



HOTĂRÂRE

privind validarea rezultatelor procedurilor de evaluare externă a calității educației

Având în vedere prevederile generale și specifice aferente proceselor sau procedurilor privind:

- **evaluarea externă a calității și validarea rezultatelor cuprinse în Rapoartele de evaluare externă:** art. 223-226, art. 229-230 și art. 249 alin. (1) lit. f), g) și h) din Legea nr. 199/2023 a învățământului superior nr. 199/2023, cu modificările și completările ulterioare, denumită în continuare Legea, precum și în Metodologia de evaluare externă a calității educației în învățământul superior, aprobată prin Hotărârea Guvernului nr. 962/2024, cu modificările și completările ulterioare, denumită în continuare Metodologia;
- **autorizarea de funcționare provizorie pentru programele de studii universitare din ciclul I de licență:** art. 235 alin. (1) lit. a) și lit. b) pct. (ii), alin. (2)-(5) și art. 236 alin. (1)-(2) din Lege; art. 27, art. 29 și art. 32-33, coroborate cu art. 59, art. 62 și art. 63 din Metodologie;
- **autorizarea pentru domeniile de studii universitare din ciclul II de masterat:** art. 235 alin. (1) lit. a) și lit. b) pct. (iii), alin. (2)-(5) și art. 236 alin. (1)-(2) din Lege; art. 27-29 și art. 34-35, coroborate cu art. 59, art. 62 și art. 63 din Metodologie;
- **autorizarea pentru domeniile de studii universitare din ciclul III de doctorat:** art. 235 alin. (1) lit. b) pct. (iv), alin. (2)-(5) și art. 236 alin. (1) și (3) din Lege; art. 27-29 și art. 37-38, coroborate cu art. 59, art. 62 și art. 63 din Metodologie;
- **acreditarea pentru programele de studii universitare din ciclul I de licență:** art. 239 alin. (1) lit. b) și alin. (6)-(7), art. 240 alin. (1) din Lege; art. 39-40 și art. 42, coroborate cu art. 60, art. 62 și art. 63 din Metodologie;
- **acreditarea pentru domeniile de studii universitare din ciclul II de masterat:** art. 239 alin. (3) și alin. (6)-(7), art. 240 alin. (1) din Lege; art. 39-40 și art. 43-44, coroborate cu art. 60, art. 62 și art. 63 din Metodologie;
- **acreditarea pentru domeniile de studii universitare din ciclul III de doctorat:** art. 239 alin. (4) și alin. (6)-(7), art. 240 alin. (2) din Lege; art. 39-40 și art. 46-47, coroborate cu art. 60, art. 62 și art. 63 din Metodologie;
- **analiza și validarea în vederea verificării respectării Metodologiei, de către comisiile de experți evaluatori în cadrul rapoartelor de evaluare externă:** art. 235 alin. (4), pentru autorizare, respectiv art. 239 alin. (6) lit. d), pentru acreditare și menținerea acreditării, din Lege, precum și art. 62-63 din Metodologie.

Luând în considerare:

a. Ghidul aplicabil programelor de studii universitare de licență, aprobat prin Hotărârea Consiliului ARACIS nr. 42/06.02.2025, cu modificările și completările ulterioare;



b. Ghidul aplicabil domeniilor de studii universitare de masterat, aprobat prin Hotărârea Consiliului ARACIS nr. 83/03.04.2025;

c. Ghidul aplicabil domeniilor de studii universitare de doctorat, aprobat prin Hotărârea Consiliului ARACIS nr. 84/03.04.2025;

Întrucât Consiliul ARACIS validează, prin vot deschis și pe baza verificării respectării Metodologiei, propunerile formulate de către comisiile de experți evaluatori și poate solicita refacerea Rapoartelor de evaluare externă atunci când constată că Metodologia nu a fost respectată ori respectivele rapoarte nu cuprind suficiente date și dovezi pentru adoptarea deciziei,

Ținând seama de considerentele Consiliului aferente validării rezultatelor individualizate în procesele verbale de ședință, al căror format a fost aprobat prin Hotărârea Consiliului nr. 170/H/03.07.2025,

În temeiul art. 258 alin. (1) din Lege și al art. 62 alin. (1) și (2) din Metodologie, precum și al art. 7 alin. (1) și alin. (3) lit. b) și h), art. 11 alin. (1) și al art. 23 alin. (5) din Regulamentul de organizare și funcționare al ARACIS, aprobat prin Hotărârea Consiliului ARACIS nr. 188/H/27.06.2024 și completat prin Hotărârea nr. 116/H/02.04.2026,

Consiliul Agenției Române de Asigurare a Calității în Învățământul Superior HOTĂRĂȘTE:

Art. 1. (1) Se validează rezultatele procedurilor de evaluare externă a calității educației pentru programele de studii universitare de licență, domeniile de studii universitare de masterat și domeniile de studii universitare de doctorat, după caz, cuprinse în anexele 1-16, care fac parte integrantă din prezenta hotărâre.

(2) Pentru fiecare dintre programele sau domeniile de studii universitare, anexa corespunzătoare indică, conform art. 230 alin. (2) și alin. (3) lit. b), c) și d), art. 231 lit. a) și b), art. 232 lit. c), d) și e), art. 235 alin. (1) lit. b), punctele ii-iv, alin. (3)-(5), art. 239 alin. (1) lit. b), alin. (3), (4), (6) lit. a)-d) din Lege, procesul sau procedura de evaluare parcursă, rezultatele din Raportul de evaluare externă care se validează, precum și considerentele analizei de validitate și concluzia motivată a Consiliului.

(3) Rezultatele prevăzute la alin. (1) se comunică Ministerului Educației și Cercetării și instituțiilor solicitante și se publică pe site-ul ARACIS.

Art. 2. Analiza de validitate se exercită în limitele art. 235 alin. (4), respectiv ale art. 239 alin. (6) lit. d) din Lege și ale art. 62 raportat la art. 63 din Metodologie.

Art. 3. Rapoartele de evaluare externă, inclusiv numele experților, se publică integral pe site-ul ARACIS, în condițiile art. 229 alin. (2) din Lege și ale art. 62 alin. (3) din Metodologie.



Art. 4. Prezenta hotărâre intră în vigoare la data de 27.08.2026.

Art. 5. Prezenta hotărâre va fi dusă la îndeplinire de Direcția Asigurarea Calității și de Compartimentul Tehnologia Informației.

Prof. univ. dr. ing. Cristian-Vasile DOICIN
Președinte

Daniela Cristina GHIȚULICĂ
Director general

Carmen MIRIAN
Director Direcția Asigurarea Calității

Cristina-Vasilica ICOCIU
Director Direcția Juridică, Cooperare, Comunicare și Formare
Consilier juridic

NR. 260/H/27.08.2026

**AGENȚIA ROMÂNĂ DE ASIGURARE A CALITĂȚII ÎN ÎNVĂȚĂMÂNTUL SUPERIOR**

Membră în Asociația Europeană pentru Asigurarea Calității în Învățământul Superior - ENQA

Înscrișă în Registrul European pentru Asigurarea Calității în Învățământul Superior - EQAR

ANEXA NR. 11

la Hotărârea Consiliului ARACIS nr. 260/H/27.08.2026

Anexa 11.1

DATE DE IDENTIFICARE		
Instituția de învățământ superior/organizația furnizoare de educație	Universitatea din Oradea	
Școala(ile) doctorală(e)	Științe Inginerești	
Domeniul de studii universitare de doctorat (DSUD)	Inginerie și management	
Procedura/procesul de evaluare externă a calității educației	Menținerea acreditării	
DECIZIA		
Descrierea pe scurt a procesului de luare a deciziei		
Raportul de evaluare externă (REE) a fost analizat în ședința Comisiei permanente de specialitate Științe Inginerești 1 (CPS_C10) din 14.08.2026, propunerea de decizie fiind consemnată în PV nr. 4347/14.08.2026. Propunerea de decizie a fost analizată de către Departamentul de evaluare Studii Universitare (DESU), opinia DESU fiind consemnată în PV nr.4487/27.08.2026		
Gradul de îndeplinire a standardelor și indicatorilor de performanță și motivarea deciziei (se indică cifrele care stau la baza luării deciziei Consiliului ARACIS)		
Domeniul	Standarde Î / N	Indicatori de performanță Î / PÎ / N
A	Î: S.A.1.1, S.A.1.2., S.A.2.1., S.A.2.2., S.A.3.1., S.A.3.2., S.A.4.1. N: -	Î: I.P.A.1.1.1, I.P.A.1.2.1, I.P.A.2.1.1, I.P.A.2.2.1, I.P.A.3.1.1, I.P.A.3.1.2, I.P.A.3.2.1, I.P.A.4.1.1 PÎ: - N: -
B	Î: S.B.1.1., S.B.2.1., S.B.3.1., S.B.3.2., S.B.4.1., S.B.5.1., S.B.7.1., S.B.7.2., S.B.8.1., S.B.9.1., S.B.9.2. N: -	Î: I.P.B.1.1.1., I.P.B.2.1.2, I.P.B.3.1.1, I.P.B.3.1.2, I.P.B.3.2.1, I.P.B.4.1.1., I.P.B.5.1.1, I.P.B.5.1.2, I.P.B.7.1.1, I.P.B.7.1.2, I.P.B.7.2.1, I.P.B.8.1.1, I.P.B.9.1.1, I.P.B.9.2.1 PÎ: - N: -
C	Î: S.C.1.1, S.C.1.2, S.C.2.2., S.C.3.1, S.C.4.1., S.C.5.1., S.C.6.1., S.C.8.1 N: -	Î: I.P.C.1.1.1, I.P.C.1.2.1, I.P.C.2.2.2, I.P.C.3.1.1, I.P.C.3.1.2, I.P.C.4.1.1., I.P.C.5.1.1, I.P.C.6.1.1, I.P.C.6.1.2, I.P.C.8.1.1 PÎ: - N: -

**Motivarea deciziei**

Consiliul ARACIS în ședința din 27.08.2026 analizează și validează propunerea comisiei de experți în evaluarea externă a calității, constatând că din:

- 32 indicatori: 32 sunt îndepliniți, 0 parțial îndepliniți și 0 neîndepliniți
- 26 standarde: 26 sunt îndeplinite, 0 neîndeplinite

*și, astfel, prin aplicarea art. 63 din Metodologie decide că **standardele sunt ÎNDEPLINITE.***

Decizia

Menținerea acreditării

The Romanian Agency for Quality Assurance in Higher Education



External Evaluation Report (REE) for the procedure for obtaining a maintaining accreditation (MAC) of Doctoral Study Domain

Higher Education Institution/Education Provider Organization:	University of Oradea
Doctoral School:	Doctoral School of Engineering Sciences
Doctoral Domain:	Engineering & Management
The objective of the external evaluation:	Maintaining accreditation (MAC)



Members of the ARACIS Evaluation Panel

No.	Last Name and First Name	Team role	Signature
1.	DUMITRASCU DANUT-DUMITRU	Expert evaluator	
2.	CAZACU VITALIE	International Expert	
3.	CIOBANU TAMARA	PhD Student Evaluator	

I. Introduction

This External Evaluation Report was prepared on the occasion of the periodic external evaluation visit aimed at maintaining the accreditation of the Doctoral Study Programme in Engineering and Management, organized by the Doctoral School of Engineering Sciences within the University of Oradea. The evaluation visit took place on 13–14 July 2026. The composition of the external evaluation panel was as follows:

- Prof. Dr. Dănuț Dumitru Dumitrașcu – Panel Chair;
- Prof. Dr. Vitalie Cazacu – International Expert;
- Tamara Ciobanu, PhD Student Evaluator.

[The University of Oradea \(UO\)](#) has an academic tradition dating back to 1780, while its modern form originates from the Pedagogical Institute established in 1963. In 1990, by [Decision of the Romanian Government](#) the Technical University of Oradea was founded and, since 1991, has operated under the name University of Oradea. Over time, the institution has continuously developed through the expansion of its academic fields, alignment with European higher education standards, and consolidation of its research activities, becoming an important academic centre with regional, national, and international impact. In recent years, the University of Oradea has strengthened its international visibility through its presence in [International rankings](#), reflecting its institutional performance in education, research, and sustainable development.

The University of Oradea operates in accordance with national legislation and the principles of the European Higher Education Area, based on [The Charter of the University of Oradea](#) and internal regulations [internal regulations](#) governing academic, research, and administrative activities. The University of Oradea pursues a mission of education, research, innovation, and knowledge transfer to society, contributing to economic and social development at regional, national, and international levels. Its institutional development is guided by the [Strategic Plan 2025-20230](#), which promotes academic excellence, research, innovation, internationalization, and sustainability, in line with the Sustainable Development Goals. The University has a governance and management system based on the University Charter and internal regulations, in accordance with the provisions of Higher Education Law No. 199/2023. Its governing structures, namely the [University Senate](#) and the Administrative Council, ensure the strategic and operational coordination of the institution, with student representatives actively participating in the decision-making process. Academic, research, and administrative activities are supported by an organizational structure comprising faculties, departments, centres, and support services, operating on the principles of university autonomy, transparency, and quality assurance.

The Doctoral Studies University Institution (IOSUD) of the University of Oradea is accredited to organize doctoral studies in 25 doctoral fields, one of which is currently being phased out. Within IOSUD, seven [Doctoral Schools](#) operate under the faculties and manage these doctoral fields. The doctoral field Engineering and Management is organized within the Doctoral School of Engineering Sciences. The doctoral field Engineering and Management was established in 2016 (Order of the Minister of National Education and Scientific Research No. 4939/2016). Currently, four doctoral supervisors are affiliated with the Engineering and Management doctoral field within the Doctoral School of Engineering Sciences. Information regarding the organization of doctoral activities, curriculum, doctoral supervisors, and specialists involved in the field is available on the doctoral school's website. In the academic year 2025–2026, a total of 11 doctoral students are enrolled in the Engineering and Management doctoral field. Furthermore, between 2021 and the present, six doctoral candidates have publicly defended their doctoral theses, and all six have been awarded the scientific title of Doctor in Engineering and Management, confirmed by Ministerial Order.

The establishment of the Engineering and Management doctoral domain was driven by the increasing need for specialists capable of addressing the challenges of modern industry and the knowledge-based economy through advanced research in engineering, management, technological innovation, sustainability, and process optimization. The domain supports the development of highly qualified researchers and professionals able to combine engineering expertise with contemporary management approaches, responding to the evolving requirements of the economic and technological environment. Since the previous

external quality assessment, the Engineering and Management domain has further strengthened its academic and research capacity through the consolidation of its doctoral supervisory team, the expansion and diversification of research topics, and the alignment of the doctoral programme with recent legislative developments, including the provisions of Higher Education Law No. 199/2023 and the associated regulations governing doctoral studies.

II. Methods used

The external evaluation process was carried out using a range of methods and instruments applied both prior to and during the site visit, including:

- Review of the Internal Evaluation Report (IER) prepared for the assessed doctoral study programme and examination of its supporting annexes;
- Review of additional documents and annexes requested by the evaluation panel and submitted electronically by the institution;
- Examination of documentary evidence and materials provided in hard copy by the representatives of the University of Oradea during the evaluation visit;
- Analysis of relevant information, documents, and data available on the official website of the University of Oradea.

Following the discussions held with the contact person, the REI was supplemented with the following additional annexes:

- An example of the training programme and learning outcomes based on advanced university studies.
- Information on the percentage of doctoral students who defend their doctoral thesis within 4 years, 5 years, 6 years, and after more than 6 years.
- Information on the dropout rate of doctoral students, including those who voluntarily withdraw from their studies, at 3 and 4 years after admission.
- Examples of a doctoral thesis abstract, a similarity report, and a doctoral thesis.
- Information on doctoral students participating in international cooperation activities and mobility programmes.

As part of the evaluation visit, the ARACIS expert panel conducted inspections of the following facilities: Teaching and learning facilities of the University of Oradea, including lecture halls, seminar rooms, specialized laboratories, and other educational spaces;

- CTT – UO – Industry 4.0 Laboratory; Technical Systems Maintenance Laboratory (T011); CTT – UO – Manufacturing Laboratory; SMARTMAT Nanoscience Research Platform (V2); Interdisciplinary Research Infrastructure in Robotics (IRIROB Lab) (T001); Integrated Sensors and Biosensors Laboratory (ISBL) (V2); CTT – UO – Automation and Robotics Laboratory; Innovation Laboratory; Intelbuild Laboratory; Productics Laboratory, E-commerce Laboratory.
- Administrative and support facilities, such as the secretariat, library, and related services.

During the visit, the ARACIS expert panel held meetings and discussions with the following categories of stakeholders:

- Members of the team responsible for preparing the periodic accreditation evaluation documentation;
- Academic staff involved in the delivery and development of the evaluated study programme;
- Doctoral students enrolled in the assessed doctoral field;
- Representatives of the institutional quality assurance structures;
- Members of the university ethics committee;
- Graduates of the evaluated doctoral programme;
- Employers and representatives of the socio-economic environment who collaborate with or recruit graduates of the programme.

III. Judgement on the extent to which the standards and performance indicators are fulfilled

DOMAIN A. Institutional capacity

Criterion A.1. Managerial and administrative structures and processes involving students and other stakeholders

Standard S.A.1.1. Organisational components and institutional processes

The HEI has organisational components in its structure, which function based on adequate competences, responsibilities, processes, and implementation procedures, and ensure an effective management system.

Indicator I.P.A.1.1.1	For delivering the study programme/domain, the HEI has adequate organisational components and an adequate management system, which operate based on methodologies, regulations and procedures that are periodically reviewed as required by law.
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✓ Presentation of the state of affairs

The University of Oradea operates in accordance with the applicable legal provisions, based on [The Charter of the University of Oradea](#), [Internal regulations](#), [Code of Ethics and University Deontology](#) and institutional procedures that are periodically updated and govern the management of human, financial, and material resources. According to the documents reviewed ([Regulatory](#)), the management system is well defined and founded on clear organizational structures, including the University Senate, the Administrative Council, as well as the management bodies at the faculty, department, and administrative unit levels. Each of these structures has specific responsibilities in the decision-making and administrative processes, contributing to the efficient functioning of the institution.

At the level of IOSUD, the organization and implementation of doctoral studies are regulated by the Institutional Regulation on Doctoral University Studies, [Institutional Regulation on Doctoral University Studies](#) which establishes the objectives, organizational structures, responsibilities, and procedures governing doctoral programmes. The activity of IOSUD is supported by a coherent management system based on regulations, methodologies, and procedures that comply with the national legislative framework and are periodically updated. Relevant documents include:

- [the Regulation on the Organization and Conduct of Doctoral University Studies](#),
- [the Methodology for the Election and Appointment of Members of the Doctoral School Council and its Director](#),
- [Methodology for the Organization and Conduct of the Admission Competition for Doctoral Studies](#),
- [the Regulation on the Organization and Conduct of the Procedure for Obtaining the Habilitation Certificate](#),
- [the Regulation on Granting and Revoking Membership Status within the Doctoral Schools of IOSUD-UO](#) etc.

✓ Analysis of the current situation

During the on-site visit, the evaluation panel confirmed that the factual situation presented in the reviewed documentation corresponds to reality, including the existence and effective implementation of the institutional mechanisms described therein

The indicator is: fulfilled

Standard S.A.1.2. Stakeholder engagement

The HEI proves that it engages the relevant stakeholders in developing methodologies and regulations, as well as implementation procedures.

Indicator I.P.A.1.2.1	The opinions of the faculty and department members, of the subsidiary or extension* and of other stakeholders are considered in the process of adopting and revising methodologies, regulations and implementation procedures.
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✓ **Presentation of the state of affairs**

The involvement of the academic community in decision-making and institutional improvement processes is ensured through consultation and representation mechanisms within the main governance and academic management structures. Students are represented in the Doctoral Studies Council [CSUD](#), the Council of the Doctoral School of Engineering Sciences [Council of the Doctoral School of Engineering Sciences](#), [the University Senate](#), Faculty Councils, [the Council of Administration](#), as well as in various committees and advisory bodies. In addition, the university regularly organizes meetings and consultation sessions ([Quizzes and surveys](#)) with students, academic staff, and administrative personnel for the purpose of reviewing and updating academic and administrative regulations and procedures.

✓ **Analysis of the current situation**

The university also maintains collaborative relationships with employers and representatives of the socio-economic environment, who are regularly consulted to ensure the alignment and continuous updating of the educational offer with labour market requirements and developments in relevant professional fields. Through these practices, the institution promotes transparency in decision-making, stakeholder participation, and the continuous enhancement of the quality of its academic and administrative activities.

- ✓ **Recommendation:** Improve the documentation of meetings, including those with employers, by preparing meeting minutes to ensure the traceability of consultations and the decisions adopted.

The indicator is: fulfilled

Criterion A.2. The material resources and optimisation of the use of the material resources

Standard S.A.2.1. Material resources

The HEI owns adequate movable and immovable assets to enable it to carry out the study programme/domain.

Indicator I.P.A.2.1.1	The HEI legally owns venues for the related education, research and administrative processes, as well as for services for students, doctoral students and trainees, thus providing an enabling environment for living and studying, including for disabled persons. Optimal venues are also provided for activities of the staff. Such venues are adequately equipped.
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✓ **Presentation of the state of affairs**

The University of Oradea benefits from a comprehensive and diversified infrastructure that adequately supports educational, research, administrative, and student support activities. The university's physical infrastructure comprises 45 buildings dedicated to teaching and learning activities, including lecture halls, auditoriums, classrooms, seminar rooms, modern laboratories, and specialized workshops. A summary of these facilities is presented in Table III.1.1 of the Internal Evaluation Report (IER).

[The university library](#) holds a substantial collection of academic resources and provides access to numerous scientific databases and specialized electronic resources that support study and research activities ([access to subscribed online publications](#)). Students also benefit from a modern sports infrastructure consisting of seven sports halls and ten sports fields.

Regarding [accommodation facilities](#) the university provides 1,835 places in existing student dormitories, supplemented by approximately 800 additional places in newly constructed dormitories. The university infrastructure is further complemented by social facilities, student support spaces, and research centres. Another example of good practice is the [SMART CAMPUS](#) project.

✓ **Analysis of the current situation**

* The faculty, department, subsidiary, extension - hereinafter "organisational components"

Within the faculties responsible for bachelor's and master's degree programmes corresponding to the accredited doctoral fields organized by the Doctoral School of Engineering Sciences, there are research laboratories registered on the ERRIS platform and/or research laboratories internally accredited at the IOSUD-UO level. A detailed list of these laboratories is provided in Table III.1.2 of the Internal Evaluation Report.

The indicator is: fulfilled

Standard S.A.2.2. Management of material resources

The organisational components manage the movable and immovable assets used for the evaluated study programme/domain in an optimal, sustainable manner.

Indicator I.P.A.2.2.1	The movable and immovable assets are properly maintained to ensure optimal conditions for studying, living and research, as well as for work.
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✓ Presentation of the state of affairs

The movable and immovable assets used for teaching and research activities within IOSUD-UO are maintained in accordance with the internal regulations and procedures of the University of Oradea. The University of Oradea ensures the continuous maintenance and modernization of its physical infrastructure and equipment in order to support teaching, research, and student services under optimal conditions. To this end, the institution implements annual [programmes for the refurbishment](#) of educational and administrative facilities, continuously upgrades laboratories with modern equipment specific to each field of study, and develops its digital infrastructure through the DigitalUO project, funded under the National Recovery and Resilience Plan (PNRR).

✓ Analysis of the current situation

The evaluation team's findings indicate that these initiatives contribute to enhancing the quality, accessibility, and efficiency of university processes, as well as the focus on expanding the infrastructure for students with disabilities, by creating additional facilities to ensure full accessibility to all educational and social spaces.

The indicator is: fulfilled

Criterion A.3. Adequate human resources and transparent staff recruiting procedures developed according to the law

Standard S.A.3.1. Human resources

The HEI has the required human resources to organise and deliver the evaluated study programme/domain.

Indicator I.P.A.3.1.1	The human resources of the organisational component are suitable to perform the activities pertaining to the evaluated study programme/domain. The teaching staff has the required qualifications and professional competences to teach the subject matters assigned to them in the job list.
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✓ Presentation of the state of affairs

The doctoral study field of Engineering and Management benefits from adequate human resources for carrying out teaching and research activities, in accordance with the national and institutional requirements governing doctoral education. The field operates within the Doctoral School of Engineering Sciences of IOSUD – University of Oradea and is supported by habilitated PhD supervisors (Annex &), academic staff, and researchers with recognized expertise in the relevant research areas. The PhD supervisors active within the Engineering and Management doctoral field (*IER -Table III.1.6. - Information on the situation of doctoral supervisors in the doctoral field of Engineering and Management*) have obtained the habilitation qualification in accordance with IOSUD-UO regulations and fulfil the current minimum CNATDCU standards (Annex 1). They are full-time or affiliated members of the academic staff of the University of Oradea and

possess the qualifications and competencies required to supervise doctoral research and support the academic development of doctoral students.

The quality of the research activity conducted by the PhD supervisors is demonstrated by their scientific achievements and publications in internationally indexed, prestigious journals. Over the last five years, the academic staff involved in the doctoral field have published a significant number of articles in ISI-indexed journals (Annex 2). Furthermore, the thematic focus and scientific quality of these publications are consistent with the objectives, research directions, and curriculum of the doctoral study field in Engineering and Management. The courses included in the advanced university studies training programme are delivered by PhD supervisors, full professors, and associate professors with proven expertise in the subjects they teach (Annex 4). Their expertise covers the main research directions of the field and ensures the conditions necessary for doctoral training, the supervision of research topics, and the development of scientific activities.

✓ **Analysis of the current situation**

Although the available human resources are adequate to support the evaluated doctoral programme, it is recommended that institutional efforts continue towards increasing the number of PhD supervisors in the field of Engineering and Management, as well as supporting and encouraging early-career academic staff to obtain the habilitation qualification, thereby ensuring the long-term sustainability and further development of the doctoral field.

The indicator is: fulfilled

Indicator I.P.A.3.1.2	The HEI ensures professional and personal development for its staff.
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✓ **Presentation of the state of affairs**

The University of Oradea has institutional mechanisms in place to support the professional and personal development of academic and administrative staff involved in doctoral activities, including within the evaluated doctoral study field. These mechanisms aim to enhance teaching, research, and managerial competencies, as well as to continuously update specialized knowledge in line with developments in scientific research and the requirements of the international academic environment.

Staff involved in the doctoral programme benefit from access to continuous training programmes organized at institutional level, through initiatives such as [InnoScience](#) – Career Counselling for Researchers and projects developed within the [EU Green](#) alliance, including workshops, training sessions, and activities focused on research management, digitalisation, ethics, and academic integrity. Academic staff and researchers also have access to international mobility opportunities through Erasmus+, EU GREEN, and other academic cooperation agreements.

✓ **Analysis of the current situation**

The university provides support for academic career development, including for obtaining the habilitation qualification, through activities coordinated by CSUD and the doctoral schools. Participation in national and international conferences, workshops, and scientific events is also supported through institutional resources, projects, and research grants. The professional development process is further supported by access to modern research and educational infrastructure, scientific databases, university libraries, up-to-date information resources, and digital platforms, all contributing to the continuous improvement of teaching and research activities ([access to subscribed online publications](#)). Through these measures, the University of Oradea fosters a supportive environment for the continuous professional development of staff involved in doctoral activities. However, it is recommended that staff participation in training and professional development programmes be further strengthened in order to consolidate competencies and ensure alignment with current academic and research requirements.

The indicator is: fulfilled

Standard S.A.3.2. Recruitment procedures
Teaching staff recruitment procedures compliant with the provisions of the law.

Indicator I.P.A.3.2.1	Recruitment procedures comply with the provisions of the law, and are established and carried out transparently.
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✓ Presentation of the state of affairs

The University of Oradea organizes, in accordance with the legislation in force, competitions for filling vacant teaching and research positions on an indefinite basis, as well as competitions for assistant professor positions on a fixed-term basis, in accordance with the applicable [regulations](#). The filling of permanent positions is carried out only after their publication in the Official Gazette of Romania by the relevant ministry, in accordance with the institution's own [methodology](#).

✓ Analysis of the current situation

All positions announced for competition are included in the lists of functions (prepared in accordance with the [Operational procedure for preparation and approval of statements of functions](#) of the academic departments and are published on the dedicated page for *teaching position competitions* [Teaching competitions](#), ensuring non-discriminatory access for candidates who meet the legal requirements.

The indicator is: fulfilled

Criterion A.4. Digitalisation of institutional processes

Standard S.A.4.1. Digital transformation

The digital transformation process in the organisational component seeks to achieve administrative simplification and improve the quality of the services provided to the members of its own community, as well as to third parties.

Indicator I.P.A.4.1.1	The organisational component uses IT tools in its own procedures, to improve access and provide good quality services for the members of its own community and the indirect beneficiaries of education.
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✓ Presentation of the state of affairs

The University of Oradea demonstrates the implementation of the digitalisation process through the [Digitalisation Strategy of the University of Oradea for the period 2022–2027](#), approved by the University Senate, which sets out the directions for the development of digital infrastructure and digital competencies at institutional level. Digitalisation is supported by an integrated ecosystem of platforms and IT systems used in educational, administrative, and research activities, the most relevant of which are: UNIWEB/StudInfo, Moodle e.uoradea.ro (integrated with Microsoft 365 and MS Teams), EMSYS, Softlink Liberty5, as well as communication and collaboration infrastructure based on Zimbra, Nextcloud, and CMS platforms (Joomla, WordPress, TikiWiki). The university also provides access to educational and research software and resources (Microsoft, Oracle, Amazon, MATLAB), including institutional licenses for the academic community.

✓ Analysis of the current situation

Within IOSUD-UO, the UNIWEB/StudInfo platform is used for admission management, doctoral progress tracking, fee monitoring, and report generation, representing a central digital management tool for doctoral studies. In addition, IOSUD uses digital tools for doctoral activities in accordance with the [Regulation on the Organisation and Conduct of Doctoral University Studies within IOSUD-UO](#) and the regulations of the doctoral schools. An essential element of quality assurance is the use of plagiarism detection systems, <https://www.sistemantiplagiat.ro/> (Annex 10), used for similarity checking of doctoral theses prior to defence, in compliance with CNATDCU regulations. This set of platforms, regulations, and digital tools highlights the existence of an integrated digital ecosystem and represents examples of good practice in the digitalisation of academic and administrative processes.

The indicator is: fulfilled

DOMAIN B. Educational efficacy

Criterion B.1. Content and relevance of study programmes

Standard S.B.1.1. Content of study programme/s*

The study programme is based on a curriculum designed so that students can acquire the expected learning outcomes.

Indicator I.P.B.1.1.1	The study programme is developed and structured according to the expected learning outcomes, and organised based on transferable study credits. It includes all learning, teaching, practical training, research and evaluation experiences, which, together, lead to a higher education qualification.
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✓ **Presentation of the state of affairs**

PhD program in Engineering and Management, offered by the University of Oradea, is designed in accordance with the expected learning outcomes. The program is based on a coherent curriculum, focused on the development of domain-specific competencies and the achievement of the expected learning outcomes, in accordance with national and European standards. The program is organized on the basis of transferable academic credits (ECTS) and includes learning, research and assessment activities leading to the award of a Level 8 university qualification in the European Qualifications Framework (EQF). The PhD program in Engineering and Management complies with the European Credit Transfer System (ECTS) in accordance with Order no. 6.768/2023 of December 12, 2023.

✓ **Analysis of the current situation**

The program was designed taking into account national and internal regulations and ensuring qualification and correlation with the targeted occupations, according to the Operational Procedure on ensuring the achievement of qualification level 8 according to the National Qualifications Framework (NQF) and the European Qualifications Framework (EQF) within IOSUD - UO . The program for the field of **Engineering and Management** specifies the competencies that are intended to be ensured through a curriculum based on the European Credit Transfer System (ECTS), integrating teaching, learning, practice, research and evaluation activities.

The PhD program in Engineering and Management is supported by relevant documents:

[Plan of Education - PhD-Engineering and Management](#)

[Operational Procedure - NCF, EQF](#)

[Operational Procedures regarding development and approval of curricula](#)

training program based on advanced university studies, with 30 credits and 900 hours, with mandatory subjects in the field: Scientific Research Methodology in the field of Engineering Sciences; Ethics and Academic Integrity in the field of Engineering Sciences; Artificial Intelligence in Engineering and optional subjects in the doctoral field of Industrial Engineering.

Individual scientific research program, with 210 credits and 6300 hours, based on research activities and dissemination of research results, as well as on the development and completion of the doctoral thesis.

✓ **Recommendation:** Periodic updating of the curriculum and course descriptions - Engineering and Management program taking into account the recommendations of stakeholders (graduates, doctoral supervisors, doctoral students, including companies) to adapt to the changing demands of the labor market.

The indicator is: fulfilled

Criterion B.2. Alignment of the curriculum with the qualification

Standard S.B.2.1. Alignment with the qualification level and the intended competences

In the curriculum design and development process, the organisational component seeks to ensure the qualification level, as well as correlation with the envisaged occupations.

* The term "programmes" concerns the external quality evaluation for the study programmes contained in a master/doctoral domain. The term "programme" shall be used hereinafter.

Indicator I.P.B.2.1.2	The expected learning outcomes are correlated with the competences required by those occupations, according to the occupational standards and/or the European Skills, Competences and Occupations (ESCO).
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✓ **Presentation of the state of affairs**

The learning activities within the Engineering and Management PhD program are carried out through a variety of formats, including advanced courses, seminars, practical activities and individual research [Curriculum](#). They are tailored to each doctoral student, and the learning outcomes are aligned with European professional standards, in particular ESCO [Operational Procedure - NCF, EQF](#).

The aim of doctoral studies is to develop human resources competent in scientific research, capable of entering the highly qualified labor market. They consist of training, through research, for research, development and innovation and constitute professional research experience, culminating, after the defense of the doctoral thesis, with the award of the doctorate.

✓ **Analysis of the current situation**

The Commission has verified the inclusion in the list of qualifications of potential occupations according to the ESCO Code 2 classification and narrower ISCO groups, which are: 21 - Science and engineering professionals, 22 - Health professionals, 23 - Education professionals, 24 - Administrative and commercial professionals, 25 - Information and communication technology professionals.

The correlation with ESCO competences is analyzed in particular through the focus on the ability to generate new knowledge, apply advanced research methods and contribute to technological and industrial development.

The ARACIS Commission also found that the school curriculum supports the development of these skills by integrating theoretical training, research and evaluation activities.

✓ **Recommendation:** The correlation between learning outcomes and occupational requirements must be strengthened by continuously updating the curriculum content in line with ESCO/COR developments.

The indicator is: fulfilled

Criterion B.3. Student-centred learning, teaching and evaluation

Standard S.B.3.1 Principles

The organisational component implements the principles of student-centred learning.

Indicator I.P.B.3.1.1	The organisational component ensures implementation of the student-centred learning in the curriculum and through the teaching strategies used in the learning and teaching activities and experiences.
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✓ **Presentation of the state of affairs**

The curricula, course descriptions and individual research programs within the PhD program in Engineering and Management reflect active teaching, learning and assessment methods adapted to the needs and individual pace of development of the PhD students. The professor-student relationship is based on the model of a partnership relationship in order to achieve common objectives. To this end, it includes a series of activities aimed at developing research skills and capitalizing on the results obtained.

✓ **Analysis of the current situation**

The ARACIS Commission proceeded to analyze the available documents with the proposed curriculum for the year 2025-2026 [Curriculum](#). These documents show that the principles of student-centered learning are integrated into the curriculum structure.

The emphasis is on the active role of the doctoral student in the learning process, on the development of research skills and on the adaptation of teaching activities to his individual needs and objectives. In developing a student-centered learning strategy, the emphasis is on the active role of the doctoral student in the learning process, on the development of research skills and on the adaptation of teaching activities to the individual needs and objectives of the student.

The indicator is: fulfilled

Indicator I.P. B.3.1.2	The organisational component ensures opportunities for students to participate in academic mobility programmes organised in person and/or virtually.
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✓ **Presentation of the state of affairs**

At IOSUD-UO provides PhD students with consistent opportunities to participate in academic mobility programs based on student-centered learning, namely: international conferences, research internships, summer schools and training courses. The Doctoral School of Engineering Sciences organized and facilitated the participation of PhD students in the *Blended Intensive Programme (BIP)* within the EUGREEN initiative, an international program developed in collaboration with partner universities. ([EU-Green](#))

These activities, which are also credited in the curriculum, are carried out in accordance with internal regulations, methodologies and clear procedures for organizing and implementing mobilities. Doctoral students are also offered other real and diverse opportunities to participate in academic mobility, both in person and virtually, through other Erasmus+ programs and international partnerships.

✓ **Analysis of the current situation**

The ARACIS Commission has identified these opportunities for participation in academic mobility and in all these activities the University of Oradea has concluded agreements and partnerships for academic cooperation with institutions in the country and abroad, which allow participation in short research internships, workshops, conferences and individual mobilities. Doctoral students benefit from advanced opportunities for academic mobility through the Collaboration Protocol between the University of Oradea and the University of Alicante (Spain), which allows for obtaining a double doctoral degree (Double PhD Degree).

✓ **Recommendation:** It is recommended to strengthen collaboration with European universities by signing cooperation agreements and facilitating opportunities for students to complete doctoral internships at partner universities.

The indicator is: fulfilled

Standard S.B.3.2. Fairness

The organisational component provides fair opportunities for students.

Indicator I.P.B.3.2.1	The organisational component provides fair opportunities for students, in line with their potential and aspirations, taking into account the diversity of learning styles and abilities
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✓ **Presentation of the state of affairs**

IOSUD-UO ensures equal opportunities for all students, including doctoral students, in accordance with their potential and aspirations, taking into account the diversity of learning styles and abilities. Educational and research activities are planned in such a way as to allow flexibility in relation to the individual potential and aspirations of doctoral students, including the possibility of choosing the doctoral supervisor, selecting research topics according to one's own skills and interests, as well as equal access to the educational and scientific resources of the Doctoral School.

✓ **Analysis of the current situation**

Documents demonstrating that institutional policies on equity and inclusion are implemented through: [The Charter of the University of Oradea](#), [Internal regulations](#), [Code of Ethics and University Deontology](#)

Doctoral students benefit from personalized support according to their specific needs, including academic advising and administrative support, and teaching and research activities are adapted to respond to the diversity of learning styles and rhythms. Also, access to scholarships, mobility programs, research resources and participation in scientific events is carried out on a transparent and equitable basis.

The indicator is: fulfilled

Criterion B.4. Accessibility and efficiency of the resources and support services, adequate for learning

Standard S.B.4.1. Access to resources and services

The organisational component provides access to adequate resources and support services, according to the needs of the students.

Indicator I.P.B.4.1.1	The organisational component provides students, including those with special educational needs/disabilities, with access to resources and services designed to support the learning process, adequate for the individual learning needs, the study domain, the study cycle, and the form of organisation of the study programme.
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✓ Presentation of the state of affairs

IOSUD-UO ensures access to all students, including those with special educational needs or disabilities, to resources and support services adapted to individual learning needs, specific to the field, cycle and form of organization of the study program - REI page 35

✓ Analysis of the current situation

The ARACIS Commission analyzed and discussed documents regarding physical and digital accessibility measures for campus and education, such as:

[Framework regulation of the University of Oradea regarding accomodation in student dormitories](#)

[Regulation on granting scholarships and other forms of support material for students of UO](#)

At the UO level, there is an Office for students with visual disabilities or blindness, established in collaboration with the Cartea Călătoare Foundation and Orange, through which this category of students benefits from adapted courses (enlarged/transformed into Braille).

Laboratory for people with disabilities where there is equipment and software that facilitates access to learning for students with disabilities: Software for people with special needs (provided with voice in Romanian, can be installed on a computer, allows access to all the usual functions of a computer: using the operating system, reading and writing documents, reading books, browsing the internet, reading and writing emails, communicating on Facebook, Skype, Messenger or Instant Bird.), Screen magnifier and reader software module (Ensures screen magnification, but benefits from a voice synthesizer), Braille tablet + pointer, Optelec Compact Mini electronic magnifier, large-character keyboard, Braille typewriter, Independent reading tool, with excellent voice playback, Tactile diagram tool, Braille printer, assistive laptop.

The indicator is: fulfilled

Criterion B.5. Learning outcomes

Standard S.B.5.1. Definition and evaluation

Learning outcomes are adequately defined and evaluated.

Indicator I.P.B.5.1.1	Learning outcomes are adequately described, and they support understanding of the students' and teachers' expectations regarding the content of the subject matters in the curriculum.
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✓ Presentation of the state of affairs

Learning outcomes are presented clearly and coherently, emphasizing the knowledge, skills and competencies that the doctoral student must acquire at the end of each discipline or training activity.

They are presented - Presentation of the current situation, supported by documents and data, Knowledge, Skills, Responsibility and autonomy. In the case of doctoral programs, the learning outcomes are in line with level 8 of the CNC (National Qualifications Framework), - REI page 35

✓ Analysis of the current situation

Before the visit, the ARACIS Commission studied:

- [Curriculum:](#)

- [Procedure regarding the assessment and internal monitoring of schools/doctoral fiels](#)

From the analysis of the 2025-2026 curriculum, it is found that the learning outcomes are clearly formulated, coherent and correlated with the disciplines and scientific reports, supporting the

understanding of training objectives, the transparency of the educational process and the planning of teaching and research activities.

The evaluation process is documented and transparent, and the results are analyzed annually at the doctoral field level, which ensures coherence, traceability and adequacy in relation to the learning outcomes assumed at the field level.

Learning outcomes formed within the study program, correlation between learning outcomes, doctoral training and research activities and targeted competencies for the 2025-2026 academic year;

The indicator is: fulfilled

Indicator I.P.B.5.1.2	Achievement of the learning outcomes is checked in ongoing examinations and study completion exams.
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✓ **Presentation of the state of affairs**

In the PhD program in Engineering and Management, the assessment of learning outcomes is carried out systematically and rigorously, both during the semester and at the end of the program. The REI specifies: the training program based on advanced university studies, the final objective of the individual scientific/applied research program and the way in which doctoral studies are completed by defending the doctoral thesis in a public session.

✓ **Analysis of the current situation**

Verification of learning outcomes is achieved through Subject sheets (described in Annex 4);

[Procedure regarding the assessment and internal monitoring of schools/doctoral fields;](#)

The advanced university studies-based training program is held in the first semester of the first year. Participation in the exam for a subject is mandatory and is qualified with the grade ("Very good", "Good", "Satisfactory" or "Unsatisfactory"). The grade "Unsatisfactory" means that the exam was not passed and entails the obligation to retake it in order to obtain the corresponding credits. If the grade is "Unsatisfactory" also at the second examination, the doctoral student is expelled from the doctoral studies. The doctoral student must accumulate a total of 30 ECTS credits within the advanced university studies-based program. The final objective of the individual scientific/applied research program is for the doctoral student to write and defend the doctoral thesis in a public session before the doctoral thesis defense committee.

The indicator is: fulfilled

Criterion B.7. Procedures and practices regarding the admission competition, the journey, recognition and equivalence of studies, and result certification

Standard S.B.7.1. Admission	
The admission procedures and principles ensure access to higher education.	
Indicator I.P.B.7.1.1	The organisational component applies the admission procedures.

✓ **Presentation of the state of affairs**

Admission to IOSUD - UO is carried out on a competitive basis, under transparent conditions, by publishing on the institution's website information on the admission program, selection criteria, entrance exams, number of available places and eligibility requirements, as well as program directors for each field. The procedures are implemented with the involvement of the responsible academic bodies (admission committees). The admission procedures for are regulated and applied in accordance with the Methodology for organizing and conducting the admission competition for doctoral university studies, and with all procedures and information presented publicly.

At IOSUD - UO, an accessible and fair admission framework is promoted, adapted to the needs of candidates from vulnerable groups, those in situations of social or educational risk, as well as those with special educational needs and/or disabilities.

✓ **Analysis of the current situation**

Admission to the doctoral program in Engineering and Management is carried out in accordance with the principles of equity, equal opportunities and social inclusion, in accordance with national regulations and the institutional policy of IOSUD - UO.

[Methodology for organizing and conducting the admission contest for doctoral studies](#)

The application of admission procedures contributes to ensuring a predictable and transparent process, in accordance with the requirements of indicator IPB7.1.1.

The indicator is: fulfilled

Indicator I.P.B.7.1.2	Admission in higher education study programmes complies with the principles of fairness and equal opportunities, and with the establishing of support measures to ensure access of vulnerable groups at social and educational risk, including candidates with special educational needs and/or disabilities.
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✓ **Presentation of the state of affairs**

Admission procedures are public, transparent and equally applicable to all eligible candidates, without discrimination on social, economic, gender, ethnicity, disability or other criteria that are not academically relevant. Information on admission requirements, competition calendar and selection criteria are published on the institution's website. IOSUD - UO promotes an accessible and fair admission framework, adapted to the needs of candidates from vulnerable groups, in situations of social or educational risk, as well as those with special educational needs and/or disabilities.

✓ **Analysis of the current situation**

Admission to the doctoral program in Engineering and Management is carried out in accordance with the principles of equity, equal opportunities and social inclusion, in accordance with national regulations and the institutional policy of IOSUD - UO through:

[Admission methodology Doctorate IOSUD-UO](#)

[Methodology for organizing and conducting the admission contest for doctoral studies](#)

[The methodology regarding the admission and schooling of foreign citizens](#)

The Commission has also identified procedures and guidelines for accommodating candidates with special educational needs and/or disabilities.

The indicator is: fulfilled

Standard S.B.7.2. Academic journey of students	
The organisational component carries out actions supporting the students' academic journey.	
Indicator I.P.B.7.2.1	The organisational component applies the regulations concerning the students' professional activity.

✓ **Presentation of the state of affairs**

The Doctoral School of Engineering Sciences at the University of Oradea applies the regulations regarding the professional activity of doctoral students rigorously and in accordance with the national legislation in force, as well as with the internal regulations of the university. These regulations aim at the conduct of research activities, participation in academic activities and the responsibilities assumed by doctoral students in their professional and scientific career. The organizational framework of the students' professional activity is regulated by a set of rules that ensure a structured and transparent learning activity, aligned with academic and ethical standards. It is governed by the national legislation and the institutional regulations in force, namely the Higher Education Law no. 199/2023, OME no. 3020/2024 regarding the Framework Regulation for Doctoral Studies.

✓ **Analysis of the current situation**

The Doctoral School of Engineering Sciences provides constant support for the academic progress of doctoral students by implementing institutional regulations regarding their activities. There are clear criteria for academic evaluation, promotion, re-examination and completion of studies, according to the following documents:

[Organizational regulations and functioning of doctoral university studies](#)

[Doctoral University Studies Contract](#)

[Code of Ethics and university ethics](#)

[Declaration on authenticity of the doctoral thesis](#)

The ARACIS Commission identified in the Code of University Ethics and Deontology sanctions established by the Ethics Committee for violations of academic ethics. Monitoring involves both the recording of academic and scientific results and the assessment of compliance with ethical standards and academic conduct. In order to prevent and control fraud related to plagiarism at the IOSUD – UO level, all doctoral and habilitation theses are checked by an anti-plagiarism software, which is on the list of programs recognized by CNATDCU and used at the level of higher education institutions organizing doctoral studies and the Romanian Academy, in order to establish the degree of similarity for scientific works, in accordance with MENCS Order no. 3485/24.03.2016.

The indicator is: fulfilled

Criterion B.8. Internationalisation process

Standard S.B.8.1. Internationalisation

Improving the quality of education and research through internationalisation actions.

Indicator I.P.B.8.1.1	The organisational component carries out international cooperation actions supporting mobility of the members of its own community and collaboration in academic and research activities.
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✓ **Presentation of the state of affairs**

Regarding the organization's international activity, IOSUD – UO supports the improvement of the quality of education and research through concrete internationalization actions, in accordance with the Internationalization Strategy of the University of Oradea , which details the international objectives and initiatives. IOSUD-UO supports the improvement of the quality of education and research through concrete internationalization actions, in accordance with the Internationalization Strategy of the University of Oradea , which details the international objectives and initiatives.

The Doctoral School supports and promotes the mobility of doctoral students, doctoral supervisors, academic and administrative staff, thus contributing to the development of the international dimension of doctoral studies.

✓ **Analysis of the current situation**

The ARACIS Commission identified three main directions of internationalization:

- International academic mobilities: Erasmus+ and academic visits [Erasmus-International academic mobility](#): Professors and PhD students participate in external internships based on bilateral agreements. Intensive mobility activity : Professor Constantin Bungău registers 7 external mobilities (Italy, Spain, France, Ireland, Malaysia) between 2023 and 2026. Applied doctoral research : In 2026, PhD students Sumuțiu NP Ovidiu-Petru and Oros AI Andrei will carry out Erasmus+ mobilities to optimize automotive exhaust systems. International lectures : IOSUD provides funding for inviting top-ranking foreign experts to give courses and seminars. Research internships : PhD students in the field of Engineering and Management develop their skills in laboratories and centers of excellence abroad.
- International co-supervisions and committees: Co-supervision partnerships : The thesis of the doctoral student Bodea (Hora) AO Simina Teodora (registered in 2021) is jointly coordinated by the University of Oradea and the Politehnica University of Timișoara. Coordination from the USA : The supervisory committee of the doctoral student Flonta VV Flavius-Viorel (registered in 2023) includes Prof. Florentin Smarandache, Professor Emeritus at the University of New Mexico (USA). Emerging technologies : On 17.02.2026, the CEO of EON Reality, Dan Lejerskar, gave an online presentation for the development of a Virtual Campus within the Technology Transfer Center.
- Research projects and networks: EUGreen Consortium [EU-Green](#): PhD students in the field of Engineering and Management are actively involved in three major sustainability clusters (Cluster 3 -

Engineering, Cluster 5 - Education, Cluster 6 - Biodiversity). Intensive programs (BIP) : The Doctoral School of Engineering Sciences organized the course "Introduction to Mathematical and Computational Modelling for Sustainability" through the EUGreen program . International competitions : In 2025, the PhD student Pop VR Marius-Vlad successfully participated in the project competition organized at the level of IOSUD UO within the European EUGreen alliance.

- ✓ **Recommendation:** In accordance with the Internationalization Strategy of the University of Oradea , it is recommended to attract new international students.

The indicator is: fulfilled

Criterion B.9. Scientific research results

Standard S.B.9.1 Scientific research in the education process	
Scientific research activities support students in achieving the learning outcomes.	
Indicator I.P.B.9.1.1	Learning based on scientific investigation and research results support and are capitalised upon in achieving the learning outcomes envisaged through the study programme.

- ✓ **Presentation of the state of affairs**

The research projects carried out at IOSUD-UO and, of course, within the doctoral program Engineering and Management, scientific research activities are in line with the strategic directions of the UO. Research activities are systematically integrated into the doctoral program, significantly contributing to the acquisition of professional and transversal skills and to the achievement of the learning outcomes established in the curriculum.

- ✓ **Analysis of the current situation**

Doctoral research not only supports the acquisition of knowledge and skills, but also transforms scientific results into real, applicable and transferable skills in the field of Engineering and Management.

In the Engineering and Management doctoral program, scientific research activities are integrated into the doctoral curriculum. This integration is reflected in:

- Course descriptions include references to learning strategies based on scientific inquiry; curricula and individual research programs;
- Research reports prepared by doctoral students;
- Publication of scientific papers/articles

The indicator is: fulfilled

Standard S.B.9.2. Scientific research pertaining to the objectives of the study programme	
The organisational component carries out scientific research activities aligned with the objectives of the evaluated study programme.	
Indicator I.P.B.9.2.1	The results of scientific research are visible at national and international level in that scientific domain, and capitalised upon in an adequate manner.

- ✓ **Presentation of the state of affairs**

The scientific research activity is aligned with the doctoral study program in Engineering and Management and aims to strengthen the specific scientific field by generating relevant, innovative and applicable knowledge. The research results are visible at national and international level.

- ✓ **Analysis of the current situation**

The research results are reflected through the following mechanisms:

Visibility through publishing research results in scientific articles in indexed national and international journals (Web of Science, Scopus), through presenting research results at conferences, through participating in national and international scientific events, where research results are presented and discussed, providing valuable feedback for improving scientific quality and for developing the academic communication skills of doctoral students.

The exploitation of results in an institutional and industrial context through collaborations with the industrial environment and other research institutions, including through nationally and internationally funded projects (Horizon Europe, bilateral projects), which contributes to the practical applicability of the research and the socioeconomic relevance of the program. The participation of doctoral students in such projects strengthens interdisciplinary skills, project management skills and international collaboration.

Monitoring and evaluating visibility and impact through scientific performance indicators and annual reporting within the Doctoral School and CSUD, which allows for the adjustment of the study program and training methodologies to achieve the targeted learning outcomes.

Thus, scientific research not only supports the objectives of the doctoral program, but is actively integrated into the training process of doctoral students, supporting the acquisition of advanced knowledge, practical skills, autonomy and professional responsibility, according to the dimensions of learning outcomes (Knowledge - Skills - Responsibility and Autonomy).

The indicator is: fulfilled

DOMAIN C. Quality management

Criterion C.1. Quality assurance strategies and procedures, including in the field of academic ethics and conduct, which involve students, employers and other stakeholders and are applied in a consistent, transparent manner

Standard S.C.1.1. Application

Adequately implemented strategic directions, actions, and procedures

Indicator I.P.C.1.1.1	The organisational component consistently carries out actions and applies procedures, proving their impact on improving the quality of education at the level of the study programme
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✓ Presentation of the state of affairs

The Doctoral Field Engineering and Management applies quality assurance strategies and procedures in accordance with the [Strategic Development Plan of the University of Oradea 2025–2030](#), the [Regulations](#) and the institutional quality management overall framework, coordinated by [CCEAC](#) and CSUD. These procedures are, according to the provided REI, implemented transparently and uniformly, with the involvement of doctoral students, doctoral supervisors, employers and other stakeholders.

✓ Analysis of the current situation

Quality assurance activities include the monitoring of doctoral students' progress, evaluation of research performance, stakeholder feedback collection and periodic review of regulations and academic processes. The results of these activities are analysed and used to improve the quality of doctoral education, research outcomes and programme management.

The activity of CCEAC, CEAQ and DAC is carried out in accordance with national and domestic regulations. The specific activities of quality management within the OU can be viewed on the website: [Quality Management](#).

The indicator is: fulfilled

Standard S.C.1.2. Stakeholder engagement

The HEI proves that it engages the stakeholders who have relevant activity in applying the procedures.

Indicator I.P.C.1.2.1	The opinions of the members of its own community and of other stakeholders are taken into account in the procedure implementation process.
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✓ Presentation of the state of affairs

The university [engages stakeholders in the implementation of quality assurance procedures](#) at IOSUD and Doctoral School level. The internal procedures show that the opinions of [doctoral students](#), [doctoral students](#), [doctoral supervisors](#), [teaching staff](#), [graduates](#), [employers and external partners](#) are collected through satisfaction questionnaires, meetings of the Council of the Doctoral School and CSUD, consultations with guidance committees, and collaboration with socio-economic partners.

✓ Analysis of the current situation

The feedback obtained is analysed and used for updating procedures, discipline sheets, individual research plans and development measures, supporting transparency, relevance and continuous improvement of doctoral studies.

The indicator is: fulfilled

Criterion C.2. Functionality of education quality assurance structures, including in the field of academic ethics and conduct, according to the law

Standard S.C.2.2. Operation

Quality assurance and academic ethics and conduct organisational structures adequately perform their specific role and functions.

Indicator I.P.C.2.2.2.	The academic ethics commission operates based on the regulation approved by the University Senate, and performs actions that are compliant with the law, independently from any other structure or person in the higher education institution.
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✓ Presentation of the state of affairs

The provided documents state that the institution ensures the active involvement of members of the academic community and external stakeholders in the implementation and improvement of quality assurance procedures. Doctoral students, doctoral supervisors, employers, research partners and representatives of the socio-economic environment contribute through consultations, feedback mechanisms, participation in academic structures and periodic evaluations organized at the level of the Doctoral School, CSUD and IOSUD–University of Oradea.

✓ Analysis of the current situation

The analysis of the available evidence shows that stakeholder feedback is systematically considered in the implementation and revision of academic and quality assurance procedures. The involvement of [doctoral students](#) and [external partners](#) contributes to the continuous improvement of doctoral education, research activities and institutional processes, ensuring that the doctoral field remains aligned with academic standards and the needs of the labour market.

The indicator is: fulfilled

Criterion C.3. Procedures for the initiation, monitoring and periodic review of the study programmes and domains and of the performed activities, involving students, employers and other stakeholders

Standard S.C.3.1. Procedures and implementation of procedures

The HEI has procedures for initiating, monitoring, and periodically reviewing the study programmes and domains and the performed activities, and applies them systematically.

Indicator I.P.C.3.1.1	The organisational component consistently applies the procedures, and proves their impact on quality assurance.
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✓ Presentation of the state of affairs

The institution had adopted a [Procedure for the initiation, monitoring and periodic review of programs and fields of study](#). At the level of IOSUD, a procedure for evaluating and monitoring the evolution of doctoral schools/doctoral fields has also been developed and is periodically applied [Procedure for evaluating and monitoring the evolution of doctoral schools/doctoral fields](#).

✓ Analysis of the current situation

These procedures are implemented through the continuous monitoring of doctoral students' progress, research performance, doctoral supervision activities and programme outcomes, as well as through the periodic analysis of regulations and strategic objectives. Relevant procedures and regulations are publicly available and are regularly updated to ensure compliance with national requirements and institutional priorities.

The indicator is: fulfilled

Indicator I.P.C.3.1.2	Members of its own community and other stakeholders are involved in the procedure implementation process.
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✓ **Presentation of the state of affairs**

According to the provided documents, there is an active involvement of members of its academic community and other relevant stakeholders in the implementation of quality assurance, monitoring and review procedures. At the institutional level, students are represented in the [CSUD](#), the [Council of the Doctoral School of Engineering Sciences](#), the [University Senate](#), the [Council of Administration](#) and the quality assurance structures, where they participate in discussions and decisions regarding the improvement of doctoral education. In addition, the University of Oradea states that they regularly consult graduates, employers and representatives of the socio-economic environment through meetings, surveys and collaborative activities aimed at aligning doctoral studies with labour market and research needs.

✓ **Analysis of the current situation**

Within the Doctoral School of Engineering Sciences, the implementation of procedures is supported through periodic meetings of the Doctoral School Council (CSD), where doctoral supervisors, academic staff and doctoral student representatives discuss and approve measures related to the effective functioning and continuous improvement of doctoral programmes. Furthermore, collaboration agreements and partnerships with external organisations are listed as an opportunity that contributes to research activities and access to specialised resources.

The indicator is: fulfilled

Criterion C.4. Procedures for the periodic evaluation of the quality of the activities of teaching staff, auxiliary teaching staff, and administrative staff

Standard S.C.4.1. Procedures Applying the methodologies and procedures contributes to improving the quality of the staff's activities.	
Indicator I.P.C.4.1.1	The organisational component analyses the results of the students' biannual evaluation of teachers.

✓ **Presentation of the state of affairs**

The Doctoral Field applies the institutional procedures for the periodic evaluation of teaching activities, in accordance with the [Operational Procedure regarding the evaluation of the professional activity of teachers and study subjects](#). The evaluation process includes student feedback, self-evaluation, peer evaluation and the assessment of study subjects, contributing to the continuous improvement of teaching quality and academic performance.

✓ **Analysis of the current situation**

At doctoral level, students annually complete the ****Questionnaire on the level of satisfaction with the doctoral programme****, which includes aspects related to communication with doctoral supervisors, access to information, organization of doctoral activities, research facilities, scientific events and overall support provided by the Doctoral School. The questionnaires are completed online and the results are analysed by the Council of the Doctoral School (CSD), which identifies strengths, areas for improvement, and, where relevant, proposes corrective measures and development actions. The conclusions are subsequently communicated to CSUD and integrated into the continuous monitoring and quality assurance process of the doctoral field.

The indicator is: fulfilled

Criterion C.5. Systematically updated databases on internal quality assurance

Standard S.C.5.1. Databases The HEI uses databases to support internal quality assurance activities.	
Indicator I.P.C.5.1.1	The organisational component systematically collects and analyses data required for the internal quality assurance process.

✓ **Presentation of the state of affairs**

The University uses databases and digital platforms integrated within the Quality Assessment and Assurance System (SEAQ), which support the monitoring of academic performance, doctoral students' progress, research activities, mobility participation and programme outcomes. Relevant information is managed through the Department for Quality Assurance (DAC) and is [regularly updated](#) to ensure the effectiveness of quality assurance activities.

✓ **Analysis of the current situation**

At the level of the doctoral field, data are collected regarding doctoral students' academic and research achievements, participation in scientific events and research projects, completion rates, as well as the results of annual satisfaction questionnaires. The results are integrated into quality assurance reports and support evidence-based decision-making, continuous improvement of doctoral activities and transparency in programme management. [The Report on the Needs and Satisfaction of Doctoral Students](#) within the Doctoral School of Engineering Sciences supports this process.

The indicator is: fulfilled

Criterion C.6. Transparency of information of public interest, including those regarding the study programmes and domains offered, and transparency regarding the related certificates, diplomas and qualifications

Standard S.C.6.1. Transparency

The organisational component ensures transparency of information, as required by the law.

Indicator I.P.C.6.1.1	The organisational component ensures publication and access to information of public interest regarding the evaluated study programme.
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✓ **Presentation of the state of affairs**

Information concerning admission, doctoral study regulations, doctoral study contracts, programme completion requirements, curricula, doctoral supervisors, doctoral students and doctoral thesis defence procedures is made available through the [IOSUD–University of Oradea website](#) and [related institutional platforms](#). Doctoral students have declared that they have access to the documents and forms necessary for all stages of their doctoral studies, from admission to the awarding of the doctoral degree.

✓ **Analysis of the current situation**

The Doctoral School of Engineering Sciences publishes and regularly updates information regarding internal regulations, admission methodology, doctoral study contracts, curricula, research themes of doctoral supervisors, lists of doctoral students, standards for doctoral thesis preparation and announcements concerning public thesis defences. In addition, [doctoral thesis abstracts](#), together with details regarding the date, time and location of public defences, are published in advance, ensuring the visibility and openness of the doctoral evaluation process.

Recommendation: Improve and develop the English version of the IOSUD website.

The indicator is: fulfilled

Indicator I.P.C.6.1.2	The organisational component ensures transparent decision-making processes.
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✓ **Presentation of the state of affairs**

The University of Oradea promotes transparent governance by publishing the decisions of the [University Senate](#), the [Council of Administration](#) and [CSUD](#) on its official website. Doctoral students and academic staff are represented in the relevant decision-making structures and participate in consultations and discussions regarding the development and implementation of policies affecting doctoral studies.

✓ **Analysis of the current situation**

The analysis of the available evidence shows that decision-making processes are carried out in a transparent manner, with clear communication mechanisms and public access to relevant decisions and regulations.

The indicator is: fulfilled

Criterion C.8. Participation in external evaluation processes, according to the law

Standard S.C.8.1. Compliance with the external evaluation obligation

The HEI undergoes external quality evaluation as required by the law.

Indicator I.P.C.8.1.1	The organisational component carries out the procedures pertaining to the external quality evaluation process, aiming to organise the evaluated study programme as provided by the law.
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✓ Presentation of the state of affairs

The Doctoral Field Engineering and Management, organized within IOSUD–University of Oradea, carries out all procedures required for [external quality evaluation](#) in accordance with national legislation and ARACIS standards. The University of Oradea regularly participates in external evaluation processes.

✓ Analysis of the current situation

The analysis of the available evidence shows that the organisational component effectively implements the procedures related to external quality evaluation and ensures the conditions necessary for the lawful and high-quality organization of the doctoral programme.

The indicator is: fulfilled

IV. SWOT Analysis

Strengths: ✓ The “HIGH LEVEL OF CONFIDENCE” qualification of the University of Oradea, reconfirmed in 2024. Diversity of the educational offer. ✓ Programmes and policies supporting excellence in research and innovation. ✓ Strong integration within the regional socio-economic environment. The Doctoral School benefits from a modern and continuously developing material infrastructure. ✓ Well-regulated and functional organisational framework: there are operational structures (CSUD, CSD, SSUD) with clearly defined roles in doctoral study management. ✓ Academic staff and doctoral students of the Doctoral School are actively involved in research activities. ✓ Transparency of information regarding doctoral studies, regulations and decision-making processes.	INTERNAL FACTORS 	Weaknesses: ✓ The need to further expand the digitalisation of administrative and educational processes in order to increase efficiency and strengthen institutional digital integration. ✓ Low number of PhD supervisors in the field of Engineering and Management (IM). ✓ Relatively low national and international visibility compared to well-established doctoral schools in major university centres. ✓ A low number of doctoral grants in relation to the number of PhD supervisors within IOSUD – University of Oradea, compared to other higher education institutions in the country. ✓ Stakeholder consultation could be documented more systematically. ✓ The impact of quality assurance measures could be shown more clearly through measurable indicators.
SWOT analysis		
✓ Opportunities: ✓ Expansion of international collaborations, including through the EU GREEN consortium.	EXTERNAL FACTORS 	✓ Threats: ✓ Insufficient public funding for doctoral research.

✓ Opportunities for strategic partnerships with local public administration and the business sector. ✓ Access to national and European funding sources through programmes such as PNRR, Horizon Europe, and Digital Europe, which provide opportunities for attracting funding for infrastructure, doctoral scholarships, internships, and research projects. ✓ Further development of digital tools for monitoring doctoral progress and quality assurance data. ✓ Stronger involvement of employers, graduates and external research partners. ✓ Use of annual feedback reports to support evidence-based improvement. ✓ Expansion of international cooperation and benchmarking with similar doctoral fields.		✓ Migration of highly qualified human resources to the private sector or abroad. ✓ Frequent changes in national regulations governing doctoral education may require continuous updates of procedures. ✓ Low participation of stakeholders or low questionnaire response rates may affect feedback relevance. ✓ Increased administrative workload related to quality assurance documentation. ✓ Competition from other doctoral schools may affect the attractiveness of the doctoral field.
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V. Extent to which the standards and performance indicators are fulfilled, and recommendations

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
DOMAIN A. Institutional capacity			
1.	I.P.A.1.1.1 For delivering the study programme/domain, the HEI has adequate organisational components and an adequate management system, which operate based on methodologies, regulations and procedures that are periodically reviewed as required by law.	F	
2.	I.P.A.1.2.1 The opinions of the faculty and department members, of the subsidiary or extension and of other stakeholders are considered in the process of adopting and revising methodologies, regulations and implementation procedures.	F	Improve the documentation of meetings, including those with employers, by preparing meeting minutes to ensure the traceability of consultations and the decisions adopted.
3.	I.P.A.2.1.1 The HEI legally owns venues for the related education, research and administrative processes, as well as for services for students, doctoral students and trainees, thus providing an enabling environment for living and studying, including for disabled persons. Optimal venues are	F	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
	also provided for activities of the staff. Such venues are adequately equipped.		
4.	I.P.A.2.2.1 The movable and immovable assets are properly maintained to ensure optimal conditions for studying, living and research, as well as for work.	F	
5.	I.P.A.3.1.1 The human resources of the organisational component are suitable to perform the activities pertaining to the evaluated study programme/domain. The teaching staff has the required qualifications and professional competences to teach the subject matters assigned to them in the job list.	F	
6.	I.P.A.3.1.2 The HEI ensures professional and personal development for its staff.	F	
7.	I.P.A.3.2.1 Recruitment procedures comply with the provisions of the law, and are established and carried out transparently.	F	
8.	I.P.A.4.1.1 The organisational component uses IT tools in its own procedures, to improve access and provide good quality services for the members of its own community and the indirect beneficiaries of education.	F	
DOMAIN B. Educational efficacy			
9.	I.P.B.1.1.1 The study programme is developed and structured according to the expected learning outcomes, and organised based on transferable study credits. It includes all learning, teaching, practical training, research and evaluation experiences, which, together, lead to a higher education qualification.	F	Periodic updating of the curriculum and course descriptions - Engineering and Management program taking into account the recommendations of stakeholders (graduates, doctoral supervisors, doctoral students, including companies) to adapt to the changing demands of the labor market.
10.	I.P.B.2.1.2 The expected learning outcomes are correlated with the competences required by those occupations, according to the occupational standards and/or the European Skills, Competences and Occupations (ESCO).	F	The correlation between learning outcomes and occupational requirements must be strengthened by continuously updating the curriculum content in line with ESCO/COR developments.
11.	I.P.B.3.1.1 The organisational component ensures implementation of the student-centred learning in the curriculum and through the teaching strategies used in the learning and teaching activities and experiences.	F	
12.	I.P.B.3.1.2 The organisational component ensures opportunities for students to participate in academic mobility programmes organised in person and/or virtually.	F	It is recommended to strengthen collaboration with European universities by signing cooperation agreements and facilitating opportunities for students to complete doctoral internships at partner universities.
13.	I.P.B.3.2.1 The organisational component provides fair opportunities for students, in line with	F	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
	their potential and aspirations, taking into account the diversity of learning styles and abilities.		
14.	I.P.B.4.1.1 The organisational component provides students, including those with special educational needs/disabilities, with access to resources and services designed to support the learning process, adequate for the individual learning needs, the study domain, the study cycle, and the form of organisation of the study programme.	F	
15.	I.P.B.5.1.1 Learning outcomes are adequately described, and they support understanding of the students' and teachers' expectations regarding the content of the subject matters in the curriculum.	F	
16.	I.P.B.5.1.2 Achievement of the learning outcomes is checked in ongoing examinations and study completion exams.	F	
17.	I.P.B.7.1.1 The organisational component applies the admission procedures.	F	
18.	I.P.B.7.1.2 Admission in higher education study programmes complies with the principles of fairness and equal opportunities, and with the establishing of support measures to ensure access of vulnerable groups at social and educational risk, including candidates with special educational needs and/or disabilities.	F	
19.	I.P.B.7.2.1 The organisational component applies the regulations concerning the students' professional activity.	F	
20.	I.P.B.8.1.1 The organisational component carries out international cooperation actions supporting mobility of the members of its own community and collaboration in academic and research activities.	F	
21.	I.P.B.9.1.1 Learning based on scientific investigation and research results support and are capitalised upon in achieving the learning outcomes envisaged through the study programme.	F	
22.	I.P.B.9.2.1 The results of scientific research are visible at national and international level in that scientific domain, and capitalised upon in an adequate manner.	F	
DOMAIN C. Quality management			
23.	I.P.C.1.1.1 The organisational component consistently applies the procedures, and proves their impact on quality assurance.	F	
24.	I.P.C.1.2.1 The opinions of the members of its own community and of other stakeholders are taken into account in the procedure implementation process.	F	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
25.	I.P.C.2.2.2. The academic ethics commission operates based on the regulation approved by the University Senate, and performs actions that are compliant with the law, independently from any other structure or person in the higher education institution.	F	
26.	I.P.C.3.1.1 The organisational component consistently applies the procedures, and proves their impact on quality assurance.	F	
27.	I.P.C.3.1.2 Members of its own community and other stakeholders are involved in the procedure implementation process.	F	
28.	I.P.C.4.1.1 The organisational component analyses the results of the students' biannual evaluation of teachers.	F	
29.	I.P.C.5.1.1 The organisational component systematically collects and analyses data required for the internal quality assurance process.	F	
30.	I.P.C.6.1.1 The organisational component ensures publication and access to information of public interest regarding the evaluated study programme.	F	Improve and develop the English version of the IOSUD website.
31.	I.P.C.6.1.2 The organisational component ensures transparent decision-making processes.	F	
32.	I.P.C.8.1.1 The organisational component carries out the procedures pertaining to the external quality evaluation process, aiming to organise the evaluated study programme as provided by the law.	F	

Summary Table of Performance Indicators – Degree of Fulfillment

Evaluation Domain	Number of Performance Indicators		
	Fulfilled	Partially fulfilled	Unfulfilled
Domain A. Institutional capacity	8	0	0
Domain B. Educational efficacy	14	0	0
Domain C. Quality management	10	0	0
Total	32	0	0

A total of 32 performance indicators were analysed, of which 32 indicators were assessed as fulfilled, 0 indicator partially fulfilled and 0 indicators unfulfilled.

VI. Conclusions

During the on-site evaluation, the external panel carried out a series of meetings with representatives of the institutional structure (IOSUD) responsible for coordinating the doctoral programme in Engineering and Management, members of the Faculty of Engineering and Information Technology, academic staff engaged in the programme, PhD supervisors, doctoral candidates, employers, alumni, representatives of research



centres and laboratories, as well as members of the quality assurance and evaluation committee, ethics committee, and other institutional bodies involved in quality assurance processes.

The discussions conducted throughout the visit revealed that the doctoral learning environment in the field of Engineering and Management sufficiently aligns with labour market expectations and is positively perceived by doctoral students, academic staff, and graduates.

On the basis of the evidence presented above (32 fully met indicators, 0 partially met, and 0 unmet), the external evaluation panel concludes that all requirements are fulfilled for maintaining accreditation (MAC) of the doctoral study programme in Engineering and Management, organized within the IOSUD of the University of Oradea.

VII. Annexes

- Schedule of the on-site visit;
- Minutes of the meetings.



**AGENȚIA ROMÂNĂ DE ASIGURARE A CALITĂȚII ÎN ÎNVĂȚĂMÂNTUL
SUPERIOR**

*Membră în Asociația Europeană pentru Asigurarea Calității în Învățământul Superior - ENQA
Înscrișă în Registrul European pentru Asigurarea Calității în Învățământul Superior - EQAR*

**Calendarul vizitei de evaluare externă a calității
domeniului de studii universitare de doctorat/ The timetable for the evaluation of the external quality evaluation visit
for the doctoral university study domain**

Instituția de învățământ superior/Organizația furnizoare de educație/ Higher Education Institution / Education Provider
Organization: **Universitatea din Oradea/** University of Oradea

Școala doctorală/ Doctoral School: **Școala Doctorală Interdisciplinară /** Interdisciplinary Doctoral School

Domeniul de doctorat/ Doctoral Domain: **Inginerie și Management /** Engineering and Management

Obiectivul evaluării externe/ The objective of the external evaluation: **menținerea acreditării domeniului de doctorat/**
maintaining the accreditation of the doctoral field

Perioada vizitei de evaluare/ The evaluation period: **13-14.07.2026**

Comisia de experți evaluatori ai ARACIS/Evaluation panel:

Reprezentantul IÎS/OFE:

Nr./No.	Numele și prenumele/ Last Name and First Name	Calitatea/Team role
2.	Dumitrașcu Dănuț- Dumitru	<i>Membru - Cadru didactic RNE</i>
3.	Cazacu Vitalie	<i>Membru - Evaluator internațional RNE-I</i>
4.	Ciobanu Tamara	<i>Membru - Student doctorand RNE-S</i>

Nr./No.	Numele și prenumele/ Last Name and First Name	Calitatea/Team role
1.		<i>Persoană de contact/Contact person</i>

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
Luni/ <i>Monday</i> , 13.07.2026			
09:00-09:30	Discuții tehnice în cadrul comisiei de experți în evaluarea externă a calității/ <i>Technical discussions within the expert committee for external quality evaluation</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala/Locația/ <i>Room/Location</i> Centrul de Transfer Tehnologic, (CTT), sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i> Membrii comisie / <i>Panel members</i>
09:30-10:20	Întâlnirea comisiei de experți în evaluarea externă a calității cu reprezentanții conducerii componentei organizatorice/ <i>Meeting of the external quality evaluation experts' panel with the representatives of the management of the organisational component</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai conducerii componentei organizatorice aferente domeniului de studii de doctorat evaluat/ <i>Representatives of the management of the organisational component</i> - Persoana de contact/ <i>Contact person</i>	Sala/Locația/ <i>Room/Location</i> Rectorat/ <i>Rectorate</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof.univ.dr.ing.habil. - Responsabil de domeniu de doctorat Inginerie și Management/ <i>Coordinator of the Doctoral Program in Engineering and Management</i> Prof.univ.dr.ing.habil. - Persoană de contact/ <i>Contact person</i> - Prof.univ.dr.habil. - Director CSUD/ <i>Director of CSUD</i> - Prof.univ.dr.habil. - Director SDSI/ <i>Director of SDSI</i>
10:20-10:30	Pauză/ <i>Break</i>		
10:30-11:20	Întâlnirea comisiei de experți evaluatori în evaluarea externă a calității cu echipa care a realizat raportul de evaluare internă (REI)/ <i>Meeting of the external quality evaluation</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Echipa care a realizat REI/ <i>Team that has drafted the IER</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i>

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
	<i>experts' panel with the team that has drafted the internal evaluation report</i>		Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> Prof.univ.dr.ing.habil. - Persoană de contact/ <i>Contact person</i> - Prof.univ.dr.habil. – membru/ <i>member</i> - Prof.univ.dr.habil. -membru/ <i>member</i>
11:20- 11:30	Pauză/ <i>Break</i>		
11:30 12:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu membri ai Comisiei de etică universitară/ <i>Meeting of the experts panel with members of the University Ethics Committee</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Membri ai Comisiei de etică universitară/ <i>Members of the University Ethics Committee</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ Technology Transfer Center, University of Oradea, Room 02 Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof.univ.dr.habil. –Președinte al Comisiei de etică universitară/ <i>President University Ethics Committee</i> - Membru Comisie de etică/ <i>Member University Ethics Committee</i> - Membru Comisie de etică/ <i>Member University Ethics Committee</i>
12:00 12:10	Pauză/ <i>Break</i>		

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
12:10 13:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu reprezentanți ai structurilor organizatorice în domeniul asigurării calității/ <i>Meeting of the external quality evaluation experts' panel with representatives of the quality assurance organisational structures</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai structurilor organizatorice în domeniul asigurării calității/ <i>Representatives of quality assurance organisational structures</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof.univ.dr.habil. Prorector Management calitate și administrativ / <i>Vice Rector for Quality Management and Administration</i> Președinte al comisiei de calitate Facultatea de inginerie Tehnologica si manageriala / <i>President of Quality Assurance in Management Faculty of Technological and Managerial Engineering</i> Conf.univ.dr.ing. –Membru al Comisiei de Calitate -Facultatea de inginerie / <i>Member of Quality Assurance in Management Faculty of Technological and Managerial Engineering</i>
13:00 14:00	Pauză de prânz/ <i>Lunch</i>		
14:00 14:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu personalul didactic implicat în activitățile din cadrul DSUD/ <i>Meeting of the</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i>

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
	<i>external quality evaluation experts' panel with the teaching staff involved in the activities within the DSUD</i>	- Cadre didactice conducători de doctorat/ <i>Teaching staff who are PhD supervisors</i>	Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof.univ.dr.ing.habil. - Responsabil de domeniu de doctorat Inginerie și Management/ <i>Coordinator of the Doctoral Program in Engineering and Management</i> - Prof.univ.dr.habil. – membru/ <i>member</i> - Prof.univ.dr.habil. -membru/ <i>member</i> Prof.univ.dr.ing.habil. -Persoană de contact/ <i>Contact person</i>
14:50 15:00	Pauză/ <i>Break</i>		
15:00 15:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu responsabilii centrelor/laboratoarelor de cercetare / <i>Meeting of the external quality evaluation experts' panel with the staff in charge with the research centres/laboratories</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Responsabilii centrelor/laboratoarelor de cercetare/ <i>Staff in charge with research centres/laboratories</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> Prof.univ.dr.ing.habil. – CTT – UO - Laborator Industry 4.0 (CTT, Universitatea din Oradea)/ <i>Industry 4.0 Laboratory (Technology Transfer Center, University of Oradea)</i>

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			Prof.univ.dr.habil. – Laborator pentru asigurarea menținutei sistemelor tehnice/ <i>Technical Systems Maintenance</i> <i>Assurance Lab</i> Prof.univ.dr.habil. –Laborator pentru asigurarea menținutei sistemelor tehnice/ <i>Technical Systems</i> <i>Maintenance Assurance Lab</i> Prof.univ.dr.habil. – Director SDSI/ <i>Director of SDSI</i> –Laoratoare. Materiale Avansate și Nanotehnologii/ <i>Advanced Materials</i> <i>and Nanotechnology Lab.</i>
15:50 16:00	Pauză/ <i>Break</i>		
16:00 16:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu studenți ¹ doctoranzi din cadrul DSUD/ <i>Meeting of the external quality</i> <i>evaluation experts' panel with doctoral</i> <i>students of the DSUD</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Studenți doctoranzi/ <i>Doctoral</i> <i>students</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer</i> <i>Center, University of Oradea, Room</i> <i>02</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending</i> <i>the meeting:</i> an de studii: I - III, V/ <i>year of study: I - III, V</i>

¹ Nu este obligatorie în cazul autorizării domeniilor de studii universitare de doctorat/ It is not mandatory in the case of authorization of doctoral university study domain.

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
16:50 17:00	Pauză/ <i>Break</i>		
17:00 17:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu angajatori ai absolvenților DSUD/ <i>Meeting of the external quality evaluation experts' panel with employers² of the DSUD alumni</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Angajatori/ <i>Employers</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ Technology Transfer Center, University of Oradea, Room 02 Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Comau Romania - ebm-papst Oradea - ebm-papst Oradea - Plastor S.A. Oradea
17:50 18:00	Pauză/ <i>Break</i>		

² Avoid inviting employers who are also staff of the HEI or members of the Romanian Academy, as applicable.

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
18:00 18:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu absolvenți ^{3,4} ai DSUD/ <i>Meeting of the external quality evaluation experts' panel with alumni⁵ of the DSUD</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Absolvenți ai domeniului de studii evaluat/ <i>Graduates</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> an absolvire: 2025/ <i>year of graduation: 2025</i> 2 – an absolvire: 2022/ <i>year of graduation: 2022</i> an absolvire: 2024/ <i>year of graduation: 2024</i>
Marti/ <i>Tuesday</i>, 14.07.2026			
9:00 - 9:30	Întâlnirea tehnică a comisiei de experți evaluatori (Activitate în colaborare pentru clarificarea aspectelor prezentate în REI)/ <i>Technical meeting of the expert evaluation panel (Collaborative activity for clarifying the</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i>

³ Se va evita invitarea absolvenților care sunt angajați ai ÎÎS sau ai OFE, după caz.

⁴ Nu este obligatorie în cazul autorizării domeniilor de studii universitare de doctorat

⁵ Avoid inviting alumni who are also staff of the HEI or members of the Romanian Academy, as applicable.

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
	<i>aspects presented in the Internal Evaluation Report - IER)</i>		
9:30 - 11:30	Vizitarea bazei materiale/ <i>Visiting the material resources</i> Laborator Industry 4.0 (CTT, Universitatea din Oradea)/ <i>Industry 4.0 Laboratory (Technology Transfer Center, University of Oradea)</i> Sala T011/ Room T011 Laborator pentru asigurarea mentenantei sistemelor tehnice/ <i>Technical Systems Maintenance Assurance Lab</i> - Sala T011 - Laborator pentru asigurarea mentenantei sistemelor tehnice/ <i>Technical Systems Maintenance Assurance Lab</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai instituției sau Academiei Române, după caz/ <i>Representatives of the HEI or the Romanian Academy, as applicable</i>	CTT - UO - Laborator Industry 4.0 (CTT UOradea), Laborator pentru asigurarea mentenanței sistemelor tehnice (T011), CTT - UO - Laborator Fabricație (CTT UOradea), Nanoscience Research Platform - SMARTMAT (V2), Interdisciplinary Research Infrastructure in Robotics - IRIROB Lab (T001), Integrated Sensors and Biosensors Laboratory - ISBL (V2), CTT - UO - Laborator Automatizare și Robotică (CTT UOradea), Laborator Inovare, Laborator Intelbuild, Laborator Productica, Laborator e-commerce
11:30 - 13:20	Finalizarea activităților de evaluare/ <i>Completion of evaluation activities</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i>
13:20 - 13:30	Pauză/ <i>Break</i>		

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
13:30 - 14:20	Întâlnirea membrilor comisiei de experți evaluatori cu reprezentanții conducerii ÎÎS sau a OFE, după caz și ai conducerii componentei organizatorice pentru comunicarea concluziilor procesului de evaluare/ <i>Meeting of the members of the expert evaluators' panel with representatives of the management of the HEI or the EP, as applicable, and management of the organisational component, to communicate the conclusions of the evaluation process</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai conducerii și ai domeniului de studii evaluat/ <i>Representatives of the management</i> - Persoana de contact/ <i>Contact person</i>	Sala/Locația/ <i>Room/Location</i> CTT, sala 02/ <i>Technology Transfer Center, University of Oradea, Room 02</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof.univ.dr.ing.habil. - Responsabil de domeniu de doctorat Inginerie și Management/ <i>Coordinator of the Doctoral Program in Engineering and Management</i> - Prof.univ.dr.habil. membru/ <i>member</i> - Prof.univ.dr.habil. membru/ <i>member</i> Persoană de contact/ <i>Contact person</i>

If deemed necessary, and depending on the type of doctoral program being evaluated, additional meetings may also take place, for example with representatives of:

- departments providing IT support, for instance regarding the organization of online activities
- departments for international relations and student mobility
- the Counseling and Career Guidance Center, etc.