



HOTĂRÂRE

privind validarea rezultatelor procedurilor de evaluare externă a calității educației

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

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

Luând în considerare:

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



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

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

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

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

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

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

Art. 1. (1) Se validează rezultatele procedurilor de evaluare externă a calității educației pentru programele de studii universitare de licență, domeniile de studii universitare de masterat și de doctorat, precum și pentru programul pregătitor de limba română pentru cetățenii străini, după caz, cuprinse în anexele nr. 1-13 care fac parte integrantă din prezenta hotărâre.

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

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

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

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



Art. 4. Prezenta hotărâre intră în vigoare la data de 17.09.2026.

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

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

Daniela Cristina GHIȚULICĂ
Director general

Carmen MIRIAN
Director Direcția Asigurarea Calității

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

NR. 286/H/17.09.2026

**AGENȚIA ROMÂNĂ DE ASIGURARE A CALITĂȚII ÎN ÎNVĂȚĂMÂNTUL SUPERIOR**Membră în Asociația Europeană pentru Asigurarea Calității în Învățământul Superior - **ENQA**Înscrisă în Registrul European pentru Asigurarea Calității în Învățământul Superior - **EQAR****ANEXA NR. 1**

Hotărârea Consiliului ARACIS nr. 286/H/17.09.2026

Anexa 1.2

DATE DE IDENTIFICARE		
Instituția de învățământ superior/organizația furnizoare de educație	Universitatea Tehnică din Cluj-Napoca	
Școala(ile) doctorală(e)	Școala Doctorală UTCN	
Domeniul de studii universitare de doctorat (DSUD)	Inginerie mecanică	
Procedura/procesul de evaluare externă a calității educației	Menținerea acreditării	
DECIZIA		
Descrierea pe scurt a procesului de luare a deciziei		
Raportul de evaluare externă (REE) a fost analizat în ședința Comisiei permanente de specialitate Științe Inginerești 1 (CPS_C10) din 14.09.2026, propunerea de decizie fiind consemnată în PV nr. 4628/14.09.2026. Propunerea de decizie a fost analizată de către Departamentul de evaluare Studii Universitare (DESU), opinia DESU fiind consemnată în PV nr.4655/17.09.2026		
Gradul de îndeplinire a standardelor și indicatorilor de performanță și motivarea deciziei (se indică cifrele care stau la baza luării deciziei Consiliului ARACIS)		
Domeniul	Standarde Î / N	Indicatori de performanță Î / PÎ / N
A	Î: S.A.1.1, S.A.1.2., S.A.2.1., S.A.2.2., S.A.3.1., S.A.3.2., S.A.4.1. N: -	Î: I.P.A.1.1.1, I.P.A.1.2.1, I.P.A.2.1.1, I.P.A.2.2.1, I.P.A.3.1.1, I.P.A.3.1.2, I.P.A.3.2.1, I.P.A.4.1.1 PÎ: - N: -
B	Î: S.B.1.1., S.B.2.1., S.B.3.1., S.B.3.2., S.B.4.1., S.B.5.1., S.B.7.1., S.B.7.2., S.B.8.1., S.B.9.1., S.B.9.2. N: -	Î: I.P.B.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.5.1.2, 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: I.P.B.1.1.1., I.P.B.5.1.1 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 17.09.2026 analizează și validează propunerea comisiei de experți în evaluarea externă a calității, constatând că din:

- *32 indicatori: 30 sunt îndepliniți, 2 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

Mentținerea 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:	Technical University of Cluj-Napoca
Doctoral School:	UTCN Doctoral School
Doctoral Domain:	Mechanical 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.dr.eng JALIU Codruta	Expert evaluator	
2.	Prof.dr.eng. DULGHERU Valeriu	International Expert	
3.	CHIRIAC Gabriel-Adrian	PhD Student Evaluator	

I. Introduction

The external quality assessment for the MAC of the doctoral domain of Mechanical Engineering (DSUD-IM) at the Technical University of Cluj-Napoca (UTCN) took place between July 8-9, 2026. The external evaluation panel consisted of:

Prof. dr. eng. JALIU Codruta-Ileana - Transilvania University of Braşov,

Prof. dr. eng. DULGHERU Valeriu – Technical University of Moldova, Chisinau

PhD student eng. CHIRIAC Gabriel-Adrian - National University of Science and Technology Politehnica Bucharest.

UTCN was founded in 1948 under the name of the Institute of Mechanics (Official Gazette no. 249/26.10.1948), in 1953 it was transformed into the Polytechnic Institute of Cluj (HCM 2688 of 1953), and since 1992 it has operated under the current name of [Technical University of Cluj-Napoca](#) (Official Gazette no. 337/29.12.1992). UTCN has legal personality and operates as a public institution of higher education, in accordance with national legislation, the UTCN [Charter](#) and internal regulations, methodologies and procedures. UTCN undertakes the mission to develop value in people, processes and products. In this regard, we will pursue the achievement at a high level of quality of advanced scientific education and research, in specific fields, in a national and international context, responding to the needs of the intellectual, professional and social development of the individual and the progress of the Romanian society.

UTCN has been institutionally evaluated by ARACIS, receiving in 2023 the "High Degree of Trust" rating.

In UTCN, the governing structures are the University Senate and the Board of Directors, at the university level, the Faculty Council and the Department Council. The management positions are rector, vice-rectors, general administrative director, deans, vice-deans and department directors.

Currently, UTCN has [12 faculties](#) organized in Cluj-Napoca and Baia-Mare and 4 extensions in Alba-Iulia, Bistriţa, Satu-Mare and Zalău. UTCN organizes 88 bachelor's degree programs, and 100 master's degree programs. UTCN is organizing Doctoral Studies as Organizing Institution for Doctoral Studies [IOSUD-UTCN](#),

[Research](#) covers the fields of engineering, exact sciences and humanities and it is carried out at the level of the departments, in 70 accredited research structures. Doctoral studies at UTCN are organized in a [Doctoral School](#) with 17 domains: Architecture, Computers and Information Technology, Civil Engineering and Installations, Electrical Engineering, Electronic Engineering, Telecommunications and Information Technologies, Industrial Engineering, Engineering and Management, Materials Engineering, Mechanical Engineering, Environmental Engineering, Systems Engineering, Philology, Philosophy, Mathematics, Food Engineering, Chemistry, Computer Science. IOSUD-UTCN is organized according to the organizational chart, displayed on the iosud.utcluj.ro website. The activity within the doctoral studies of IOSUD-UTCN is carried out by the Council for Doctoral Studies (CSUD), which is led by its director, an ex officio member of the CSUD. The basic organizational unit in IOSUD-UTCN is the doctoral school.

The field of doctoral studies in Mechanical Engineering has a long tradition, dating back to 1948, with the establishment of the Institute of Mechanics and the Faculty of Mechanics. In 2021, following the external evaluation of the DSUD-IM, the ARACIS Council issued Decision no. 70/30.09.2021 for maintaining accreditation. Currently, the field of Mechanical Engineering has 31 PhD supervisors and 67 PhD students, of which 53 PhD students are in internships. In the academic year 2025-2026, 21 PhD students were enrolled at doctoral programs in the Mechanical Engineering field. Between 2021 and 2025, 27 doctoral theses were defended, six in English and the rest in Romanian, two of the doctoral students being German citizens, while two theses have been completed in international co-supervision. In the period following the evaluation of the doctoral field, the university ran two [support programs](#) (ANTREDOC and InoHubDoc) for doctoral students, through which scholarships were allocated, and support was provided for publication and participation in conferences.

The University provides teaching and research laboratories corresponding to its development, in

accordance with the technical, safety and hygienic-sanitary norms in force. Adequate spaces for student accommodation are also provided, as well as spaces for social and sports activities.

II. Methods used

Prior to the visit to UTCN, the members of the ARACIS evaluation panel analyzed the content of the Internal Evaluation Report (IER) of the DSUD-IM and its annexes. The information had been presented in a clear manner, which facilitated the assessment of the requirements of the performance indicators specific to the standards for the evaluation of DSUD-IM.

The evaluation took into account the visit of the educational spaces dedicated to the DSUD-IM: Research Center for Industrial Robots Simulation and Testing CESTER, Advanced Mechatronic Systems Laboratory, Mechatronics and Energy Laboratory, Testing, Research Certification of Internal Combustion Engines Working on Biofuels Laboratory, Road Traffic and Traffic Security Research laboratory, Instrumental Analysis laboratory, Advanced Flow and Heat Transfer Investigation laboratory, Experimental and Computational Solid Mechanics laboratory, AFM Laboratory and Tribology Laboratory.

The ARACIS Panel of Experts had meetings with: the management of the university, IOSUD and Doctoral School (vice-rector for research, director of CSUD, director of the Doctoral School, coordinator of the Coordination Council of the doctoral programs Mechanical Engineering and Mechatronics); the team that has drafted the internal evaluation report; 10 PhD supervisors; 6 employers of the DSUD-IM Alumni; 9 Alumni of the DSUD-IM; 8 coordinators of the research centers involved in DSUD-IM; 5 representatives of the quality assurance organizational structures (vice-rector for quality assurance, heads of quality departments), a member of the UTCN Ethics Committee, 12 doctoral students.

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

DOMAIN A. Institutional capacity

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

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

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

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

UTCN is a state university with autonomy based on Law 199/2023 and the [UTCN Charter](#). The organizational structure is presented in the [organizational chart](#). UTCN has developed methodologies, regulations and procedures, based on which all activities in the university are carried out. They are public, being posted on the [university's website](#).

The management structures within UTCN are: at the level of the university, the Senate (80 teaching staff and 28 students) and the Board of Directors; Faculty Council, at faculty level and Department Council, at the department level; at the level of CSUD: director, 11 doctoral supervisors and 3 doctoral students; at Doctoral School: director and council (4 doctoral supervisors and 2 doctoral students). The Doctoral Programs Coordination Council for Mechanical Engineering field consists of 5 members, [elected](#) by competition.

UTCN [Doctoral School](#) has the capacity to organize doctoral studies, having an adequate management system, material and financial resources necessary for stable functioning, an adequate information system for the record of doctoral students and for verifying the percentage of similarity in doctoral theses. The activity of CSUD is carried out according to the [Regulation of the Doctoral School](#), the [IOSUD-UTCN Organization Chart](#), the Institutional [Regulation on the organization of doctoral and post-doctoral studies](#). The admission of students at doctoral studies is made according to the [Admission Regulation](#), and the defense takes place according to an institutional [procedure](#). UTCN has the mechanisms for equivalence of the diploma and the title of doctor obtained abroad within the [Doctoral School Regulation](#).

✓ [Analysis of the state of facts](#)

IOSUD-UTCN has organizational components in its structure, which operate on the basis of appropriate procedures and ensure an effective management system: [structure](#) and formal [organization](#); updated internal regulatory framework ([the SD Regulation](#)); operational procedures for [admission](#) and [graduation](#). Doctoral school and doctoral fields of study are regularly monitored and evaluated. According to the provisions of the Code of Doctoral Studies and its own Regulation, CSUD-UTCN ensures the operational management of IOSUD-UTCN.

UTCN has implemented a quality management system that includes procedures regarding planning, monitoring and evaluation of educational activities. Enrolled doctoral students have the obligation to complete the advanced university training and doctoral program. The annual internal evaluation reports of Doctoral School are approved by the University Senate. The scientific activity of doctoral supervisors is evaluated annually based on a procedure developed by IOSUD-UTCN. The scientific activity of doctoral students is monitored based on the doctoral students' self-assessment procedure and the doctoral students' self-assessment sheets.

[The indicator is: fulfilled.](#)

Standard S.A.1.2. Stakeholder engagement

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

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

UTCN involves relevant stakeholders in the process of developing, reviewing and implementing academic and administrative methodologies, regulations and procedures, having a well-structured quality management system based on principles of transparency, consultation and continuous improvement. The Coordination Council of DSUD-IM participates in making decisions regarding the doctoral program according to the [Organization Chart](#). At the level of the DSUD-IM, information and [decisions](#) are published, which confirm the involvement of the doctoral supervisors. There is a good collaboration with the socio-economic environment regulated by the UTCN [Procedure](#).

✓ [Analysis of the state of facts](#)

Within CSUD / Doctoral School / DSUD-IM, the process of adopting and reviewing methodologies, regulations and procedures is carried out in a participatory and transparent manner, with the direct involvement of stakeholders. The doctoral students have a representative in the [CSUD](#). The consultation of the interested parties is carried out through: periodic meetings of the level of CSUD and Doctoral School, in which the proposals for amending or updating the specific regulations are discussed; thematic meetings organized with doctoral supervisors and research groups in the field of Mechanical Engineering; questionnaires applied to doctoral students to obtain feedback on organizational, administrative and academic aspects; meetings with representatives of the economic environment. According to [UTCN's](#)

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

[2024-2029 strategic plan](#), relations with the socio-economic environment occupy an important place in the university's mission, which includes research activities, internships or co-supervision.

The indicator is: fulfilled.

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

Standard S.A.2.1. Material resources

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

Indicator I.P.A.2.1.1

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

✓ Presentation of the state of facts

UTCN provides teaching and research venues according to its specific activities (classrooms, laboratories and research centers, dormitories and other spaces for social activities), which are in continuous modernization, and rehabilitation. UTCN has a [Hub-UTCN](#) suitable for organizing conferences, high-performance [research laboratories](#) in faculties and [additional research structures](#) at UTCN level (14 laboratories in the field of Mechanical Engineering), and the [Research Center for Engineering and Technological Management](#) in Baia Mare.

The university's library operates on the basis of a [Regulation](#) and has an appropriate number of volumes from Romania and abroad. It also has a significant number of e-books in all fields that can be accessed full-text by teaching staff and doctoral students, using the [Online Catalog \(OPAC – Liberty\)](#). The [ANELIS Plus portal](#) allows access to licensed scientific databases and operational information.

UTCN has its own publishing house – [UTPRESS](#), which is accredited by CNCSIS, operates based on [the Regulation](#). The current situation regarding the spaces and material endowment of IOSUD / Doctoral School / field of Mechanical Engineering, Research Infrastructure and the offer of research services, is presented in detail on the [EERTIS platform](#).

Doctoral students benefit from various services provided by UTCN. The Center for Career Counseling and Guidance ([CCOC](#)) offers professional and psychological counseling services, support in academic career planning, orientation for mobility and grants, contributing to their integration into academia and the labor market.

✓ Analysis of the state of facts

The venues of UTCN are made available to doctoral students for study and research. The research infrastructure ([research Mechanical Engineering Field](#)) ensures the access of doctoral students to the most advanced laboratories in the field of Mechanical Engineering. The research infrastructure and the offer of research services are publicly presented through the [EERTIS](#) platform. UTCN researchers and PhD students have access to the UTPRESS [university publishing house](#). UTCN makes available a system of services provided to support doctoral students through student dormitories, canteens, recreation spaces, university library, career counseling and guidance centers, and medical facilities.

The research laboratories located in Cluj-Napoca were visited, including the Research Center for the Simulation and Testing of Industrial Robots ([CESTER](#)), which conducts advanced research in the field of medical robotics and possesses internal accreditation. It should be noted that the Laboratory for Testing, Research and Certification of Internal Combustion Engines is accredited (Certificate no. 04/2015).

✓ Aspects that constitute best practice examples – the modern research infrastructure in the field of Mechanical Engineering which is available for doctoral studies

The indicator is: fulfilled.

Standard S.A.2.2. Management of material resources

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

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

Through the Directorate for the Management of Research, Development and Innovation (DMCDI), which acts based on the [DMCDI Regulation](#), and through the specialized structures, UTCN periodically carries out repair and maintenance works, under its own management, as well as building modernization works, and maintenance of equipment. The teaching, research and administrative venues used by doctoral students are adequately maintained, to ensure optimal conditions for study, research and work. It is also worth mentioning the rehabilitation of the Sintex building, where laboratories for research and innovation activities have been established in which the doctoral students in the field of Mechanical Engineering carry out their activity.

The research activity in the field of Mechanical Engineering is supported by the infrastructure available to the laboratories and research centers ([Laboratories in the field of Mechanical Engineering](#)) to which the doctoral supervisors are affiliated and by the laboratories of the departments of the faculties involved in the field.

✓ Analysis of the state of facts

The maintenance/administration of the assets, which is done through procedural provisions and the use of JobRouter, is of real help to doctoral students and researchers. The maintenance, modernization and consolidation of research laboratories allow the opening of new research directions. The movable assets are inventoried, maintained and replaced as needed in order to efficiently support teaching and research activities, also by training and empowering employees. The [study](#) on the degree of satisfaction of doctoral students with the services offered by UTCN in the academic year 2024-2025 demonstrates that optimal study and research conditions are ensured.

The indicator is: fulfilled.

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

Standard S.A.3.1. Human resources

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

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

DSUD-IM has adequate human resources both quantitatively and qualitatively, corresponding to the legal requirements and needs of the doctoral study programs. The legal regulations in force are respected, having efficient activity in terms of organization, number and qualification of staff. The teaching and research staff of UTCN is employed according to the recruitment criteria established at institutional level, in accordance with the legal provisions of the [Teaching Regulations – UTCN](#), and the [Metodology for competitions](#). IOSUD-UTCN supports obtaining the habilitation by the teaching staff through the [Regulation for obtaining the certificate of habilitation -IOSUD-UTCN](#) and the related [Procedure](#).

DSUD-IM includes [31 doctoral supervisors](#), of which 19 are tenured professors. During the evaluated period, [4 new doctoral supervisors](#) were affiliated. 21 of the doctoral supervisors in the field of Mechanical Engineering meet the CNADTCU criteria for habilitation.

✓ Analysis of the state of facts

The teaching and research staff involved in the disciplines provided for the PPUA holds scientific titles and academic positions, has a professional and scientific activity recognized at national and international level, reflected by patents, participation in research projects, grants, scientific papers etc.; there are involved 40 professors, 22 associate professors, and 11 specialists in the field ([Staff who have carried out teaching activities in the field of Mechanical Engineering](#)); 35 of them are doctoral supervisors.

The 31 doctoral supervisors in the field of Mechanical Engineering are tenured – 19 and retired – 12, 28 are professors and 3 are associate professors. The tenured doctoral supervisors and two retired supervisors meet the CNADTCU criteria for habilitation. They coordinate 67 doctoral students, of which 53 are in internship ([List of PhD supervisors](#), [List of doctoral students](#)). One of them coordinates more than 8 doctoral students.

IOSUD-UTCN supports the teaching staff to obtain the habilitation certificate and to affiliate to the Doctoral School of UTCN in DSUD-IM.

- ✓ **Aspects that constitute best practice examples** – the human resources of DSUD-IM, with international and national visibility in their fields of expertise.

The indicator is: fulfilled.

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

UTCN encourages the participation of teaching staff in continuing education courses, scientific conferences, international mobility through: continuing education programs organized at university level or in partnership with other institutions ([Postgraduate Courses](#) held by the [Department of Modern Languages and Communication](#), training courses in Erasmus+ projects e.g.: [NextGEng](#), [EDiRE](#), [PhotonHub](#), [TEDs Pedagogical Framework](#), training courses in UTCN GLOBE projects e.g.: [anunthot174.pdf](#), etc.); participation in international mobilities within the [Erasmus+ programs](#), as well as the [Fulbright Visiting Scholar Program](#). UTCN is a founding member of the [European University of Technology \(EUT+\)](#). Through a [questionnaire](#) distributed in the network of doctoral schools, to which 561 people responded, the doctoral supervisors were connected by email, in order to facilitate international collaborations (joint projects, doctoral co-supervision), strengthen international visibility and stimulate academic mobility; support participation in scientific conferences, workshops, invention salons ([HCA 57 /15 06 2021](#), [UTCN GLOBE](#), [Research Grants](#), [PROINVENT](#), [UTCN-2025-Research-and-Innovation-Conference](#), [Smart Diaspora 2025 Workshops](#)); involvement in research projects and activities, through access to internal or external infrastructure, resources and grants ([Funding-Opportunities](#), [UTCN Project Platform](#)).

- ✓ **Analysis of the state of facts**

UTCN ensures professional and personal development of doctoral supervisors and other teaching staff, through: continuous training programs (pedagogical and didactic courses, thematic workshops, programs for the development of transversal competences - research management, academic ethics; international mobilities (Erasmus+ and research internships in EU and US universities); academic exchanges; participation in scientific conferences and events (ASME, IFToMM, IEEE) and organization of national and international conferences; European research activities and projects (Horizon Europe, COST) that provide access to advanced research infrastructure.

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**

The recruitment of teaching staff is done according to the procedures in compliance with the legislation, through [competition](#) organized for vacant positions or by promotion. The recruitment rules are defined in the [UTCN Competition Methodology](#) and the corresponding [procedure](#), and in the [Methodology for career promotion](#). The recruitment of doctoral supervisors within the DSUD-IM is carried out through the process of [habilitation](#). The faculties propose specific criteria that must be met. All information regarding the competitions organized in UTCN is available on the [university website](#).

- ✓ **Analysis of the state of facts**

The analysis of the state-of-the-art shows that UTCN strictly complies with the legal provisions regarding the recruitment of teaching and research staff, ensuring that all procedures are transparent and compliant with national and international regulations. The competition is organized according to the corresponding [Methodology](#) and the promotion – according to [Methodology for career promotion](#). Transparency is proven by announcements, candidacies and public results ([competition page](#)). The habilitation process and the affiliation to the Doctoral School are organized according to the [IOSUD-UTCN Regulation](#). All [doctoral supervisors](#) in DSUD-IM are scientifically active and have good visibility at national and international level.

The indicator is: fulfilled.

Criterion A.4. Digitalisation of institutional processes

Standard S.A.4.1. Digital transformation

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

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

IOSUD-UTCN and the Doctoral School use IT tools for managing academic, administrative and quality assurance processes related to doctoral studies. The IT infrastructure is managed and modernized by the [IT Service for Tuition Management](#) in order to support the operation of the applications used by the academic community. Until 2025, the admission/defense processes were presented through the [UTCN Doctorate](#) portal, and starting with the 2025 Admission, a new [platform](#) is used.

UTCN uses the [SIS application – candidate-doctorate-admission](#) (within [sis.utcluj.app](#)) for online registration. The official Admission page – [IOSUD](#) remains the centralized information point. The section [Defending the doctoral thesis](#) provides the procedures, demonstrating the integration between the digital tools (SIS for admission and the Doctorate portal for defenses). The habilitation process is also digitized ([IOSUD – Habilitation](#)). The competitions for teaching positions is used the JobRouter platform.

The Vice-Rector for IT Infrastructure and Digitalization coordinates the IT infrastructure that uses platforms such as [SIMAC+](#) for monitoring scientific production and [CloudUT](#) that contributes to the development of high-performance computing resources and massive data storage. In order to support academic integrity, IOSUD-UTCN uses similarity verification tools – [Turnitin](#), applied to doctoral theses.

✓ Analysis of the state of facts

To carry out administrative and academic processes, UTCN uses the institutional platforms JobRouter, SIMAC+, IOSUD and SINU ([IT & Digitalisation – Applications](#)), which ensure the digitization of processes. The integrated use of SmartUMS platforms, Microsoft 365/Teams, anti-plagiarism applications, software resources and the OPAC – Liberty Online Catalog demonstrates the existence of a functional digital framework to support doctoral activities. These tools facilitate the access of doctoral students and supervisors to information, educational resources, administrative services and communication mechanisms. IOSUD-UTCN and the Doctoral School use IT tools for administrative management, supporting the educational process, evaluating activities and ensuring academic integrity. The permanent modernization of the IT infrastructure and the use of institutional accounts allow controlled and unitary access to services, which supports the fulfillment of the indicator. It should be noted that the Artificial Intelligence Research Institute was created at UTCN, which will allow formulating regulations on the use of artificial intelligence in the 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.
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✓ Presentation of the state of facts

The doctoral study programs carried out within IOSUD – UTCN are organized in accordance with the legislation, the UTCN Charter and the Regulation on the organization and conduct of doctoral studies and the Regulations of the Doctoral School (<https://iosud.utcluj.ro/legislatie-doctorat.html>).

The 2025-2026 doctoral program is structured into: Advanced University Training Program (PPUA, 60 credits) and Scientific Research Path (PCS, 120 credits), under the guidance of the doctoral supervisor and the Academic Guidance and Integrity Committee (Advisory Committee, with external member IOSUD-UTCN). The supporting documents (Regulations, Discipline Contract, discipline sheets, procedures and annexes) are available at the level of [IOSUD/Doctoral School](#).

Upon enrollment, the doctoral student signs the [Discipline Contract](#) together with the doctoral supervisor. The PPUA includes mandatory disciplines common to all areas (Ethics and Academic Integrity; Statistical Data Processing) and 3 specialized disciplines, selected in relation to the topic of the thesis and the research directions from the portfolio of disciplines from the master's degree programs. The completion of the PPUA is materialized by the Scientific Research Project, presented in the first six months, for which 30 credits are allocated. The PCS consists of four progress reports (half-yearly, at a maximum of 6 months, 30 credits each), validated by the doctoral supervisor and the Academic Guidance and Integrity Commission.

For the mandatory disciplines and for each discipline in the portfolio of specialized disciplines there is a [Discipline Sheet](#).

✓ Analysis of the state of facts

The doctoral study program is presented through the following documents: list of competences, skills and learning outcomes for the DSUD-IM; the [discipline contract](#), which contains the PPUA structure (the number of hours/week and credits for each discipline and research project) and the PCS with the corresponding credits. The activities from the Discipline contract for the academic year 2025/2026 refer to PPUA and PCS (summing 180 credits), the remaining 60 ECTS for the thesis preparation not being included in the document. During the visit, the institution provided the Discipline contract for 2026/2027 which contains the activities and credits for the entire doctoral period of 4 years. The 2026/2027 contract has been uploaded to ARACIS SharePoint. Although the specific information for the doctoral program exists in various documents that are uploaded on the DSUD-IM website (competences and learning outcomes, discipline contract), it is not grouped in a consolidated DSUD-IM curriculum. The evaluation panel has recommended gathering all the specific information in a DSUD-IM curriculum, which would contain the mission, objectives, competencies, learning outcomes, structure, credits and forms of evaluation for the entire doctoral program.

According to the documents of the doctoral program and the conclusions of the meetings organized during the on-site visit, the doctoral student participates, during the first 6 months, at the activities of 2 compulsory disciplines and to other 3 specialized disciplines from a portfolio offered by the DSUD-IM from the first semester of the master's degrees curricula, based on the recommendations of the doctoral supervisor. The doctoral student receives a certificate for each attended discipline and accumulates the corresponding credits.

The content of the specialized disciplines from the portfolio is formulated for the master's degree level, aiming to ensure the interdisciplinary training of the doctoral student.

* 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.

✓ Recommendations

- It is recommended to include all the existing information regarding the doctoral program (mission, objectives, learning outcomes, structure, credits and evaluation form) into a curriculum specific to DSUD-IM
- It is recommended to adapt the content of the specialized disciplines from PPUA to the requirements of the third cycle

The indicator is: **partially fulfilled**.

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

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

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

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

The learning outcomes within the doctoral program in Mechanical Engineering are aligned with the European Skills, Competences, and Occupations classification (ESCO). The PPUA includes compulsory disciplines that cover key competences required in the labor market: application of scientific methods to investigate phenomena (Statistical data processing); knowledge transfer to industry (Ethics and academic integrity); etc. The learning outcomes focus on developing the capacity to independently and responsibly coordinate a scientific research process, produce original knowledge and publish results at international standards (according to national minimum standards, e.g. WoS/Scopus articles).

[The annual report](#) of the IOSUD/Doctoral School highlights the employability rate of graduates, including in research/development positions.

✓ Analysis of the state of facts

From the analysis of the discipline sheets and the discussions held during on-site meetings with doctoral supervisors and the team that prepared the IER, the ARACIS evaluation panel observed that it is ensured the qualification level specific to doctoral study programs, and that the learning outcomes are aligned with the competences required by ESCO.

The indicator is: **fulfilled**.

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

Standard S.B.3.1 Principles

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

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

The Coordination Council of the doctoral programs in Mechanical Engineering prepares and proposes the structure and content of the doctoral program depending on the opportunity of the topic and/or disciplines and the current legislation. The program is then approved by CSUD. The disciplines within the PPUA and the topic of research project are established by the doctoral supervisor and the Advisory committee.

The principles of student-centered learning are integrated into the doctoral study program in Mechanical Engineering by ensuring learning autonomy, personal and professional development and adapting the educational process to the individual needs of doctoral students. The PPUA content is flexible, ensuring mandatory disciplines as well as specialized courses, which are adapted to the specific needs of the individual doctoral study program; the PCS is personalized, being achieved through periodic progress meetings and scientific report presentations in the presence of the Advisory Committee. The doctoral

students receive individualized feedback on the research content and the development of transversal competences (academic writing, critical thinking, ethics). The involvement of the Advisory committees is demonstrated through the minutes of scientific report defense and doctoral thesis presentations.

✓ **Analysis of the state of facts**

The student-centered approach is applied systematically, being achieved through: the PPUA and PCS structure, which allows the personalization of the doctoral student's path; personalized guidance through periodic meetings with the doctoral supervisor. These aspects were confirmed during the discussions held in the meetings with the doctoral supervisors, doctoral students, and Alumni of the DSUD-IM. The students stated that, in many cases, the Advisory committee is involved only in the presentations of the scientific, progress reports and thesis, with a minimum contribution in conducting doctoral research.

The indicator is: fulfilled.

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

IOSUD and the Doctoral School have concluded [ERASMUS and CEEPUS Mobility Agreements](#) for the Mechanical Engineering field for the mobility of doctoral students and teaching staff. The percentage of [doctoral students](#) who defended their thesis during the reporting period and who carried out traineeships abroad (or another form of mobility) or participated in international scientific conferences in the country or abroad is of 26%.

✓ **Analysis of the state of facts**

UTCN supports the academic mobilities of doctoral students. During the reporting period, FDI-type projects in the field of Internationalization were proposed by IOSUD-UTCN and accepted for funding, which considered: linguistic support in the form of tutoring and organization of English language workshops/courses; acquisition of books, monographs, manuals and subscriptions to specialized journals published in international languages; organizing lectures dedicated to doctoral students (e.g. March 2024 UTCN Doctoral School Conference - DR. Damien Chablat, École Centrale Nantes, CNRS, LS2N). The current situation highlights the possibility of carrying out mobilities in physical and virtual format with the support of doctoral supervisors. At institutional level, there are active procedures for staff mobility under the Erasmus+ program, both for teaching mobilities (STTA) and for training mobilities (STT).

UTCN is an active partner in the EUT+ alliance, contributing to the development of a European model of technological university, of European Network of Innovative Higher Education Institutions ENIHEI, and of research alliance CESAER.

The doctoral students and Alumni who participated in the on-site meetings confirmed that mobilities are promoted and accessed by a part of them.

✓ **Aspects that constitute best practice examples** - the participation of UTCN in a large number of international partnerships for education, research and innovation.

The indicator is: fulfilled.

Standard S.B.3.2. Fairness

The organisational component provides fair opportunities for students.

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

[UTCN Code of Student Rights and Obligations](#) applies to doctoral studies and includes: principles of equity, non-discrimination and equal access to resources, the right to academic and professional counseling, appeal mechanisms and feedback.

Providing the necessary resources for doctoral training is an obligation of UTCN, IOSUD-UTCN, Doctoral School, coordination councils and faculties in each field. Doctoral supervisors are obliged to support the

access of doctoral students to the resources necessary for the development of the individual research program. Also, feedback mechanisms are actively implemented regarding the evaluation of teaching staff by students, which are also completed by doctoral students for the disciplines of the PPUA.

UTCN is currently implementing measures to support candidates with disabilities: access routes in buildings marked with specific icons; access ramps in buildings with signposted routes, tactile markings in some buildings; dedicated restrooms.

✓ [Analysis of the state of facts](#)

UTCN promotes a fair and inclusive academic environment for students through strategy and the following institutionalized measures: personalization of the learning process, counseling and guidance, diversification of learning and assessment methods. These methods are reflected in the discipline sheets, where the pedagogical approaches and mechanisms for supporting learning are described.

The university also provides funds to support research activities and professional training expenses for doctoral students on internships (national and international mobility, participation in conferences, summer schools, courses, internships abroad, membership fees for scientific associations, publication of specialized articles or other specific forms of dissemination) and through the Coordination Council these funds are distributed proportionally, transparent and fair to all PhD students in internship through doctoral supervisors. Through the three Decisions of the Board of Directors of UTCN (HCA 37/10.03.2023, HCA 18/30.01.2024, HCA 40/01.04.2025) funds were allocated for 18 of the doctoral students in the field in the last 2 years. There is also [funding](#) obtained within research projects and grants in which doctoral supervisors are directors or responsible partners.

Doctoral students have access to documentary resources and software applications (M365 – [eCampus institutional accounts](#), specialized literature through the Anelis+ platform, specialized software [Matlab](#), ANSYS, Autodesk, simulation tools, licenses for advanced development environments, statistical analysis tools).

[The indicator is: fulfilled.](#)

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

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

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

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

UTCN ensures equal access to resources and services for all students at all levels of study, including those with special educational needs or disabilities. Each student has access to the [resources of the UTCN library](#), providing adequate conditions for access to learning resources for students with special needs. IOSUD-UTCN provides doctoral students with access to specialized research laboratories (AI/Machine Learning, advanced materials, sustainability, renewable energy, etc.), high-performance computing equipment, such as [CloudUT infrastructure](#) and GPU servers, used in doctoral projects and research centers. The [Center for Career Counseling and Guidance](#) (CCOC) offers educational, professional and psychological counseling (individual and group), soft skills workshops, company presentations and events such as "Career Days". The [International Relations Office](#) (ORI) develops partnerships and informs about scholarships, mobilities and academic cooperation, and the Erasmus+ Office coordinates programs funded by the European Commission, providing operational support for studies, internships and projects.

The [Capable Different project at UTCN](#) promotes inclusive approach, through guides, training and tools for personalizing support.

✓ [Analysis of the state of facts](#)

In UTCN, measures are applied and services are provided that ensure the access of students from all levels of study, including those with special educational needs or disabilities, to resources and facilities appropriate to the learning process. Tailored support is provided: physical and digital accessibility (educational platforms and digital library); academic and personalized support services through counseling; adaptation of the learning and assessment process.

IOSUD-UTCN monitors the degree of use and satisfaction through periodic questionnaires, feedback from students and annual reports (library, CCOC, international relations/Erasmus, accommodation and meal services), which substantiate improvement decisions. Based on the evaluations, the following were implemented: extension of the library program and extensive digitization of the catalog, modernization of study spaces, as well as optimizations of learning and collaboration platforms.

Some of the doctoral students and supervisors participating at the on-site meetings complained about the lack of transparency from the level of the faculties in allocating funds for the purchase of materials needed for doctoral research.

✓ **Recommendations**

- It is recommended to distribute in a transparent way (from the level of the faculties involved in DSUD-IM) the funds for the acquisition of the materials necessary for doctoral research

The indicator is: fulfilled.

Criterion B.5. Learning outcomes

Standard S.B.5.1. Definition and evaluation

Learning outcomes are adequately defined and evaluated.

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

The learning outcomes, acquired competences, knowledge and skills, are defined at the level of the Mechanical Engineering field and are presented on the [website of the Mechanical Engineering doctoral field](#). The disciplines included in the [Discipline contract](#) of each doctoral student are chosen in such a way as to deepen the research methodology in the specific direction of the thesis, to learn the principles of ethics in scientific research so that the doctoral student can efficiently carry out future research activities. The learning outcomes are formulated in relation to the competences that doctoral students must acquire at the end of the third study cycle.

✓ **Analysis of the state of facts**

Following the analysis of the documents and the learning outcomes formulated for the doctoral field, the ARACIS experts panel found that they reflect the professional and transversal competences required by the companies and are specific to the targeted occupations. The main areas of mechanical engineering are covered – design, analysis, simulation, testing, optimization and management of mechanical and mechatronic systems, while the development of collaboration, communication and leadership skills is also pursued. Some of the discipline sheets from the PPUA do not contain learning outcomes or they are not aligned to those of DSUD-IM.

✓ **Recommendations**

- It is recommended to review annually the learning outcomes for DSUD-IM and to update them in the discipline sheets from the PPUA in correlation to their content

The indicator is: partially fulfilled.

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

The evaluation of the achievement of the expected learning outcomes is carried out by: evaluating the Research Project, developed after the first 6 months and of the Progress Reports by the Advisory

Committee, [presentations and participation in Conferences](#), and by monitoring the progress in achieving the doctoral theme. The research reports are completed with a Pass/Fail grade, the PhD student being able to continue his/her research activity only if he/she obtains the "pass" grade. The verification of the acquisition of knowledge in the PPUA is attested after the first 6 months by [a certificate](#) signed by the person in charge of the discipline and the doctoral supervisor. Upon completion of the doctoral studies, the doctoral thesis is evaluated, as well as the learning outcomes and competences of the doctoral student, the knowledge, skills, responsibility and autonomy necessary to efficiently carry out future research activities. Doctoral theses are analyzed with the specialized Turnitin similarity verification software in 3 stages. The doctoral supervisors have access to the similarity software. Between 2021 and 2025, [27 doctoral students defended their doctoral thesis](#) in the field of Mechanical Engineering, evaluated with the qualifications "Very good" or "Excellent".

✓ [Analysis of the state of facts](#)

The internal evaluation report presents the [specific learning activities and methods for assessing](#) learning outcomes for the field of Mechanical Engineering. During the third cycle of studies, doctoral students are evaluated through one research report and four progress reports, presentations in the seminars of the doctoral school, participation in scientific events and by constant monitoring of progress in the elaboration of the doctoral thesis. The graduation exam takes the form of the public defense of the doctoral thesis in front of a [specialized committee](#), according to the national and institutional methodology.

The evaluation at the disciplines from PPUA is made according to the discipline sheets, which are [available on the DSUD-IM website](#). The evaluation of the activities from PCS is carried out through continuous evaluation (research projects, presentations, applied activities) and through summative evaluations, including the progress reports, and defense of the doctoral thesis. The ARACIS evaluation panel found that the evaluation is consistent and ensures that all the learning outcomes are assessed. The forms of evaluation are included in the discipline sheets and are known by the doctoral students, but they are not highlighted in the Discipline contract. The certificate for attending a discipline does not present the result of the evaluation of the learning outcomes achievement.

✓ [Recommendations](#)

- It is recommended to include the evaluation result in the certificate of completion for the chosen disciplines that are included in PPUA and to specify the evaluation forms in the discipline contract, without affecting the existing evaluation process.

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](#)

Admission to the doctoral field of Mechanical Engineering is carried out based on a [regulation](#) elaborated by CSUD-UTCN and published on the institution website, in compliance with the principles of transparency, equity and equal opportunities. The eligibility conditions, the structure of the application file, as well as the calendar of admission sessions, the periods, the necessary documents and the competition tests are also set up. The admission competition consists of at least two tests held in front of an [admission committee](#) made up of the doctoral supervisor and at least two other specialists, and includes, as a rule, an interview on the candidate's level of preparation and scientific concerns and the analysis of the research topic proposal ([PV - admission](#)), to which is added the examination of language skills in an international language.

✓ [Analysis of the state of facts](#)

The relevant information regarding admission at the doctorate – number of places, registration and eligibility conditions, required documents, the calendar are published transparently on the [UTCN website](#). In the period 2021-2025, in the field of Mechanical Engineering 91 candidates were declared admitted, all on

places financed from the budget, 47 with a scholarship. The logistical support for the admission process for the mentioned period was provided through the <https://doctorat.utcluj.ro> platform. Starting with the academic year 2025-2026, the IT platform for admission and monitoring of doctoral activity used at IOSUD-UTCN level is: <https://sis.utcluj.app/>.

The indicator is: fulfilled.

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

The admission procedure assesses the candidates' research capacity, theoretical skills and motivation through a written exam and a scientific interview. [The subject and bibliography](#) are publicly communicated, and the selection criteria are clear and objective. Support measures are provided for candidates from vulnerable groups, as well as for those with disabilities, ensuring equal access to doctoral studies. [Article 31 of the Admission Regulation](#) explicitly prohibits the use of any criteria that could generate discrimination, thus ensuring the inclusion of vulnerable groups at social and educational risk. [The results of admission](#) are public and are approved according to the UTCN internal procedures.

✓ Analysis of the state of facts

The PhD admission process in UTCN is accessible to all categories of candidates, including those with special educational requirements. The Regulation provides the possibility of considering special situations and requests for reasonable adaptation of the conditions of competition for candidates with disabilities or special educational needs, within the limits of the legal framework and institutional resources. The admission criteria refer to the candidates' professional performance and are uniform for all candidates. At IOSUD-UTCN level, 25 places financed from the budget are granted for the doctoral field of Mechanical Engineering each year.

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

IOSUD-UTCN applies the national regulations and institutional regulations governing the professional activity of doctoral students: the [IOSUD-UTCN Regulation](#) and the [Doctoral School Regulations](#), which detail the way of carrying out the professional activities of doctoral students, the [Doctoral Admission Regulations](#), the [Code](#) of Student Rights and Obligations. The Coordination Council of the Mechanical Engineering and Mechatronics Doctoral programs oversees the doctoral field of Mechanical Engineering and ensures the implementation of the legal and institutional framework for the professional activity of doctoral students and doctoral supervisors.

✓ Analysis of the state of facts

UTCN and IOSUD-UTCN ensure the development of the educational process in accordance with the internal regulations of the institution regarding [admission](#), mobility, organization of doctoral activities, [graduation of doctoral studies](#), etc. Doctoral students are informed about the regulations concerning them (<https://iosud.utcluj.ro/legislatie-doctorat.html>).

In the period 2021-2025, the number of enrolled students was 91 and the number of expelled students was 117, 27 doctoral theses were defended and the number of members of the defense committees, except for doctoral supervisors, was 61. The percentage of similarity detected on the set of 27 theses verified in the period since the last report varied between 1%-10%, which validates the quality of the doctoral activity which was carried out.

The indicator is: fulfilled.

Criterion B.8. Internationalisation process

Standard S.B.8.1. Internationalisation

Improving the quality of education and research through internationalisation actions.

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

Among the internationalization actions carried out by UTCN for the third cycle of studies can be mentioned: concluding [partnerships and institutional agreements](#); information sessions for doctoral students on mobility opportunities; participation in the EUt+ university alliance; participation in international project teams; conducting [co-supervised doctorates](#); inviting foreign referees to the Advisory committees; developing [theses in international languages](#).

✓ Analysis of the state of facts

UTCN and IOSUD-UTCN carry out actions for the internationalization of doctoral studies, facilitating the [mobility of doctoral students](#) and [doctoral supervisors](#) through Erasmus+ programs or within the EUt+ alliance. [Partnerships](#) are signed with universities and institutes abroad in various academic and research fields. Between 2021 and 2025, [3 theses were defended in international co-supervision](#) in DSUD-IM, 3 foreign specialists were invited to the theses public defense, 4 foreign doctoral students were enrolled, [6 theses were written in an international language](#), 8 invited foreign professors gave lectures to doctoral students and/or led doctoral seminars, [5 events](#) with international participation and 3 international conferences were organized in collaboration with the doctoral field (RAAD2024, MTaM 2025, AMMA 2025).

IOSUD-UTCN increased the financial support for the participation of doctoral students in international conferences, which has contributed to increasing the visibility of publications and integration into academic networks.

✓ Aspects that constitute best practice examples

- Financial support for doctoral students to disseminate research results in journals and conferences
- The actions for the internationalization of doctoral studies in Mechanical Engineering that include doctoral theses in international co-supervision, theses elaborated in international languages, seminars and lectures given by international experts.

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.
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✓ Presentation of the state of facts

Scientific-based learning contributes directly to the formation of the specific competencies, including: the ability to analyze and optimize mechanical systems, creativity in the design and development of new components and products, the ability to use modern simulation and testing methods, as well as the identification of opportunities to improve existing technologies and processes. Learning based on scientific investigation and research results are capitalized in the acquisition of the targeted learning outcomes, through the PPUA and PCS of each doctoral student in the field of Mechanical Engineering. The research is capitalized by doctoral students through [presentations at scientific conferences](#), [scientific publications](#), patents or new products.

Each of the [27 doctoral students](#) who have obtained the title in the field of doctoral studies in the last 5 years has published at least 3 papers, of which at least one article is WoS indexed and has at least one participation in an international conference.

Between 2021 and 2025, 21 doctoral students were involved in [research projects](#).

✓ [Analysis of the state of facts](#)

The analysis of the [summarized data](#) regarding the dissemination of research results by the doctoral students from DSUD-IM confirms that they have been conducting research over the past five years. The doctoral students have published 204 articles in WoS-ranked journals, 100 articles indexed in WoS, 64 articles in BDI-indexed journals, and gave 130 presentations at international conferences. The publication activity of the doctoral supervisors during the same period is also consistent: 352 articles in WoS-ranked journals, and 151 articles indexed in WoS.

During discussions with doctoral students, Alumni, and doctoral supervisors, it was mentioned that UTCN actively supports research activities - providing institutional financial support for doctoral students to participate, in Romania or abroad, in scientific events, workshops and summer schools in the doctoral field in which they have chosen the topic of their doctoral thesis (HCA 37/10.03.2023, HCA 18/30.01.2024, HCA 40/01.04.2025). For example, in 2024 the DSUD-IM received more than 100 000 RON for dissemination of results. The doctoral students and Alumni participating in the meetings stated that they are informed and participate in the scientific communication sessions and [IOSUD conferences](#) or events organized by UTCN faculties: RAAD2024, AMMA 2025, MTeM 2025, AQTR2022, AQTR2024, [UTCN Research and Innovation Conference 2025](#), [Smart Diaspora 2025](#).

✓ [Aspects that constitute best practice examples](#)

- UTCN provides financial support from its own funds for the participation of doctoral students in scientific events

[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.
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✓ [Presentation of the state of facts](#)

UTCN and IOSUD-UTCN through DSUD-IM encourage the capitalization of results by publishing articles, monographs, patents, technology transfer, as well as promoting and disseminating them by participating in conferences, fairs and exhibitions, in accordance with the mission of the field of doctoral studies, which is to promote excellence in research and train specialists capable of contributing to scientific and technological progress. The participation of doctoral students in [research teams](#), as well as collaboration with industry through partnership-based research projects, leads to the technological transfer of the products resulting from research activities. According to the summarized data regarding the publications of doctoral supervisors and doctoral students from DSUD-IM over the last five years, they have valorized the research results through [publication of scientific papers](#).

✓ [Analysis of the state of facts](#)

The [data regarding the dissemination of research results](#) of doctoral students from DSUD-IM proves that the research has been valorized through 204 articles published in WoS indexed journals out of a total of 503 published articles, 20 international mobilities, 30 awards. The results of the doctoral supervisors' research in the period 2021-2025 are internationally recognized, resulting in 111 articles in the Q1 quartile and 118 in Q2, 10 coordinated research projects, 173 papers in WoS indexed conference volumes, 11 patents/patent applications.

The large number of research and endowment projects underway in UTCN (25 international and 27 national research projects, 14 research projects with international companies and 73 with national companies), the development of the AI Research Institute and the participation in international hubs create the framework for conducting quality research and disseminating its results, including the doctoral level.

✓ [Aspects that constitute best practice examples](#)

- the dissemination of research results obtained by doctoral students through articles published in WoS-indexed journals with impact factor
- the large number of international and national projects that involve doctoral students in their teams

The indicator is: fulfilled.

DOMAIN C. Quality management

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

Standard S.C.1.1. Application

Adequately implemented strategic directions, actions, and procedures

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

The quality-assurance framework applicable to the doctoral domain rests, at institutional level, on the Commission for the Evaluation and Assurance of Quality (CEAC) and the Department for Quality Assurance (DAC), operating under [Law no. 199/2023](#) and the [UTCN Quality Assurance Code](#), with doctoral quality overseen by the Director of the Council for Doctoral Studies (CSUD). Two self-assessment instruments are in force: the [Methodology for the self-assessment of the UTCN Doctoral School](#) and the [Methodology for the self-assessment of IOSUD-UTCN](#), aligned to the methodology approved by Government Decision no. 962/2024 applied between October and November 2025 on the basis of self-assessment sheets, with the verification commissions constituted by [Board of Directors Decision no. 182/28.11.2024](#). Doctoral-student satisfaction questionnaires were administered in [2024](#) and [2025](#).

✓ Analysis of the state of facts

The domain operates within a documented, recurrently applied self-assessment framework whose results are recorded and used for quality improvement. The ARACIS evaluation panel notes, however, that the number of respondents to the annual questionnaires is limited (11 in 2024 and 17 in 2025) relative to the enrolled population, which constrains the representativeness of the satisfaction data invoked to demonstrate impact.

The indicator is: fulfilled

Standard S.C.1.2. Stakeholder engagement

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

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

The opinions of the academic community and of external stakeholders feed the procedures through the [UTCN Quality Assurance Code](#), the DAC's annual quality reports and the published [ARACIS evaluation reports](#); at the level of the domain, doctoral students are consulted through the advanced-studies (PPUA) feedback questionnaires and the Coordination Council when methodologies are revised, and integrity mechanisms, originality statements and similarity checks, are applied to doctoral outputs.

✓ Analysis of the state of facts

The opinions of doctoral students, supervisors and the Coordination Council are demonstrably elicited and taken into account. The involvement of external stakeholders, employers in particular was evidenced during the visit.

✓ Aspects that constitute best practice examples - Strong relationship with the economic environment

The indicator is: fulfilled

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

Standard S.C.2.2. Operation

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

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

The University Ethics Commission functions under the [Regulation on the organisation and functioning of the University Ethics Commission](#), approved by the UTCN Senate on 26 November 2024, with a remit covering research-ethics policy, the investigation of complaints, disciplinary proposals to the Senate or the Rector and annual reporting; within IOSUD-UTCN the [Regulation of the Doctoral School](#) assigns ethical compliance to the Council of the Doctoral School and the supervisors. Its activity is documented through minutes and [annual reports](#); no ethics notifications concerning the domain's doctoral students or supervisors were recorded in the reporting period.

✓ Analysis of the state of facts

The Ethics Commission operates under a Senate-approved regulation that provides its independence from other structures and persons, consistent with the applicable legal framework. The documented activity and the absence of recorded complaints at the level of the domain satisfy the requirement, and the evaluation team found no contrary evidence.

The indicator is: fulfilled

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

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

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

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

The initiation, monitoring and periodic review of DSUD-IM is coordinated by the CEAC, the DAC and the faculties and Doctoral School quality managers. The generic [Institutional Regulation](#) on the initiation, approval, monitoring and periodic evaluation of study programmes addresses the bachelor's and master's cycles; for the doctoral cycle the periodic-review function is discharged through the [Methodology for the self-assessment of the fields within the UTCN Doctoral School](#) (Senate Decision no. 1355/27.05.2021) and the [Methodology for the self-assessment of IOSUD-UTCN](#) (Senate Decision no. 1354/27.05.2021), applied alongside the ARACIS external-evaluation cycle and with reference to the ESG 2015.

✓ Analysis of the state of facts

The methodologies are applied to the doctoral domain, their most recent application (October–November 2025) having produced DSUD-IM and Doctoral School level outputs considered by the CSUD, which evidences a systematic periodic-review process. The reliance of the doctoral cycle on the self-assessment methodologies rather than the generic regulation reflects the specific organisation of doctoral studies.

The indicator is: fulfilled

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

Involvement in the monitoring and review of DSUD-IM comprises doctoral students and supervisors (through feedback questionnaires and proposals), the boards of the Doctoral School and the Advisory

committees, and external partners (Bosch, Emerson, Porsche Engineering and ARRK Engineering). At the level of the domain, 31 supervisors and 67 doctoral students (at 1 October 2025) are active; the report states that all active supervisors participated in the self-assessment and that 73 doctoral students responded to the associated requests during the reporting period.

✓ **Analysis of the state of facts**

The internal academic community is substantially involved in the implementation of the procedures. The ARACIS evaluation panel observes, however, that the reported participation figures are not defined on a uniform basis: the 73 doctoral student responses are not readily reconcilable with the 11 (2024) and 17 (2025) questionnaire respondents. The involvement of employers is evidenced through the existence of collaborating companies.

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	The organisational component analyses the results of the students' biannual evaluation of teachers.
I.P.C.4.1.1	

✓ **Presentation of the state of facts**

The periodic evaluation of teaching staff comprises self-assessment, peer assessment and [student assessment](#) on forms approved by the University Senate, on an annual cycle; for DSUD-IM, electronic questionnaires were administered to doctoral students for the academic years 2024–2025 and 2025–2026 and compiled in feedback reports. The outcomes indicate high satisfaction with supervisory support, the involvement of the guidance committees and compliance with academic ethics, together with observations on the need for additional research-methodology and academic-writing seminars and on study-contract deadlines.

✓ **Analysis of the state of facts**

The results of the student evaluation of teaching staff are collected and analysed at the level of the domain, the Coordination council identifying concrete areas for improvement. The divergence between the indicator's biannual (per-semester) reference and the annual cycle described is immaterial in the doctoral context, where organised teaching concentrates in the first year PPUA disciplines.

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	The organisational component systematically collects and analyses data required for the internal quality assurance process.
I.P.C.5.1.1	

✓ **Presentation of the state of facts**

Internal quality assurance is supported by IOSUD-UTCN's own platforms in the [doctoral portal](#), the [Integrated Student System \(SIS\)](#) (in use from the 2025 admission) and the [IOSUD platform](#), covering the distribution of doctoral students by field and supervisor, the academic situation, the graduates, the supervisors and the habilitation theses; annual reports on doctoral activity draw on these databases, and the institution reports into the national systems (RMU, ANS, INS).

✓ **Analysis of the state of facts**

The domain, through IOSUD-UTCN, systematically collects and analyses the data required for internal quality assurance and for statutory national reporting, feeding the annual reporting and the self-assessment. The migration of the admission and monitoring processes to the SIS platform consolidates the data infrastructure; the interconnection and standardization of the databases, identified in the internal report as an area for development, is being addressed through that migration.

The indicator is: fulfilled

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

Standard S.C.6.1. Transparency

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

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

Information of public interest is published through the [IOSUD-UTCN website](#), the portals of the supervising faculties (ARMM, IIRMP and the Faculty of Engineering of Baia Mare), the admission platform and the pages of the Coordination Councils, in accordance with [Law no. 544/2001](#) and [Law no. 199/2023](#). The published materials include the [Regulation of the Doctoral School](#), the [doctoral admission regulation](#), the procedure for the completion of doctoral studies, the thesis abstracts with defence details, the supervisors' scientific profiles and the [list of supervisors](#) in the domain, dated 1 October 2025.

✓ Analysis of the state of facts

A substantial body of information of public interest concerning the domain is published and accessible. The stakeholders are informed when any regulation is available for public consultation, students included.

The indicator is: fulfilled

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

Decision-making process relevant to the domain is transparent: decisions of the University Senate on programmes, policy and resources are registered and published on the [UTCN website](#), while decisions on the organization of doctoral programmes, quality, admission and monitoring are taken within the Council of the Doctoral School, the Senate and the specialized commissions and made available through the IOSUD structures; at the level of DSUD-IM the Coordination Council communicates decisions to the supervisors and, through them, to the doctoral students. A chronological archive of decision-making documents is maintained and requests for information are handled under [Law no. 544/2001](#).

✓ Analysis of the state of facts

The decision-making processes are formalised, documented and published, and the flow of decisions from the Senate and the Council of the Doctoral School to the level of the domain is defined. The ARACIS evaluation panel found the arrangements for the transparency of decision-making to be consistent.

The indicator is: fulfilled

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

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

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

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

The domain participates in the successive ARACIS external evaluations, the reports of which are published by the university and the [Agency](#); at the last [institutional evaluation, in 2023](#), the university obtained the rating "high degree of confidence". The doctoral domain was last evaluated in 2021, the maintenance of accreditation having been approved by Order of the Minister no. 5500/27.10.2021 (Official Gazette no. 1067/8.11.2021). For the present procedure the internal evaluation report and the supporting documentation were prepared, and the self-assessment methodology for the fields within the Doctoral School was updated ([Senate Decision no. 2123/27.11.2025](#)).

✓ Analysis of the state of facts

The institution systematically discharges the procedures pertaining to external quality evaluation, including the preparation of the evaluation file and the implementation of the resulting recommendations through action plans. The decision communicated on 8 November 2021 places the domain within the five-yearly cycle for the maintenance of accreditation provided by Article 232 of [Law no. 199/2023](#), with which the present submission is consistent.

The indicator is: fulfilled

IV. SWOT Analysis

Strengths: ✓ Experienced doctoral supervisors, with international and national visibility; ✓ modern research infrastructure; ✓ many international partnerships for education, research and innovation (EUt+ alliance, quotas, Erasmus+ mobilities); ✓ financial support for doctoral students to disseminate research results in journals and conferences; ✓ many actions for internationalization of doctoral studies (doctoral theses in international co-supervision, theses elaborated in international languages, seminars and lectures given by international experts); ✓ large number of international and national projects that involve doctoral students in their teams; ✓ institutional projects to support doctoral students.	INTERNAL FACTORS 	Weaknesses: ✓ Dependence on national funding and internal/external projects – limited resources for scholarships and mobilities; ✓ The need for continuous adaptation of infrastructure to international standards.
SWOT analysis		
Opportunities: ✓ Access to European programs (Horizon Europe, Digital Europe, MSCA) for funding and infrastructure; ✓ Increasing collaboration with the economic environment for scholarships and projects; ✓ Expanding mobilities within the EUt+ alliance and other European networks.	EXTERNAL FACTORS 	Threats: ✓ Decreasing interest in doctoral studies of the master's degree graduates; ✓ Decreasing number of graduates of master's degree programs; ✓ Competition with the companies to attract valuable graduates.

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.	Fulfilled	
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.	Fulfilled	
3.	I.P.A.2.1.1 The HEI legally owns venues for the related education, research and administrative processes, as well as for services for students, doctoral students and trainees, thus providing an enabling environment for living and studying, including for disabled persons. Optimal venues are also provided for activities of the staff. Such venues are adequately equipped.	Fulfilled	
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.	Fulfilled	
5.	I.P.A.3.1.1 The human resources of the organisational component are suitable to perform the activities pertaining to the evaluated study programme/domain. The teaching staff has the required qualifications and professional competences to teach the subject matters assigned to them in the job list.	Fulfilled	
6.	I.P.A.3.1.2 The HEI ensures professional and personal development for its staff.	Fulfilled	
7.	I.P.A.3.2.1 Recruitment procedures comply with the provisions of the law, and are established and carried out transparently.	Fulfilled	
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.	Fulfilled	
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	Partially fulfilled	- to include all the existing information regarding the doctoral program (mission, objectives, learning outcomes,

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
	learning, teaching, practical training, research and evaluation experiences, which, together, lead to a higher education qualification.		structure, credits and evaluation form) into a curriculum specific to DSUD-IM - to adapt the content of the specialized disciplines from PPUA to the requirements of the third cycle
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).	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	- to distribute in a transparent way (from the level of the faculties involved in DSUD-IM) the funds for the acquisition of the materials necessary for doctoral research
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.	Partially fulfilled	- to review annually the learning outcomes for DSUD-IM and to update them in the discipline sheets from the PPUA in correlation to their content
16.	I.P.B.5.1.2 Achievement of the learning outcomes is checked in ongoing examinations and study completion exams.	Fulfilled	-to include the evaluation result in the certificate of completion for the chosen disciplines that are included in PPUA and to specify the evaluation forms in the discipline contract, without affecting the existing evaluation process
17.	I.P.B.7.1.1 The organisational component applies the admission procedures.	Fulfilled	
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.	Fulfilled	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
19.	I.P.B.7.2.1 The organisational component applies the regulations concerning the students' professional activity.	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	
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.	Fulfilled	
26.	I.P.C.3.1.1 The organisational component consistently applies the procedures, and proves their impact on quality assurance.	Fulfilled	
27.	I.P.C.3.1.2 Members of its own community and other stakeholders are involved in the procedure implementation process.	Fulfilled	
28.	I.P.C.4.1.1 The organisational component analyses the results of the students' biannual evaluation of teachers.	Fulfilled	
29.	I.P.C.5.1.1 The organisational component systematically collects and analyses data required for the internal quality assurance process.	Fulfilled	
30.	I.P.C.6.1.1 The organisational component ensures publication and access to information of public interest regarding the evaluated study programme.	Fulfilled	
31.	I.P.C.6.1.2 The organisational component ensures transparent decision-making processes.	Fulfilled	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
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.	Fulfilled	

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	12	2	0
Domain C. Quality management	10	0	0
Total	30	2	0

VI. Conclusions

The external evaluation report has been prepared for the evaluation for Maintaining accreditation of the DSUD - Mechanical Engineering from UTCN.

On-site visit: July 8-9, 2026

Based on the analysis of the Internal Evaluation Report and its annexes, and the meetings undertaken by the evaluation panel, the following conclusions can be drawn:

- The IOSUD-UTCN activity and the organization of doctoral studies are carried out based on specific regulations and procedures, according to the legal provisions and to the requirements of CNC/EQF level 8.
- DSUD-IM has well-defined mission, objectives and learning outcomes that respond to the requirements of the labor market.
- DSUD-IM benefits of 31 experienced doctoral supervisors and a modern research infrastructure which is adequate for conducting advanced research activities.
- The scientific research carried out within DSUD-IM is based on topics relevant to the field.
- UTCN is involved in many international partnerships for education, research and innovation (EUt+ alliance, quotas, Erasmus+ mobilities).
- Doctoral students benefit from financial support for professional development, travel, participation fees at scientific events, publication of scientific articles and research consumables. The results obtained during doctoral studies from the previous external evaluation have been published in 204 articles published in WoS indexed journals out of a total of 503 published articles, 20 international mobilities, 30 awards.
- At October 1, 2025, the field of Mechanical Engineering included 67 PhD students, of which 53 PhD students were in internships. In the academic year 2025-2026, 21 PhD students were enrolled at doctoral programs in the Mechanical Engineering field.
- In the period 2021 - 2025, 27 doctoral theses were defended, six in English and the rest in Romanian, two of the doctoral students being German citizens, while two theses have been completed in international co-supervision.
- In the period following the evaluation of the doctoral field, the university ran two support programs (ANTREDOC and InoHubDoc) for doctoral students, through which scholarships were allocated, and support was provided for publication and participation in conferences.
- During the visit, several recommendations were formulated and discussed with the institution, most of them concerning the curriculum and discipline sheets of the doctoral programs.



Propose and substantiate a decision.

Following the completion of the maintaining accreditation procedure, the decision of the evaluation panel is: **maintaining accreditation** (MAC)

VII. Annexes

the calendar of the on-site visit
the minutes of the meetings
the Discipline contract 2026.



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 Tehnică din Cluj-Napoca / Technical University of Cluj-Napoca

Școala doctorală/ Doctoral School: Școala Doctorală UTCN / UTCN Doctoral School

Domeniul de doctorat/ Doctoral Domain: INGINERIE MECANICĂ / MECHANICAL ENGINEERING

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: 8 – 9 iulie 2026

Comisia de experți evaluatori ai ARACIS/Evaluation panel:

Reprezentantul ÎS/OFE:

Nr./No.	Numele și prenumele/ Last Name and First Name	Calitatea/Team role
2.	JALIU CODRUȚA	<i>Membru - Cadru didactic RNE</i>
3.	DULGHERU VALERIU	<i>Membru - Evaluator internațional RNE-I</i>
4.	CHIRIAC GABRIEL-ADRIAN	<i>Membru - Student doctorand RNE-S</i>

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

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
Miercuri/ <i>Wednesday</i> , 08.07.2026			
12:00- 12:30	Discuții tehnice în cadrul comisiei de experți în evaluarea externă a calității/ <i>Technical discussions within the expert committee for external quality evaluation</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i>
12:30- 13:20	Întâlnirea comisiei de experți în evaluarea externă a calității cu reprezentanții conducerii componentei organizatorice/ <i>Meeting of the external quality evaluation experts' panel with the representatives of the management of the organisational component</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai conducerii componentei organizatorice aferente domeniului de studii de doctorat evaluat/ <i>Representatives of the management of the organisational component</i> - Persoana de contact/ <i>Contact person</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> -Prof.dr.ing. director CSUD/ <i>Professor PhD, Eng. director of the Council for Doctoral University Studies CSUD</i> -Prof.dr.ing. director Școală Doctorală UTCN/ <i>Professor PhD, Eng. director of the TUCN's Doctoral School</i> -Prof.dr.ing. conducător de doctorat, Prorector Relații Internaționale, Comunicare și Imagine, UTCN/ <i>Professor PhD, Eng., PhD advisor, Vice-Rector for International Relations, Communication and Identity, Technical University of Cluj-Napoca (UTCN)</i> -Prof.dr.ing. conducător de doctorat, Decan – Facultatea de Autovehicule Rutiere, Mecatronică și

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			Mecanică, UTCN/ <i>Professor PhD, Eng., PhD advisor, Dean of the Faculty of Automotive, Mechatronics and Mechanical Engineering</i> - Prof.dr.ing. conducător de doctorat, prodecan –Facultatea de Autovehicule Rutiere, Mecatronică și Mecanică, membru CSUD, coordonator al Consiliul de coordonare a programelor doctorale Inginerie mecanica si mecatronică / <i>Professor PhD, Eng., PhD advisor, Vice dean of the Faculty of Automotive, Mechatronics and Mechanical Engineering, member of the Council for Doctoral University Studies - CSUD, coordinator of the Coordination Council of Doctoral Programs in Mechanical Engineering and Mechatronics</i>
13:20-13:30	Pauză/ <i>Break</i>		
13:30-14:20	Întâlnirea comisiei de experți evaluatori în evaluarea externă a calității cu echipa care a realizat raportul de evaluare internă (REI)/ <i>Meeting of the external quality evaluation experts' panel with the team that has drafted the internal evaluation report</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Echipa care a realizat REI/ <i>Team that has drafted the IER</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i> - Prof.dr.ing. conducător de doctorat, prodecan –Facultatea de Autovehicule Rutiere, Mecatronică și Mecanică, membru CSUD, coordonator al Consiliul de coordonare a programelor doctorale Inginerie mecanica

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			si mecatronică / Professor PhD, Eng., <i>PhD advisor, Vice dean of the Faculty of Automotive, Mechatronics and Mechanical Engineering, member of the Council for Doctoral University Studies -CSUD, coordinator of the Coordination Council of Doctoral Programs in Mechanical Engineering and Mechatronics</i> - Prof.dr.ing. conducător de doctorat, membru al Consiliului de coordonare a programelor doctorale Inginerie mecanica si mecatronică / Professor PhD, Eng., <i>PhD advisor, member of the Coordination Council of Doctoral Programs in Mechanical Engineering and Mechatronics.</i> - Prof.dr.ing.– conducător de doctorat, membru al Consiliului de coordonare a programelor doctorale Inginerie mecanica si mecatronică / Professor PhD, Eng., <i>PhD advisor, member of the Coordination Council of Doctoral Programs in Mechanical Engineering and Mechatronics.</i> - Conf.dr.ing. –conducător de doctorat, prodecan Facultatea Inginerie Industriala Robotica si

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			Management / <i>Assoc. Prof. PhD, Eng., PhD advisor, Vice dean of the Faculty of Industrial Engineering, Robotics and Production Management</i> - Drd.ing.– student doctorand, membru al Consiliului de coordonare a programelor doctorale Inginerie mecanică si mecatronică / <i>PhD Student, Eng., member of the Coordination Council of Doctoral Programs in Mechanical Engineering and Mechatronics</i> - Drd.ing. – student doctorand, domeniul Inginerie mecanică <i>PhD Student, Eng., in Mechanical Engineering</i> - Drd.ing. – student doctorand, domeniul Inginerie mecanică / <i>PhD Student, Eng., in Mechanical Engineering</i>
14:20-14:30	Pauză/ <i>Break</i>		
14:30-15:50	Vizitarea bazei materiale/ <i>Visiting the material resources</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai instituției sau Academiei Române, după caz/ <i>Representatives of the HEI or the Romanian Academy, as applicable</i>	Sala/Locația / Room/Location - Sala D13 / Bd. Muncii 103-105 / <i>Room – D13 / Muncii Street 103-105 / -</i> - Sala E06b - Bd. Muncii 103-105 / <i>Room – E06B - Muncii Street 103-105, -</i>

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			- Sala D09d / Bd. Muncii 103-105 / Room – D09d / Muncii Street 103-105 / - - Sala C303 /Bd. Muncii 103-105 / Room -303/ Muncii Street 103-105 / - Sala D11 / S30 Bd. Muncii 103-105 / Rooms – D11 / S30 Muncii Street 103-105 /- - Sala B 303& D017 / Bd. Muncii 103-105 / Rooms – B 303& D017 / Muncii Street 103-105 / - Sala C03 / Bd. Muncii 103-105 / Room – C03/ Muncii Street 103-105 / - Sala 10/ Bd. Muncii 12 / Room - 10/ Muncii Street 12, - Sala E11 / Bd. Muncii 103-105 / Room – E11 / Muncii Street 103-105 / -
15:50-16:00	Pauză/ <i>Break</i>		
16:00-16:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu personalul didactic implicat în activitățile din cadrul DSUD/ <i>Meeting of the external quality evaluation experts' panel with the</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / Room C304A /Location Muncii Street, 103-105

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
	<i>teaching staff involved in the activities within the DSUD</i>	- Cadre didactice conducători de doctorat/ <i>Teaching staff who are PhD supervisors</i>	Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof.dr.ing. conducător de doctorat / <i>Professor PhD, Eng. PhD advisor</i> - Prof.dr.ing. conducător de doctorat / <i>Professor PhD, Eng. / PhD advisor</i> - Prof.dr.ing. conducător de doctorat / <i>Professor PhD, Eng., PhD advisor</i> - Prof.dr.ing. conducător de doctorat / <i>Professor PhD. Eng., PhD advisor</i> - Prof.dr.ing. conducător de doctorat / <i>Professor PhD, Eng., PhD advisor</i> - Prof.dr.ing. conducător de doctorat / <i>Professor , PhD, Eng. PhD advisor</i> - Prof.dr.ing. conducător de doctorat / <i>PhD advisor</i> -Prof.dr.ing. conducător de doctorat / <i>Professor PhD, Eng. PhD advisor</i> -Prof.dr.ing. conducător de doctorat / <i>Professor PhD, Eng. PhD advisor</i>

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			- Conf.dr.ing. - conducător de doctorat / <i>Assoc. Prof., PhD, Eng. / PhD advisor</i>
16:50- 17:00	Pauză/ <i>Break</i>		
17:00- 17:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu angajatori ai absolvenților DSUD/ <i>Meeting of the external quality evaluation experts' panel with employers¹ of the DSUD alumni</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Angajatori/ <i>Employers</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / Room C304A /Location Muncii Street, 103-105 Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Dr.ing. Sef departament Cercetare Dezvoltare ICIA / <i>PhD, Eng., Head of Research and Development Department ICIA</i> - Manager de Proiecte Educaționale și Project Manager, Robert Bosch SRL / <i>Project Manager, Robert Bosch SRL</i> - Dr.ing. Director de Operațiuni pentru Produsele de Măsurare a Debitelor – Emerson / <i>PhD, Eng., Director of Operations Flow Measurements Products Emerson</i> - Dr.ing. Team Leader Emerson / <i>PhD, Eng., Senior DeltaV Engineering Team Leader at Emerson</i>

¹ Avoid inviting employers who are also staff of the HEI or members of the Romanian Academy, as applicable.

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			- Ing. Manager SC Pro Tehnic SRL / <i>Eng. Manager SC Pro Tehnic SRL</i>, - Dr.ing. – Manager INTelterm Consulting Cluj-Napoca / <i>PhD, Eng., Manager INTelterm Consulting Cluj-Napoca</i>
17:50-18:00	Pauză/ <i>Break</i>		
18:00-18:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu absolvenți ^{2,3} ai DSUD/ <i>Meeting of the external quality evaluation experts' panel with alumni⁴ of the DSUD</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Absolvenți ai domeniului de studii evaluat/ <i>Graduates</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting</i>: - Absolvent/ Graduate- an absolvire / year of graduation 2011 - 2 Absolventi/ Graduates - an absolvire / year of graduation 2012 - Absolvent/ Graduate an absolvire / year of graduation 2021 - 2 Absolventi/ Graduates an absolvire / year of graduation 2026

² Se va evita invitarea absolvenților care sunt angajați ai ÎIS sau ai OFE, după caz.

³ Nu este obligatorie în cazul autorizării domeniilor de studii universitare de doctorat

⁴ Avoid inviting alumni who are also staff of the HEI or members of the Romanian Academy, as applicable.

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			- 2 Absolvenți/ Graduates- an absolvire / year of graduation 2023 - Absolvent/ Graduate- an absolvire / year of graduation 2022.
Joi/ <i>Thursday</i> , 09.07.2026			
8:30 - 9:00	Întâlnirea tehnică a comisiei de experți evaluatori (Activitate în colaborare pentru clarificarea aspectelor prezentate în REI)/ <i>Technical meeting of the expert evaluation panel (Collaborative activity for clarifying the aspects presented in the Internal Evaluation Report - IER)</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i>
9:00 - 9:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu responsabilii centrelor/laboratoarelor de cercetare / <i>Meeting of the external quality evaluation experts' panel with the staff in charge with the research centres/laboratories</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Responsabilii centrelor/laboratoarelor de cercetare/ <i>Staff in charge with research centres/laboratories</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof. dr. ing. Laboratorul de Cercetare în Circulația Rutieră și Securitatea Circulației / <i>Professor PhD, Eng., - Road Traffic and Traffic Security Research laboratory</i> - Prof. dr. ing. - Centrul de Cercetare Aplicată pentru Mobilitate Electrică / <i>Professor , PhD,</i>

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			<i>Eng.</i>, - EMARC - Electric Mobility Applied Research Center -Prof. dr. ing. Analiza Instrumentală / <i>Professor, PhD, Eng.</i>, - Instrumental Analysis -Prof. dr. ing. Investigarea prin Metode Avansate a Curgerilor si Transferului Termic /<i>Professor PhD, Eng.</i>, - Advanced Flow and Heat Transfer Investigation Group -Prof. dr. ing. Laboratorul de Metode Experimentale si Computationale in Mecanica Solidului /<i>Professor PhD, Eng.</i>, - Experimental and Computational Solid Mechanics Laboratory -Prof. dr. ing. Centrul de Cercetare pentru Simulare si Testare Roboti Industriali - CESTER / <i>Professor PhD, Eng.</i>, - CESTER -Research Center for Industrial Robots Simulation and Testing -2 Prof. dr. ing. Laboratorul de MICRO-NANO Sisteme / 2 <i>Professors PhD, Eng.</i>, - Micro Nano Systems Research Center

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			2 Prof. dr. ing.- Sisteme Inteligente Reconfigurabile / 2 Professors PhD, Eng., - Intelligent Reconfigurable Systems Research Laboratory
9:50 - 10:00	Pauză/ <i>Break</i>		
10:00 - 10:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu reprezentanți ai structurilor organizatorice în domeniul asigurării calității/ <i>Meeting of the external quality evaluation experts' panel with representatives of the quality assurance organisational structures</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai structurilor organizatorice în domeniul asigurării calității/ <i>Representatives of quality assurance organisational structures</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / Room C304A /Location Muncii Street, 103-105 Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> - Prof.dr.ing. prorector Management universitar și relația cu mediul socio-economic, președinte comisia CEAC / Professor PhD, Eng., vice rector for Relations with the socio-economic environment, <i>Chair of the Quality Assurance and Evaluation Committee (CEAC)</i> - Conf.dr.ing. Director Compartimentul Management Universitar / Assoc. Prof. PhD, Eng., Director of the University Management Department - Ing. Director Departamentul pentru Asigurarea Calității/

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			<i>Eng., Director of the Quality Insurance Department</i> - Prof.dr.ing. decan și responsabil calitate Facultatea ARMM /<i>Professor PhD, Eng., Dean and Quality Assurance Responsible of the Faculty of Automotive, Mechatronics and Mechanical Engineering</i> - Prof.dr.ing. conducător de doctorat, prodecan –Facultatea de Autovehicule Rutiere, Mecatronică și Mecanică, membru CSUD, coordonator al Consiliul de coordonare a programelor doctorale Inginerie mecanica si mecatronică / <i>Professor PhD, Eng., PhD advisor, Vice dean of the Faculty of Automotive, Mechatronics and Mechanical Engineering, member of the Council for Doctoral University Studies - CSUD, coordinator of the Coordination Council of Doctoral Programs in Mechanical Engineering and Mechatronics</i>
10:50 - 11:00	Pauză/ <i>Break</i>		

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
11:00 - 11:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu membri ai Comisiei de etică universitară/ <i>Meeting of the experts panel with members of the University Ethics Committee</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Membri ai Comisiei de etică universitară/ <i>Members of the University Ethics Committee</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i> Lista persoanelor care vor participa la întâlnire / <i>List of participants attending the meeting:</i> - Conf.dr.ing. membru Presedinte al Comisiei de etică a UTCN din partea Facultății de Autovehicule Rutiere, Mecatronică și Mecanică / <i>Assoc. Prof. PhD, Eng., –President of the Ethics Committee of the Technical University of Cluj-Napoca (UTCN), representing the Faculty of Automotive, Mechatronics and Mechanical Engineering</i>
11:50 - 12:00	Pauză/ <i>Break</i>		
12:00- 12:50	Întâlnirea comisiei de experți în evaluarea externă a calității cu studenți ⁵ doctoranzi din cadrul DSUD/ <i>Meeting of the external quality evaluation experts' panel with doctoral students of the DSUD</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Studenți doctoranzi/ <i>Doctoral students</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> 5 Doctoral students an de studiu I/ <i>year of study I</i> Doctoral students an de studiu III / <i>year of study III</i>

⁵ Nu este obligatorie în cazul autorizării domeniilor de studii universitare de doctorat/ It is not mandatory in the case of authorization of doctoral university study domain.

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			4 Doctoral students an de studiu II/year of study II 2 Doctoral students an de studiu IV / year of study IV
12:50- 13:30	Pauză de prânz/ <i>Lunch</i>		
13:30 - 15:00	Finalizarea activităților de evaluare/ <i>Completion of evaluation activities</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i>
15:00- 16:00	Întâlnirea membrilor comisiei de experți evaluatori cu reprezentanții conducerii ÎS sau a OFE, după caz și ai conducerii componentei organizatorice pentru comunicarea concluziilor procesului de evaluare/ <i>Meeting of the members of the expert evaluators' panel with representatives of the management of the HEI or the EP, as applicable, and management of the organisational component,</i>	- Comisia de experți evaluatori ai ARACIS/ <i>Panel members</i> - Reprezentanți ai conducerii și ai domeniului de studii evaluat/ <i>Representatives of the management</i> - Persoana de contact/ <i>Contact person</i>	Sala C304B/Locația Bd. Muncii, nr.103-105 / <i>Room C304A /Location Muncii Street, 103-105</i> Lista persoanelor care vor participa la întâlnire/ <i>List of participants attending the meeting:</i> -Prof. dr.ing. director CSUD / <i>Professor PhD, Eng. director of the Council for Doctoral University Studies CSUD</i>

Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
	<i>to communicate the conclusions of the evaluation process</i>		- Prof. dr.ing. director Școală Doctorală UTCN/<i>Professor PhD, Eng., director of the TUCN's Doctoral School</i> - Prof.dr.ing. conducător de doctorat, Prorector Relații Internaționale, Comunicare și Imagine, UTCN/ <i>Professor PhD, Eng., PhD advisor, Vice-Rector for International Relations, Communication and Identity, Technical University of Cluj-Napoca (UTCN)</i> - Prof.dr.ing. conducător de doctorat, Decan – Facultatea de Autovehicule Rutiere, Mecatronică și Mecanică, UTCN/ <i>Professor PhD, Eng., PhD advisor, dean of the Faculty of Automotive, Mechatronics and Mechanical Engineering</i> - Prof.dr.ing. conducător de doctorat, prodecan –Facultatea de Autovehicule Rutiere, Mecatronică și Mecanică, membru CSUD, coordonator al Consiliul de coordonare a programelor doctorale Inginerie mecanica si mecatronică / <i>Professor PhD, Eng., PhD advisor, Vice dean of the Faculty of Automotive, Mechatronics and Mechanical Engineering, member of the Council for</i>



Intervalul orar/ <i>Hour</i>	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>	Locație/ <i>Location</i> /Listă participanți/ <i>List of Participants</i>
			<i>Doctoral University Studies - CSUD, coordinator of the Coordination Council of Doctoral Programs in Mechanical Engineering and Mechatronics</i>

*Prepared by,
Prof.dr. JALIU CODRUȚA*

Prof.dr. TĂȚAR MIHAI OLIMPIU