliances, chromatography MPLC, balance equipment, communication networks, automated management equipment, generators, optical microscopes, etc.). The amphitheatres and a good part of the seminar rooms are well equipped with computers, projectors and video screens.

The university also has an own publishing house, Editura Politehnica, accredited by CNCS. The UPT publishing house mainly publishes scientific, technical and instructional volumes; thus

⁴⁷ http://www.upt.ro/administrare/dgac1/file/2013-2014/raport_rector_2013/Raport_Rector_2013.pdf



supports the educational process in the university, while promoting the image of the governing institution. Thus, in the last five years, the Editura Politehnica published a significant number of new titles as follows: 114 in 2009, 73 in 2010, 89 in 2011, 91 in 2012 and 79 in 2013 and 30 in 2014⁴⁸. To these it can be added the doctoral theses developed in the university and published in 16 series: 92 in 2009, 86 in 2010, 89 in 2011, 105 in 2012, 75 in 2013 and 96 in 2014. The publishing house also publishes the Scientific Bulletin of the Polytechnic University Timișoara in 11 series, as well as the proceedings of the sessions and symposia held in the university. Occasionally, under the name of the Politehnica Publishing House Publishing Polytechnic are published are works from these fields: culture, education or the promotion of the institutional memory.

To create opportunities for students to travel cheap and safe during the training periods, study visits, cultural activities, sports activities, social trips, etc., in 2014, it was purchased a bus with 48 seats. (Those who benefited from this acquisition for study trips, group practice at companies with the same profile, were the students from the Faculty of Chemical and Environmental Engineering, Electrical and Power Engineering, Mechanical Engineering, Civil Engineering, and Architecture and Urbanism)

1.7. Financial Activity

UPT is an advanced research institution and its functions, from a financial point of view, under the coordination of the Ministry of Education and Research, as established by the Education Law and other normative decisions that regulate activities concerning education and academic research.

Achieving the university's objectives as enumerated in the strategic and operational plans implies ensuring a sustainable budget, founded on an objective assessment of financial sources that have been identified within the university as well as those sources outside its environment, on a national and international level.

The university's financial backing consists of budgetary allotments from the Ministry of Education, as well as personal income, pursuant to the annual Income and Expenses Budget. For the current report interval, the budget is presented in *Annex 1.7-1_Support Financial Activity section*, article A (*Anexa 1.7-1_Suport sectiune Activitatea Financiara*).

The allotments from the Ministry of Education are granted based on the institutional and complementary contract and they include:

- Basic financing through study grants calculated based on the average cost per student, per domain, per study cycle and teaching language;

⁴⁸ <http://www.editurapolitehnica.upt.ro/listacolectii.php?an=2014>



- Complementary financing resulting from subventions for food and housing, funds granted based on priorities and specific norms for equipment and other investment expenses and major maintenance works, as well as funds for academic scientific research granted on a competitive basis;
- Additional financing granted in order to foster excellency among higher education institutions and study programs;

Personal income used in order to fund the university's activities during the interval selected for this report are presented in *Annex 1.7-1_ Support Financial Activity section*, article B (*Anexa 1.7-1_Suport sectiune Activitatea Financiara*).

Taking into account the pivotal role played by financial resources in attaining proposed objectives, the university's management is permanently engaged in applying all legal decisions that regulate the university's finances. At the same time, the university is busy developing internal procedures which might ensure a fast and seamless collection of its own income, as well as the efficient use of its own resources. The rate of its success is perhaps most eloquently illustrated by the fact that during the annual control missions inside the university, the Romanian Court of Accounts has only signalled minor irregularities which have since been corrected.

At the moment, school taxes are collected through POS in proportion of 49%, while dorm taxes in proportion of 66%.

UPT is consequent in applying the principle of decentralized financial management, down to department level (*Annex 1.7-1_ Support Financial Activity section*, article C (*Anexa 1.7-1_Suport sectiune Activitatea Financiara*)) and even further, in the case of some activities down to the level of profit and cost center, which we use to refer to a certain entity within the university that coordinates an activity or ensures a specific functionality.

Understanding the role played by income in sustaining the university's objectives, the management team of UPT acts specifically for each type of income, as follows:

- In order to increase income in the category of basic financing, the team acted, on the one hand, to improve quality indicators as established by the National Council for Financing Higher Education (CNFIS), whose weight in allotting funds increased yearly, but also to increase the number of students attending Master and doctoral programs, which entails a better financing coefficient;
- In order to increase income in the category of complementary financing, the team acted by advancing projects aimed at the rehabilitation and consolidation of the university's education and research infrastructure, as well as the social and sports-oriented one;
- In order to increase income from school taxes and other education-related activities (*Annex 1.7-1_ Support Financial Activity section*, article D (*Anexa 1.7-1_Suport sectiune Activitatea Financiara*)) the team acted by:



- intensifying and diversifying measures to improve education, social, cultural and sports-related conditions that the university provides to its students in view of attracting as many candidates as possible;
- multiplying and diversifying postgraduate study, training and lifelong professional learning programs, as well as advancing and promoting new educational services with tax through the Lifelong Education Center;
- A more pragmatic use of existing teaching spaces, in the context of a difficult economic climate, by renting out temporarily available spaces, which might also increase income;
- Providing conditions for establishing an overheads quota from self-financing activities at the latitude of the contract or project owners, which could stimulate research groups etc;
- Identifying and capitalizing on new income-generating centers, whose actions are adjacent to teaching activities
- In order to increase income from research, the following measures were taken:
 - attracting as many competitive research contracts as possible and establishing partnership contracts with national and international institutions;
 - capitalizing on the results of research and studies carried out in specialized and efficient conditions by starting several SPIN-OFF associations;
 - applying for as many projects financed by irredeemable European funds as possible, which could help us attract additional funds for the development and improvement of specific human resources (doctorate, post-doctorate, other categories), as well as the university's education and research infrastructure;
 - setting up sound measures and procedures of managing financial resources.

1.8. Intranational relations and international relations

The institutional relations developed by UPT during the reporting period were, in the tradition of the university, both intranational relations and international relations, in partnership with universities and academic institutions, companies and firms, educational institutions, and state institutions. Paragraphs 1.2, 1.4 and 1.5 provide many examples in this regard. Growing institutional productive relations has always been a university practice, contributing to its development from different angles: connecting the educational process to labor market needs, connecting the university to the requirements of the European area of higher education, transfer of know-how in the spirit of the university mission, insertion in the local, regional, national and international companies, providing support from companies for modernization of university education and research. UPT believes that consultation and cooperation with the civil society and the economic environment are essential for the development of any educational institution that prepares specialists for the labor market.



Throughout the reporting period, UPT has maintained good relations with other universities in Timișoara and many universities in the country. The 14 internal assessment reports associated with this report demonstrate the relations existent at faculty level.

UPT relation with the economic environment is embodied in various forms: updating curricula in accordance with the requirements of the economic environment, delivery of courses / workshops / laboratories by experts in the economic environment, practical training / internship / summer schools in companies, diploma projects, research contracts, etc. All these activities, carried out in collaboration with the economic environment are documented through framework agreements between UPT and companies (*Annex 1.8_Suport section Intranational relations and International Relations*, point Ab (*Anexa 1.8_Suport sectiune Relatii intranationale si internationale*)). We appreciate as very good the relations between UPT and Timisoara City Hall, Timis County Council (see the Recommendation in Section 1.9), the Timis Chamber of Commerce and Industry and the companies that exist in Timisoara, the county, the region and the country, UPT assuming the complex role of catalyst in development and liaison between different actors. UPT was actively involved in setting the strategy and policies at municipal, county, regional and national levels, in its fields of competence.

The university relations with the Timis County School Inspectorate and high schools, and also with high schools in neighboring counties are better and more consistent than in the previous reporting period. The actions were clear, based on projects (*Annex 1.8_Suport section Intranational Relations and International Relations*, part C (*Anexa 1.8_Suport sectiune Relatii intranationale si internationale*)) and agreements (*Annex 1.8_Suport section Intranational Relations and International Relations*, part D (*Anexa 1.8_Suport sectiune Relatii intranationale si internationale*)). Actions such as „A different school: know more, be better!” and the Caravan to promote the educational offer in high-schools in the months of February - April, together with visits to schools of faculty representatives, constitute every year efficient ways to counsel high school students to choose in a self-aware way the right educational path.

A special mention should be made about the relations between UPT and MECS.

The Association of Former Students and Employees of Politehnica (AFSAPT)⁴⁹ identified by the acronym ALUMNI contributed to maintaining the relations with former members of the university community, without being able to benefit enough from the support for UPT that graduates could offer. The situation was partially compensated by the Politehnica University Foundation Timisoara⁵⁰ and by the input from the Board of Directors.

The international promotion of the university, increasing its visibility and appreciation was another managerial priority of UPT top management during the reporting period.

⁴⁹ <http://www.alumni.upt.ro/activitati.php?op=1>

⁵⁰ http://fundatiapolitehnica.ro/?page_id=23



In addition to the presentation in Section 1.4, we state that UPT has concluded 384⁵¹ bilateral ERASMUS agreements (03/23/2015) with 26 countries ⁵². Also, UPT has signed framework agreements for cooperation with universities in Romania and 23 other countries ⁵³. *Annex 1.8_Suport section Intranational and international relations*, part A.a (*Anexa 1.8_Suport sectiune Relatii intranationale si internationale*) contains the list of companies, associations and institutes from abroad with which UPT has bilateral cooperation agreements.

1.9. Status of UPT's fulfillment of the recommendations made in the EUA EVALUATION

REPORT on Politehnica University of Timisoara - November 2012^{54,55}

The EUA evaluation report is a public document available on the UPT's site⁵⁶. Below the status of the fulfillment of the recommendations made by EUA is presented. The presentation is based on the chapter dealing with the conclusions of the report (pp. 27-30). The text written in italics quotes the report.

8. Conclusions

The team wishes to express the opinion that, in spite of the financial and legal changes, "Politehnica" University of Timisoara is a performance-oriented university, which has a distinguished reputation in the surrounding society.

The University is committed to the continuous improvement process and is, therefore, well positioned to meet current and future challenges, especially when the national operational environment stabilizes and, as hoped, it will improve. Furthermore, the university has amply demonstrated its capacity to overcome difficulties, such as with budgetary restrictions.

Overall, the strengths of the university are:

- *The university is classified as an advanced research and education university.*
- *The university enjoys a good reputation among current and prospective students, and among external stakeholders.*
- *The university had kept the established budget in spite of reductions from national level.*
- *There is a strong identity shared in the academic community*

The main challenges observed by the team are the following:

⁵¹ http://www.upt.ro/international/Mobilitati-Si-Cooperari-Internationale_Acorduri-bilaterale-Erasmus+_8_ro.html

⁵² Austria, Belgia, Bulgaria, Cehia, Cipru, Croația, Danemarca, Finlanda, Franța, Germania, Grecia, Italia, Letonia, Lituania, Macedonia, Marea Britanie, Norvegia, Olanda, Polonia, Portugalia, Slovacia, Slovenia, Spania, Suedia, Turcia, Ungaria.

⁵³ Austria, Belgia, Brazilia, Canada, Cehia, Chile, China, Danemarca, Elveția, Finlanda, Franța, Germania, India, Italia, Japonia, Marea Britanie, Moldova, Polonia, Portugalia, România, Serbia, Spania, Turcia, Ungaria.

⁵⁴ http://www.upt.ro/img/files/acredinst/Raport%20EUA_2012_en.pdf

⁵⁵ http://www.upt.ro/img/files/acredinst/Raport%20EUA_2012_ro.pdf

⁵⁶ http://www.upt.ro/Informatii_evaluari-institutionale_256_ro.html



- *Maintaining consistent results and quality in the current financial situation.*
- *Improving international visibility.*
- *The moratorium on staff promotions.*
- *Attracting and retaining the best doctoral students.*

On this occasion, the team would like to thank once again the university for the university's evaluation and to wish success in achieving goals.

The recommendations offered by the team above are summarized here.

No.	Recommandation	Stage of completion
1. Governance		
1.1.	<i>The team warmly supports the university's plan to establish the councils comprising deans and heads of departments. The team further recommends that the senate and the administrative council take a close look and collect experience, benefits and potential problems of the new structures, to see whether they are optimal at the moment, and take corrective action if any problems are identified. The faculties and departments currently have close and consensual ties, which should not be lost in the process.</i>	Advisory committees of the Council of Administration were created; these are composed of the heads of departments ⁵⁷ and focus on the axes of the UPT's strategic plan: i) Strategy, institutional development and educational infrastructure, ii) Budget and financial resources, iii) Human resources and career development, iv) Scientific research, v) Educational process, vi) Student problems, alumni, vii) International relations and UPT image, viii) Heritage management and development, and the relation with the economic environment.
1.2.	<i>The team recommends that the university takes steps to encourage more women pursuing academic careers in order to redress the current gender imbalance. Potential steps may include as examples targeting female academics with recruitment campaigns, providing mentoring or organising day care facilities for children.</i>	According to section 1.3. The teaching staff, in the reporting interval, 108 promotions were made within UPT, of which 63 were female professors, and 35 of them promoted as readers and lecturers. A number of 33 promotions were made after the EUA evaluation.
2. Teaching and learning		
2.1.	<i>The team recommends that the university take advantage of the new dual structure based on faculties being responsible for the study programmes</i>	The requirement has been met by developing and applying the operating procedure "Initiation, monitoring and evaluation of the

⁵⁷ http://www.upt.ro/administrare/dgac1/file/2013-2014/ca/Comisii_consultative_CA_componenta.pdf

	<i>and departments providing teaching services to the faculties, which allows for the deans to negotiate on equal terms with the heads of departments in order to create new disciplinary fields and study programmes. This in turn may contribute to increasing the attractiveness of the institution in the eyes of prospective students and help the university to compete for students.</i>	study programmes in UPT- code UPT-PO-B-0-05”, referred to in section 1.4. Educational process. The procedure was developed three months after the EUA evaluation mission.
2.2.	<i>The university has already established the first few lifelong learning programmes with companies located in the area, and the team recommends the university to expand these opportunities. The university may also consider providing lifelong learning courses online, as this may help the university further broaden its customer base.</i>	After the EUA visit, UPT conducted an intensive activity resulting in the creation of distance, part-time and lifelong study programmes ⁵⁸ (see reports in section 1.4. Educational process).
2.3.	<i>To solve the problem of high dropout rates, the team encourages the university to continue its provision of additional teaching in mathematics and physics and to diversify teaching methods in these subjects. Interactive methods may achieve better results than traditional lectures.</i>	UPT continues to organise incentive and recovery programmes (see Chapter 2, Section IPC.5.1.3. Incentive and recovery programmes), and the professors teaching fundamental disciplines use diverse teaching methods.
2.4.	<i>The team also encourages the university to include more practical activities and projects into its study programmes already in the early stages of studies. This may further alleviate the dropout rates.</i>	The curricula of the study programmes, both at the bachelor's and at the master's programmes, illustrate that projects play an important role in preparing students. The syllabi also point to the homeworks students have to do.
3. Research		
3.1.	<i>The team recommends that the university develops clear procedures for the potential situation in which they detect a drop in research production, as well as procedures for taking remedial action. The university could also make use of various international indicators, such as the SCOPUS database in evaluating its own research production.</i>	From a financial point of view, the university stimulates the production of research material through: i) mobility grants, ii) awards for the publication of articles in Thomson Reuters journals, iii) the conditions for obtaining the gradations of merit and iv) wage differentiation. These measures only partially offset the reduced funding for research in Romania. The SCOPUS

⁵⁸ http://www.upt.ro/Informatii_regulamente-upt_207_ro.html

		database problem is not only a local one; it is a matter of national policy of MECS.
3.2.	<i>The team further recommends that the university consciously target high impact factor international journals</i>	Section 1.5. Scientific research and its appendix, <i>Annex 1.5-1_ Support scientific research section (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)</i> , proves that UPT is highly interested in Thomson Reuters international database, considered the world standard in terms of impact factor.
3.3.	<i>The team recommends the university to establish an office to facilitate the application of research grants and forge contacts with companies with whom no previous collaboration exists.</i>	As of 2013 the Office for the Promotion and Counseling of CDI ⁵⁹ Projects became active and operational in UPT.
3.4.	<i>Finally, the team recommends that the university aims higher in terms of European research projects, focusing specifically on the high prestige 7th Framework Programme projects, the upcoming Horizon 2020 plan of the European unions, as well the European Research Council grants. Acquiring funding from these sources would enable the university to pay more competitive salaries and boost its international visibility in the field of research.</i>	According to those presented in Section 1.5. Scientific research, and in section IPB.3.1.2. of Chapter 2, Conducting research, UPT pursues the highest objectives with view to European projects, but the international institutional relations and the relations in terms of teaching staff have effects that compete with that objective.
4. Service to society		
4.1.	<i>Having local companies complement the possibilities offered by the branches of international companies may offer a solution to the limited capacity of the local enterprises to make use of the offers of the university. The university is already taking steps to encourage entrepreneurship amongst its students, e.g. by offering business management courses as part of some of its degree programmes. The team therefore recommends that the university work together with the city of Timisoara to encourage start up companies and spin offs in the region.</i>	UPT has settled the issue of spin-offs ^{60,61} . As shown in Section 1.5. Scientific research, spin-offs operate with encouraging results.
4.2.	<i>Establishing internet-based virtual training courses for the employees of the</i>	The university created the "Virtual Campus",

⁵⁹ http://www.upt.ro/Upt-Timisoara_promovare-si-consiliere-proiecte_227_ro.html ,
http://www.upt.ro/Informatii_prezentare_376_ro.html .

⁶⁰ [Regulamentul de înființare, sprijinire și monitorizare a spin-off-urilor, versiunea 13.03.2014](http://www.upt.ro/Informatii_prezentare_376_ro.html)

⁶¹ http://www.upt.ro/Informatii_spin-off_481_ro.html



	<i>local companies may create new student markets.</i>	and thus the necessary infrastructure for such virtual training courses ⁶² ; the university also gained experience in distance learning programs.
4.3.	<i>The team recommends that the university work together with relevant actors and authorities to modify the regulations concerning internships to develop forms that best serve the needs of on the job learning.</i>	UPT is permanently concerned with the issue of internships (see Sections 1.4. The educational process, and various sections of Chapter 2, mainly IPB.2.1.4. Focusing the learning methods on student). In 2014, it organized an internal audit on this issue. The efforts made by universities in this respect need consistent regulations nationwide.
5. Quality culture		
5.1.	<i>The team recommends that the university strengthens the overall holistic notion of quality culture, which does not focus solely on monitoring the output quality but cultivating a shared, integrated understanding of quality in all university activities, including administration and services. The European Standards and Guidelines pertaining to quality assurance may be of help in this, as well as the extensive work done by the European University Association on quality culture.</i>	The university applies, step by step, the provisions of the current Standards and Guidelines. The views expressed in the "Rector's statement on the quality assurance policy in UPT" ⁶³ and the document "Policy development in the field of quality assurance. Approaches of UPT's leadership based on the EUA guidelines" ⁶⁴ illustrate this.
5.2.	<i>We recommend that the university streamlines the quality assurance system making it part of the everyday activity to avoid burdening university personnel with additional requests for feedback and data. This means, for example, using data already available in existing information systems and databases instead of repeating data collection when information is already available.</i>	The Cogito application, referred to in Section 1.5 and in Chapter 2 (IPB.3.1.3. Harnessing research), and the introduction of some web pages on the university's website rubric of internal communication (password protected access), prove the university's initiatives of improving efficiency. It should be stressed, however, that the central government, at a national level, overload the universities with permanent changes in the reporting systems; in these cases the university can not intervene, the administrative staff, but also

⁶² http://www.upt.ro/Informatii_campusul-virtual-al-upt_429_ro.html

⁶³ http://www.upt.ro/img/files/2014-2015/calitate/Declar_Rector_2014.pdf

⁶⁴ http://www.upt.ro/img/files/2014-2015/calitate/DesfasPoliticii_aq.pdf

		other staff, is thus constantly busy.
5.3.	<i>Finally, the team recommends that the university takes steps to make the European Standards and Guidelines for Quality Assurance familiar and followed not only for those working with quality assurance in central administration, but also at the grassroots level of the university.</i>	On the university's website there is a page dedicated to "Documents and reports at a European level" ⁶⁵ , which is used following the recommendation that has been made.
6. Internationalisation		
6.1.	<i>The team recommends that the university strives to make better use of European funding opportunities for staff mobility and international staff, such as the Marie Curie programme, as well as the available national funding opportunities.</i>	The university is concerned with the issue of its staff mobility based on European funding. The teaching staff is constantly informed about the opportunities through the UPT site: i) the entry "Teaching staff, researchers and administrative staff" ⁶⁶ , ii) the webpage "Avizier" ⁶⁷
6.2.	<i>The university should also take steps to promote mobility opportunities for students, and consider establishing incentives for mobile students.</i>	The university is concerned with the issue of student mobility. The students are permanently informed on the opportunities through UPT site: i) the entry "Teaching staff, researchers and administrative staff" ⁶⁸ , ii) the web pages "Avizier" (mentioned above in section 6.1) and iii) and "Students" ⁶⁹ .

1.10. Status of UPT's fulfillment of the recommendations made by ARACIS (Romanian Agency for Quality Assurance in Higher Education) after the institutional assessment in June 2009

RECOMMENDATIONS MADE IN ARACIS' LETTER OF INFORMATION	
Recommendations	Level of achievement
1. Teaching process	
Recommendation 1 The revision of the curricula regarding the number of hours of teaching activity, the nature and weight of the subjects, in	The curricula comply with the ARACIS's requirements. All curricula are public on the UPT's website.

⁶⁵ http://www.upt.ro/Informatii_documente-si-rapoarte-la-nivel-european_19_ro.html

⁶⁶ http://www.upt.ro/international/Departamentul_Mobilitati_Si_Cooperari_Internationale_ro.html

⁶⁷ <http://avizier.upt.ro/>

⁶⁸ http://www.upt.ro/Upt-Timisoara_international_34_ro.html

⁶⁹ http://www.upt.ro/Upt-Timisoara_studenti_35_ro.html



Fondul Social European
POSDRU 2007-2013



Instrumente Structurale
2007-2013



MINISTERUL
EDUCAȚIEI ȘI
CERCETĂRII
ȘTIINȚIFICE



Agencia Română de
Asigurare a Calității în
Învățământul Superior

<p>accordance with the provisions of the ARACIS' specific standards for the field <i>Engineering Sciences</i>, and the assurance of appropriate specialized training through compulsory subjects (in the study programs that do not meet these requirements).</p>	
<p>Recommendation 2</p> <p>The introduction of at most two projects per semester, in all the study programs; in the present, there are semesters, mainly in the final years, with a too high number of projects, issue noticed in the discussions with the students.</p>	<p>Both for the field <i>Engineering Sciences</i> and for the field <i>Architecture</i> the number of projects/ semester has been reduced. The companies and firms believe that training through projects is essential, and the reduction is questionable.</p>
<p>Recommendation 3</p> <p>The analysis of the possibilities to improve the performing mode and conditions of internships; the expansion of the performing system of internships through integrated programs in specialized companies.</p>	<p>UPT has improved the students' internship programs. The number of companies with which it has agreements has increased. The 14 assessed programs during this institutional assessment exemplify the obtained results.</p> <p>A national legislative progress is required regarding the stimulation of firms and companies in the context of students' internship.</p>
<p>Recommendation 4:</p> <p>The compliance with the students' choice regarding the optional subjects.</p>	<p>The students' choice is complied with. The choice is regulated. The choosing regulations depend on the specializations and are found on the faculties' websites.</p>
<p>Recommendation 5:</p> <p>The reanalysis of the regulation regarding the assurance of the possibility to graduate two years in one, corroborated with the number of annual credits; the finding of modalities to make efficient the optional teaching activities.</p>	<p>A regulation developed in the context of the Bologna cycles exists and is implemented.</p>
<p>Recommendation 6:</p> <p>The compliance with the legal provisions (according to the Statute of the teaching staff) regarding the dimensioning of teaching norms.</p>	<p>The teaching norms are in compliance with the Statute of the teaching staff from the Law 1/2011. The situation from the 2009 accreditation was clearly improved.</p>
<p>Recommendation 7:</p> <p>The elaboration of all subjects' holders of the materials for every teaching activities (lectures and applications), not only electronically but also printed.</p>	<p>The subjects' holders edit their courses mainly in the <i>Politehnica</i> Publishing House. As may be, some courses appear also in other Publishing Houses.</p> <p>It would be useful to stimulate the importance of</p>

	this activity at the national level.
<p>Recommendation 8:</p> <p>The realization of a real opening in the occupancy of teaching positions.</p>	The opening exists. The obtained results were discussed in Section 1.3. The teaching staff. UPT faced the national blockage situation during 2010-2013.
<p>Recommendation 9:</p> <p>The concentration of the <i>Politehnica</i> University of Timisoara's efforts to equip the library with recent works and works in sufficient copies, in the fields in which there are shortcomings in this respect (especially for the relatively recently established faculties).</p>	The library's construction was completed, the number of services offered by the library has increased and the book fund has been continually updated inclusive by human resources and research projects to which UPT has participated.
<p>Recommendation 10:</p> <p>The finding of some ways and means of a greater teachers' 'closeness' towards the students' teams.</p>	Discussions and meetings were organized. A broad reach action was represented by the training and conferences cycle associated with the application of the Regulation regarding the students' guidance and counseling in the UPT outside the teaching activities ⁷⁰ .
<p>Recommendation 11:</p> <p>Students to be offered a guide for the elaboration of licentiate dissertations.</p>	There is no guide at the university level. There are guides at the specializations' level.
<p>Recommendation 12:</p> <p>The happening of all teaching activities from the curriculum in the foreign language, for the study programs with teaching in foreign languages.</p>	The number of study programs in foreign languages has grown. All subjects are taught in the language of the study program.
<p>Recommendation 13:</p> <p>The involvement of the faculties, through an active marketing strategy, in the guidance and counseling of high school graduates towards engineering fields less sought by them, but with impact on the labor market (e.g. Electrical Eng.).</p>	The requirement is fulfilled. Within the report, the used instruments are presented, together with, the existing concern both at the university' and faculties' levels.
<p>Recommendation 14:</p> <p>The establishment of some clear rules for granting the merit pay and gradations based on teachers' real competence and value.</p>	The existing Regulation responds exactly to this requirement. ⁷¹
2. Scientific research	
Recommendation 1:	The number of citations has increased

⁷⁰ http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente_anexe_hs/Regulament_indrumare_stud_in_afara_activ_didactice_Anexa_HS26.pdf

⁷¹ http://www.upt.ro/Informatii_alegeri-si-concursuri_366_ro.html - line: Gradații de merit.



<p>The increase of the citation and international recognition grade of all the scientific bulletins edited by the university.</p>	<p>considerably (see Annex 1.5-1_Suport section <i>Scientific Research</i> and the specification at the end of the presentation of the <i>IPB.3.1.3. Valorization research</i> indicator).</p>
<p>Recommendation 2: The encouragement of licentiate and master students to participate in scientific research contracts.</p>	<p>The master and doctoral students are encouraged to participate in contracts. However, the activity can be only punctual.</p>
<p>Recommendation 3: The realization of procedures for the accreditation of Research centers within faculties that do not currently have such accredited structures.</p>	<p>In the absence of accreditation instruments at national level, the university undertook internal assessments of research centers.</p>
<p>Recommendation 4: The taking of measures to prevent teachers' plagiarism and copying.</p>	<p>The issue of plagiarism is treated in the code of ethics, is discussed with doctoral students in a special course, is controlled by the statements accompanying the diploma works and dissertations and is analyzed by UPT's Ethics Committee.</p>
<p>Recommendation 5: The permanent organization of some scientific events for students and teachers, in the cases where they do not exist.</p>	<p>The university organizes with the master students, at the end of the study programs, communication sessions that are open also to licentiate students.</p>
<p>Recommendation 6: The encouragement of teachers and doctoral students to publish ISI rated articles.</p>	<p>The problem is constantly present, as shown in the sections 1.5. <i>Scientific research and IPB.3.1.3. Valorization research</i>. To point out the awards given by UPT.</p>
<p>3. Relation with students</p>	
<p>Recommendation 1: The organization of meetings between students and teachers to debate problems raised by the implementation of the Bologna process.</p>	<p>During 2009 and 2010 meetings were held under the leadership of the rector, as well as the faculty boards. On the UPT's website, more materials are posted and links to the addresses of interest are introduced.</p>
<p>Recommendation 2: A more conspicuous attraction of students in taking decision at a faculty and university level.</p>	<p>The students are trained in taking decisions according to the legal provisions. They are represented, also according to legal regulations, in all leadership organisms.</p>
<p>Recommendation 3:</p>	<p>CICS reports and documents are presented in</p>



Fondul Social European
POSDRU 2007-2013



Instrumente Structurale
2007-2013



MINISTERUL
EDUCAȚIEI ȘI
CERCETĂRII
ȘTIINȚIFICE
COPESOMU



Agencia Română de
Asigurare a Calității în
Învățământul Superior

<p>The elaboration of periodic reports of the Centre of Students' Information and Counselling (CICS) and their presentation in the faculty councils, regarding activity and results.</p>	<p>the faculties and in the Board of Directors. Recently CICS was reorganized under the provisions of OMEC no. 650/19.11.2014 and OMECS no. 3070/14.01.2015.</p>
<p>Recommendation 4: The improvement of students' assessment system for the activities carried out throughout the academic year.</p>	<p>The assessments carried out during the semesters are done at the rate set by faculties' boards together with the subjects' holders and with the students.</p>
<p>Recommendation 5: The realization of a database to facilitate contact with graduates and with employers.</p>	<p>CICS partially realized databases with graduates. At the meetings of different faculties' promotions, the faculties complete their contact list.</p>
<p>Recommendation 6: The assessment of teachers by students should be transparent and without subjectivity.</p>	<p>In order to ensure transparency in the assessment process, student unions are trained, and the assessments results from some faculties are summarized and made public.</p>
<p>4. Funding sources</p>	
<p>Recommendation 1: The development of funding by alternative funding sources, particularly by projects accessed at a national level (for example POS) and, especially, at an international one.</p>	<p>UPT accessed starting 2009 numerous projects funded by FSE. The problem was presented in Section 1.5 and <i>Annex 1.5-1_Suport section Scientific Research</i>.</p>
<p>Recommendation 2: The continuation of the efforts to equip all teaching and research laboratories with modern equipment, in this action being required the involvement of all teachers.</p>	<p>UPT has continued to be concerned with the laboratories' equipment and maintenance (see Sections 1.4, 1.5 and 2.1.2 of this report). The involvement was at institutional level and at the teacher's level through participation in various programs with national and European funding.</p>
<p>Recommendation 3: The attraction of necessary funds for the finalization of educational spaces' modernization.</p>	<p>The results obtained are presented in the sections 1.6 and 2.1.2. regarding the material base.</p>
<p>5. International cooperation</p>	
<p>Recommendation 1: The increase of internationalization efforts, by organizing study programs in foreign languages or in collaboration with European universities.</p>	<p>The university has international cooperation agreements in both aspects.</p>
<p>Recommendation 2: The attraction of a higher number of</p>	<p>The university has made significant progress in</p>



Fondul Social European
POSDRU 2007-2013



Instrumente Structurale
2007-2013



MINISTERUL
EDUCAȚIEI ȘI
CERCETĂRII
ȘTIINȚIFICE



Agencia Română de
Asigurare a Calității în
Învățământul Superior

students within the Erasmus mobility program.	terms of attracting students in programs such ERASMUS. ⁷² (see Sections 1.2, 1.4 and corresponding annexes).
EXTERNAL EVALUATOR'S OBSERVATIONS	
Recommendation 1: The self-assessment report must be made public.	The report was made public immediately after the happening of the mission visit. ⁷³
Recommendation 2: The report should have presented more critically certain difficulties, such as the maintenance of premises, and should have given more summary data directly and not through annexes.	Within the report, some difficulties faced by the university were presented, associated both to funding problems encountered, especially starting with 2010, and to those generated by legislative shortcomings, such as stimulating companies to receive students in practice. In the material, we have introduced as many value items taken from the annexes as possible.
Recommendation 3: UPT should form a body of external counselling.	The Board Committee was created (see sections 1.2 and 2.1).
Recommendation 4: UPT to analyze the licentiate programs in terms of employability.	The analyses were performed both directly and through participation in various national programs (for e.g. DOCIS program regarding higher education qualifications).
Recommendation 5: The Senate and the leadership organisms must have a reasonable number of members in order to be effective and formulate a clear vision of the university.	The number of Senate members was reduced from 81 to 68 (51 teachers and 17 senators) in the perimeter mentioned by the Law 1/2011.
Recommendation 6: The founding of a study program of Technical Mathematics or similar is recommended.	A master's degree program <i>Statistical Methods and Techniques in Health and Clinical Research</i> with a pronounced mathematical nature was founded. ⁷⁴
Recommendation 7: UPT to realize closer contacts locally both for the benefit of educational activities and their funding and for the benefit of the economic environment	The problem is developed in paragraph 1.9, point 4.

⁷² http://www.upt.ro/Informatii_programe-internationale_363_ro.html

⁷³ http://www.upt.ro/img/files/acredinst/UPT_Raport_de_autoevaluare_institutionala_2009.pdf

⁷⁴ http://www.upt.ro/img/files/2014-2015/master/pi/mec/2014_2015_MEC_MTSSCS_master.pdf



Fondul Social European
POSDRU 2007-2013



Instrumente Structurale
2007-2013



MINISTERUL
EDUCAȚIEI ȘI
CERCETĂRII
ȘTIINȚIFICE



Agencia Română de
Asigurare a Calității în
Învățământul Superior

STUDENTS EVALUATORS' OBSERVATIONS

<p>Recommendation 1:</p> <p>UPT to continue engaging students through their systems of representation to as large extent as possible in shaping and realizing of the university mission.</p>	<p>See response to Recommendation 2 under the heading <i>Relationship with students</i> above.</p>
<p>Recommendation 2:</p> <p>UPT to analyze more deeply the source of the relatively high level of distrust declared by students and to ensure that the formal mechanisms of moral integrity protection are promoted so that they generate a culture of a stronger trust in the university community.</p>	<p>The university board discussed with the students' leaders and with the faculties' and departments' boards this aspect. It has been tried, by direct discussions with students and their representatives, to increase the level of trust. The assessments made by the student organizations nationally showed an increase of the trust degree.</p>
<p>Recommendation 3:</p> <p>UPT to provide instant access, via the Internet, to all decisions taken by the leadership boards.</p>	<p>This was done both through the UPT's website and through the information points from the faculties' hallways.</p>
<p>Recommendation 4:</p> <p>The reduction of prices in the canteens for university students.</p>	<p>The UPT's Board follows this issue permanently and intervenes whenever there is the possibility to reduce prices.</p>
<p>Recommendation 5:</p> <p>The expansion of the canteen.</p>	<p>It is functional. A fast food has also been opened.</p>
<p>Recommendation 6:</p> <p>The increase of students' access to laboratories' facilities.</p>	<p>The problem is always in the attention of the faculties' boards. Any request coming from students is positively analyzed.</p>
<p>Recommendation 7:</p> <p>The admission to university to be passed based on an exam or at least on the average marks at relevant subjects.</p>	<p>The MECS' more responsible treatment of the baccalaureate examination, together with UPT's Admission regulation have allowed the meeting the requirement.</p>
<p>Recommendation 8:</p> <p>The subjects' syllabuses to be public, and the teachers to present them to the students.</p>	<p>The subjects' outlines are found on the faculties' websites. The teachers present them to students.</p>
<p>Recommendation 9:</p> <p>The continuation of students' involvement in the relation with employers.</p>	<p>This requirement is achieved by CICS and student unions.</p>
<p>Recommendation 10:</p> <p>The linking of the study programs to the labor market requirements to be a</p>	<p>See response to recommendation 4 of the <i>External evaluator's observations</i>.</p>



permanent concern.	
<p>Recommendation 11:</p> <p>The increase of the communication skills in the study programs.</p>	Action was taken in two ways. On the one hand, by defining the transversal skills associated to the qualifications, on the other hand by introducing the subject Communication in the study programs.
<p>Recommendation 12:</p> <p>The attention given by the university board to the CICS office to be higher.</p>	See the response from the Recommendation 3 (Relation with students).
<p>Recommendation 13:</p> <p>The organization of quality assurance courses.</p>	DGAC has organized for 8 years elective courses with Continental Automotive Romania SRL.
<p>Recommendation 14:</p> <p>The reassessment of the number and the mode in which projects function.</p>	See response to recommendation 2 of the Teaching process.



Chapter 2

QUALITY ASSURANCE OF STUDY PROGRAMS, STANDARDS, AND REFERENCE STANDARDS AS PART OF INSTITUTIONAL STRATEGIC MANAGEMENT

Chapter 2 is organized according to paragraph 5.2. “Standards, reference standards and performance indicators for institutional accreditation” of the ARACIS Guide to external evaluation for institutional accreditation. An appendix is attached to each standard indicator which gives the level of the corresponding indicator as provided by ARACIS (NIPA).

2.1. Institutional capacity

2.1.1. Institutional, administrative and managerial structures

2.1.1.1. Standard SA.1.1. Mission, objectives and academic integrity

- *I.P.A.1.1.1. Mission and objectives*

The Politehnica University of Timisoara (UPT) is a state higher education institution. The legal framework within which it has been established and it has been functioning is shown in Chapter 1, section 1.1 *Annex 1.1-1_Document of founding Polytechnic School (Anexa 1.1-1_Act de infiintare_Scoala Politehnica)* and *Annex 1.1-2_Actual name of UPT (Anexa 1.1-2_Nume actual UPT)*). The same section points out the mission of UPT as provided in its Charter⁷⁵. Its mission refers to transfer of knowledge to society, provision of higher professional training, involvement in social development at local, regional, national and international levels and promotion and defence of mankind fundamental values. Each faculty of the Politehnica University has its own mission as stated in its individual strategic plan⁷⁶ and which is part of the overall mission of the University.

The University Charter is in accordance with the Law of National Education 1/2011 and with the European higher education principles. The mission of the University is carried out through setting and achieving the objectives provided in strategic plans which are at University and faculty levels⁷⁷ made and implemented through operational plans. In achieving the University mission and developing the University strategy, the University board is advised in matters of teaching quality, research and administration of patrimony by the Management Committee of the University⁷⁸. The strategic objectives follow nine directions⁷⁹: i) internal organization and academic management, ii) teaching process, iii) research, innovation and original creation, iv) student activities, v) finance and material resources, vi) human resources, vii) internal relations/services and collaboration with the

⁷⁵ http://www.upt.ro/img/files/2013-2014/carta/Carta-UPT_2014.pdf

⁷⁶ http://www.upt.ro/Informatii_planuri-strategice_59_ro.html

⁷⁷ http://www.upt.ro/Informatii_planuri-strategice_59_ro.html

⁷⁸ http://www.upt.ro/Informatii_comitet-director_254_ro.html

⁷⁹ [http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_stragic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf](http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_strategic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf)



socio-economic environment, universities research institutes viii) external relations/internationalization and ix) image and communication.

All mentioned documents have been made public (see the bottom notes).

The particular feature which distinguishes the Politehnica University from other Romanian universities is that this university is the greatest technical university in the western part of Romania whose academic policy is to support a society based on knowledge and which has an established reputation for quality engineering training in IT and in other technological fields.

From the above presentation it results that NIPA (*Annex 2.1.1.1. Support_Mission, objectives and academic integrity*, point A (*Anexa 2.1.1.1. Suport_Misiune, obiective si integritate academica*)) has been fulfilled.

- *IPA.1.1.2. Academic integrity*

The Senate of the Politehnica University has a Commission on academic ethics⁸⁰ which observes the provisions of the Code of academic ethics⁸¹.

The reports of the Commission on ethics are made public. According to these reports, the Commission annually examined a small number of cases mainly connected with research and management activities. The existing code allowed the proper solving of these cases. At faculty level, the problems of academic ethics are dealt with by the faculty board and at department level by the department board.

At the moment of preparing this self-evaluation report, the Senate of the Politehnica University is discussing a new statute for the Commission on ethics and a new code of ethics for the University with provisions based on previous practice.

From the above presentation it results that NIPA (*Annex 2.1.1.1. Support_Mission, objectives and academic integrity*, point B (*Anexa 2.1.1.1. Suport_Misiune, obiective si integritate academica*)) has been fulfilled, *the institutional mechanisms of academic integrity being functional*.

- *IPA.1.1.3. Public responsibility and accountability*

The fulfilment of the tasks provided in operational plans is annually scrutinized through reports made by the administration board, the faculty board and the department board. The reports are discussed and approved by the managing bodies of the Politehnica University, namely the Senate, the Administration Board, the Faculty Board, the Department Board.

Likewise activities related to both the basic processes (research, teaching, management) and the supporting processes, e.g. administration, are periodically audited. The procedures are made public⁸². The University annually audits both the teaching process⁸³ and related activities⁸³ and the managerial and administrative activities. The audits aim at finding out whether these activities are in accordance with the regulations in force and they are made on the basis of an audit

⁸⁰ http://www.upt.ro/Informatii_etica-si-deontologie_164_ro.html

⁸¹ <http://www.upt.ro/administrare/dgac1/file/2010-2011/Codul%20de%20etica-1.pdf>

⁸² http://www.upt.ro/Informatii_proceduri-ale-sistemului-de-management-al-calitatii_15_ro.html

⁸³ http://www.upt.ro/administrare/dgac1/file/2012-2013/calitate/PROGRAM_audit_calitate_2013_CEAC.pdf



procedure⁸⁴ under the coordination of CEAC. Audits are made by audit teams appointed by the Rector and the DGAC. Audit teams are made by members of the academic community selected from a corps of auditors⁸⁵, including even students and external participants. The audit reports are submitted to the Administration Board which discusses them and proposes plans of remedial action.

From the presentation above it results that NIPA (*Annex 2.1.1.1. Support_Mission, objectives and academic integrity*, point C (*Anexa 2.1.1.1. Suport_Misiune, obiective si integritate academica*)) has been fulfilled, the Politehnica University having a regulated and functional auditing practice.

2.1.1.2. Standard SA.1.2. Management and administration

- *I.P.A.1.2.1. Management system*

Within the Politehnica University of Timisoara the management activity is carried out according to the University Charter⁸⁶ and the following regulations: “Anexa 22⁸⁷-Regulamentul intern, Anexa 17⁸⁸-Regulamentul de organizare și funcționare a senatului, Anexa 18⁸⁹-Regulamentul de organizare și funcționare a Consiliului de Administrație al UPT, Anexa 23⁹⁰-Regulamentul de organizare și desfășurare a alegerilor pentru structurile și funcțiile de conducere, respectiv pentru structurile și funcțiile de reprezentare a studenților.”

These regulations cover the structural elements⁹¹ included in the organigram⁹² of the Politehnica University and observe the relevant legal requirements.

The Rector of the University is chosen by universal, direct and secret vote, by the teaching staff and by the students who are members of the University Board and of the Senate. All legal requirements referring to student participation are met with.

For communication the University Politehnica uses the Internet, the University website, the faculty websites, the Intranet application (since 2013): [Avizierul UPT](#) and [Secretariat](#), the Politehnica University poster board and secretariates, accessible to all University entities including student associations. Documents are handled according to the operational procedure “Management of non-classified documents”⁹³.

⁸⁴ http://www.upt.ro/pdf/PG_Audit_Intern_01.pdf, http://www.upt.ro/pdf/PO_Audit_02.pdf

⁸⁵ http://www.upt.ro/pdf/calitate/Registrul_Corpului_de_Auditori_Interni_UPT.pdf

⁸⁶ http://www.upt.ro/administrare/dgac2/file/2011-2012/Carta/Carta_UPT_adoptata_in_21-07-2011.pdf

⁸⁷ http://www.upt.ro/administrare/dgac1/file/2011-2012/regulamente/Anexa_22_CartaUPT_Regulament_Intern.pdf

⁸⁸ http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente/Anexa_17_Carta_UPT_Regul_organiz_funcionare_Senat_UPT.pdf

⁸⁹ http://www.upt.ro/administrare/dgac1/file/2011-2012/regulamente/Anexa_18_CartaUPT_Regulament_de_organizare_funcionare_CA.pdf

⁹⁰ http://www.upt.ro/administrare/dgac1/file/2011-2012/regulamente/Anexa_23_CartaUPT_Regulament_alegeri-2012.pdf, http://www.upt.ro/administrare/dgac1/file/2010-2011/Regulamente%20interne/Regulament_alegeri_studenti_reprezentanti_2011.pdf

⁹¹ http://www.upt.ro/administrare/dgac1/file/2012-2013/inf_publice/Componentele_functionale_ale_structurii_UPT_2013.pdf

⁹² http://www.upt.ro/administrare/dgac1/file/organigrama/Organigrama_UPT_2013.pdf

⁹³ http://www.upt.ro/img/files/hca/2014/HCA46_07_10_2014.pdf



From the above presentation it results that the NIPA requirements (*Annex 2.1.1.2. Support_Management and administration*, point A (*Anexa 2.1.1.2. Suport_Conducere si administratie*)) are met with.

- *IPA.1.2.2. Strategic management*

The whole reporting activity of the Politehnica University has been based on rigorously prepared four-year strategic plans (2008-2012⁹⁴ și 2012-2016⁹⁵)⁹⁶. The operational plans allowed the updating of the annual strategy of the University taking into account the latest developments in higher education and in the national economic environment. The faculties have their own operational strategic plans which are correlated with those of the University. The Administration Board is assisted in its activity by consultative commissions⁹⁷, the Senate works with 11 specialist commissions⁹⁸ and the faculty boards also may use of specialist commissions in their activity.

The implementation of operational plans is scrutinized periodically according to the above mentioned Regulations, I.P.A.1.2.1 and the Senate annually evaluates, on the basis of the Rector's report on the state of the University⁹⁹, the results and the notable performances of the University. The same procedure is used at faculty level.

From the above presentation it results that the NIPA requirements (*Annex 2.1.1.2. Support_Management and administration*, point B (*Anexa 2.1.1.2. Suport_Conducere si administratie*)) have been met with.

- *IPA.1.2.3. Effective Administration*

The Administration Board of the University coordinates the administrative sector through the General Administrative Division which ensures the proper running of the supporting activities necessary to the basic educational and research activities. The organigram gives the structure of this division¹⁰⁰.

The whole administration activity is carried out according to the regulations in force and the procedures followed by the various departments, namely Finance-Accounting, Human Resources, Technical Department for Administration-Patrimony, etc. Items 1.6 and 1.7 of this Report present in detail the material resources and the financial activity of the University (*Annex 2.1.1.2. Support_Management and administration*, point C (*Anexa 2.1.1.2. Suport_Conducere si administratie*)). All administrative activities such as financial activities, budget allotment, decision

⁹⁴ http://www.upt.ro/pdf/PS/UPT_Plan_strategic_pentru_perioada_2008-2012.pdf

⁹⁵ http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_strategic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf

⁹⁶ http://www.upt.ro/Informatii_planuri-operationale_60_ro.html

⁹⁷ http://www.upt.ro/administrare/dgac1/file/2013-2014/ca/Comisii_consultative_CA_componenta.pdf

⁹⁸ http://www.upt.ro/Informatii_comisiile-senatului_267_ro.html

⁹⁹ http://www.upt.ro/administrare/dgac1/file/2013-2014/raport_rector_2013/Raport_Rector_2013.pdf

¹⁰⁰ http://www.upt.ro/administrare/dgac1/file/2012-2013/inf_publice/Componentele_functionale_ale_structurii_UPT_2013.pdf,
http://www.upt.ro/administrare/dgac1/file/2013-2014/org/Organigrama_DGA_2014.pdf



making, management and control, etc. are periodically submitted to audits according to HG - 1086/2013 – internal audits made by the Public Internal Audit Department as well as annual audits made by CEHC.

The administrative sector is staffed by people selected by competitive examination and its job requirements are clearly defined.

All departments of the General Administrative Division use information applications compatible with the European ones (*Annex 2.1.1.2. Support_Management and administration*, point D (*Anexa 2.1.1.2. Suport_Conducere si administratie*))

From the above presentation it results that NIPA (*Annex 2.1.1.2. Support_Management and administration*, point E (*Anexa 2.1.1.2. Suport_Conducere si administratie*)) has been fulfilled.

2.1.2. Physical capital

2.1.2.1. Standard SA.2.1. Patrimony, Equipment, Allotted Financial Resources

- *IPA.2.1.1. Spaces for teaching, research and other activities*

UPT rigorously manages spaces for teaching, research and other activities. The norms we use are the following: space in a lecture hall, 1.1-2 square meters, space in seminar classrooms 1.5-2.2 square meters, space in laboratories 2.7-4.5 square meters, teachers' lounges 5-15 square meters, dorms 4-12 square meters, space in reading hall (library) 1.5 square meters. ARACIS (The Romanian Agency for Quality Assurance in Higher Education) requirements are respected

For a centralized management of these spaces, we use the ESGD¹⁰¹ application (The Inventory of Spaces Managed by the UPT entities). Article A from Annex 2.1.2.1. *Support_Patrimony, Equipment, Allotted Financial Resources* (*Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate*) contains the information presented on the UPT site. The dorms and dining halls belong to the The General Administration Board which is why they appear in different categories in ESGD. The examples correspond to rooms selected from several faculties.

The appearance of the teaching spaces has been presented in detail, in paragraph 1.6 *Material Resources*, in Chapter 1 of this report. The presentation reflects the UPT's permanent concern for the maintenance and development of these spaces. In the report's interval, UPT has planned three investment objectives.

The schedule for each classroom is published on all the UPT faculties' sites.

From everything presented above, we can conclude that NIPA (*Annex 2.1.2.1. Support_Patrimony, Equipment, Allotted Financial Resources*, point B (*Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate*)) is respected.

- *IPA.2.1.2. Equipment*

¹⁰¹ http://www.upt.ro/Informatii_evidenta-spatiilor-gestionate-de-entitatile-din-upt_260_ro.html



All lecture halls and classrooms are equipped with projectors (as well as additional equipment), to which the teachers can connect their laptops, thus facilitating the communication process with the students.

The laboratories (be they spaces devoted to teaching or research, or both) are fitted with equipment and means of communication (teaching with the help of projectors as well as writing on the blackboard) compatible with those present in other universities in the country and abroad. In order to maintain the possibilities for experimental study offered by its labs, UPT has benefited from the material support of several companies, such as Continental Automotive SRL Romania¹⁰²).

In the first chapter of this report, we emphasized UPT's concern for outfitting its labs, even through research projects and projects with European funding. (*Annex 1.6-1_Support material basis section, point C (Anexa 1.6-1_Suport sectiune baza materiala)*). The main equipments that the labs are outfitted with are registered in the ESGD application (see the example in *Annex 2.1.2.1. Support_Patrimony, Equipment, Allotted Financial Resources, article A (Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate)*). Each lab has a presentation sheet, and its use appears in the other 14 study programs assessed within this institutional evaluation¹⁰³. The way in which the labs' equipment is used, the situation of software licenses included, has been analyzed during the internal audit in 2013, "Ensuring the Quality of the Education Process for the Main Disciplines at the Undergraduate Level from the Point of View of the Material Bases, Documentation and Ability to Apply Knowledge in Application Solving".

From everything mentioned above, we can conclude that the NIPA requirements (*Annex 2.1.2.1. Support_Patrimony, Equipment, Allotted Financial Resources, punctul C (Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate)*) are respected.

- *IPA.2.1.3. Financial Resources*

UPT's financial activity was summarized in the first Chapter, section 1.7. *Annex 1.7-1_Support for the Financial Activity Section (Anexa 1.7-1_Suport sectiune Activitatea Financiara)* refers to the financial situation of UPT during the report's interval. The budgetary execution account of UPT is public for the entire reporting interval¹⁰⁴. During each of its meetings, the UPT's Administration Board analyzes the university's financial situation and reports it annually to the Senate¹⁰⁵.

Corroborating these data with the details pointed out in sections 1.4 and 1.5, and, respectively, with the references to achieving the ARACIS indicators associated with the teaching

¹⁰² See *Anexa I-1.4-2_Puncte de vedere ale companiilor privind procesul de învățământ in UPT*, secțiunea SC Continental Automotive SRL Romania „Date despre companie”.

¹⁰³ See *Laboratory description* http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html

¹⁰⁴ See *Section „Financial sources – Execution account of the university budget”* at http://www.upt.ro/Informatii_informatii-de-interes-public_202_ro.html.

¹⁰⁵ See the chapters on the financial activity in the UPT Rector's annual reports at http://www.upt.ro/Informatii_rapoarte_335_ro.html



and research processes, reveals that UPT has at its disposal real and sustainable financial sources and resources, both short and long-term, in order to achieve all its objectives that are part of its strategic plan.

Consequently, UPT satisfies all the NIPA requirements (*Anexa 2.1.2.1. Support_Patrimony, Equipment, Allotted Financial Resources*, punctul D (*Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate*)), possessing a sound financial plan, clear-cut administration and realistic investment policies.

- *I.P.A.2.1.4. The Student Grant System and Other Means of Material Support for Students*

UPT gives grants to students from budgetary funds, but also from the institution's own income. These grants are of the following type: i) scholarships, ii) merit grants, iii) performance grants, iv) social grants and allowances. Out of its own income, UPT offers iii) performance grants (for instance, prizes for various competitions) and iv) social grants and allowances. The decision to offer a certain grant is taken by the Faculty's Grant Board, which consists of the Dean, as chair, the Vice-Dean, the chief secretary and a student representative.

The grants are given in accordance with certain regulations: a) *Regulation regarding grants and allowances for undergraduate and postgraduate students within UPT*¹⁰⁶, b) *Senate decision nr. 15/01.06.2009 regarding grants from extra-budgetary income for students of Romanian ethnicity from countries non-members of the European Union*¹⁰⁷, c) *The procedure of offering grants and special social allowances*¹⁰⁸. d) *The UPT Administration Board's decision on awarding students participating in competitions*¹⁰⁹.

Several explanations to the regulations a) and b), relevant in the context of the present report, can be found in *Annex 2.1.2.1. Support_Patrimony, Equipment, Allotted Financial Resources*, article E (*Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate*).

With regards to the application of documents mentioned in c) and d), we would like to specify that in 2014 UPT gave grants and special social allowances to students with a difficult financial situation who have good academic results (quantum: 26.078 lei), support grants to special case students (quantum: 14.850 lei), special grants, for the duration of an academic year, to students who win first places at national and international levels of academic or professional competitions (quantum: 15.000 lei), special grants to Master students with very good academic and research results¹¹⁰ (quantum: 74.580 lei).

Consequently, UPT satisfies the NIPA requirements from the *Annex 2.1.2.1. Support_Patrimony, Equipment, Allotted Financial Resources*, article E (*Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate*)

¹⁰⁶ http://www.upt.ro/administrare/dgac1/file/2010-2011/Regulamente%20interne/Regul_burse_ajut_soc_licenta_master.pdf

¹⁰⁷ http://www.upt.ro/pdf/licenta&master/HBES_15_2009.pdf

¹⁰⁸ http://www.upt.ro/img/files/hca/2013/HCA3_19_03_2013.pdf

¹⁰⁹ http://www.upt.ro/img/files/hca/2012/HCA10_28_05_2012.pdf

¹¹⁰ Granted only starting with the academic year 2014-2015 according to the Decision of the UPT Administration Council nr. 58/09.12.2014. UPT.



2.2. Educational efficacy

2.2.1. Study programme content

2.2.1.1. Standard SB.1.1. Student admission

- *IPB.1.1.1. UPT student admission policy to the study programmes*

UPT pursues transparent policies for recruiting and admitting students to the study-programms it offers. These are based on the information provided by the University sites and on an extensive academic marketing (*Annex 2.2.1.1. Support_Student admission*, points A and B (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)). Admission dedicated pages on the University sites provide transparent information on admission requirements ¹¹¹

Admission is organized according to methodologies and regulations as provided by the Bologna system for each of the three University degrees, i.e. bachelor's degree, master's degree and doctor's degree¹¹². The admission system also includes open University study programs. Methodologies and regulations point out that admission is exclusively based on the candidates' scholastic aptitudes discrimination being outlawed. Examination relevant subjects and bibliography are made public at least six months before the entrance exam takes place and the bibliography is available, in printed form, at the Politehnica Timișoara Publishing House and at the headquarters of each faculty (Article 6 of the first methodology)

The Mathematics Department of the Politehnica University teaches annually from March to June classes of mathematics¹¹³ for University candidates for free (*Annex 2.2.1.1. Support_Student admission*, point C (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)).

From the above presentation it results that the Politehnica University meets the NIPA requirements for admission to the University (*Annex 2.2.1.1. Support_Student admission*, point D (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)) namely transparent recruitment and admission, constant promotion of university marketing policies, equal opportunities based strictly on the candidates' scholastic aptitudes

- *IPB.1.1.2. Admission practices*

Candidates are admitted to the Politehnica University by competitive examination organized according to the University own methodologies¹¹⁴ which observe the legal requirements and the annual directives of the National Education Ministry ¹¹⁵.

¹¹¹ http://www.upt.ro/Upt-Timisoara_admitere_31_ro.html, than http://www.upt.ro/Informatii_admitere-2015---licenta_360_ro.html etc.

¹¹² http://www.upt.ro/img/files/2014-2015/admitere/licenta/Metodologie_adm_licenta_iulie_2015.pdf
http://www.upt.ro/Informatii_admitere-2015---master_400_ro.html
http://www.upt.ro/img/files/2013-2014/admitere/doctorat/Regulament_admitere_doctorat_criterii_2014-v12.pdf

¹¹³ http://www.upt.ro/Informatii-utile_admitere-2015---cursuri-pregatitoare-de-matematici_41_ro.html

¹¹⁴ http://www.upt.ro/img/files/2013-2014/admitere/licenta/Metodologie_admitere_licenta_iulie_2014_Anexe.pdf
http://www.upt.ro/img/files/2013-2014/admitere/licenta/Metodologie_adm_2014_sept_2014.pdf

¹¹⁵ http://old-www.upt.ro/administrare/dgac1/file/2013-2014/admitere/OMEN_5734_dec_2013_cadru_desf_admitere.pdf for 2014 (OM nr.5734/24.12.2013).



For the bachelor's degree candidates are admitted on the basis of a competitive examinations of their school records or of their scores on the scholastic aptitude tests. Candidates should be high school graduates and should have a baccalaureate diploma or a baccalaureate equivalent diploma. Admission is made on the basis of a mark each candidate gets after being evaluated. 80% of this mark is represented by the scholastic testing scores (*Annex 2.2.1.1. Support_Student admission*, point E (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)). Admission is made according to the candidates' scores. Criteria have been provided for choosing between two equal candidates competing for the last place. The results of the admission examination are posted up on the same day and at the same time at all faculties of the University and on their websites. Candidates' complaints are dealt with according to the existing procedures (*Annex 2.2.1.1. Support_Student admission*, point F (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)). The highest authority which can deal with complaints is the University Central Commission for Admission.

For the master's degree candidates are admitted on the basis of a competitive examination following a unique methodology ¹¹⁶ and various procedures as adopted by various faculties. Ea se finalizează cu o notă de apreciere sintetică. The admission mark has two components: one is the mark obtained for tests or interviews and one is the bachelor's degree average mark. Announcement of final results and dealing with complaints are made as described above for the bachelor's degree (*Annex 2.2.1.1. Support_Student admission*, point G (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)).

UPT organizes competitive examinations for admission to doctoral studies according to its own regulations ¹¹⁷ (*Annex 2.2.1.1. Support_Student admission*, point H (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)). The applicants for admission to doctoral studies should have a master's degree in accordance with the Bologna system or be university graduates from study programs previous to the Bologna system.

The above presentation points out that all NIPA requirements for admission to the University are met with by the Politehnica University (*Annex 2.2.1.1. Support_Student admission*, point I (*Anexa 2.2.1.1. Suport_Admiterea studentilor*)) and that admission examinations are based on combined criteria according to which admission testing scores are given the greatest weight.

2.2.1.2. Standard SB.1.2. Structure and presentation of study programs

- *IPB.1.2.1. Structure of study programs*

UPT's study programs are based on the correlation between results in learning and research. This is achieved through commands sent by faculties to departments, taking into account the teaching and research skills from the departments, and through the initiation mode of the study programs, provided by specialist teachers from UPT's departments. The programs are presented

¹¹⁶ http://www.upt.ro/img/files/2013-2014/admitere/master/2014_Metodologie_adm_Anexa_8_la_Carta_UPT.pdf,
http://www.upt.ro/img/files/2013-2014/admitere/master/Metodologie_2014_master_sept.pdf

¹¹⁷ http://www.upt.ro/img/files/2013-2014/admitere/doctorat/Regulament_admitere_doctorat_criterii_2014-v12.pdf



by the curricula, subjects' outlines, schedules of activities, including consultations, other documents.

Until the publication of OMECS no. 5204/2014, UPT applied the methodological provisions of the National Qualifications Framework in Higher Education, appropriate to engineering education and which, through Grids 1 and 2, realized the combination between skills that define a higher education qualification and the subjects of the curriculum. For all specializations from the licentiate cycle, minus those from the Architecture field, the grids extracted from RNCIS on UPT's website¹¹⁸ are valid. Their subject outline and the laboratory outline¹¹⁹ answer all NIPA's requirements containing data about program and subject, total estimated time, preconditions and conditions (where applicable), acquired specific skills, subject's objectives, contents (including bibliography), corroboration of the subject's content with the expectations of the economic environment and assessment.

The design of study programs, explained in paragraph 1.4 of Chapter 1 of this report and operationalized through *The Operational Procedure of Initiation, Approval, Monitoring and Internal Evaluation of study programs in UPT*¹²⁰, is realized by involving the specializations' and fields' boards. It complies with ARACIS' specific standards¹²¹. The curricula are entirely public (see References in Chapter 1). The curricula specify the proportion of subjects expressed by ECTS study credits and contain the subjects successively ordered during schooling. The subjects' contribution to the achievement of skills appears in the subject outline. The mission and objectives of the study programs are found on the faculties' websites in the presentation pages of study programs.

All curricula from the licentiate cycle contain independent optional¹²² subjects or packs of optional subjects located starting with semester 6 for the licentiate programs of 4 years (and 6 years - Architecture) and semester 3 for those of 3 years. They allow students to choose their own learning route according to individual skills and interests. In the first semesters the weight is of at least 25% reaching in the last semesters at 100%. Thus, for all study programs, at least 30% of the total accumulated credits at the end of the study program come from freely chosen subjects (*Annex 2.2.1.2 Support Structure and presentation of study programs*, point A (*Anexa 2.2.1.2 Suport Structura si prezentarea programelor de studii*)) Likewise, the optional subjects are contained also in the curricula of master and doctoral cycles.

¹¹⁸ See the table from the address: http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2014-2015_498_ro.html. The Reports of the study programs' internal assessment that accompany the present Report of internal institutional assessment show the use of Grid 2.

¹¹⁹ The outlines are found at the address: http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html

¹²⁰ http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente/PO_privind_initierea_aprobarea_implementarea_monit_prog_studii.pdf

¹²¹ http://www.upt.ro/img/files/calitate/Standarde_specifice_Stiinte_ingineresti.pdf

¹²² The organization and development regulation of the educational process in the *Licentiate* study cycle from UPT, Art. 11 paragraph e and f, refers to the weight of the optional subjects of the curricula, http://www.upt.ro/administrare/dgac1/file/2011-2012/regulamente/Anexa_4_CartaUPT_RODPI_licenta_2011-2012.pdf,



The completion of studies in UPT is regulated¹²³. In the licentiate cycle, it is achieved by means of the subjects: *Elaboration of the licentiate paper/diploma project* and *Licentiate/ diploma exam* stipulated by the specific legislation in force, each subject having an outline and a number of credits. The completion of master studies is achieved by means of the subject *Elaboration and defense of the dissertation* preceded by a research activity or stage.

The study completion exams certify the acquisition of cognitive and professional skills which correspond to the university qualification due to the study program.

All study programs are developed with the participation of several departments (specialized, Mathematics, Management, Engineering physical bases, Communication and foreign languages, Physical education and sports), involved in boards, along with representatives of the specialized economic environment and students, and in designing curricula. Each subject has a corresponding number of credits in accordance with the national regulations regarding ECTS. The passing of the subject leads to the allocation of all the credits to the student, as a result these credits are recognized, implicitly also the passing of the subject, in the case of any intra or interuniversity transfer or mobility.

Considering all the things mentioned above, it can be seen that the requirements of NIPA's different levels (*Annex 2.2.1.2 Support_Structure and presentation of study programs*, point B (*Anexa 2.2.1.2 Suport_Structura si prezentarea programelor de studii*)) are met.

- *IPB.1.2.2. Differentiation in managing study programs*

UPT offers study programs both in full-time learning type (IF) and in distance learning type (ID) and part-time learning type (IFR). The learning processes are regulated by specific regulations (see¹²⁴ and next footnote). The initiation, development, implementation and management of the study programs for ID and/or IFR takes place in a specialized institutional structure, *The Center ID/IFR and e-Learning (CeL)*, organized at university level. The teaching activities in the ID and IFR learning types take place on its own e-learning platform, developed by the *Center ID/IFR and e-Learning* under the name UPT Virtual Campus. (see Chapter 1, paragraph 1.4 and *Annex 1.4-1_Support section learning process*, point E (*Anexa 1.4-1_Suport sectiune proces de învățământ*)).

ID provides students/trainees the opportunity to study individually and conduct group learning activities, in ID support centers.

IFR is a learning type having common characteristics with both IF and ID. The teaching activities are condensed, organized into modules, periodic and they involve both direct meetings, face to face, in the learning areas between students/trainees and teachers, and the use of teaching/training means specific to ID.

¹²³ The regulation regarding the organization and development of the licentiate/diploma and dissertation exams in the Politehnica University Timisoara, http://www.upt.ro/img/files/2014-2015/regulamente/Regulament_examen_Licenta_Master.pdf

¹²⁴ http://www.upt.ro/administrare/dgac1/file/2011-2012/regulamente/Anexa_4_CartaUPT_RODPI_licenta_2011-2012.pdf.



By means of the *Regulation regarding the Organization, Development and Norming of Teaching Activities in the Distance Learning and Part-time Learning Types in UPT*¹²⁵, the university complies with and applies all legal requirements, stipulated inclusively by ARACIS' documents, regarding the correspondence of the study programs duration, the use of ECTS system and the completion of the study programs of the IFR and ID types with IF type. (see *Annex 2.2.1.2 Support_Structure and presentation of study programs*, point C (*Anexa 2.2.1.2 Suport_Structura și prezentarea programelor de studii*)). The observation of the correspondence implies the permanent renewal of the programs by introducing new knowledge resulted from scientific research, including its own.

The application of the regulations adopted by the Senate and proposed by the Board of Directors (CA) with the support of the Center for Teacher Training, *the Center ID/IFR and e-Learning*, was monitored during internal assessments in order to periodically assess the study programs and was analyzed in the CA meetings.

During the reporting period in UPT projects based on structural funds relative to study programs in the ID type¹²⁶ (Multi-regional program of master study in eActivities field - eSTART, University school of initial and continuous training of teachers and trainers in the fields of engineering and technical specializations DidaTec.) were conducted and completed.

We appreciate that also in this case the requirements of NIPA's different levels (*Annex 2.2.1.2 Support_Structure and presentation of study programs*, point D (*Anexa 2.2.1.2 Suport_Structura si prezentarea programelor de studii*)) are satisfied.

- *IPB.1.2.3. Relevance of study programs*

As mentioned, in UPT the study programs are elaborated and periodically reviewed by the specializations and fields boards that issue specifications for each subject. The specifications consider: i) the compatibility of programs nationally and internationally, ii) the summary of keywords for subjects' content, including also knowledge transfer from research to the learning process, iii) the correlation of various subjects' contents, iv) the reflection of the point of views of some specialized and experienced teachers, of students, of relevant employers' representatives and of some graduates. Based on the specifications, the holders elaborate the programs and subjects' outlines, which are then validated by the boards and integrated in the documents of the study programs by the faculties' councils. The initiation of new subjects undergoes a procedural channel¹²⁷, with successive validations and approvals, after which the programs reach the boards circuit.

¹²⁵ http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente_anexe_hs/Regulament_normare_activ_didactice_IFR_ID_Anexa_HS27.pdf

¹²⁶ http://www.upt.ro/Informatii_pos-dru_318_ro.html

¹²⁷

http://www.upt.ro/administrare/dgac1/file/2012_2013/regulamente/PO_privind_initierea_aprobarea_implementarea_monit_prog_studii.pdf



For quality assessment and study programs monitoring, UPT uses a mechanisms system integrated in a PDCA¹²⁸ cycle. In the assessment stages, several aspects are taken into account: the quality assurance of the teaching staff in UPT¹²⁹, as well as the perceptions of students (see the forms from the address below¹³⁰), companies (Annex 1.4-2_Companies' points of view regarding the educational process in UPT (*Anexa 1.4-2_Puncte de vedere ale companiilor privind procesul de invatamant in UPT*)), etc. regarding the cognitive and professional relevance of subjects, and, implicitly, of the study programs.

UPT's participation by long-term experts within the strategic project *Development of an Operational System of Higher Education Qualifications in Romania - DOCIS*¹³¹, developed nationally in the first half of the reporting period, contributed to the analysis of the changes that have occurred in the qualifications' profiles and had an impact on the study programs' organization.

We consider that the requirements of NIPA's different levels (*Annex 2.2.1.2 Support_Structure and presentation of study programs*, point E (*Anexa 2.2.1.2 Suport_Structura si prezentarea programelor de studii*)) are met.

2.2.2. Learning outcomes

2.2.2.1. Standard SB.2.1. Valuing the achieved academic competence

- *IPB.2.1.1. Valuing the ability to engage in the labour market*

UPT is concerned with the development of its students'and graduates' abilities and practical skills of insertion in the labour market by offering career opportunities both to students during their studies and to graduates at they obtain their diploma. Consultation and collaboration with representatives of civil society and economic environment are essential and the Steering Committee composed of representatives of the major companies operating in the area and of representatives from civil society provides substantial support in this regard.

One of the activities organized in this context is the biannual event called "Career Days" in which university students and graduates can benefit from: i) presentation of the firms in the domain, ii) presentation of careers and successful people, iii) visits to companies in the domain, iv) participation in workshops, seminars and trainings, v) participation in engineering technical competitions and in other types of contests, vi) visits to laboratories equipped by companies, vii) obtaining offers for internship, viii) obtaining research projects, ix) obtaining internships for the elaboration of works for graduation, x) obtaining summer jobs or part-time jobs or even permanent

¹²⁸

<http://www.upt.ro/pdf/calitate/Mecanismele%20universitatii%20Politehnica%20din%20Timisoara%20referitoare%20la%20Oprogramelede%20studiu.pdf>

¹²⁹ <http://www.upt.ro/pdf/calitate/Asigurarea%20calitatii%20corpului%20profesoral%20in%20UPT.pdf>

¹³⁰ http://www.upt.ro/Informatii_chestionare-de-evaluare-si-autoevaluare_18_ro.html

¹³¹ <https://sandamariaardeleanu.wordpress.com/2011/10/20/conferinta-finala-a-proiectului-strategic-%E2%80%99Edezvoltarea-unui-sistem-operational-al-calificarilor-din-invatamantul-superior-din-romania%E2%80%99D-%E2%80%9993-docis/>



jobs. Around 80 companies and approximately 6,000 participants / edition (students and graduates) attended this event during its five editions, organized since 2012.

In order to monitor the insertion of graduates in the labour market, with the awarding of graduation certificates, our graduates are asked to complete a "Questionnaire on the employment of UPT graduates"¹³², through which UPT: a) updates its contacts in the graduates database, b) obtains information on whether graduates have a job, whether they work in the area of their qualification and on the way in which they have found a job, c) gets informed on the extent to which students' transmitted knowledge is used at the current job, and also on what other knowledge would have been necessary to them, d) gets informed on the graduate's interest in further study. This action is coordinated by the Centre for Information and Student Counselling¹³³, which subsequently resumes the process at different intervals of time by telephone contact.

Analyses conducted after the monitoring stage show that over 50% of UPT graduates have a job in the field of their qualification in less than a year after graduation. The annual statistics on employment of graduates in the labour market are presented in the Rector's annual report on the university status¹³⁴ resulting that the NIPA min requirement is met (point A of *Annex 2.2.2.1 Support_Exploitation of the academic qualification obtained (Anexa 2.2.2.1 Suport_Valorificarea calificarii universitare obtinute)*). Regarding the NIPA Ref 1 requirement, our opinion is that, based on the master students' employability, but without sufficient data on the large number of UPT graduates, that requirement is met.

- *IPB.2.1.2. Valuing qualifications by continuing university studies*

Within UPT, all Bologna cycles are implemented. Faculties encourage graduates of bachelor studies to pursue their professional development through master studies. Requirements for admission to master studies in UPT are presented in *Annex 2.2.2.1 Support_Exploitation of the academic qualification obtained (Anexa 2.2.2.1 Suport_Valorificarea calificarii universitare obtinute)*, in addition to the aspects pointed out in paragraph 2.2.1.1. Standard SB.1.1. Admission of students. UPT offer of master studies of for admission in 2014 is presented in *Annex 1.4-1_Support section Educational process (Anexa 1.4-1_Suport sectiune Proces de invatamant)*.

Annex 2.2.2.1 Support_Exploitation of academic qualification obtained, point C (*Anexa 2.2.2.1 Suport_Valorificarea calificarii universitare obtinute*) shows the number of bachelor graduates from UPT who became students to UPT master studies, for last two graduation years. The table shows that in 2013, respectively 2014, 81% of bachelor graduates from UPT, respectively 65%, became students in UPT master programs. As a result, NIPA requirements are

¹³² The questionnaire may be found at the address http://www.upt.ro/Informatii_chestionare-de-evaluare-si-autoevaluare_18_ro.html

¹³³ http://www.upt.ro/Informatii_centrul-de-informare-si-consiliere-a-studentilor_138_ro.html

¹³⁴ http://www.upt.ro/Informatii_rapoarte_335_ro.html



met (*Annex 2.2.2.1 Support_Exploiting the academic qualification obtained*, point D (*Anexa 2.2.2.1 Suport_Valorificarea calificării universitare obtinute*)).

- *IPB.2.1.3. Level of satisfaction of students in relation to professional and personal development ensured by the university*

UPT believes that, in the context of ENQA and the EUA European policies, ensuring a level of satisfaction of students in relation to their professional and personal development is a fundamental objective of the university. This view is also expressed by the Rector's statement regarding the quality assurance policy in UPT¹³⁵. Student satisfaction is considered in conjunction with the curricula and the realism of the skills provided by the study program, their consistency and the compliance of examinations with the real requirements of skills in the labour market.

For monitoring and assessment of students' satisfaction in UPT several means are used such as questionnaires, meetings of the university management with students and faculties, expression of student representatives' views of in management bodies, internal audits. Moreover, views expressed by UPT students across different national programs are also collected and analysed.

Of the questionnaires used, following could be mentioned: Questionnaire on student perceptions and opinions concerning teacher performance and the didactic activities¹³⁶, aimed at students' level of satisfaction regarding the study subjects¹³⁷; and Questionnaire on assessment of students' satisfaction from the perspective of their expectations¹³⁸ concerning teaching quality and professional development, expectations concerning the relationship with teaching and administrative staff, and expectations regarding social life and leisure.

Internal evaluation reports of the 14 study programs accompanying institutional assessment make a summary of recent responses received from students¹³⁹. The views expressed by students allow us to consider that NIPA requirements are met (*Annex 2.2.2.1 Support_Exploiting the academic qualification obtained*, point E (*Anexa 2.2.2.1 Suport_Valorificarea calificării universitare obtinute*)). We emphasize, however, that they come only from some of the students, namely that their positioning in terms of their professional and personal development is different.

- *IPB.2.1.4. Student - centred teaching methods*¹⁴⁰

UPT assumed the terms stipulated in Law 1/2011 on learning outcomes and how its Charter expresses and promotes the concept of student-centred university and the concept of student-centred education (p. 21)¹⁴¹.

¹³⁵ http://www.upt.ro/img/files/2014-2015/calitate/Declar_Rector_2014.pdf

¹³⁶ http://www.upt.ro/administrare/dgac2/file/Calitate/FORMULAR_E-A4-2006_Chestionar-2.pdf

¹³⁷ Examples of assessments may be found at the section "Assessments performed" from the address http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html

¹³⁸ http://www.upt.ro/administrare/dgac1/file/2013-2014/calitate/Formular_E-SAS-2007.pdf

¹³⁹ The questionnaires with answers may be found at the dean's office in each faculty

¹⁴⁰ La argumentarea acestui indicator trebuie avute în vedere și precizările din secțiunile anterioare ale raportului de autoevaluare: 1.4. Procesul de învățământ și 2.2.1.2. Standardul SB.1.2. Structura și prezentarea programelor de studii



The principles underlying the rules that define students' condition and their activity within the academic community of UPT, converging the *student-centred teaching methods* are the principle of non-discrimination, the principle of the right to free health care and specific services for students, the principle of representation and participation in the decision process, freedom of expression, freedom of access to information principle, the principle of freedom to contribute to the construction of their careers, the principle of freedom to engage in university extracurricular activities, the principle of encouraging participation in voluntary activities and the principle of competition and meritocracy.

The syllabi, which are public documents on the websites of faculties, delineate the competences that the respective subject contributes to, the teaching methods, the laboratory works, projects and internships, and the examination methods. Teaching methods meet the requirements of RQAHE. Interaction with students is achieved using information technology facilities in multiple ways, from direct communication with teachers to use of the virtual campus. The techniques of interaction with students during the teaching process are varied, but they have a subjective component, too dependent on students, on the teacher and on the subject of study. In all subjects, consultations are organized and their program appears on UPT website¹⁴².

Programs of faculty internship achieve an integration of curricula with labour market needs. UPT is involved in a process of amalgamating the practice, thus meeting the constant requirements of both the economic environment and of the students. For most faculties, practice will take place amalgamated, after the third year of study. Practice periods at the end of year 2 are provided, too, but their number is smaller and their goal is to present the practice offer to students.

The university considers students' guidance and counselling as an expression of student centeredness characterized by informing, supporting and advising students throughout their studies in order to integrate them into academia, choosing the most suitable professional, cultural, sporting and social options. Moreover, counselling may help students develop assertion skills and their individual value (*Regulation on guidance and counselling UPT students outside teaching activities*¹⁴³). CISC¹⁴⁴ provides the opportunity of individual counselling for students.

In some faculties of the university, students are integrated into research right from the undergraduate cycle. In addition, a number of diploma papers develop issues related to activities of companies in the field of computers, technology, materials and constructions.

Concerning NIPA Requirements (*Annex 2-2.2.1 Support_Exploitation of academic qualification obtained*, point F (*Anexa 2-2.2.1 Suport_Valorificarea calificarii universitare obținute*)) it is found that NIPA min is met, and also partly NIPA Ref.1 and NIPA Ref. 2. The number of

¹⁴¹ http://www.upt.ro/img/files/2013-2014/carta/Carta-UPT_2014.pdf

¹⁴² See the last column in: http://www.upt.ro/Informatii_programe-de-licenta-2013-2014_200_ro.html

¹⁴³ <http://www.upt.ro/administrare/dgac1/file/2012->

[2013/regulamente_anexe_hs/Regulament_indrumare_stud_in_afara_activ_didactice_Anexa_HS26.pdf](http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente_anexe_hs/Regulament_indrumare_stud_in_afara_activ_didactice_Anexa_HS26.pdf)

¹⁴⁴ http://www.upt.ro/Informatii_centrul-de-informare-si-consiliere-a-studentilor_138_ro.html



debates focused on discussing teaching methodology should be increased. The current system of standardizing the activity of teachers and the volume of bureaucratic activities, which teachers become involved in make NIPA Ref. 2 requirements achievable only isolatedly.

- *IPB.2.1.5. Career guidance for students*

At university level, there is a structure are called *Centre for Information and Student Counselling*¹⁴⁵, where undergraduates, and also graduates and college students can benefit from the following services (detailed in section G of *Annex 2.2.2.1 Support_Exploitation of academic qualifications obtained (Anexa 2.2.2.1 Suport_Valorificarea calificarii universitare obtinute)*):

- informing students and graduates using various ways of communication,
- advising students on various issues, including through the offices of faculties,
- psychological counselling and assessment of skills,
- trainings, seminars and workshops,
- identification of opportunities for UPT students and graduates,
- presentations of companies,
- presentations of job offers by means of events such as "Career Days",
- presentation of job offers from companies by means of CICS,
- promoting the educational offer of UPT both at home and abroad,
- generating various student support materials,
- organizing study or information tours,
- managing a database of CVs and career offers,
- Monitoring graduates' insertion in the labour market.

In the faculties, through the Centre for Information and Student Counselling, other actions on career guidance are organised, too. (e.g. events where the disciplines are presented).

As noted, the university has settled rules for the counselling and tutoring students outside teaching activities¹⁴⁶. Each study year has a guide of and each teacher has been assigned at least 2 hours of consultation¹⁴⁷.

In addition, in UPT voluntary activity is recognized, being provided as optional subject in the curriculum, which is given additional credits¹⁴⁸.

From the above presentations, it results that NIPA requirements are fulfilled (*Annex 2.2.2.1 Support_Exploitation of academic qualification obtained*, point H (*Anexa 2.2.2.1 Suport_Valorificarea calificarii universitare obtinute*)).

¹⁴⁵ http://www.upt.ro/Informatii_centrul-de-informare-si-consiliere-a-studentilor_138_ro.html

¹⁴⁶ Regulation on informing and counselling students outside didactic activities, http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente_anexe_hs/Regulament_indrumare_stud_in_afara_activ_didactice_Anexa_HS26.pdf

¹⁴⁷ http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2014-2015_498_ro.html, http://www.upt.ro/Informatii_programe-de-studii-de-master-2014-2015_505_ro.html

¹⁴⁸ Methodology concerning the award of credits for the acknowledgement of voluntary activities of PUT students, http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente_anexe_hs/Metodologie_acordare_credite_recun_activ_voluntariat_Anexe_HS28.pdf



2.2.3. Scientific Research Activity

Scientific research in UPT done during the reporting period was synthesized in paragraph 1.5 of Chapter 1, mainly in terms of changes and updates. Analysis of the achievement of RQAAHE indicators conforming to the standard "Research Programs", which will henceforth be presented, should be regarded as a continuation and detailing of the issues addressed in Chapter 1.

2.2.3.1 Standard S.B.3.1. Research Programs

- *IPB.3.1.1. Research Planning*

UPT, as university for advanced research and education, one of the Romanian higher education schools with established tradition being recognized nationally and internationally, has continually adapted to academic competence requirements of society through continuous involvement in research and innovation in specific areas and by ensuring superior training, at graduate and postgraduate levels

Research is conducted in departments that, in most cases, have associated research centres where teachers, doctoral and master students work, as well as independent research centres. In this context, UPT understood that it should be concerned with increasing the number of research laboratories and the promotion of interdisciplinary research on current issues. An important achievement in this regard is the Research Institute for Renewable Energies inaugurated in March 2012 and the UPT centres of excellence, recognized nationally and internationally: CEMSIG¹⁴⁹, CICSEE¹⁵⁰, CCIM¹⁵¹.

UPT ensures working conditions for researchers through research laboratories, equipment, offices, library, subscriptions to specialised journals, licensed software, etc. and stimulates research and its recognition by providing financial support to teaching and research staff to attend conferences and symposia.

UPT research strategy is reflected in all the strategic planning, self-assessment and operational documents adopted by the Senate: UPT Charter¹⁵², UPT Strategic Plan of institutional development between 2012 - 2016¹⁵³ and UPT Operational Plans¹⁵⁴ (*Annex 2.2.3.1. Support_Research Programmes*, point A (*Anexa 2.2.3.1. Suport_Programe de cercetare*)) and by the Faculty Councils: Strategic development plan during the interval 2012-2016 and the Operational Plans. In 2014, by decision of the Board of UPT, Research Council¹⁵⁵ was established, as advisory body of the Board of UPT, with the mission to develop policies and strategies for the support,

¹⁴⁹ <http://www.ct.PUT.ro/centre/cemsig/>

¹⁵⁰ <http://www.et.PUT.ro/index.php?link=10&sublink=1695&pag=1&lang=en>

¹⁵¹ <http://www.mpt.PUT.ro/pag/centru%20cercetare.html>

¹⁵² http://www.upt.ro/Informatii_carta-universitatii_48_ro.html

¹⁵³ http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_strategic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf

¹⁵⁴ http://www.upt.ro/img/files/2014-2015/po/2015_PO-UPT.pdf

¹⁵⁵ http://www.upt.ro/img/files/hca/2014/HCA32_17_06_2014.pdf



coordination, streamlining and assessment of research activities, technological development and innovation in the UPT.

The foresight of the research resources is included in the Annex to UPT Strategic Plan and the resources involved in the reporting period are set out in paragraph 1.5. *Scientific research* and in *Annex 1.5-1_Support section scientific research (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*. The main research themes addressed are listed in the same annex. They show that, in establishing the vision and the research targets, UPT has taken into account, as a benchmark, the strategic documents at national / regional level (National Strategy for Research, Development and Innovation 2007-2013; National Plan for Research, Development and Innovation 2007 - 2013, Competitiveness and Innovation Framework Programme 2007-2013, the Western Region Development Strategy 2007-2013; Regional Development Plan 2007-2013) and was concerned with participation in research funding competitions organized both at the national and at European level.

Research accomplished through technology transfer, has been a constant concern of departments, faculties and management structures. This issue is pointed out in paragraph 1.5.

From the facts mentioned above, one can see that UPT meets the NIPA requirements (*Annex 2.2.3.1. Support_ Research Programmes, point B (Anexa 2.2.3.1. Suport_Programe de cercetare)*).

- *IPB.3.1.2. Research Achievement*

The aspect of the research process was detailed in Chapter 1, paragraph 1.5 Scientific Research. It was also addressed in the EUA assessment of 2012¹⁵⁶. In UPT, research has financial, logistical and human resources to achieve the objectives of the proposed research. This is illustrated by *Annex 1.5-1_Support section scientific research (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)* which presents data on the structures of UPT research, UPT human resource involved in research and its distribution, the results in terms of published scientific papers, indexed (mainly ISI), of funds raised for research, organized scientific events, administrative structures involved in research projects promotion and counselling etc. There is a strong doctoral school where young researchers are trained, through postdoctoral activities among others

At the same time, it results from the sections mentioned that, in UPT, there is a climate and a strong academic culture centred on research, proven by the number of research grants, publications and cognitive and technological transfer through consultancy, and scientific collaborations. In addition, there are currently 10 applications for funding for research projects, which have been submitted under the active calls of the programme Horizon 2020 (3 projects where UPT is the applicant and 7 projects where UPT is partner). In these projects a large number

¹⁵⁶ http://www.upt.ro/img/files/acredinst/UPT-EUA%20_Evaluare-Raport-2012.pdf



of doctoral and postdoctoral students are involved besides teachers of all levels, with extensive research activity and experience in obtaining funds for research.

The research environment is completed by the analyses undertaken by the Ethics Committee¹⁵⁷ of UPT Senate.

One may estimate that the NIPA requirements for IPB.3.1.2 Research Achievement (Annex 2.2.3.1. *Support_ Research Programmes*, point C (*Anexa 2.2.3.1. Suport_Programe de cercetare*)) are met.

- *IPB.3.1.3. Practical application of research results*

UPT, faithful to its mission, generates knowledge through advanced scientific research, development and innovation, respectively, it transfers to society the results through publication and / or implementation and through other forms of dissemination, where there is research ethos and culture, and concerns for the valorisation of its results.

The results of scientific research carried out by teachers, researchers, Ph.D. and undergraduate students of UPT in laboratories and research centres are capitalised in scientific articles published in prestigious national and international journals or presented at national and international conferences, indexed in international databases (*Annex 1.5-1_Support Scientific Research (Anexa 1.5-1_Suport sectiune Cercetare Stiintifica)*), patent applications, patents and in the scientific bulletins / periodicals published by “Politehnica” University Publishing House. Prizes awarded to teachers and researchers of “Politehnica” University of Timișoara, nationally and internationally, value the high quality scientific results.

In section 1.5 it was stated that, inside UPT, publishing activity is managed online by means of COGITO¹⁵⁸ system. In addition to the synthesis in *Annex 1.5-1_Support Scientific Research Section*, point H (*Anexa 1.5-1_Suport sectiune Cercetare Stiintifica*), *Annex 2.2.3.1. Suport_ Research Programmes*, point D (*Anexa 2.2.3.1. Suport_Programe de cercetare*) gives details on other aspects of COGITO.

The valorisation of research results is achieved through patents (two patents granted in 2010, five in 2011, two in each of the years 2013 and 2014), some of them exploited by spin-offs (see Chapter 1 and *Annex 2.2.3.1. Suport_ Research Programmes*, point E (*Anexa 2.2.3.1. Suport_Programe de cercetare*)), and respectively, by patent applications (ten applications in 2010, six in 2011, nine in 2012, seventeen in 2013 and four in 2014).

Throughout the reporting period, the university has campaigned to encourage the publication of research results by the body of university researchers in more and more prestigious journals and conferences. The publication of a number of articles in such journals and such conferences was set as a sine qua non condition for promotion. As shown above, the target of

¹⁵⁷ http://www.upt.ro/img/files/2014-2015/etica/Raport_Comisia_etica_2013.pdf

¹⁵⁸ <https://cogito.upt.ro/login.php>



visibility correlated with measures of highest level of impact, mainly ISI standard, has been promoted consistently.

From the above it is found that UPT meets the NIPA min requirements (*Annex 2.2.3.1. Support_ Research, Programmes point F (Anexa 2.2.3.1. Suport_Programe de cercetare)*).

National and international appraisal of scientific research results achieved at UPT in the interval 2010-2014 (NIPA Ref. 1) is given by:

a) Prizes awarded by UEFISCDI¹⁵⁹ for research results: thirty-five in 2010, twenty-seven in 2011, forty-eight in 2012, sixty-two in 2013 and one hundred in 2014.

b) Prizes awarded to teachers, in the year 2014: i) the award "Anghel Saligny" - Dan Dubina, Corresponding Member of the Romanian Academy, Viorel Ungureanu and Raffaele Landolfo, ii) the award "Costin Nenițescu" - Daniel Hădărugă, Geza Bandur, Nicoleta Hădărugă, and Heinz-Dieter Isengard.

One world prestigious scientific result was obtained by Prof. Dr. Eng. Ion-Gheorghe Boldea, Corresponding Member of the Romanian Academy: the IEEE Nikola Tesla Award for 2015¹⁶⁰.

Recognition of the value of research carried out under the auspices of UPT is also given by the large number of citations of its scientific publications. At the time of writing this section¹⁶¹, an update of citations (ISI and SCOPUS) was 824 in 2010, 808 in 2011, 67 in 2012, 353 in 2013 and 50 in 2014.

2.2.4. Financial activity of the organisation

2.2.4.1. Standardul SB 4.1. Budget and accounting

The financial activity in Politehnica University Timisoara was analysed at large in Chapter 1, section 1.7. The financial activity is detailed in *Annex 1.7-1_ Support Financial Activity section (Anexa 1.7-1_ Suport sectiune Activitatea Financiara)* in which data regarding the reporting interval are given, such as: the revenue and expenses budget, the university's own revenue, the revenue and expenses of the faculties and departments, the revenue obtained from tuition fees and other activities related to education.

- *IPB.4.1.1. Revenue and expenses budget*

In the light of what has been mentioned in the preamble and taking into account the fact that the financial-accounting activity conducted by the Financial-Accounting Directorate is annually analysed by the Senate and made public (see the Rector's annual reports¹⁶², the UPT's operational

¹⁵⁹ Project aims to increase the international visibility and impact of Romanian research by publishing articles in prestigious ISI indexed journals.

¹⁶⁰ IEEE Nikola Tesla Award was established in 1975 under an agreement between the IEEE Power Engineering Society and the IEEE Board of Directors. Each year the award is given to a prominent researcher for "outstanding contribution to the generation and use of electricity".

¹⁶¹ 15.03.2015.

¹⁶² http://www.upt.ro/Informatii_rapoarte_335_ro.html - chapters on budgetary execution.



plans¹⁶³, the UPT's strategic development plan for 2012-2016¹⁶⁴, the revenue and expenses budgets¹⁶⁵) it yields that UPT has an annual revenue and expenses budget approved by the Senate which is rigorously observed, so that UPT is able to constantly pay the employees' salaries.

The student tuition fees charged by UPT are in accordance with the average costs of tuition per academic year from other state universities in Romania¹⁶⁶ and are communicated to students on the faculty notice boards and posted on the UPT's site as well. The students are informed about the possibilities for financial assistance from the institution (see for example section 2.3.5.1. *Standard SC.5.1. Resurse de învățare și servicii studentești*).

From above it yields that UPT fulfills the requirements of NIPA (*Annex 2.2.4.1. Support_Financial activity of the organisation*, point A (*Anexa 2.2.4.1. Suport_Activitatea financiara a organizatiei*)).

- *IPB.4.1.2. Accounting*

According to the previous explanations on the financial-accounting activity conducted by UPT's Financial-Accounting Directorate, the university has a good organization and functioning of its own accounting following the transparency provisions imposed by law. Besides the balance sheet, the budgetary account and the administration report annexed to the present self-evaluation report, in which it is showed that the expenses are in accordance with the legislation in force, with the collected revenues and their destination, as well as with the non-profit profile of the institution, UPT can also provide ARACIS with other documents (for example with the inventory register).

The requirements Ref.1 NIPA *Annex 2.2.4.1. Support_Financial activity of the organisation*, point B (*Anexa 2.2.4.1. Suport_Activitatea financiara a organizatiei*), are also fulfilled by UPT using 9 information applications within the Financial-Accounting Directorate (*Annex 2.1.1.2. Support_Management and administration*, point D (*Anexa 2.1.1.2. Suport_Conducere si administratie*)).

- *IPB.4.1.3. Auditing and public accountability*

The balance sheets, the budgetary account and the results of the external audit of UPT's financial statements are analysed by the Senate and are made public in the rector's annual report. UPT can also provide ARACIS with the reports of the external and internal audit on UPT's financial activity. We consider that UPT fulfills the requirement of NIPA (*Annex 2.2.4.1. Support_Financial activity of the organisation*, point C (*Anexa 2.2.4.1. Suport_Activitatea financiara a organizatiei*)).

¹⁶³ http://www.upt.ro/Informatii_planuri-operationale_60_ro.html

¹⁶⁴ [http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_stragic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf](http://www.upt.ro/administrare/dgac1/file/2012-2013/ps/Plan_strategic_UPT_2012-2016_Anexa_HS25_25_04_2013.pdf) – section on financial and material resources management

¹⁶⁵ http://www.upt.ro/administrare/dgac1/file/2013-2014/documente_fc/2014_Cont_executie_buget_institutie-VENITURI-CHELTUIELI-provizoriu.pdf ,

http://www.upt.ro/administrare/dgac1/file/2012-2013/documente_fc/2013_Cont_executie_buget_institutie-VENITURI-CHELTUIELI.pdf

¹⁶⁶ http://www.upt.ro/administrare/dgac1/file/2013-2014/HCA/HCA18_13_05_2014.pdf



2.3. Quality management

2.3.1. Strategies and procedures to ensure quality

2.3.1.1. Standard SC1.1. Quality assurance structures and policies

- *IPC.1.1.1. Organization of the quality assurance system*

In UPT there is a Committee for Evaluation and Quality Assurance (CEQA). CEQA works under the coordination of the rector based on *Rules of Procedure of the Commission for the Evaluation and Quality Assurance* of UPT approved by the Senate¹⁶⁷.

However, in UPT there is the administrative structure, General Directorate for Quality Assurance (DGQA), under the direct subordination of the UPT rector. DGQA develops procedures, takes monitoring steps and is responsible for the UPT interface with the outside, managing different pages of the UPT site. CEQA and DGQA cooperate in audits and internal evaluation of self-assessment reports of the various study programs. Both the ECQA activity and the activity of DGQA ensure the quality policy of UPT made public through documents such as: the Rector's Statement about the quality assurance Policy in UPT¹⁶⁸, *UPT objectives in quality*¹⁶⁹, *Desfășurarea politicii în domeniul Calității*. Abordări ale conducerii UPT bazate pe liniile directoare ale EUA¹⁷⁰.

The organizational structure of UPT quality management system¹⁷¹, CEQA members¹⁷², quality committee members of the faculties¹⁷³ and departments¹⁷⁴, as well as the body of internal auditors¹⁷⁵ is made public on the UPT website.

UPT announces its quality policy through the UPT site, page: [http://www.upt.ro / Management / Quality Assurance in UPT](http://www.upt.ro/Management/Quality Assurance in UPT), respectively the page: http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html.

The whole approach to quality is made with the participation of students.

DGQA and ECQA have ensured UPT involvement in EUA evaluation since 2012¹⁷⁶, and recently, participation in international valuation approach U-Multirank.

From the above it can be seen that the requirements of various NIPA levels (*Annex 2.3.1.1 Support Structures and quality assurance policies*, point A (*Anexa 2.3.1.1 Suport Structuri si politici pentru asigurarea calitatii*)) are fulfilled.

- *IPC.1.1.2. Policies and strategies to ensure quality*

¹⁶⁷ http://www.upt.ro/administrare/dgac1/file/2012-2013/hs/2013/HS_83_12-12-2013.pdf

¹⁶⁸ http://www.upt.ro/img/files/2014-2015/calitate/Declar_Rector_2014.pdf

¹⁶⁹ http://www.upt.ro/pdf/calitate/Obiective_in_domeniul_calitatii.pdf

¹⁷⁰ http://www.upt.ro/img/files/2014-2015/calitate/DesfasPoliticii_aq.pdf

¹⁷¹ http://www.upt.ro/pdf/calitate/SMC_StructuraOrganizatorica.pdf

¹⁷² http://www.upt.ro/administrare/dgac1/file/2012-2013/calitate/Membri_CEAC_UPT.pdf

¹⁷³ http://www.upt.ro/administrare/dgac1/file/2013-2014/calitate/Membri_Comisiilor_Calitatii_Facultate.pdf

¹⁷⁴ http://www.upt.ro/administrare/dgac1/file/2013-2014/calitate/Comisiile_Calitatii_Departament.pdf

¹⁷⁵ http://www.upt.ro/pdf/calitate/Registrul_Corpului_de_Auditori_Interni_UPT.pdf

¹⁷⁶ http://www.upt.ro/Informatii_evaluari-institutionale_256_ro.html



Quality assurance policies and strategies are expressed through strategic plans of UPT and UPT faculties¹⁷⁷. These correspond both to national legislation and ENQA and EUA directives. The 9 axes of UPT quality policy were specified in section 2.1.1.1. Standard SA.1.1. Mission, objectives and academic integrity. The UPT Strategic Plan states: a) strategic objectives associated with the nine axes and specific activities through which they can be achieved (p. 8-15), b) the criteria and evaluation indicators adopted (p. 15-17) and c) forecast financial resources (p. 17-18). UPT places an emphasis on continuity in its policies, for the quality assurance policy of teaching in UPT the Senate Decision of "Politehnica" University of Timisoara 2006¹⁷⁸ being valid and documents related to it¹⁷⁹.

Policy implementation is achieved by means mentioned in the Charter of the University. Besides methodologies and regulations adopted by the Senate and Board decisions and the decisions of the rector, procedures are used as a tool for implementation. Procedures, work instructions and UPT regulations cover all fields of activity. (see previous sections of this chapter - 2.1.1.1., 2.1.1.2., 2.1.2.1 etc.). In this context in the UPT the operational procedure - code UPT-PO-M-0-01 "Methodology for developing procedures and work instructions and assimilation of UPT regulations as documents of the quality management system¹⁸⁰ is applied. A number of procedures are public¹⁸¹.

Other procedures (of system) used are: Document Control Procedure, Control Procedure of Unconformity, Corrective and Preventive Actions Procedure, Recording Control Procedure and Management procedure of unclassified documents¹⁸² in UPT.

Checking fulfilment of procedures' provisions, regulations and certain provisions from the operational plans is based on the procedure of internal audit regarding quality¹⁸³, the procedure for preparation and conduct of audits¹⁸⁴, annual audit programs¹⁸⁵. Audit results are discussed in CEQA and presented to the Board, and where appropriate, to the Faculty Councils.

It can be appreciated that NIPA requirements (*Annex 2.3.1.1 Support Structures and quality assurance policies*, point B (*Anexa 2.3.1.1 Suport Structuri si politici pentru asigurarea calitatii*)) are met.

2.3.2. Procedures for initiating, monitoring and periodic review of programs and activities

2.3.2.1. Standard SC.2.1. Approval, monitoring and periodical evaluation of study programs and diplomas corresponding to qualifications.

¹⁷⁷ http://www.upt.ro/Informatii_planuri-strategice_59_ro.html

¹⁷⁸ http://www.upt.ro/img/files/hs/2006/HS_5_2006.pdf

¹⁷⁹ http://www.upt.ro/Informatii_documente-asociate-cu-privire-la-asigurarea-calitatii-educat_13_ro.html

¹⁸⁰ http://www.upt.ro/administrare/dgac1/file/2011-2012/calitate/MEPILAR_UPT_rev2-1.pdf

¹⁸¹ http://www.upt.ro/Informatii_proceduri-ale-sistemului-de-management-al-calitatii_15_ro.html

¹⁸² http://www.upt.ro/img/files/hca/2014/HCA46_07_10_2014.pdf

¹⁸³ http://www.upt.ro/pdf/PG_Audit_Intern_01.pdf

¹⁸⁴ http://www.upt.ro/pdf/PO_Audit_02.pdf

¹⁸⁵ http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html



- *IPC.2.1.1. The existence and application of regulations regarding the initiation, approval, monitoring and evaluation of programs of study*

UPT has and uses the following procedures: Procedure for initiation, approval, implementation, monitoring and periodical evaluation of programs of study, code: UPT- PO- B-0-05¹⁸⁶, and Operational procedures: Self-evaluation and internal evaluation of study programs in UPT, code: UPT- PO - B-0-06¹⁸⁷.

These, together with the *Regulation of organizing and conducting the educational process at the "bachelor" study cycle in Politehnica University Timisoara (RODPI¹⁸⁸)*, contain elements for monitoring and evaluation of the quality of teaching.

The procedures and regulations are applied in faculties. The initiation, approval and implementation of new curricula (e.g. Waste Management Engineering) are in compliance with this specific procedure.

Monitoring of study programs is a continuous activity that is carried out by various methods: analysis of learning outcomes, questionnaires filled by students on teacher performance, and internal audit activity. Periodic assessment of study programs, within or outside the institutional assessment, is made on the basis of self-evaluation reports created in accordance with the above-mentioned specific procedure. In the monitoring and evaluation of the quality of teaching are involved more people and structures of the university: the Rector, the Senate, the Board of Directors, the Vice-Rector for Academic and student issues, CEAC, DGAC, the Dean of the faculty, the Faculty Council, the Board of the domain or specialization, the quality officer at faculty level, and where appropriate, representatives of the economic environment (Board of Directors and members of the boards of specializations, who belong to the economic environment). The various activities of selection of information and assessment are carried out by the General Secretariat of the university and the university's Legal Office.

Study programs are evaluated at both internal evaluations that precede external evaluations, and annually, when the Rector presents the annual report on the status of the university, and the deans, the reports on the status of the faculties.

Of the above mentioned, one can see that NIPA (*Annex 2.3.1.2 Support_Procedures on the initiation, monitoring and periodic review of programs and activities, part A (Anexa 2.3.1.2 Suport_Proceduri privind initierea, monitorizarea si revizuirea)*) is fulfilled.

- *IPC.2.1.2. Correspondence between degrees and qualifications*

Qualifications made by UPT, and for which UPT grants degrees correspond to those of NQRHE [RNCIS]. The initiation, approval and implementation of a program of study can be done

¹⁸⁶ http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente/PO_privind_initierea_aprobarea_implementarea_monit_prog_studii.pdf

¹⁸⁷ http://www.upt.ro/img/files/2014-2015/calitate/proceduri/Site_PO_Eval_MPS.pdf

¹⁸⁸ http://www.upt.ro/administrare/dgac1/file/2011-2012/regulamente/Anexa_4_CartaUPT_RODPI_licenta_2011-2012.pdf



for existing qualifications in NRQHE, or for qualifications that are to be entered in NQRHE¹⁸⁹. The correspondence between diplomas and qualifications arises from participation of disciplines to the development of skills according to Grids 2¹⁹⁰ and from the syllabuses. The competencies are posted on the university¹⁹¹ and faculties' websites and in the syllabuses. The 14 study programs evaluated in parallel with the institutional evaluation demonstrate compliance with these specifications. In UPT, focus is cast on the clarity and timeliness of the content of courses and applied activities. The competencies from Grid 1 appear on the degree supplement.

The boards of domains and specializations periodically review the programs of study so as to improve them by comparing them with similar study programs at other universities in the country and abroad, and by adapting them to new possible occupations at national and European levels. In this process, the economic environment is also involved (see The indicator above). As stated in indicator IPB.1.2.3, UPT participation to the DOCIS project contributed to the revision of study programs and degrees by European and international comparison. Academic contacts with universities in the country and abroad also provide useful information for revisions.

The bibliography indicated in the syllabuses reflects the concern of the teaching staff to ensure compatibility of the teaching content with other universities, to ensure that the information is updated, and to make accessible bibliographic sources.

We consider that NIPA (*Annex 2.3.1.2 Support_Procedures on the initiation, monitoring and periodic review of programs and activities*, part B (*Anexa 2.3.1.2 Suport_Proceduri privind initierea, monitorizarea si revizuirea*)) is fulfilled.

2.3.3. Objective and transparent procedures for assessing the learning outcomes

2.3.3.1. Standard SC.3.1. Student evaluation

- *IPC.3.1.1. The university has rules concerning the students' examination and grading that are applied rigorously and consistently*

The students' examination and grading is regulated in UPT by the following documents:

- *Regulation concerning the organisation and development of the educational process in "Politehnica" University of Timisoara at the bachelor's degree study cycle (RODPI)¹⁹²*
- *Regulation concerning the students' examination and grading in the "Politehnica" University of Timisoara (2009)¹⁹³*
- *Specific regulation (Hotărâre BExS) concerning the way in which the results of the partial or final assessment tests are communicated to students¹⁹⁴*

¹⁸⁹ http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente/PO_privind_initierea_aprobarea_implemmentarea_monit_prog_studii.pdf

¹⁹⁰ See the symbols ® from the list given in: http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2014-2015_498_ro.html

¹⁹¹ See the symbols © from the list given in: http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2014-2015_498_ro.html

¹⁹² http://www.upt.ro/administrare/dgac1/file/2011-2012/regulamente/Anexa_4_CartaUPT_RODPI_licenta_2011-2012.pdf

¹⁹³ http://www.upt.ro/pdf/licenta&master/Regulament_UPT_examinare_notare_stud.pdf

¹⁹⁴ http://www.upt.ro/pdf/licenta&master/HBES_16_2009.pdf



- *Specific regulations on the students' right to challenge the grades taken in exams / colloquims / supporting projects (2005, BexS)*¹⁹⁵
- *Marks equivalence grid for foreign students recommended by the Ministry of Education by the Ministerial Order No. 3223/8.02.2012*¹⁹⁶.

The procedures regarding the examination arrangements, the assessment of knowledge, acquired skills and abilities, practiced in UPT include 4 types of evaluation tests involving the discipline's holder and at least one more evaluator: i) exam; ii) continuous assessment; iii) colloquim; iv) supporting project. At the defence of the bachelor's degree project the representatives of various companies, outside UPT, are often present.

The way in which the various examination arrangements are conducted is described in RODPI. This also contains the formula for calculating the final grade based on two components: the grade on the examination and the grade on the overall activity. RODPI also describes the procedure of repeating the evaluation tests and of recovering the laboratory/seminar/project meetings. Point 10 in the syllabus comprises, for each discipline: the types of activities, the evaluation criteria, the evaluation methods and the the manner in which the final grade is calculated. In addition to this, the minimum performance standard, that is the basic knowledge one has to acquire in order to pass the exam, and the manner in which the assessment is made are also presented.

The academic studies are completed with a bachelor's degree/diploma exam for the bachelor's cycle, and with the defending of a dissertation project for the master's cycle. The rules on the graduation exams, including the setting up of the commission, the listing of the examination results, and the challenging of the grades, are found in the *Regulation concerning the organisation and development of the bachelor's degree/diploma and dissertation project exams in "Politehnica" University of Timisoara*¹⁹⁷.

This presentation shows that NIPA min and Ref. 1 are fulfilled (*Annex 2.3.3.1. Support Student evaluation, point A (Anexa 2.3.3.1 Suport Evaluarea studentilor)*).

- *IPC.3.1.2. Integrating examination in designing teaching and learning activities taking into account specific courses and study programmes*

Each discipline in the curriculum is designed so that it contains both teaching and practical work activities, and individual study activities and examination.

In UPT the examination and evaluation procedures, the discipline requirements and content are announced at the beginning of each course and in the syllabi posted on the faculty website. The examination arrangements are tailored to the specific features of each programme of study and of each discipline. Point 10 in the syllabus is concerned with the evaluation of the knowledge

¹⁹⁵ http://www.upt.ro/pdf/licenta&master/2005_HBES_11.pdf

¹⁹⁶ http://www.upt.ro/administrare/dgac1/file/2013-2014/Glila_echivalare_note.pdf

¹⁹⁷ http://www.upt.ro/administrare/dgac1/file/2012-2013/hs/2013/anexe/Anexa_HS33_23_05_2013.pdf



acquired during the lectures and practical work activities. The syllabus presents the evaluation criteria, the evaluation methods, the share of the various components in the final grade and the minimum performance standard. The grade reports for each discipline explicitly contain the exact share, in the final grade, of the grade for the practical work.

Concerning the evaluation types mentioned at the previous indicator, the following aspects are noteworthy: i) Project supporting may be part of the continuous assessment for a discipline, in which case the grade on the project is a component of the final grade, or it can be a distinct discipline. ii) Colloquium means a practical work activity and only one discipline, Practice, has this form of evaluation. iii) The grade for a discipline evaluated continuously is the average between at least two test papers which mirror the acquired knowledge, skills and abilities, and the overall activity. iv) The final grade is the average between the exam and the overall activity grade. In addition, it is stipulated that a student can require, under certain circumstances, to be evaluated by another commission and not by the discipline holder.

Taking into account the importance of a discipline, the Board of a specialisation or field of activity decides whether this is evaluated in the form of an exam or continuous assessment. The maximum number of disciplines that can be evaluated in the form of an exam is 4 per semester, as it is specifically stipulated in RODPI.

The arrangements regarding the oral, written or oral and written evaluation are established by the discipline holder with the acceptance of the Board of the Faculty Council. RODPI also stipulates that "in each semester, starting with the first one, at least one exam should be evaluated orally, or in writing and orally". The evaluation combines the diagnostic evaluation with the formative and summative one which means that the students acquire general knowledge in terms of a particular academic discipline. Creative learning is stimulated by homeworks and projects, and in the academic years III and IV, by other types of independent works.

We consider that the NIPA requirements are fulfilled (*Annex 2.3.3.1. Support Student evaluation, point B (Anexa 2.3.3.1 Suport Evaluarea studentilor)*).

2.3.4. Periodic assessment procedures of the teaching staff quality

2.3.4.1. Standard SC.4.1. Quality of teaching and research staff

- *IPC.4.1.1. Ratio between the number of teaching staff and the number of students*

The issue of the ratio between the number of teaching staff and the number of students is reviewed annually by the The Board of Directors and by the UPT Senate with the approval of the list of positions. The ratio does not remain the same for all UPT specialties. When determining the ratio, several factors must be taken into account: the legal provisions, the provisions from the specific Standards of the Romanian Agency for Quality Assurance in Higher Education (ARACIS), the funding opportunities. The university also takes into account the fact that the influx of candidates for the admission to different specialties is not uniform and that there are specialties



which, despite their lower demand, are absolutely indispensable for the national and European development.

The situation of the UPT number of teaching staff was detailed in chapter 1, paragraph 1.3 and in Annex 1.3-1_Support section Teaching Staff, point B (*Anexa 1.3-1_Suport sectiune Personalul didactic*). At the beginning of the academic year 2014 – 2015, the data are as follows:

- The number of positions from all the university's list of positions: 902, from which 650 (72,06%) filled by permanent teachers, 21 (2,33%) filled by teachers with limited-duration employment contracts and 231 (25,61%) are vacant positions.

The number of positions from all the university's list of positions: 902, from which 650 (72,06%) filled by permanent teachers, 21 (2,33%) filled by teachers with limited-duration employment contracts and 231 (25,61%) are vacant positions.

- From a total number of 902 positions a number of 260 (119+149), that is to say 28,82% (13,19%+15,63%), are positions for professors and lecturers, and from 650 permanent teachers a number of 251 (110+141), that is to say 38,61%, are professors and associate professors.

The data previously mentioned are average values which include all three Bologna cycles.

- Overall, the University fulfills, both the requirement that at least 25%, but no more than 50% from the permanent teachers to be university professors and associate professors, and the requirement that the number of full-time teachers to be more than 40%.

- The university's human resource for search of the university consists, on the one hand of all the 650 permanent teachers, and on the other hand of the 480 (331+149) PhD students. As previously mentioned in Chapter1, UPT is facing a significant competition in the area against the economic environment, especially in the IT domain, which partially explains the number of vacant positions.

Observing the situation in the case of the 14 study programmes evaluated in the context of the institutionalized accreditation, results both the fact that the requirements of the specific ARACIS standards are fulfilled and the fact that, according to the decisions of the Senate and of the Board of Directors initially mentioned, there are differences between the specialties.

It is found that the NIPA (Non-Instructional Personnel and Administration) requirements for this indicator are fulfilled (*Annex 2.3.4.1 Support for Teaching and Research Staff Quality, point A (Anexa 2.3.4.1 Suport Calitatea personalului didactic si de cercetare)*).

- *IPC.4.1.2. Peer assessment*

Peer assessment is an activity that is undertaken in all departments of the university. It is performed periodically, a teacher being evaluated by its peers, once every 3 or 4 years depending on the size of the department. In UPT, there is a public peer assessment questionnaire¹⁹⁸. This form is not mandatory; it can be replaced by any other form that responds to the essence of the

¹⁹⁸Peer assessment questionnaire: http://www.upt.ro/pdf/calitate/FORMULAR_CD-A-2007.pdf



peer assessment problems (institution and academic community integration in terms of basic processes – teaching and research –, as well as the position towards the values and objectives of the UPT stipulated in the University Charter.) UPT departments are free to use modified versions depending on the specificities of the activities in a department and on the basic training of the teachers.

The organization of use of the questionnaire is established by the Faculty Councils and the Department Councils. When appropriate, the answers are analyzed by the Dean together with the Heads of Department and the head of quality assurance at the faculty level or by the Heads of Department and the head of quality assurance in a department. The peer assessment files are stored in the secretariats of the departments.

The results of the assessments are discussed with the evaluated persons and in special cases, they are brought to the attention of the Rector of the UPT. The Heads of department refer to the peer assessment in the annual report which they present in front of the members of the department.

We believe that the UPT fulfills the requirements of the NIPA indicator (*Annex 2.3.4.1 Support for Teaching and Research Staff Quality*, point B (*Anexa 2.3.4.1 Suport Calitatea personalului didactic si de cercetare*)).

- *IPC.4.1.3. Teaching staff assessment by students*

For the teaching staff assessment by the undergraduate students, it is used the Form “Questionnaire of students’ perceptions and opinions towards the teaching activities and performance”¹⁹⁹, approved by the Executive Bureau of the Senate in the previous legislation. The form refers to both the content of the training process and to the relation teacher – student in the training process. Due to the specificity of the Physical Education discipline, for this discipline it is used a dedicated form (Questionnaire of students’ perceptions and opinions towards the teaching activities and performance regarding the Physical Education discipline”²⁰⁰). In some faculties variants of the first questionnaire are being used. For the master cycle, it is used a different form²⁰¹.

The evaluation of disciplines is made quarterly, by rotation, at the rate of 2-3 disciplines per semester. The completion of the questionnaire is organized by faculties, with the competition of the departments responsible for the quality assurance and with the students’ mandatory presence, or by students’ organizations. The processing of questionnaires is carried out in accordance with a processing procedure of the evaluation²⁰² questionnaires associated with 2 report forms. According to this procedure, the results are confidential, being accessible only to the members of the evaluation committee, to the person evaluated, to the Dean and UPT Rector. The conclusions of the evaluations are used by The Departments Councils, Faculties Councils and the Board of

¹⁹⁹ http://www.upt.ro/administrare/dgac2/file/Calitate/FORMULAR_E-A4-2006_Chestionar-2.pdf, (.pdf)

²⁰⁰ http://www.upt.ro/Informatii_chestionare-de-evaluare-si-autoevaluare_18_ro.html, (.pdf)

²⁰¹ FORMULAR M-PM-2007 (.pdf)

²⁰² http://www.upt.ro/administrare/dgac1/file/2011-2012/calitate/Procedura_prelucrare_chestionare.pdf, R1(*.doc), R5(*.doc)



Directors for improving the learning process and for eliminating the non-conformities. A summary of the evaluations results shall be made public, including students²⁰³. The questionnaires are usually stored at the Dean's Offices of the faculties or of the departments.

As seen from the above the NIPA requirements are fulfilled (*Annex 2.3.4.1 Support for Teaching and Research Staff Quality*, point C (*Anexa 2.3.4.1 Suport Calitatea personalului didactic si de cercetare*)).

- *IPC.4.1.4. Evaluation by the university management*

Within UPT, the teacher assesses himself/herself on the basis of a self-assessment form²⁰⁴ and is annually assessed by the Head of the department on the basis of the self-assessment report, of a list of teaching/scientific works elaborated, of the minutes of the meetings where peer assessment was made, and of the forms reporting the results of the discipline and teacher assessment performed by the students. (see previous indicator).

The results are sent, on a centralized basis, to the management of the university. The questionnaires are stored in the departments.

The university also uses other forms depending on the contexts (for example reporting for MECTS (Ministry of Education, Research, Youth and Sports), including CNFIS (Higher Education Financing)).

The requirements Ref.1 of NIPA (*Annex 2.3.4.1 Support for Teaching and Research Staff Quality*, point D (*Anexa 2.3.4.1 Suport Calitatea personalului didactic si de cercetare*)) are fulfilled through a set of measures adopted by the UPT Senate and Board of Directors: i) The methodology of organizing competitions for filling vacant teaching and research positions²⁰⁵; ii) evaluation system for granting scores for merit gradations for the teaching staff *in the engineering fields*,²⁰⁶ iii) evaluation system for granting scores for merit gradations for the teaching staff *in non-engineering fields*, in the departments of Architecture, Mathematics, Fundamental of Physics for Engineers, Communication and Foreign Languages, Physical Education²⁰⁷.

2.3.5. Availability of learning resources

2.3.5.1. Standard SC.5.1. Learning resources and student services

- *IPC.5.1.1. Availability of learning resources*

Learning resources are outlined and synchronized with the bibliography provided for each discipline by the teaching team responsible for the discipline in question. Point 8 in the Syllabus displays the bibliographical resources for the course and seminars. The bibliography must include at least one resource authored by the teaching team and 3 relevant resources available in UPT

²⁰³ See „Assessments made” from the address: http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html

²⁰⁴ Chestionar de Autoevaluare , http://www.upt.ro/pdf/calitate/FORMULAR_CD-A-2007.pdf

²⁰⁵ http://www.upt.ro/img/files/2014-2015/concurs/Metodologie_concurs_actualizata_cf_HS_216_2014.pdf

²⁰⁶ *Annex 1, Annex 2* at HS nr.38/30.05.2013 updated through *HBS nr.2/08.05.2014* and *HS nr.146/15.05.2014*

²⁰⁷ *Annex 1, Annex 2* at HS nr.38/30.05.2013, with Annex 1 supplemented by a section 5 -*HS nr.42/06.06.2013*, updated through *HBS nr.2/08.05.2014* and *HS nr.146/15.05.2014*



library²⁰⁸. All members of the teaching staff are entitled to order new titles and have them purchased via UPT Library. UPT Board of Administration monitors and controls acquisitions of learning materials to ensure course support for UPT study programmes.

The new building of UPT Library was inaugurated in the autumn of 2014 and ranked among the top most modern European academic libraries in terms of architecture, organization and technologies. The underlying operating principles are modern, user-oriented and meet fast search needs. Other facilities enabled by UPT Library are described in *Annex 2.3.5.1 Support Learning resources and student services*, point A (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*), completing the information described in section 1.6 and *Annex 1.6-1_ Support material basis section*, point B (*Anexa 1.6-1_ Suport sectiune baza materiala*)).

The data provided by *Annex 2.3.5.1 Support Learning resources and student services*, point A (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*) and by all 14 internal evaluation reports drafted for all study programmes within the current institutional evaluation point out that UPT Library ensures, free of charge, electronic and paper-printed learning resources for each study programme. In addition to the electronic access, UPT Library facilitates subscriptions to the main specialised national and international journals for each study programme. Each student has access to the library resources. The electronic access is ensured from all computers integrated in UPT network.

Consequently, the NIPA requirements for IPC.5.1.1. are met (*Annex 2.3.5.1 Support Learning resources and student services*, point B (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*)).

- *IPC.5.1.2. Teaching as a learning source*

UPT's approach *to teaching as a learning source* is detailed in *Annex 2.3.5.1 Support Learning resources and student services*, point C (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*). The information available indicates that UPT provides opportunities for each member of the academic staff to deploy and develop updated teaching strategies for each course, in line with the specialism/study programme requirements, students' peculiarities, study cycle, learning mode, observing quality criteria pre-established by UPT via its Specialism Boards. A significant contribution in this respect is brought by the Centre for Teachers' Pedagogical Training that offers bachelor/master students and teachers psychological and pedagogical training services.

The syllabi of the 14 study programmes evaluated within the current institutional evaluation indicate that: i) the teaching methods deployed by the academic staff are diverse and oriented on action, research, intellectual work techniques, creativity-developing techniques and modern learning tools (computer, video-projector, flip chart, etc.), adequate for the targeted learning goals, content and teaching principles; ii) UPT academic staff is familiarised with the latest ICT

²⁰⁸ <http://library.upt.ro>



technologies (Internet, multimedia tools, TV, e-mail, WEB pages etc.); iii) for each study programme UPT facilitates learning support (course support, seminar support, laboratory guides, bibliography) in electronic environments (CD and DVD support, faculty websites); iv) over the last two years UPT's academic staff has been trained to innovate, develop and use new teaching methods (e.g. collaborative teaching, team-teaching, e-learning, web-based learning, blended learning) within projects provided by the Centre for Continuing Education and the E-learning Centre.

In the specific technical context of UPT, the content of all disciplines is focused on practical applications contributing, together with seminars, laboratories and project assignments, to the development of appropriate competences and skills necessary for the specialism profile.

The Boards are focused on teaching content in a logical order, ensuring progressive advancement among chapters, disciplines and study cycles. Syllabi are annually updated.

UPT appreciates that the NIPA requirements for IPC.5.1.2. (*Annex 2.3.5.1 Support Learning resources and student services*, point D (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*)) are met. With respect to the NIPA requirements Ref. 1, UPT considers that the activities developed within the Centre for Teachers' Pedagogical Training subscribe to the framework "laboratory for analysis, research and development of innovative learning/teaching strategies" from the benchmark.

- *IPC.5.1.3. Stimulation and recovery programmes*

The main student stimulation and recovery programmes implemented by UPT include:

- Knowledge gap recovery programme for mathematics for 1st year students
- Knowledge gap recovery programme for physics for 1st year students
- Student tutoring in addition to classes
- Consultations offered by all members of the academic staff²⁰⁹

The first programme covers 7 weeks of instruction in eight faculties of UPT. In the academic year 2014/2015, of 2185 tested 1st year students, 1168 students were selected to join the recovery programme, of which 776 managed to pass the final test.

The second programme is annually available in three faculties. In 2014/2015, 818 students were selected, of which 265 managed to pass the final test.

The third programme is described by the Regulations for student tutoring²¹⁰. The programme aims to support students in identifying activities that enable complex development of their capacity. (*Annex 2.3.5.1 Support Learning resources and student services*, point E (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*)).

²⁰⁹ http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2014-2015_498_ro.html, http://www.upt.ro/Informatii_programe-de-studii-de-master-2014-2015_505_ro.html.

²¹⁰ *Regulament privind îndrumarea și consilierea studenților în UPT în afara activităților didactice*: http://www.upt.ro/administrare/dgac1/file/2012-2013/regulamente_anexe_hs/Regulament_indrumare_stud_in_afara_activ_didactice_Anexa_HS26.pdf



According to the Decision 10/28.05.2012²¹¹ of the Board of Administration, students with special achievements (first, second, third prizes, etc.) in international and national professional contests are granted special one-year-grants in addition to any other entitled grants. This reward is approved by the Board of Administration following faculties' proposals.

Additionally, students with outstanding achievements are granted: i) diplomas and annual prizes within special events (e.g. academic year opening, scientific events. etc.); ii) grants for outstanding performance, merit-based grants, study grants in compliance with the Regulations for assigning grants and social assistance to bachelor and master students in UPT²¹². Students with financial problems are entitled to social grants stipulated by the previously-mentioned regulations.

Students with special achievements and financial problems are granted special grants and social assistance from UPT's own revenues, in addition to any other entitled grants, in compliance with the Decision 3/19.03.2013²¹³ of the Board of Administration regarding the Procedure for assigning special grants and social assistance.

According to the Decisions 33/01.07.2014 and 58/09.12.2014, master students with learning and research achievements are entitled to grants from UPT's own revenues, in addition to any other entitled grants.

The above-mentioned actions are constantly monitored and updated by the Board of Administration. In this respect, in every semester, an analysis is scheduled to assess the tutoring activity in order to improve it and reduce the number of 1st year students who drop out of university.

The above-mentioned information indicates that UPT meets the NIPA requirements (*Annex 2.3.5.1 Support Learning resources and student services*, point F (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*)).

- *IPC.5.1.4. Student services*

As section 1.6 points out, in Timisoara, UPT owns 16 student hostels, wholly renovated recently, equipped with internet connections, TV cable, new furniture and refrigerators in each room, kitchens and washing facilities. Additionally, both students and teachers can have lunch in 4 canteen-type restaurants in Timisoara: i) a two-level building hosting a fast food restaurant on the ground floor, and multifunctional halls at the next level, ii) a fast food restaurant on the ground floor of the student hostel MV1, iii) 2 student restaurants (at Politehnica House 1 and Politehnica House 2). The Faculty of Engineering based in Hunedoara provides students with one student hostel and one canteen. The accommodation capacity is approximately 6000 beds which means that more than 50 % of UPT students can have accommodation.

²¹¹ http://www.upt.ro/img/files/hca/2012/HCA10_28_05_2012.pdf

²¹² http://www.upt.ro/administrare/dgac1/file/2013-2014/hs/HS_143_15-05-2014.pdf

²¹³ http://www.upt.ro/img/files/hca/2013/HCA3_19_03_2013.pdf



Medical assistance is available for UPT students in a Medical Unit and a Student Hospital located in the student campus.

UPT owns two sports complexes offering students, free of charge, numerous sports facilities. The Sports Complex no.1 provides a running track, covered and open-air football grounds, a fitness room. The Sports Complex no.2 provides outdoor and indoor swimming pools, a sauna, outdoor and indoor fitness equipment, a sports hall (tennis, basketball, volleyball grounds) bitumen and tartan tennis courts, basketball grounds, football grounds, a multifunctional building.

Other facilities for students include: UPT library and subsidies for urban transport.

In the student campus, all facilities are managed by the responsive and computerised UPT's Social Service. Accommodation is offered observing UPT's Regulations regarding the functioning of the accommodation complex²¹⁴.

Students are offered information and counselling in a specialised centre called Centre for Students' Counselling and Information (CICS²¹⁵), which functions according to the Regulations stipulating the organization and functioning of the Centre for Students' Counselling and Information (ROFCICS²¹⁶). Together with other student organizations, the centre offers numerous opportunities for voluntary work and activities.

UPT considers that NIPA requirements are met (*Annex 2.3.5.1 Support Learning resources and student services*, point G (*Anexa 2.3.5.1 Suport Resurse de invatare si servicii studentesti*)).

2.3.6. Internal quality-assurance database updated systematically

2.3.6.1. Standard SC.6.1. Information systems

- *IPC.6.1.1. Databases and information bases*

The collection, processing and analysis of data and information relevant to assessing and ensuring institutional quality is achieved according to various processes, at several levels.

The first level is the management of schooling which is performed using an integrated information system, GISC, that manages study contracts, tracks record of the student evaluation results and of all students' financial obligations, it publishes various reports, it systematises data necessary to complete the Degree Supplement. UPT students can consult online their own school situation.

Registration of evaluation results is an ongoing process in all UPT faculties. The results are known at all times. UPT Rector and the dean's offices may continuously track the results of the teaching process and thereby the quality of study programs.

A second level is meant for streamlining institutional integration of students and their communication with the university administration. UPT makes available to students on the

²¹⁴ http://www.upt.ro/administrare/dgac1/file/2013-2014/hs/HS_145_15-05-2014.pdf

²¹⁵ <http://www.cics.upt.ro/>

²¹⁶ http://www.upt.ro/administration/dgac1/file/20122013/regulations/Regulations_CICS.pdf



university site the UPT student guide²¹⁷ and the Guide for prospective students of UPT from abroad, and starting with 2010 maintains the column "Who do we address?"²¹⁸ containing information about "where and to whom to address for different academic / administrative / counselling issues". The faculties, provide, in turn, useful information to students²¹⁹.

A third level is the quality assurance structures that collect data through audits and surveys containing indicators to which reference was made above.

Finally, a fourth level of data collection is the permanent consultations that the faculties and Board of Directors have with students, respectively the views expressed by students in various forums: Senate, Board of Directors, CEAC, faculty councils, quality committees, boarding committees.

The connections of the faculties with similar faculties in the country and abroad are done in different ways: institutional contacts, participation in working committees in academic forums, personal level contacts between teachers and / or researchers, participation in student competition committees or PhD committees, conference organizations, announcements posted on the websites of the university or faculties, including links to external bodies.

The continuing concern of UPT on updating databases in order to ensure internal quality as required by NIPA (*Annex 2.3.6.1 Support Information Systems (Anexa 2.3.6.1 Suport Sisteme de informatii)*) is to be noticed.

2.3.7. Transparency of public interest information on study programs and, where appropriate, on certificates, diplomas and qualifications

2.3.7.1. Standard SC.7.1. Public Information

- *IPC.7.1.1. Public information offer*

UPT and all 10 of its faculties offer – through the university website (<http://www.upt.ro/>) and the websites of its faculties²²⁰, the list of public documents²²¹, press releases, TeleUniversitatea TV station²²², press interviews and presentation documents – information and data, quantitative and / or qualitative, actual and correct, about study programs²²³, qualifications²²⁴, diplomas, teaching and research staff, facilities offered to students and other issues of interest to the public in general and students in particular. We mention that the whole Chapter 2 of this report contains numerous references to the university website and the 14 reports of specializations subject to periodic accreditation reports integrated into the institutional accreditation make reference to the websites of

²¹⁷ http://www.upt.ro/img/files/2014-2015/stud/Ghidul_studentului_2014.pdf

²¹⁸ http://www.upt.ro/Informatii_informatii-generale_315_ro.html

²¹⁹ See the example in: <http://www.ac.upt.ro/> și <http://www.et.upt.ro/>.

²²⁰ http://www.upt.ro/Upt-Timisoara_structura_150_ro.html

²²¹ http://www.upt.ro/administrare/dqac1/file/2012-2013/inf_publice/Lista_documentelor_de_interes_public_actualizata_2013.pdf

²²² <http://www.teleu.ro/>

²²³ http://www.upt.ro/Upt-Timisoara_programe-de-studii_32_ro.html

²²⁴ http://www.upt.ro/Informatii_studii-de-licenta_186_ro.html, http://www.upt.ro/Informatii_programe-de-studii-de-licenta-2014-2015_498_ro.html (See the column with the files ©)



the faculties. Information for students²²⁵, public information²²⁶, information about research²²⁷, international relations²²⁸, structural funds projects²²⁹, documents of financial interests²³⁰, all ensure transparency and posts on the university website allow identifying the date of the last update on each page, so one can follow the frequency of updates.

In the reporting period, UPT website has been reorganized twice, the last time in 2014. In the university structure²³¹ a Department of Communication and image (Office for Communication, Office for image (Graphic Design) and a Studio (TeleUniversitatea) was introduced. Information on the teaching process, vacancy competitions, financial activity, Senate decisions, strategic planning, quality assurance and more, is maintained by the Directorate General of Quality Assurance.

We consider that the information publicly offered by the university is comparable, quantitatively and qualitatively, with the information offered by universities in the European Higher Education Area, so the NIPA requirements are met (Annex 2.3.7.1 Support Public Information (*Anexa 2.3.7.1 Suport Informatie publica*)).

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

2.3.8.1. Standard SC.8.1. The institutional structure of education quality assurance complies with the legal provisions and operates permanently

- *IPC.8.1.1. The Commission coordinates the implementation of evaluation and quality assurance procedures and activities*

The Evaluation and Quality Assurance Commission (CEAC) of UPT functions on "Rules of Procedure of the Commission for the Evaluation and Quality Assurance in UPT"²³², functions in the university by coordinating a comprehensive organizational structure represented in faculties and departments²³³, performs annual audits on a schedule drawn up in accordance with the quality policy of UPT and with the UPT strategic plan²³⁴, presents an annual report to the Senate integrated into the annual report of the Rector²³⁵ and which is public, approves procedures developed by the Directorate General of Quality Assurance²³⁶. CEAC acts based on the rules of organization and conduct of the teaching process at different Bologna cycles²³⁷, which include education quality assessment activities.

²²⁵ http://www.upt.ro/Upt-Timisoara_studenti_35_ro.html

²²⁶ http://www.upt.ro/Upt-Timisoara_informatii-legislatie-personal_45_ro.html și http://www.upt.ro/Informatii_informatii-de-interes-public_202_ro.html

²²⁷ http://www.upt.ro/Upt-Timisoara_cercetare_33_ro.html

²²⁸ http://www.upt.ro/Upt-Timisoara_international_34_ro.html

²²⁹ http://www.upt.ro/Upt-Timisoara_proiecte-fonduri-structurale_210_ro.html

²³⁰ http://www.upt.ro/administrare/dgac1/file/2013-2014/documente_fc/2014_Cont_executie_buget_institutie-VENITURI-CHELTUIELI-provizoriu.pdf

²³¹ http://www.upt.ro/img/files/2013-2014/organigrame/Organigrama_UPT_2013.pdf

²³² http://www.upt.ro/administrare/dgac1/file/2012-2013/hs/2013/HS_83_12-12-2013.pdf

²³³ http://www.upt.ro/Informatii_documente-legate-de-structura-organizatorica_17_ro.html

²³⁴ http://www.upt.ro/administrare/dgac1/file/2012-2013/calitate/PROGRAM_audit_calitate_2013_CEAC.pdf

²³⁵ http://www.upt.ro/img/files/2013-2014/calitate/Raport_Asigurarea_calitatii-2013.pdf

²³⁶ http://www.upt.ro/Informatii_proceduri-ale-sistemului-de-management-al-calitatii_15_ro.html

²³⁷ http://www.upt.ro/Informatii_regulamente-upt_207_ro.html



The main documents of the CEAC are public and are posted on the UPT site²³⁸ (also see the CEAC report²³⁹). At the same time, the site mentioned also includes documents of reference at national²⁴⁰ and European levels used by CEAC.

At each internal audit²⁴¹, CEAC filed a report and corrective and improvement proposals, submitted to the Council of Administration. These were adopted by the Council.

At the same time, CEAC and DGAC are preoccupied by best practices in the field of quality and provide the academic community with a lot of information in this regard.

According to the above, the NIPA requirements are met (*Annex 2.3.8.1 Support the institutional structure of education quality assurance (Anexa 2.3.8.1 Suport Structura institutionala de asigurare a calitatii educatiei)*).

²³⁸ http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html

²³⁹ http://www.upt.ro/img/files/2013-2014/calitate/Raport_Asigurarea_calitatii-2013.pdf

²⁴⁰ http://www.upt.ro/Informatii_documente-la-nivel-national_16_ro.html

²⁴¹ Programul anual de audit intern al calității - http://www.upt.ro/Informatii_asigurarea-calitatii-in-upt_12_ro.html



Chapter 3

PRESENTATION OF THE MEASURES TO ENSURE THE ACCURACY, COMPLETENESS AND TRUST OF THE INFORMATION DISSEMINATED BY THE INSTITUTION

In our opinion, the presentation made during the first two chapters of the self-evaluation report illustrates UPT concern to deliver accurate, clear, complete and convincing information in the report, regarding the processes taking place in the university, information that is used both in the institution and open to the public. For this purpose, numerous references have been made to information found on the UPT website, information for which the university publicly assumes its responsibility, and clarifications were made containing information that was sent to MECS in different circumstances.

UPT website provides a range of other information that is not referred to in the report²⁴².

Ensuring transparency measures taken by the university in terms of teaching, research, and conditions offered to students is one of the principles of management at university, faculties' and departments' levels. All the steps taken are consistent with the law.

In addition to those presented in Chapters 1 and 2, we present in the succession of the mandatory requirements of Part III of the RAQAHE [ARACIS] guide, a number of issues falling within the perimeter of the chapter title.

3.1. Legal status

UPT has all documents proving the legal status specified in paragraph 1.1., the name and the headquarters. Both locations in Timișoara and those in Hunedoara hold regulated legal status.

All study programs offered by the university are regulated and their didactic and research missions are publicly stated on the faculties' websites. Bachelor's, Master's and Doctorate cycles are organized only in accredited fields

3.2. University Charter and regulations specified by the Charter

UPT Charter is a public document, established in accordance with legal regulations. The regulations specified in the Charter are public and can be found on the UPT website pages

Internal Regulations, Annex 22 to UPT Charter ([Anexa 22 la Carta UPT](#)) is found under the name Internal Regulation²⁴³.

Annexes to the Charter, numbers 4, 7 and 10, , contain regulations for the organization and development of undergraduate, master or doctorate studies.

Each of the regulations set out in the Charter are accompanied by other complementary regulations mentioned in Chapters 1 and 2 of the self-evaluation report.

²⁴² <http://avizier.upt.ro/>

²⁴³ http://www.upt.ro/img/files/Regulamente%20UPT/Regulament_Intern_UPT_2014.pdf



3.3. Institution management and management structures

UPT complies with the laws for the election of collective leadership (UPT Charter, Annex 23 - Regulation of organization and development of elections) and the Methodology RQAAHE on staff management. UPT Rector, Prof. Dr. Eng. Viorel-Aurel ȘERBAN was confirmed by the Order of the Ministry of Education No 3489/09.03.2012 (*Annex 3-1_ UPT Rector confirmation (Anexa 3-1_Confirmare rector UPT)*).

UPT management staff consists of tenured teachers in higher education, having the basic teaching load in UPT; they belong to the internal structure where they teach, they are full professors or associate professors and are not under conditions of job reservation.

UPT organizational chart is provided with its own personnel complying, in terms of qualifications, to the conditions required for jobs occupancy. UPT Library is staffed with highly educated personnel, including librarianship and philology personnel. (*Annex 3-2_UPT Library Personnel (Anexa 3-2_Personalul Bibliotecii UPT)*).

3.4. Teaching staff

UPT meets the legal requirements for publishing and occupying the teaching positions²⁴⁴, the positions are covered with own personnel, which corresponds in terms of qualifications and competences to the job occupancy conditions. The criteria used for evaluating the teaching staff in order to promote, comply with the requirements of MECS The contests for teaching positions in the university is regulated and vacancies are made public on the UPT website. Distribution of tenured teaching staff in UPT, by age, was presented in Section 1.3. Teaching Staff and *Annex 1.3-1_Support section Teaching Staff (Anexa 1.3-1_Suport sectiune Personalul didactic)*. We consider that in terms of the age, the structure of the UPT teaching staff meets a satisfactory situation from a human resource perspective.

The Board of Directors and the Senate Committee on Human Resources of UPT pursue the requirement that the UPT teaching staff meets the legal requirements for teaching positions and gradations of merit²⁴⁵, using as tools and instruments:

- Self-evaluation of performance, verified by the departments' and faculties' management; performance is always correlated with assessments of students and peer review. In the second case, a questionnaire prepared by the CEAC or by the own department is used;
- Personal statements concerning compliance by tenured teaching staff in UPT with the condition to cover in one academic year at most three teaching loads, regardless of the higher education institution in which they operate; also, compliance of the UPT tenured teaching staff, retired at age limit or for other reasons, and which operates as associate teaching staff, with the condition to cover at most one teaching load in UPT;

²⁴⁴ http://www.upt.ro/Informatii_alegeri-si-concursuri_366_ro.html

²⁴⁵ http://www.upt.ro/Informatii_alegeri-si-concursuri_366_ro.html



- Personal files drawn up at the beginning of the semester by associate teaching staff, not tenured in UPT, on legal compliance for jobs;
- Approvals of the UPT Senate for UPT teaching staff which provide teaching activities, by association, in other higher education institutions;
- Introduction, as a condition of eligibility for competition cases, of the requirement to hold a PhD degree, and of the requirement of hold competencies in the fields of the subjects taught
- Introduction, as a condition of eligibility for competition cases for the posts of university assistant, of the requirement to hold teacher training certificates.

To ensure the quality of the teaching process, Faculty Councils closely follow that the disciplines are covered with teaching materials and papers, including those written by course holders and their assistants, needed for the entire educational process marked by all the syllabuses, that the courses are provided with material resources.

The way in which the teaching positions are covered (basic teaching loads, tenures, associate teaching staff, academic degrees, etc.) was discussed in detail in Section 2.3.4.1. *Standard SC.4.1. The quality of teaching and research (2.3.4.1. Standard SC.4.1. Calitatea personalului didactic și de cercetare)*. In the study programs, there are differences from the specified average values.

3.5. Material basis

According to information in Chapter 1 of this report, the consolidation of the UPT infrastructure was one of the priorities of UPT top management. Alongside the completion of investments, the consolidation included a rigorous management of the university heritage, including the heritage dedicated to the development of a quality process of education according to curricula and number of students. The application "Evidence of locations managed by entities and of facilities in such spaces" is used (see example 1.2.1 in Annex 2.1.2.1. *Support_Heritage, equipment, financial resources allocated*, letter A (*Anexa 2.1.2.1. Suport_Patrimoniu, dotare, resurse financiare alocate, punctul A*)). The application provides all the data concerning the *spaces managed by the entity / part of the building on different levels / storeys*, and at the same time *the spaces managed by the entity as a whole*, the area belonging to each building, the total area belonging to the university, library related spaces, and spaces leased to others and from others, and the number and surface of all rooms/halls used for classes, seminars, laboratories and workshops, and allows to track the number of places/seats in all UPT areas, including those in classrooms, seminars, laboratories and projects, and their correlation with the size of the study groups (series, groups, subgroups etc.), tracing the distribution of computing equipment in teaching (and research) laboratories.

The data presented in Section 1.6. *The material basis* is all official data, proven by documents of the UPT General Administrative Directorate.



Computers and computer networks are present in laboratories, classrooms, offices. In teaching, they are used for computer-aided design, and also for experimental data processing, conducting simulations, preparation of reports, presentations, etc. At the level of study groups, there is one computer for 2 students at most at bachelor level, and one computer for each student masters and doctorate levels. All computers purchased are accompanied by appropriate licenses that allow their use for different study subjects in the curriculum.

Due to the modern amenities and multiple values that characterize the UPT Library, it was given special importance in this report (Section 1.6 - Material basis, Annex 1.6-1_ *Support material basis section*, point B (*Anexa 1.6-1_Suport sectiune baza materiala, punctul B*), Chapter 2: *IPA.2.1. 1. Facilities for teaching, research and other activities (Spații de învățământ, cercetare și pentru alte activități)*, *IPC.5.1.1. Availability of learning resources (Disponibilitatea resurselor de învățare)*). The library meets the required RQAAHE standards. It also provides access to specialized databases and to full-text online journals

At the same time, the university has its own publishing house, accredited by CNCSIS / NURC, Editura Politehnica / Politehnica Publishing House, and a copy-center equipped with digital printing and computers. In addition to the UPT Bulletins, Politehnica Publishing House published numerous didactic titles in recent years, 16 continuous series of PhD theses (the theses approved by doctoral committees are published as books with ISBN and ISSN) and specialised books (Section 1.6 – Material base).

As stated in the previous chapters, consolidating the laboratories has been priority by the UPT top management, most laboratories being very well-equipped. The entire equipment corresponds to inventory documents. In the future, increasing the growth rate of computers' renewal is a priority of UPT.

3.6. Financial Activity

Financial and accounting activities of UPT are made by qualified personnel; the chief accountant holds higher-education economic degrees. (*Annex 3-3_Financing and accounting departments' staff (Anexa 3-3_Personalul compartimentelor financiar-contabile)*).

UPT is a public institution with legal personality, having its own income and expenditure budget, fiscal code (4269282) and own accounts both in treasury and in commercial banks.

UPT is a non-profit institution, has its own financial-accounting department and prepares balance sheets (Chapter 2: *IPB.4.1.2. Accounting (Contabilitate)* and *IPB.4.1.3. Auditing and public accountability (Auditare și răspundere publică)*) and its own budgetary execution account, from which it results that the expenditure is in line with the current legislation, and that the income is shown on source and destination.



Tuition fees for paying-students are calculated according to the average tuition per academic year and are communicated to students by each faculty's notice board and on the university website. The UPT website also specifies the accommodation fees.

Students are informed about the possibilities for financial assistance (grants, welfare subscriptions for urban transport, support for external accommodation of students) by each faculty's notice board and UPT website, and about the use the revenues from tuition fees by publication of the balance sheet and its annexes on the UPT website or through UPT student representatives on the Administration Board (Board of Directors) and the University Senate.

UPT is annually audited and subject to financial management control by the governing bodies of the Court of Auditors, and the control results are necessarily subject to debate in the Administration Board or in the University Senate

3.7. Students

As discussed in Chapter 2, student recruitment is done by own admission procedures and registration to the admission is made only on the basis of a baccalaureate degree or other equivalent documents recognized by MECS. The relationship between the university and students is formalized through study contracts²⁴⁶ and the Code of students' rights and obligations²⁴⁷.

The transfer of students between higher education institutions, faculties and specializations follows the legal provisions, is internally regulated at bachelor and master cycles, and were performed only according to the law.

The results obtained by students during the schooling period are recorded in the transcript of records; UPT issues to all graduates a Diploma Supplement. Procedures for awarding of diplomas or certificates of completion are in accordance with the conditions laid down by law, a series of information being posted on the websites of the faculties.

Living and study conditions of the students are always in the attention of the university top management. According to the current regulations, the university grants students four types of scholarships: social, study, merit and excellence scholarships. The large number of students having accommodation is managed by the UPT Social Service using regulations dedicated to the organization of life and activities in the dormitories. Students enjoy full academic rights, are informed of all the stages of the education process (the section "Whom do we address in the university for various problems?") and of all the conditions offered by the university.

In UPT students are properly represented in all governing and control bodies of the university and faculties; the minimum percentage of 25% of the total membership of these bodies is respected.

²⁴⁶ http://www.upt.ro/img/files/2014-2015/Contract_de_studii_2014.pdf

²⁴⁷ http://www.upt.ro/administrare/dgac1/file/2012-2013/studenti/HS_38_Codul-drepturilor-si-obligatiilor-studentului-din-UPT2.pdf



3.8. Research activity

According to the UPT Charter, one of the components of UPT mission is research. It is found in the strategic plans of the university, faculties and independent departments. In Chapter 1 it was stated that in 2011 UPT has been nationally recognized as one of the 11 universities of advanced research and education in Romania. A very rich information about the research activity, actions and results is available on the university website²⁴⁸.

In Chapter 1, Chapter 2 (Section 2.2.3. Scientific research / 2.2.3. *Activitatea de cercetare științifică*) and in the annexes of this report, UPT research policy has been detailed, including the value of research and its stimulation by the university. The research topics are included in research plans belonging to scientific areas related to bachelor or master fields, and the research component of the university mission is associated with all study programs.

UPT research strategy has been shown (general objectives and scope) and the fact that it clearly reflects the strategic plan of UPT.

UPT has been constantly concerned about the results of research activities carried out by the research and teaching staff through publications in specialised journals at relevant publishing houses in Romania or abroad, scientific presentations at conferences, symposia, seminars in the country and / or abroad, contracts, expertise, consultancy etc. based on contracts or agreements signed with partners in the country and / or abroad, with evaluation certified by specialty commissions etc. At all times the university hosts scientific sessions, symposiums, conferences²⁴⁹, round tables, regular meetings with teachers, researchers and graduates, and the scientific articles are published in visible publications.

The current report has 94 pages:

1 p. Cover +

1 p. Editorial Board +

3 pp. Table of Contents +

1 p. Annex List +

86 pp. the report itself from which 13 pp. about the stage of completion of the recommendations EUA (2012) și ARACIS (2009).

²⁴⁸ http://www.upt.ro/Upt-Timisoara_cercetare_33_ro.html

²⁴⁹ http://www.upt.ro/Informatii_manifestari-stiintifice_166_ro.html