HOTĂRÂRE

privind validarea rezultatelor procedurilor de evaluare externă a calității educației

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

- **evaluarea externă a calităţii şi validarea rezultatelor cuprinse în Rapoartele de evaluare externă:** art. 223-226, art. 229-230 şi art. 249 alin. (1) lit. f), g) şi h) din Legea nr. 199/2023 a învățământului superior nr. 199/2023, cu modificările şi completările ulterioare, denumită în continuare Legea, precum şi în Metodologia de evaluare externă a calității educației în învățământul superior, aprobată prin Hotărârea Guvernului nr. 962/2024, cu modificările şi completările ulterioare, denumită în continuare Metodologia;

- **autorizarea** de funcţionare provizorie **pentru programele de studii universitare din ciclul I de licenţă:** art. 235 alin. (1) lit. a) şi lit. b) pct. (ii), alin. (2)-(5) şi art. 236 alin. (1)-(2) din Lege;

art. 27, art. 29 şi art. 32-33, coroborate cu art. 59, art. 62 şi art. 63 din Metodologie;

- **autorizarea pentru domeniile de studii universitare din ciclul II de masterat:** art. 235 alin. (1) lit. a) şi lit. b) pct. (iii), alin. (2)-(5) şi art. 236 alin. (1)-(2) din Lege; art. 27-29 şi art. 34-35, coroborate cu art. 59, art. 62 şi 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) şi art. 236 alin. (1) şi (3) din Lege; art. 27-29 şi art. 37-38, coroborate cu art. 59, art. 62 şi art. 63 din Metodologie;

- **acreditarea pentru programele de studii universitare din ciclul I de licenţă:** art. 239 alin. (1) lit. b) şi alin. (6)-(7), art. 240 alin. (1) din Lege; art. 39-40 şi art. 42, coroborate cu art. 60, art. 62 şi art. 63 din Metodologie;

- **acreditarea pentru domeniile de studii universitare din ciclul II de masterat:** art. 239 alin. (3) şi alin. (6)-(7), art. 240 alin. (1) din Lege; art. 39-40 şi art. 43-44, coroborate cu art. 60, art. 62 şi art. 63 din Metodologie;

- **acreditarea pentru domeniile de studii universitare din ciclul III de doctorat:** art. 239 alin. (4) şi alin. (6)-(7), art. 240 alin. (2) din Lege; art. 39-40 şi art. 46-47, coroborate cu art. 60, art. 62 şi art. 63 din Metodologie;

- **analiza şi validarea în vederea verificării respectării Metodologiei, de către comisiile de experţi evaluatori în cadrul rapoartelor de evaluare externă:** art. 235 alin. (4), pentru autorizare, respectiv art. 239 alin. (6) lit. d), pentru acreditare şi menținerea acreditării, din Lege, precum şi 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 şi 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 şi pe baza verificării respectării Metodologiei, propunerile formulate de către comisiile de experți evaluatori şi poate solicita refacerea Rapoartelor de evaluare externă atunci când constată că Metodologia nu a fost respectată ori respectivele rapoarte nu cuprind suficiente date şi dovezi pentru adoptarea deciziei,

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

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

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

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 şi de doctorat, precum şi pentru programul universitar de formare psihopedagogică pentru învăţământul preuniversitar, după caz, cuprinse în anexele nr. 1-23 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) şi alin.(3) lit. b), c) şi d), art. 231 lit. a) şi b), art. 232 lit. c), d) şi 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 şi considerentele analizei de validitate şi concluzia motivată a Consiliului.

(3) Rezultatele prevăzute la alin. (1) se comunică Ministerului Educației şi Cercetării şi instituțiilor solicitante şi 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 şi 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 şi ale art. 62 alin. (3) din Metodologie.

Art. 4. Prezenta hotărâre intră în vigoare la data de 22.10.2026.

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

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

Daniela Cristina GHIȚULICĂ
Director general

Carmen MIRIAN
Director Direcţia Asigurarea Calităţii

Cristina-Vasilica ICOCIU
Director Direcția Juridică, Cooperare, Comunicare şi Formare

Consilier juridic

NR. 318/H/22.10.2026

ANEXA NR. 13
la Hotărârea Consiliului ARACIS nr. 318/H/22.10.2026

Anexa 13.4

DATE DE IDENTIFICARE	
Instituţia de învăţământ superior/organizaţia furnizoare de educaţie	Universitatea din Oradea
Şcoala(ile) doctorală(e)	Științe Inginerești
Domeniul de studii universitare de doctorat (DSUD)	*Inginerie industrială*
Procedura/procesul de evaluare externă a calităţii educaţiei	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 02.10.2026, propunerea de decizie fiind consemnată în PV nr. 5028/ 02.10.2026. Propunerea de decizie a fost analizată de către Departamentul de evaluare Studii Universitare (DESU), opinia DESU fiind consemnată în PV nr. 5321/ 20.10.2026.

Gradul de îndeplinire a standardelor şi indicatorilor de performanţă şi motivarea deciziei

Domeniul	Standarde Î / N	Indicatori de performanţă 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 22.10.2026 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	Menţinerea 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:	Engineering Sciences
Doctoral Domain:	Industrial Engineering
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.	Prof. univ. dr. ing. OANCEA Gheorghe	Expert evaluator	
2.	Prof. univ. dr. ing. TOPALA Pavel Alexei	International Expert	
3.	PhD Student ANDRON Flavia Călina	PhD Student Evaluator	

I. Introduction

The context in which the external evaluation report was drafted (the type of evaluation, the period covered by the evaluation, membership of the external quality experts' panel, etc.);

The objective of the external evaluation visit was the periodic evaluation of the Field of Doctoral Studies (DSUD) *Industrial Engineering* (DSUD-II) within IOSUD at the University of Oradea (UO) in order *to maintain accreditation*. The evaluation visit took place on 16–17 September 2026. Composition of the committee that conducted the external evaluation visit was as follows:

- Prof. univ. dr. ing. OANCEA Gheorghe – Expert evaluator
- Prof. univ. dr. ing. TOPALA Pavel Alexei – International Expert
- PhD Student ANDRON Flavia Călina – PhD Student Evaluator

Description of the higher education institution / Romanian Academy (establishment, evolution, mission, governance, structure, study programmes/domains, external quality evaluation procedures applied);

The University of Oradea (UO) is a higher education institution established in 1963 under the name *of the Pedagogical Institute of Oradea*, which worked under this name until 1976, when the name was changed to *the Institute of Higher Education of Oradea*, and since 1983 it has been transformed into *the Institute of Subengineers of Oradea.* In May 1990, by Decision of the Romanian Government, the Technical University of Oradea was established, renamed in March 1991 to University of Oradea.

Currently, within the OU, the following structures are: (a) educational structures: 15 faculties with 47 teaching departments, IOSUD with 7 doctoral schools, an ID-IFR department, a DPPD department and a CEC-DRU center for postgraduate study programs; (b) study programs: 102 bachelor's degrees, 68 master's degrees and 23 doctoral fields; (c) research entities: "National Center for Geothermal Research" and "Fruit Research and Development Station", 23 research centers institutionally certified within the faculties, of which one center under the aegis of the Romanian Academy.

Furthermore, as of 1 October 2025, the UO employed 887 tenured academic staff members: 136 professors, 263 associate professors, 362 lecturers/senior lecturers, and 126 assistant professors. They were involved in educational activities for 23,075 beneficiaries of educational services, including 13,435 undergraduate students, 3,220 master's students, 596 PhD students, and 5,852 beneficiaries of other types of educational programmes.

The mission assumed by the UO is presented in the University Charter, stated in Article 10, and is one of education and advanced research, involving the organization of teaching, learning and evaluation activities, as well as scientific research activities, with an impact on the development of knowledge and economic and technological progress at national and international level. The evaluation of the fulfillment of the mission of the University of Oradea is carried out on the basis of international criteria and indicators, having academic relevance at national and international level.

The UO is periodically evaluated by ARACIS, from an institutional point of view, currently having the qualification " High Degree of Confidence" awarded in October 2024.

IOSUD-UO organizes doctoral studies in seven Doctoral Schools (SD) to which a total of 25 doctoral fields are affiliated, one of which is currently being phased out. The mission of IOSUD-UO is to promote excellence in doctoral education and advanced research by providing a high-quality, sustainable and innovative academic environment that supports the development of highly qualified specialists capable of contributing to scientific, economic and social progress.

One of the seven Doctoral Schools (SD) is the Engineering Sciences School that operates within IOSUD-UO, under this name, starting with the academic year 2011-2012 (HS no. 170 of 12.09.2011-Annex 11, according to ROFSUD, art.6, paragraph (3) – ROFSUD, art.7, paragraph (2)) Annex 1, having in structure eight doctoral fields: Agronomy, Electrical Engineering, Electronic Engineering, Telecommunications and Information Technologies, Energy Engineering, Industrial Engineering, Engineering and Management, Mathematics, Computers and Information Technology.

The mission of the Doctoral School of Engineering Sciences(SD-SI) is "to generate and transfer knowledge to society, through: (1) academic training, at the highest level of performance, of the doctoral student in order to satisfy his need for intellectual, professional and social development, but also the need

for specialized workforce of society; (2) promoting excellence in the processes of scientific research, development, innovation and knowledge transfer to the Romanian society, thus responding to its need for progress".

General description of the doctoral study domain (why it was established - in the case of a provisional authorisation to operate; evolution and/or changes since the last external quality evaluation procedure - in the case of procedures intended for accreditation or maintaining accreditation, as applicable).

DSUD-II was established in 1994, following the approval of doctoral studies in the branch of technical science (OM 5363/1994). Currently, DSUD-II has 8 PhD supervisors who coordinate a number of 23 PhD students. Furthermore, since 2021, 16 PhD students have publicly defended their doctoral theses; 11 have been awarded the scientific title of Doctor, while 5 doctoral theses are currently under evaluation by CNATDCU.

DSUD-II, organized within SD-SI, has as its mission "to advance scientific knowledge and research in the field of engineering and industrial technologies, by training high-level researchers, capable of generating original contributions, promoting technological innovation and responding to the needs of contemporary society and industry. The field aims to train specialists with advanced skills in the design, development, optimization and evaluation of complex industrial processes and systems, capable of supporting scientific, economic and social progress at regional, national and international level".

DSUD – II within SD-SI, IOSUD – UO, was previously evaluated in 2021 and operates based on the ARACIS Council Decision of 28.12.2021 which awarded the qualification Maintenance of accreditation.

II. Methods used

Analysed documents (internal evaluation report and its annexes; additional documents requested before and during the on-site visit, if any; other documents or data);

- The documents analyzed by the external evaluation committee were:
- Internal Evaluation Report (REI) prepared by a team appointed in IOSUD-UO;
- Annexes of the REI:
- Annex 1 - Regulation on the organization and conduct of doctoral studies within IOSUD-UO;
- Annex 2 - Curriculum for the academic year 2025-2026;
- Annex 3 - The sheets with the CNATDCU minimum standards in force for each PhD supervisor;
- Annex 3a - The sheets with the CNATDCU minimum standards, which enter into force starting with the academic year 2026-2027, for each PhD supervisor;
- Annex 4 - Ministerial Orders certifying the quality of PhD supervisor/habilitation for all PhD supervisors in the field;
- Annex 5 - CVs of PhD supervisors in the field;
- Annex 6 - Lists of works of PhD supervisors in the field;
- Annex 7 - Papers published by PhD students or graduates in the period 2021-2025;
- Annex 8 - Centralizing table of activity for 5 years 2021-2025;
- Annex 9 - Table with teachers' rooms for tutoring activities;
- Annex 10 - List of research centers;
- Annex 11 - Supporting documents for CSD meetings;
- Annex 12 - List of educational spaces in the field of doctoral studies;
- Annex 13 - Proof of tenure for PhD supervisors in the field;
- Annex 14 - Subject sheets organized within the University-based Training Program;
- Annex 15 - Soft Antiplagiat;
- Annex 16 - CVs of the professors who teach at the doctoral program;
- Annex 17 - Partnership agreements;
- Annex 18 - Research, institutional development or human resources grants in the field evaluated in the period 2021-2025;
- Annex 19 - Co-guardianship agreement. Steering committees.

On-site visit (general list of visited locations and categories of persons with whom debates have been organised);

The following locations were visited within the OU:

- Nanoscience Research Platform- SMARTMAT (V2);
- Interdisciplinary Research Infrastructure "Productica" (T001);
- Innovation in Engineering Sciences Laboratory (V2);
- Integrated Manufacturing Laboratory (T013);
- Industry 4.0 Laboratory (Technology Transfer Center of the University of Oradea);
- Automation and Robotics Laboratory (Technology Transfer Center of the University of Oradea);
- Hybrid Manufacturing Laboratory (Technology Transfer Center of the University of Oradea);
- Bihor Science and Technology Park;
- UO Library;
- IOSUD-UO Secretariat.

Following the analysis of the REI, the external evaluation committee found that the curriculum presented in one of the annexes did not include a section on learning outcomes, and the annex containing the course outlines did not include all the course outlines corresponding to the courses listed in the curriculum.

Other relevant methods or aspects.
In order to solve the above, following discussions with the contact person, the REI was completed with the following additional annexes:
Annex 1C – Curriculum;
Annex 2C – Courses outlines;

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.

✓ Presentation of the state of facts, supported by documents and data

The UO operates on the basis of the University Charter and has an organizational structure defined by an organizational chart developed by the Administrative Council and approved by the University Senate, as well as by the application of internal regulations and other regulations specific to the development of activities. IOSUD – UO and SD – SI, the academic structures that organize the studies for DSUD-II, have their own management structures, respectively the Council for Doctoral Studies (CSUD) and the Council of the Doctoral School of Engineering Sciences (CSDSI). The activity within IOSUD – UO is carried out based on the regulations and methodologies specific to the organization and conduct of doctoral studies, which are developed and periodically reviewed in accordance with the provisions of the legislation in force. SD-SI also operates on the basis of a specific regulation that is developed in accordance with the current legislation.

✓ Analysis of the state of facts

UO and IOSUD-UO have a functional management system that supports the development of activities related to doctoral studies, through the elaboration and periodic updating of specific institutional

documents. SD-SI has an organizational structure and internal regulations appropriate to the conduct of doctoral studies for DSUD-II. The aspects presented above were confirmed during the on-site visit.

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.

✓ Presentation of the state of facts, supported by documents and data

The OU has a participatory governance system, ensuring the involvement of stakeholders in the process of developing, adopting and reviewing internal methodologies, regulations and procedures. The university's regulations and methodologies, including those at the level of IOSUD and SD-SI, are periodically reviewed based on the opinions of teachers, administrative staff, students and other actors interested in the processes carried out within the institution. The consultation mechanisms include: student representation in the CSUD, CSDSI, Senate, Faculty Councils, Academic Council, specialized commissions and councils; meetings with students, teachers and administrative staff, consultations with employers and representatives of the socio-economic environment on the adaptation of the offer to the requirements of the labor market and collaboration with student organizations in decision-making processes.

✓ Analysis of the state of facts

Following the analysis of the documents and the conduct of the external evaluation visit, it was found that the procedures and methodologies of the university, including those referring to doctoral studies, are periodically reviewed based on consultations with teachers, students and other stakeholders. PhD students and the socio-economic environment, through their representations in CSUD and CSD-SI, are involved in decision-making at the level of the doctoral school and/or IOSUD. The partnerships with the socio-economic environment also ensure the integration of labour market requirements in the development of studies at doctoral level.

✓ Aspects that constitute best practice examples

- Existing collaborations with the socio-economic environment in the Oradea area including doctoral-level research topics addressed in partnership with industrial companies.

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, PhD 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.

✓ Presentation of the state of facts, supported by documents and data

UO is the owner of the spaces for teaching, scientific research, administrative and student services. The UO library has an area of 7,800 sqm and includes 5 reading rooms, 12 individual study cabinets and a conference room. It has a collection of 382,918 bibliographic units and allows access to international databases through the Anelis Plus project: ScienceDirect Journals; SpringerLink Journals; ProQuest Central; Cambridge Journals; Scopus and Clarivate. The university also offers a modern sports base with

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

7 sports halls (polyvalent, fitness, athletics, gymnastics, shooting range) and 10 sports fields for football, volleyball, tennis, basketball, handball and athletics. Accommodation is provided in 6 student dormitories, with a total capacity of 1,835 places, most of which are located on the Central Campus. In order to carry out research activities at the level of doctoral studies, within the faculties and SD-SI there are a number of 20 research laboratories registered on the ERRIS platform and their own research laboratories internally certified at the level of IOSUD - UO in the fundamental field of Engineering Sciences, some of which are directly addressed to DSUD-II (Research Center in Integrated Engineering and Advanced Technologies – CCIITA - Research 10_Centrul Annex, Advanced Materials Research Infrastructure – SMARTMAT, Hybrid Manufacturing Laboratory, Interdisciplinary Research Infrastructure in Mechatronics And Intelbuild, Research Center for Information Technology, Electronics and Automation, Interdisciplinary Research Infrastructure in Robotics - Irirob Lab etc.) For the activities carried out within the Programme based on Advanced University Studies (PPUA) there are appropriate spaces (Annex 12), and for the tutoring activities, separate spaces are allocated (Annex 9). Also, during the on-site evaluation visit, the existence of facilities for people with disabilities was found, including access ramps, elevators and toilets adapted accordingly.

✓ Analysis of the state of facts

Following the on-site visit, it was found that, in order to carry out the activities at DSUD-II, the institution has an advanced educational and research infrastructure, consisting of teaching rooms, laboratories and research centers as well as spaces for the guidance of PhD students. All spaces are equipped with technical and digital infrastructure corresponding to the teaching-learning-assessment and research processes. The library offers adequate conditions for individual study, providing PhD students with reading rooms, spaces dedicated to individual study and access to learning resources in both classic and digital format, corresponding to the scientific research programs within doctoral studies in the field of Industrial Engineering. The facilities available for PhD students are adequate for carrying out the activity within DSUD-II, with the possibility of addressing highly topical topics in the field of Industrial Engineering. The teaching staff, PhD supervisors, and administrative staff also have access to appropriate spaces for carrying out their activities, while persons with disabilities are provided with the necessary conditions to access facilities and participate in academic activities.

✓ Aspects that constitute best practice examples

- Implementation of projects in partnership with the Bihor County and Oradea municipal authorities, aimed at developing the infrastructure of UO, including advanced research infrastructure.

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.

✓ Presentation of the state of facts, supported by documents and data

The UO maintains the teaching, research and administrative facilities through interventions carried out under an annual maintenance and rehabilitation program that consists of repair, cleaning, and refurbishment activities. The infrastructure is functional and adapted to the specific requirements of the fundamental field of Engineering Sciences and DSUD -II.

✓ Analysis of the state of facts

The OU ensures the proper administration and maintenance of the real estate assets and movable assets related to the activities carried out within the DSUD-II, providing appropriate conditions for study, research, professional activities, and academic life.

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.

✓ Presentation of the state of facts, supported by documents and data

Within DSUD-II of SD-SI, academic staff with the qualifications and competencies required to coordinate and carry out activities specific to doctoral university studies are involved in the PhD programme (Annex 5, Annex 6). Of the total of 8 PhD supervisors in the field of Industrial Engineering, 6 (75%) meet the minimum standards for obtaining the habilitation certificate (Annex 3). All PhD supervisors hold the habilitation certificate or have been recognized as PhD supervisors (Annex 4), having the quality of tenured professors in UO (5) or associate professors (3, Annex 13). The teaching activities within the training program based on advanced university studies, related to DSUD-II (Annex 14), are carried out by PhD supervisors, as well as by professors and associate professors with recognized skills and expertise in the fields of the subjects they teach.

✓ Analysis of the state of facts

The 8 PhD supervisors involved in the coordination of PhD students enrolled in DSUD – II, have the necessary qualifications and skills to carry out activities specific to doctoral studies. Also, the teaching staff who carry out the activities within the PPUA have expertise in the fields of the disciplines taught, and the auxiliary teaching staff has the necessary qualifications to provide support in carrying out research activities.

The indicator is: fulfilled.

Indicator I.P.A.3.1.2	The HEI ensures professional and personal development for its staff.

✓ Presentation of the state of facts, supported by documents and data

UO supports the professional and personal development of the staff involved in DSUD-II through continuous training programs (InnoScience - Career Counseling for UO researchers or through EU Green institutional projects), international mobilities (Erasmus+, EU Green, bilateral agreements), support for the development of the academic career, including in order to obtain the habilitation certificate, as well as participation in national and international conferences, workshops and scientific events, financed by institutional funds, projects and grants (Annexes 3, 5, 6 and 8).

✓ Analysis of the state of facts

UO has mechanisms for the professional development of academic staff, through access to continuing education programs, international mobilities and career development opportunities. Participation in scientific activities and support for obtaining habilitation contributes to strengthening teaching and research skills, as well as increasing academic visibility and performance at DSUD-II level.

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.

✓ Presentation of the state of facts, supported by documents and data

The UO organizes competitions for the occupation of vacant teaching and research positions, both on a permanent basis and, in the case of assistant professor positions, on a fixed-term basis, in compliance with the applicable legislation and its own regulations. The competitions for permanent positions are organized after their publication in the Official Gazette of Romania, in accordance with its own methodology, and those for the positions of university assistant are held according to the specific regulation. All the positions put

out for competition are included in the statements of functions of the departments and published on the Teaching Positions Competitions website, ensuring the transparency of the process and equal opportunities for all candidates. The obtaining of the habilitation certificate is regulated by the Regulation on the organization and conduct of the process of obtaining the habilitation certificate at IOSUD - University of Oradea (Annex 4), and the affiliation of new PhD supervisors to SD-SI, as well as regulations regarding the way in which a PhD supervisor can be withdrawn from the DS membership are regulated in the Regulation on the granting/revocation of the SD membership (Annex 16).

✓ Analysis of the state of facts

Clear and transparent procedures are applied within the OU for the recruitment of teaching and research staff, in accordance with national legislation and institutional regulations. The publication of vacancies and the organization of competitions in transparent conditions ensure compliance with the principles of equal opportunities. Also, the existence of specific regulations on obtaining the habilitation certificate, affiliation and revocation of the quality of PhD supervisor demonstrates the existence of a well-defined regulatory framework for the management of human resources within the doctoral school, contributing to the maintenance of quality standards and the development of DSUD-II.

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.

✓ Presentation of the state of facts, supported by documents and data

UO aims to digitalize its educational and research processes through the implementation of the Digitalization Strategy 2022–2027. It aims to modernize the digital infrastructure, digitalize institutional processes and develop the digital skills of students and teaching, auxiliary teaching and research staff. During the visit, it was found that the institution uses an integrated IT infrastructure for the management of educational, research and administrative activities. Among the main platforms are UNIWEB/StudInfo, for the management of the educational process and students (including PhD students), Moodle, integrated with Microsoft 365 and MS Teams for online teaching and research activities, as well as dedicated applications for human resources (EMSYS), library (Softlink Liberty5), communication and collaboration (Microsoft 365, Zimbra, Nextcloud). The academic community also benefits from access to specialized software resources (Microsoft, Amazon, Oracle and MATLAB). The UNIWEB platform ensures the management of admission, enrolment, monitoring of the academic path, registration fees and generation of statistical reports for PhD students, significantly contributing to the digitization of the management of doctoral studies.

✓ Analysis of the state of facts

The teaching, research and support activities carried out within DSUD-II are supported by a modern infrastructure and high-performance IT systems/tools, accessible to both students and PhD supervisors, teaching and administrative staff. Students benefit from institutional e-mail accounts for official communication, and lecture halls, research laboratories, guidance rooms and teaching staff offices are equipped with internet access, facilitating the conduct of academic and research activities under conditions appropriate to doctoral studies.

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.

✓ Presentation of the state of facts, supported by documents and data

IOSUD – UO carries out specific activities according to the Regulation for the organization and conduct of doctoral studies (Annex 1), doctoral studies in the field of Industrial Engineering are carried out based on a curricula (Annex 2, Annex 1C – Curriculum) which is drawn up according to the provisions of the *Operational Procedure for the elaboration and approval of curricula* (SEAQ-PO-PrMA-01). The curriculum is structured based on the expected learning outcomes, has ECTS (240) and contains a program based on advanced university studies (PPUA – 60 ECTS) and a scientific research program (PCS-180 ECTS). It also provides for the Evaluation and defence of the thesis before the Academic Guidance and Integrity Commission (after the accumulation of the 240 ECTS) and the defence of the doctoral thesis. The PPUA contains three compulsory subjects (Methodology of scientific research in the field of Engineering Sciences, Ethics and academic integrity in the field of Engineering Sciences, Artificial Intelligence in Engineering), packages of optional subjects specific to the field *of Industrial Engineering* (Annex 2C - Courses outlines), presentation of the scientific research project and dissemination activities. The PCS consists of 3 scientific progress reports and activities for the dissemination of research results. The doctoral study program for DSUD-II is developed and structured in relation to the expected learning outcomes correlated with the specific competencies of the doctoral degree. They are presented, for the entire cycle of studies, in the curriculum (Annex 1C – Curriculum). According to OM no. 3020/2024 (art. 12, para. 21) and the IOSUD Regulation (art. 36), for addressing interdisciplinary topics, within the limit of 10 ECTS, the curriculum allows PhD students to choose flexible learning/research paths by selecting optional courses from the first semester, based on ECTS. For the second semester and the following years of studies (II-IV) the elaboration of a scientific research project and scientific progress reports are planned, depending on the doctoral theme.

✓ Analysis of the state of facts

The doctoral studies within the SD-SI, for DSUD-II, are organized on the basis of the learning outcomes and the specific competences of the doctoral qualification. The curriculum includes an Advanced University Preparation Program (1 year, 60 ECTS) and a Scientific Research Program (3 years, 180 ECTS), which together contribute to the formation of research and professional skills. The structure of the curriculum offers a flexible path, through the possibility of choosing optional courses based on the transferable credit system and the elaboration of progress reports according to the topic, facilitating the personalization of the training of PhD students according to their own interests and research directions.

✓ Recommendations

- Periodic updating of the curriculum and courses outlines taking into account the recommendations received from stakeholders (students, graduates, leaders and industrial companies).
- Completion of the format of the curriculum with the way of evaluating students in the subjects provided for in the plan, summative evaluations of exam/verification type.

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

* 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.

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

✓ Presentation of the state of facts, supported by documents and data

For DSUD Industrial Engineering, the intended learning outcomes, presented in the curriculum (Annex 1C – Curriculum), are correlated with the professional and transversal competences that lead to the finality of doctoral studies (development of competent human resources in carrying out scientific research, capable of insertion into the highly qualified labor market). According to the curriculum (Annex 1C – Curriculum), within the limit of at least 10 ECTS (what exceeds 10 ECTS will be additional, above the 60ECTS of the first year of studies), depending on the topic, PhD students, in consultation with the doctoral coordinator, choose optional courses that allow them to obtain learning results specific to the topic addressed, including by completing some disciplines within research master's degree study programmes (according to OM no. 3020/2024, art. 12, para. 21 and IOSUD Regulation, art. 36).

✓ Analysis of the state of facts

The learning outcomes defined for DSUD-II and presented in the curriculum are correlated with the competences specific to the level 8 qualification of the European Qualifications Framework and the National Qualifications Framework, ensuring the approach of interdisciplinary topics and the formation of advanced research, innovation and professional development competences specific to doctoral studies.

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.

✓ Presentation of the state of facts, supported by documents and data

Throughout the doctoral studies, SD-SI provides PhD students with continuous support through the doctoral field coordinators, the secretariat, and PhD supervisors, who provide individualized counselling and tutoring. PhD students have access to the research infrastructure of UO's research centres, the library and other information and documentation resources, international databases and digitized collections, as well as support in identifying international mobility opportunities and, if necessary, career counselling and guidance, through the Center for Career Counseling and Services. The equipment available in the teaching rooms/laboratories and research centers corresponds to the mission and objectives assumed for DSUD-II and to the specificity of the disciplines and research reports established in the individual doctoral training plan. Professors/PhD supervisors communicate with students in order to make efficient use of learning resources but also to clarify their expectations regarding the expected results of research specific to the topic of the doctoral thesis.

✓ Analysis of the state of facts

The teaching and research process at doctoral level is carried out in accordance with the principles of student-centered learning, emphasizing the academic partnership between the student and the PhD supervisor/academic integrity and guidance committee. Active learning is supported by various strategies, methods and techniques for empowering students, including summative assessments and the efficient use of time allocated to teaching, research, individual study and assessment activities.

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.

✓ Presentation of the state of facts, supported by documents and data

UO through IOSUD and SD-SI, for all doctoral fields, in particular and for DSUD-II, provides PhD students with opportunities to participate in national and international academic mobility, both in physical and virtual format. An example of this is the participation of the PhD students in the *Blended Intensive Programme (BIP)* within the EUGREEN initiative, an international program developed in collaboration with four partner universities from Ireland, Portugal, Sweden and France. At the same time, through the Erasmus+ Program and the UO's academic cooperation agreements, PhD students have access to study and research mobilities, internships, conferences and other international activities, which contribute to the development of research skills, the expansion of academic collaborations and the increase of the international visibility of the doctoral program. In addition, PhD students benefit from extended mobility opportunities through the collaboration protocol between the University of Oradea and the University of Alicante (Spain), which allows the development of PhDs in international co-supervision and the obtaining of a double diploma degree. The partnership facilitates research internships at the partner university within the PhD program, with positive effects on increasing the quality of doctoral training and the international visibility of DSUD-II.

✓ Analysis of the state of facts

Within the UO, the Erasmus+ mobility projects and the collaborations developed through the EUGREEN alliance offer academic staff and PhD students' opportunities for cooperation with partner universities, including in the field of Industrial Engineering. By carrying out the mobilities, both in physical and virtual format, research skills are developed and the exchange of good practices and the quality of the scientific activities carried out within the doctoral studies are increased. The PhD students in the field of Industrial Engineering have also the opportunity to carry out study and research internships abroad, by accessing the mobility offers made available by the UO.

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

✓ Presentation of the state of facts, supported by documents and data

IOSUD-UO ensures, for DSUD-II, an inclusive and equitable academic environment, offering all PhD students equal opportunities for professional and personal development. The organization of doctoral studies allows the customization of the study/research path, by choosing the PhD supervisor, the research topic, the optional courses within the PPUA and equal access to educational and research resources, according to the individual interests and objectives of the PhD student. UO promotes gender equality, inclusion and equal opportunities in academic and research activity, in accordance with the Institutional Plan on Ensuring Gender Equality. The institution also supports the observance of the principles of ethics and academic integrity, ensuring equitable access to research infrastructure and resources (laboratories, databases, grants and mobilities), based on performance criteria and scientific relevance. The university continuously monitors inclusion measures and adapts the infrastructure and digital resources to guarantee the full participation of all PhD students in the research activity. Through these measures, a favorable framework is created at the SD-SI level for the development of skills and the capitalization of the potential of each PhD student, in line with their academic and professional objectives.

✓ Analysis of the state of facts

The UO promotes the principles of equal opportunities and non-discrimination, providing PhD students with academic counselling and administrative support, as well as transparent access to scholarships, mobility opportunities, research infrastructure, and scientific events. It also provides continuous counselling through PhD supervisors/advisory and academic integrity committees and promotes diverse learning styles, through the teaching/practical activities carried out by the teaching staff in each course included in PPUA.

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.

✓ Presentation of the state of facts, supported by documents and data

UO pays special attention to the inclusion and support of students with adaptation, learning difficulties or disabilities, through specific regulations on accommodation and scholarships, as well as through dedicated services. Within the institution there is an Office for students with visual disabilities or blindness, established in collaboration with the Travelling Book Foundation and Orange, which offers adapted teaching materials, including in Braille format. Also, a Laboratory for people with disabilities provides assistive technologies and specialized equipment (accessibility software, voice synthesizers, Braille equipment, electronic magnifiers and other devices), ensuring equal access to the educational process and facilitating the active participation of students in academic activities. At the level of SD-SI, an inclusive academic environment is promoted, oriented towards equal opportunities and equitable access to training and research opportunities for all PhD students, regardless of personal, social or economic particularities. To this end, SD-SI implements a series of institutional measures and mechanisms aimed at supporting academic progress, professional development and active participation of PhD students in teaching and research activities. These include: Equal access to educational and research resources (PhD students benefit from open access to research infrastructure, modern laboratories, scientific databases and digital libraries), transparency in the admission and evaluation process (admission is based on a Regulation specific and transparent, applicable to all candidates, and regular assessments of PhD students' progress are based on objective criteria) and financial support and mobilities for all PhD students (access to national and international mobilities - Erasmus+, EU GREEN - is ensured through competency-based selection).

✓ Analysis of the state of facts

IOSUD – UO and SD-SI ensure that all PhD students in the field of Industrial Engineering, including those with special educational needs or disabilities, have equal access to the resources and services necessary to carry out teaching, learning, assessment and scientific research activities under normal conditions. This approach reflects the institution's commitment to promoting inclusion, equal opportunities and accessibility within doctoral studies.

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.

✓ Presentation of the state of facts, supported by documents and data

The learning outcomes are presented in the curriculum (Annex 1C – Curriculum) and distributed by courses, these are also found in the courses outline within the PPUA, based on which the contents are established by the academic staff who support the teaching or application activities (Annex 2C – Courses outlines). They are formulated in the form of knowledge, skills, responsibility and autonomy and reflect what a graduate (PhD) of DSUD – II knows, understands and is capable of doing, for the entire cycle of studies.

✓ Analysis of the state of facts

The learning outcomes are described in the curriculum in the form of the knowledge, skills, responsibility and autonomy acquired by the graduator, reflecting what he/she knows, understands and is able to achieve

at the end of the doctoral studies. These results are formulated for the entire cycle of studies, some of them being evaluated within the disciplines included in the Advanced University Preparation Program (PPUA).

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.

✓ Presentation of the state of facts, supported by documents and data

The verification of the acquisition of learning outcomes is carried out by the academic staff involved in the teaching activities of the first semester of the first year, through formative and summative evaluations. The continuous assessments include tests, reports, presentations and other activities carried out during the semester, which allow the monitoring of the progress of the PhD students. At the end of the semester, the learning results are evaluated through verifications/colloquia and exams. The assessments are provided in the courses outline (Annex 2C - Courses outlines) and are carried out in accordance with the Regulation on the organization and conduct of doctoral studies within IOSUD UO and an Operational Procedure on the evaluation of PhD students. It is also on the basis of these documents that the assessments of the Scientific Research Program is carried out, as well as the Reports for the presentation of progress in scientific research, which are evaluated with grades (very good, good, satisfactory, unsatisfactory).

✓ Analysis of the state of facts

Within DSUD-II, the achievement of learning outcomes is verified through continuous assessments, which allow the progress of PhD students to be monitored, and, where appropriate, through summative assessments. Both types of assessment are specified in the course outlines and are carried out in accordance with the provisions of the regulations applicable at the level of IOSUD-UO and SD-SI. Progress reports are evaluated by the Academic Integrity and Guidance Committee, with the possibility of inviting specialists in the field of the doctoral research topic. The doctoral studies are completed through the preparation and public defence of the doctoral thesis, in accordance with the IOSUD-UO regulations and the legislation in force.

✓ Recommendations

- Provide more detailed information in the course outlines on the continuous assessments carried out throughout the delivery of the courses included in the PPUA.

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 facts, supported by documents and data

At the level of IOSUD - UO, admission to doctoral studies is regulated by the Methodology for organizing and conducting the admission competition, approved by the University Senate Decision no. 26.03.2026 and available on the IOSUD website. Each Doctoral School, including SD-SI, also applies its own admission methodologies, approved by CSUD and published on the IOSUD website. The framework methodology also includes specific provisions regarding the admission and enrolment of Romanians living abroad and foreign citizens, and ensures a unified, transparent, and accessible framework for all categories of applicants.

✓ Analysis of the state of facts

IOSUD-UO and SD-SI apply the approved admission procedures for DSUD-II, ensuring transparency and fairness throughout the process. The admission topics, bibliography, admission committees, requirements, and dates are published annually on the IOSUD-UO website.

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.

✓ Presentation of the state of facts, supported by documents and data

In accordance with the Methodology for admission to doctoral studies of IOSUD – University of Oradea, admission is carried out on the basis of transparent criteria, based on the principles of equity and equal opportunities. The evaluation of candidates is carried out based on previous professional performance (articles, studies mentioned in the CV), the quality of the PhD research project (scientific context, objectives, methodology and estimated results) and the presentation of the project at the admission colloquium. Each member of the commission awards marks for the evaluation criteria, and the final admission average is established as an average of the grades awarded by the members of the committee.

✓ Analysis of the state of facts

IOSUD-UO and SD-SI apply the approved admission procedures and methodology for the doctoral study field of Industrial Engineering, ensuring that the admission process is conducted under conditions of transparency, fairness, and equal opportunities for all candidates.

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 facts, supported by documents and data

IOSUD-UO and SD-SI apply the regulations on the professional activity of PhD students, in accordance with national legislation and institutional regulations (Regulation on the organization and functioning of doctoral studies). The activity carried out during the doctoral studies is based on the Doctoral Studies Agreement and PPUA established together with the PhD supervisor, monitored and evaluated annually by the Academic Guidance and Integrity Commission and by CSD-SI. Compliance with the rules of ethics and academic integrity is ensured by applying the Code of Ethics and University Deontology, and all doctoral and habilitation theses are checked with an anti-plagiarism software system.

✓ Analysis of the state of facts

SD-SI consistently implements the IOSUD-UO regulations concerning the activities of PhD students, based on a clear and coherent regulatory framework. This framework ensures the quality of doctoral studies, the monitoring of PhD students' academic and research progress, as well as compliance with the principles of academic ethics and integrity.

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.

✓ Presentation of the state of facts, supported by documents and data

IOSUD-UO and SD-SI constantly promote international cooperation, in line with the institutional internationalization strategy, through activities that support academic and research mobility and collaboration. These include international mobility for academic staff and PhD students through Erasmus+ programs and bilateral agreements, the organization of courses and workshops held by visiting professors from partner universities, as well as research internships in prestigious institutions abroad. In the field of Industrial Engineering, two PhDs are carried out in co-supervision with higher education institutions in the country, and external professors participate in the guidance and academic integrity commissions (Annex

19). The PhD students are also involved in international projects and programs, such as the Blended Intensive Programme (BIP), contributing to the development of research skills and increasing the international visibility of the doctoral school. Also, in the period since the previous evaluation, PhD students have participated in various international conferences in order to present papers/articles. IOSUD-UO has concluded a collaboration protocol with the University of Alicante that facilitates the development of PhDs under international co-supervision and offers the possibility of obtaining a double degree, contributing to the consolidation of internationalization, as well as to increasing its visibility and competitiveness.

✓ Analysis of the state of facts

IOSUD-UO and SD-SI demonstrate a good involvement in the internationalization process, through the implementation of various mechanisms of academic and scientific cooperation. International mobilities, the participation of PhD students and academic staff in Erasmus+ programs, conferences and research internships, as well as the involvement of specialists from other institutions in the activities of the doctoral school contribute to the development of research skills and integration into an international academic space. The existence of the collaboration protocol with the University of Alicante, which will allow the obtaining of a double degree, increases the international attractiveness and visibility of the doctoral field. These activities reflect a coherent internationalization strategy and create favorable premises for increasing the quality of research and expanding collaborations at international level.

✓ Aspects that constitute best practice examples

- The Collaboration Agreement with the University of Alicante provides PhD students with the opportunity to obtain a double degree through international co-supervision.

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 facts, supported by documents and data

SD-SI, within DSUD-II, ensures the integration of scientific research activities in the doctoral training process, so that they directly contribute to the acquisition, development and capitalization of learning outcomes, in line with the objectives of the doctoral program. Research-based learning contributes to the application of theoretical knowledge in experimental research activities, solving complex problems and developing innovative solutions. The activity carried out contributes to the formation of interdisciplinary skills through the use of modern technologies, such as artificial intelligence, digital twin, robotics and Internet of Things (IoT), as well as the development of autonomy, responsibility and compliance with the principles of academic ethics. The results of the research are disseminated by the scientific supervisors/academic staff (Annex 6 and Annex 7), together with the PhD students, in the scientific community and in the socio-economic environment, contributing both to technological progress and to the professional development of PhD students (Annex 7).

✓ Analysis of the state of facts

Scientific research activities are integrated into DSUD-II through the curriculum, course outlines included in the PPUA, and research reports prepared by PhD students under the guidance of their PhD supervisor and the Academic Integrity and Guidance Committee. These activities support the achievement of learning outcomes and encourage the active participation of PhD students in research activities throughout the doctoral study cycle.

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 facts, supported by documents and data

The visibility of the research is ensured by the publication of the results in internationally indexed journals (mainly Clarivate and Scopus) and by the participation of PhD students in national and international conferences, contributing to the development of research and scientific communication skills (Annex 6 and Annex 7). The research results are capitalized through collaborations with the economic environment and research institutions, including in national and international projects (nationally and internationally funded projects - Horizon Europe, bilateral projects, etc. - Annex 18), which increases the practical relevance of the research and develops interdisciplinary and project management skills. The scientific performance of PhD supervisors and PhD students is periodically monitored through specific indicators and evaluated at the level of SD-SI and CSUD, contributing to the continuous improvement of the content of doctoral studies. In this way, scientific research supports the formation of advanced skills, autonomy and professional responsibility, in accordance with the learning outcomes specific to doctoral studies.

✓ Analysis of the state of facts

The scientific research activity carried out within DSUD-II by PhD supervisors and PhD students enrolled in the field of Industrial Engineering stands out nationally and internationally through good visibility in publications indexed in international databases, academic collaborations, research projects and participation in scientific events/specialized conferences.

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

✓ Presentation of the state of facts, supported by documents and data

The quality management system in the UO is described in the Quality Manual and implemented based on the Quality Assurance Code and the Center of Excellence in University Quality Management (QEx). The management and administration of QEx is ensured by the Director of the DAC and operates on the basis of its own Regulation. The Methodology for solving complaints regarding non-compliance with quality standards or professional ethics is functional and applied. The Program of Quality Policies, Strategies and Actions, the Annual Report on the Program of Quality Policies, Strategies and Actions (Operational Documents) and the Annual Report on Quality Assurance within the University of Oradea are elaborated annually. The evaluation by students is carried out every semester, based on a specific questionnaire, based on the Operational Procedure for the evaluation of teachers. CSUD participates in decision-making regarding the organization and functioning of doctoral studies, approval and monitoring of doctoral programs, admission policies, regulations and procedures specific to doctoral activity, as well as the general strategy for the development of the third cycle of studies (CSD Component). CSD-SI participates in decision-making regarding the organization and conduct of doctoral programs in DSUD-II and the implementation of quality policies at the level of the doctoral school, and the Faculty Councils contribute to decisions regarding curricula, resource allocation and organization of educational processes.

✓ Analysis of the state of facts

For DSUD-II, SD-SI applies the institutional procedures for quality assurance and continuous improvement, in accordance with the Quality Manual, the Quality Assurance Code and the IOSUD-UO regulations. These aim at admission, doctoral training, annual evaluation, as well as guidance and monitoring of the research activity. The implementation and the results obtained are monitored by the responsible structures and analyzed at the level of the SD and the Faculty, substantiating improvement measures regarding the

courses outlines, the research themes, the individual work plans and the dissemination of the results obtained from the scientific research activities.

✓ Aspects that constitute best practice examples

- UO promotes a participatory educational process by actively involving relevant stakeholders – PhD students, academic staff, employers, and graduates – in the implementation of quality assurance procedures.

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.

✓ Presentation of the state of facts, supported by documents and data

The opinions of community members and stakeholders are integrated into the process of implementing the procedures through: periodic evaluation of teaching staff by PhD students, through questionnaires according to the procedure for evaluating and monitoring the evolution of doctoral schools/doctoral fields; meetings and consultations of CSD-SI and CSUD where PhD students and academic staff express their views on the organization of the program and quality procedures; feedback with external collaborators and employers, collected through consultative meetings, joint research projects and international partnerships.

✓ Analysis of the state of facts

The analysis and consideration of feedback received from stakeholders contribute to the improvement of course outlines and the updating of internal procedures, individual research plans, and the doctoral school's development strategy. The implementation of the measures resulting from this process contributes to the continuous improvement of the quality 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.

✓ Presentation of the state of facts, supported by documents and data

The University Ethics and Deontology Commission (CEDU) carries out its activity based on its own regulation approved by the UO Senate. The CEDU also monitors the observance of the norms of university ethics and deontology, in accordance with the Code of Ethics and University Deontology, including within the DSUD-II and resolves complaints and appeals regarding academic conduct. The CEDU annually prepares a report, endorsed by the Senate, on the observance of the norms of university ethics and publishes it on the university's website together with the decisions and reports regarding the submitted complaints.

✓ Analysis of the state of facts

Within UO, CEDU operates in accordance with the legislation in force and its own regulations, approved by the University Senate. CEDU acts independently of the other structures of the university and publishes on the UO website the annual report, as well as the documents prepared following the complaints submitted.

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.

✓ Presentation of the state of facts, supported by documents and data

The UO has developed and implements the Procedure for the initiation, monitoring and periodic review of programs and fields of study at bachelor's and master's level. At the level of IOSUD, a procedure for evaluating and monitoring the evolution of doctoral schools/doctoral fields has been developed and is periodically applied, which aims to analyze the implementation, compliance and application of the standards and criteria in accordance with the legislation in force. With the same procedure, the following aspects are also evaluated and monitored: the scientific activity of the PhD supervisors, the activity of the PhD students, the training programs based on advanced university studies, the infrastructure and logistics, the feedback from the PhD students and the possible non-conformities/inconsistencies/shortcomings are identified in order to develop and implement strategies and action policies.

✓ Analysis of the state of facts

At the level of SD-SI and DSUD-II, UO applies the procedure for evaluating and monitoring the development of doctoral schools and doctoral fields, thereby supporting the continuous improvement of the quality of doctoral education and scientific research carried out by PhD supervisors and PhD students.

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.

✓ Presentation of the state of facts, supported by documents and data

UO involves students, academic staff, graduates and representatives of the socio-economic environment in ensuring the continuity of the process of revision and adaptation to the current standards of university studies. The mechanisms through which stakeholders are involved are: student representation in the CSUD, CSD-SI in the UO Senate, in the Administrative Council, in the Central Commission for Evaluation and Quality Assurance (CCEAC) and in other advisory structures; regular meetings and debates with employers, surveys/questionnaires completed by graduates and collaboration with international educational institutions. SD-SI, within which DSUD-II operates, regularly holds CSD-SI meetings, and CSD-SI members, PhD supervisors, faculty involved in steering committees, as well as PhD student representatives actively participate in these decision-making processes (Annex 11). Other stakeholders are involved through collaboration agreements (Annex 17), which provide access to documentary resources and research support and contribute to the development of the strategic directions of SD-SI.

✓ Analysis of the state of facts

For DSUD-II, SD-SI ensures the active involvement of CSD-SI members, PhD supervisors, academic staff involved in guidance committees and course delivery, as well as representatives of PhD students, in decision-making processes. Collaboration with international higher education institutions and the socio-economic environment complements these activities and supports their improvement by taking into account practices implemented by other institutions.

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 facts, supported by documents and data

Within the SD-SI, based on the procedure for evaluating and monitoring the evolution of doctoral schools/doctoral fields the results of the semester evaluation of the activity of the teaching staff carried out

by the PhD students are analyzed, as well as the feedback on the level of satisfaction with the doctoral program (Annex SEAQ_PO_CSUD_05_A.01 - Questionnaire on the level of satisfaction). The questionnaire covers aspects such as access to information, communication with the secretariat and PhD supervisors, organization of activities, scientific events, participation in international projects, IT and research infrastructure and involvement in teaching activities. The results are processed and analysed by the CSD-SI, which draw conclusions and, where appropriate, propose improvement measures to CSUD.

✓ Analysis of the state of facts

The results of PhD students' evaluations of the performance of academic staff and PhD supervisors are documented in reports, which are discussed within CSD-SI and presented to CSUD. These results are used to improve the activities carried out, including those within the evaluated doctoral field.

✓ Recommendations

- Better promotion of the process of evaluating the performance of academic staff by students, in order to increase the number of students who complete the evaluation questionnaires.

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 facts, supported by documents and data

The OU has developed a Digitalization Strategy in the field of education, research and administration, developed in accordance with the national and European strategic documents on the digitalization of education. In the field of quality assurance, an integrated system for collecting and analyzing essential data for quality assurance in education is implemented, using specialized databases and digital platforms (UNIWEB platform), and the Academics platform is being implemented. This process is managed by the Department for Quality Assurance (DAC). At the level of IOSUD-UO and SD-SI, a questionnaire is used for the evaluation of doctoral studies by PhD students, and the report on needs and satisfaction is available on the website.

✓ Analysis of the state of facts

UO has the necessary tools for collecting data related to quality assurance and quality management processes. These include digital tools made available to evaluators, which also enable the centralisation of assessment results and the automatic generation of reports.

✓ Recommendations

- Completing the implementation process of the ACADEMICS platform and populating it with data related to PhD supervisors and PhD students.

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.

✓ Presentation of the state of facts, supported by documents and data

IOSUD-UO provides access to relevant information on the completion of doctoral studies by posting it on the website. At the same time, SD-SI publishes, also on the website: regulations of the doctoral school, admission regulations, doctoral study contract, completion of doctoral studies, curriculum, courses outlines, the academic and scientific profile, thematic areas and research topics of the PhD supervisors,

information about the standards for the elaboration of the PhD thesis, link to the abstracts of the doctoral theses to be public defended, as well as the date, time, place where they will be defended, etc.

✓ Analysis of the state of facts

The UO ensures the transparency of information of public interest, by publishing essential data regarding the study programs offered, the qualifications obtained by graduates and other relevant information for students, employers and other interested parties. This information is available on the official website of the university. The information necessary for PhD students is also available on the pages on the university's website, dedicated to IOSUD, SD-SI and DSUD-II.

The indicator is: fulfilled

Indicator I.P.C.6.1.2	The organisational component ensures transparent decision-making processes.

✓ Presentation of the state of facts, supported by documents and data

The OU has the infrastructure to provide information of public interest to all categories of interested parties, which are available on the official website. The institution promotes transparent governance, the decisions adopted by the Administration Council and the University Senate being published on the website. The decision-making processes at the level of doctoral studies are documented and communicated through official channels, including by posting the CSUD Decisions, on the university website.

✓ Analysis of the state of facts

The UO website provides access to relevant public information throughout the doctoral study cycle, from admission to the award of the PhD degree. CSUD decisions are publicly available, while the SD-SI secretariat provides information and support to PhD students. These aspects were confirmed during the on-site evaluation visit.

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.

✓ Presentation of the state of facts, supported by documents and data

The UO complies with the requirements regarding external quality evaluation, in accordance with the applicable national legislation and ARACIS standards. The university underwent institutional evaluation in 2024 and received the qualification ""High Degree of Confidence". DSUD-II, within SD-SI and IOSUD-UO, was externally evaluated by ARACIS in 2021 and operates on the basis of the ARACIS Council Decision of 28.12.2021, which granted the qualification "Maintaining Accreditation".

✓ Analysis of the state of facts

For DSUD-II, the institution complied with the 5-year interval between two consecutive evaluations, in accordance with the provisions of the ARACIS standards, the previous external evaluation took place in 2021. The implementation of the recommendations made during the previous visit is presented in the Progress Report prepared in 2025, which states that the recommendations were successfully implemented.

The indicator is: fulfilled.

IV. SWOT Analysis

Strengths:	INTERNAL FACTORS	Weaknesses:
✓ Diversity of educational offer, including the doctoral studies. ✓ Programs and policies to support excellence in research and innovation. ✓ Well-regulated and functional		✓ Relatively low number of doctoral grants in relation to the number of PhD supervisors. ✓ Relatively low participation of PhD students in research contracts

organizational framework. ✓ A quality human resource. ✓ Innovation and technology transfer units. ✓ Modern infrastructures, constantly developing. ✓ Interdisciplinary and applied research possibilities. ✓ Collaboration with the socio-economic environment.		coordinated by PhD supervisors. ✓ Relatively low proportion of international PhD students. ✓ Relatively low proportion of doctoral theses defended in a foreign language.
SWOT analysis		
Opportunities: ✓ Expanding international collaborations also through the EU GREEN consortium. ✓ Increased interest from employers for graduates of interdisciplinary fields. ✓ Addressing common themes with the industrial environment. ✓ The possibility of creating centers of excellence or innovation networks in partnership with the private sector. ✓ Access to national and international funding sources, attracting funds for infrastructure and research projects.	EXTERNAL FACTORS	**Threats:** ✓ Declining number of graduates from Bachelor's and Master's degree programmes in the fundamental field of Engineering Sciences. ✓ Insufficient recognition of the value of the doctoral degree within industry. ✓ Relatively low number of nationally competitive project calls. ✓ Migration of highly qualified human resources.

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	
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, PhD 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.	F	
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	F	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
	programme/domain. The teaching staff has the required qualifications and professional competences to teach the subject matters assigned to them in the job list.		
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 courses outlines taking into account the recommendations received from stakeholders (students, graduates, leaders and industrial companies). Completion of the format of the curriculum with the way of evaluating students in the subjects provided for in the plan, summative evaluations of exam/verification type.
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	
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	
13.	**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.	F	
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	Provide more detailed information in the course outlines on the continuous assessments carried out throughout the delivery of the courses included in the PPUA.
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	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
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	
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	Better promotion of the process of evaluating the performance of academic staff by students, in order to increase the number of students who complete the evaluation questionnaires.
29.	**I.P.C.5.1.1** The organisational component systematically collects and analyses data required for the internal quality assurance process.	F	Completing the implementation process of the ACADEMICS platform and populating it with data related to PhD supervisors and PhD students.
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	
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

VI. Conclusions

The external evaluation committee, with the support of the contact person and the Doctoral School, participated in meetings with: representatives of IOSUD, SD-SI and the field coordinator, PhD supervisors, students, employers, graduates, heads of research centers/laboratories, members of the evaluation and

quality assurance commission, the president of the ethics commission and representatives of the organizational structures in the field of quality assurance. From the discussions held during the visit, it resulted that the learning/research environment offered for PhD students enrolled in the field of Industrial Engineering is one that corresponds to the specific requirements of doctoral studies, being positively appreciated by students, professors and graduates.

Following the completion of the maintaining accreditation procedure, the committee found that all *32 performance indicators were fulfilled*, and based on this and the findings of the evaluation, the external evaluation committee considers that the conditions are met for awarding "Maintaining Accreditation" to the doctoral study field of ***Industrial Engineering,*** organized by SD-SI within the University of Oradea.

VII. Annexes

1. Program of the visit of the ARACIS evaluation team;
2. 4th year doctoral student file, SD-SI, DSUD-II
3. Graduate file, 2025, SD-SI, DSUD-II

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
Școala doctorală/ Doctoral School**:**.. Școala Doctorală Științe Inginerești.....
Domeniul de doctorat/ Doctoral Domain**:** .....Inginerie industrială.....
Obiectivul evaluării externe/ The objective of the external evaluation**:** *(autorizare de funcționare provizorie/acreditare/menținerea acreditării domeniului de doctorat) Menținerea acreditării*
Perioada vizitei de evaluare/ The evaluation period: *.....16-17.09.2026.....*

Comisia de experți evaluatori ai ARACIS/Evaluation panel:

Nr./No.	III.1 Numele şi prenumele/ Last Name and First Name	Calitatea/Team role
2.	***Prof. dr. ing. Gheorghe OANCEA***	*Membru - Cadru didactic RNE*
3.	***Prof. dr. ing. Pavel Alexei TOPALĂ***	*Membru - Evaluator internațional RNE-I*
4.	***Stud. Flavia Călina ANDRON***	*Membru - Student doctorand RNE-S*

Reprezentantul IÎS/OFE:

Nr./No.	Numele şi prenumele/ Last Name and First Name	Calitatea/Team role
1.	***Prof. dr.ing. Florin BLAGA***	*Persoană de contact/Contact person*

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
Miercuri/ W*ednesday*, 16.09.2026			
9:00-9:30	Discuții tehnice în cadrul comisiei de experți în evaluarea externă a calității/ *Technical*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ *Room/Location*

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
	discussion within the expert committee for external quality evaluation		Centrul de Transfer Tehnologic, (CTT), sala 02/ *Technology Transfer Center, University of Oradea, Room 02*.
9:30-10:10	Întâlnirea comisiei de experți în evaluarea externă a calității cu **reprezentanții conducerii componentei organizatorice/** *Meeting of the external quality evaluation experts' panel with the representatives of the management of the organisational component*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Reprezentanți ai conducerii componentei organizatorice aferente domeniului de studii de doctorat evaluat/ *Representatives of the management of the organisational component* - Persoana de contact/ *Contact person*	Sala/Locația/ *Room/Location* Rectorat/ *Rectorate* Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting:* - Rector Universitatea din Oradea / *Rector of the University of Oradea* - Director CSUD/ *Director of CSUD* - Director SDSI/ *Director of SDSI* - Responsabil de domeniu de doctorat Inginerie Industriala - Persoană de contact/ *Coordinator of the Doctoral Field in Industrial Engineering -Contact person*
10:10-10:20	Pauză/ *Break*		

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
10:20-11:00	Întâlnirea comisiei de experți evaluatori în evaluarea externă a calității cu **echipa care a realizat raportul de evaluare internă (REI)**/ *Meeting of the external quality evaluation experts' panel with the team that has drafted the internal evaluation report*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Echipa care a realizat REI/ *Team that has drafted the IER*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02**/ *Technology Transfer Center, University of Oradea, Room 02.* Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting*: - **Responsabil de domeniu de doctorat Inginerie Industriala**/ *Coordinator of the Doctoral Program in Engineering and Management* - **Membru**/ *member* - **Membru**/ *member*
11:00-11:10	Pauză/ *Break*		
11:10-12:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu **studenți*** **doctoranzi** din cadrul DSUD/ *Meeting of the external quality evaluation experts' panel with PhD students of the DSUD*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Studenți doctoranzi/ *PhD students*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02**/ *Technology Transfer Center, University of Oradea, Room 02*. Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting:* - **Student doctorand**/ *Doctoral student*/ an de studii I/ *First Year of Study*

* 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/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
			- Student doctorand/ *Doctoral student*/ an de studii I/ *First Year of Study* - Student doctorand/ *Doctoral student*/ an de studii I/ *First Year of Study* - Student doctorand/ *Doctoral student*/ an de studii II/ *Second Year of Study* - Student doctorand/ *Doctoral student*/ an de studii III/ *Third Year of Study* - Student doctorand/ *Doctoral student*/ an de studii I/ *First Year of Study* - Student doctorand/ *Doctoral student*/ an de studii i IV/ *Fourth Year of Study* - Student doctorand/ *Doctoral student*/ an de studii II/ *Second Year of Study*
12:00-12:10	Pauză/ *Break*		
12:10-13:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu **personalul didactic** implicat în activitățile din cadrul DSUD/*Meeting of the external quality evaluation experts' panel with the teaching staff involved in the activities within the DSUD*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Cadre didactice conducători de doctorat/ *Teaching staff who are PhD supervisors*	Sala/Locația/ *Room/Location* Centrul de Transfer Tehnologic, (CTT), sala 02/ *Technology Transfer Center, University of Oradea, Room 02* Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting*: - Responsabil de domeniu de doctorat Inginerie Industriala/ *Coordinator of the Doctoral Program in Engineering and Management* - Membru/ *member*

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
			- Membru/ *member* - Membru/ *member* - Membru/ *member* - Membru/ *member*
13:00-14:00	Pauză de prânz/ *Lunch*		
14:00-16:00	Vizitarea bazei materiale/ *Visiting the material resources*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Reprezentanți ai instituției sau Academiei Române, după caz/ *Representatives of the HEI or the Romanian Academy, as applicable*	- Platformă de cercetare în nanostiințe- SMARTMAT (V2)/ *Nanoscience Research Platform- SMARTMAT (V2)* - Infrastructură interdisciplinară de cercetare- „Productica” (T001)/ *Interdisciplinary Research Infrastructure "Productica" (T001)* - Laborator „Inovare- Științe Inginerești” (V2)/ *"Innovation in Engineering Sciences" Laboratory (V2)* - Laborator de Fabricaţie Integrată (T013)/ *Integrated Manufacturing Laboratory (T013)* - Laborator Industry 4.0 (Centrul de Transfer Tehnologic al Universităţii din Oradea)/ *Industry 4.0 Laboratory (Technology Transfer Center of the University of Oradea)* - Laborator Automatizare şi Robotică (Centrul de Transfer Tehnologic al Universității din Oradea)/ *Automation and Robotics Laboratory (Technology Transfer Center of the University of Oradea)* - Laborator Fabricaţie Hibridă (Centrul de Transfer Tehnologic al Universității din

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
			Oradea)/ *Hybrid Manufacturing Laboratory (Technology Transfer Center of the University of Oradea)* - Parcul Științific și Tehnologic Bihor/ *Bihor Science and Technology Park*
16:00-16:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu **absolvenți***,† ai DSUD/ *Meeting of the external quality evaluation experts' panel with alumni‡ of the DSUD*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Absolvenți ai domeniului de studii evaluat/ *Graduates*	Sala/Locația/ *Room/Location* Centrul de Transfer Tehnologic, (CTT), sala 02/ *Technology Transfer Center, University of Oradea, Room 02*. Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting*: - Absolvent – an absolvire 2020/ *year of graduation 2020* - Absolvent – an absolvire 2020/ *year of graduation 2020* - Absolvent- an absolvire 2010/ *year of graduation 2010* - Absolvent – an absolvire 2022/ *year of graduation 2022* - Absolvent ĂU– an absolvire 2022/ *year of graduation 2022*

* Se va evita invitarea absolvenților care sunt angajați ai IÎS sau ai OFE, după caz.
† Nu este obligatorie în cazul autorizării domeniilor de studii universitare de doctorat

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

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
			- **Absolvent** – an absolvire 2010/ *year of graduation 2010* - **Absolvent** – an absolvire 2022/ *year of graduation 2022* - **Absolvent** – an absolvire 2022/ *year of graduation 2022* - **Absolvent** – an absolvire 2024/ *year of graduation 2024* - **Absolvent** – an absolvire 2024/ *year of graduation 2024* - **Absolvent** – an absolvire 2024/ *year of graduation 2024* - **Absolvent – an absolvire 2026**/ *year of graduation 2026*
16:50-17:00	Pauză/ *Break*		
17:00-18:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu **angajatori** ai absolvenților DSUD/ *Meeting of the external quality evaluation experts' panel with employers[*] of the DSUD alumni*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Angajatori/ *Employers*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02/** *Technology Transfer Center, University of Oradea, Room 02*. Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting:* - **Director de productie**- SC PLASTOR SA; - **Engineering Manager**- SC COMAU Romania

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

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
			- Industrial Engineerig- Prototyping Manager S.C. Ebm-Papst Automotive & Drives Romania S.R.L - Manager Mentenanta- SC VERNICOLOR SA
Joi/ *Thursday*, 17.09.2026			
9:00 - 9:30	**Întâlnirea tehnică** a comisiei de experți evaluatori (Activitate în colaborare pentru clarificarea aspectelor prezentate în REI)/ *Technical meeting of the expert evaluation panel (Collaborative activity for clarifying the aspects presented in the Internal Evaluation Report - IER)*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02/** *Technology Transfer Center, University of Oradea, Room 02*.
9:30 - 10:20	Întâlnirea comisiei de experți în evaluarea externă a calității cu **responsabilii centrelor/laboratoarelor de cercetare /** *Meeting of the external quality evaluation experts' panel with the staff in charge with the research centres/laboratories*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Responsabilii centrelor/laboratoarelor de cercetare/ *Staff in charge with research centres/laboratories*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02/** *Technology Transfer Center, University of Oradea, Room 02*. Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting:* - Responsabil laborator de cercetare - Platformă de cercetare în nanostiințe- SMARTMAT (V2)/ *Nanoscience Research Platform- SMARTMAT (V2)* - Responsabil laborator de cercetare CĂ- Infrastructură interdisciplinară de cercetare- „Productica" (T001)/ *Interdisciplinary Research Infrastructure "Productica" (T001)*

Intervalul orar/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
			si Laborator „Inovare- Ştiinţe Inginereşti” (V2)/ *"Innovation in Engineering Sciences" Laboratory (V2))* - **Responsabil laborator de cercetare** si **director centru de cercetare** Laborator de Fabricaţie Integrată (T013)/ *Integrated Manufacturing Laboratory (T013)* Laborator Fabricație Hibridă (Centrul de Transfer Tehnologic al Universității din Oradea)/ *Hybrid Manufacturing Laboratory (Technology Transfer Center of the University of Oradea)* Centrul de Cercetare în Inginerie Integrată și Tehnologii Avansate – CCIITA/ *Research Center for Integrated Engineering and Advanced Technologies* - **Responsabil laborator de cercetare** Laborator Industry 4.0 (Centrul de Transfer Tehnologic al Universității din Oradea*)/ Industry 4.0 Laboratory (Technology Transfer Center of the University of Oradea)* - **Responsabil laborator de cercetare:** Laborator Automatizare și Robotică (Centrul de Transfer Tehnologic al Universității din Oradea)/ *Automation and Robotics Laboratory (Technology Transfer Center of the University of Oradea)*

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
			- Responsabil laborator de cercetare- Parcul Științific și Tehnologic Bihor/ *Bihor Science and Technology Park*
10:20 - 10:30	Pauză/ *Break*		
10:30 - 11:20	Întâlnirea comisiei de experți în evaluarea externă a calității cu reprezentanți ai CEAC și structurilor organizatorice în domeniul asigurării calității/ *Meeting of the external quality evaluation experts' panel with representatives of the quality assurance organisational structures*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Reprezentanți ai structurilor organizatorice în domeniul asigurării calității/ *Representatives of quality assurance organisational structures*	Sala/Locația/ *Room/Location* Centrul de Transfer Tehnologic, (CTT), sala 02/ *Technology Transfer Center, University of Oradea, Room 02*. Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting:* - Prorector Management calitate și administrativ / *Vice Rector for Quality Management and Administration* - Responsabil de domeniu de doctorat Inginerie Industriala - Persoană de contact/ *Coordinator of the Doctoral Field in Industrial Engineering -Contact person* - Director SDSI/ *Director of SDSI*
11:20 - 11:30	Pauză/ *Break*		

Intervalul orar/ *Hour*	Activități de evaluare/ *Evaluation activities*	Participanți/ *Participants*	Locație/*Location* /Listă participanți/*List of Participants*
11:30 - 12:20	Întâlnirea comisiei de experți în evaluarea externă a calității cu membri ai **Comisiei de etică universitară**/ *Meeting of the experts panel with members of the University Ethics Committee*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Membri ai Comisiei de etică universitară/ *Members of the University Ethics Committee*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02**/ *Technology Transfer Center, University of Oradea, Room 02*. Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting:* - Președinte al **Comisiei de etică universitară**/ *President University Ethics Committee*
12:20-13:30	Pauză de prânz/ *Lunch*		
13:30 - 14:20	Întâlnire tehnică a comisiei de experți evaluatori/ *Technical meeting of the expert evaluation panel*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02**/ *Technology Transfer Center, University of Oradea, Room 02*.
14:20-16:20	Finalizarea activităților de evaluare/ *Completion of evaluation activities*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02**/ *Technology Transfer Center, University of Oradea, Room 02*.
16:20-16:30-	Pauză/ *Break*		
16:30-17:30-	Întâlnirea membrilor comisiei de experți evaluatori cu reprezentanții conducerii IÎS sau a OFE, după caz și ai conducerii componentei organizatorice pentru comunicarea concluziilor procesului de evaluare/ *Meeting of the members of the expert evaluators' panel*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Reprezentanți ai conducerii și ai domeniului de studii evaluat/ *Representatives of the management*	Sala/Locația/ *Room/Location* **Centrul de Transfer Tehnologic, (CTT), sala 02**/ *Technology Transfer Center, University of Oradea, Room 02*.

Intervalul orar/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
	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	- Persoana de contact*/ Contact person*	Lista persoanelor care vor participa la întâlnire/ *List of participants attending the meeting:* - Director CSUD*/ Director of CSUD* - Director SDSI*/ Director of SDSI* - Responsabil de domeniu de doctorat Inginerie Industriala - Persoană de contact/ *Coordinator of the Doctoral Field in Industrial Engineering -Contact person*

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.
Prepared by,

Prof. dr. ing. OANCEA Gheorghe

Prof. dr. ing. BLAGA Florin