HOTĂRÂRE

privind validarea rezultatelor procedurilor de evaluare externă a calității educației

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

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

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

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

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

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

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

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

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

- **analiza şi validarea în vederea verificării respectării Metodologiei, de către comisiile de experţi evaluatori în cadrul rapoartelor de evaluare externă:** art. 235 alin. (4), pentru autorizare, respectiv art. 239 alin. (6) lit. d), pentru acreditare şi menținerea acreditării, din Lege, precum şi art. 62-63 din Metodologie.

Luând în considerare:

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

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

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

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

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

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

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

Art. 1. (1) Se validează rezultatele procedurilor de evaluare externă a calității educației pentru programele de studii universitare de licență, domeniile de studii universitare de masterat şi de doctorat, precum şi pentru programul universitar de formare psihopedagogică pentru învăţământul preuniversitar, după caz, cuprinse în anexele nr. 1-23 care fac parte integrantă din prezenta hotărâre.

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

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

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

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

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

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

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

Daniela Cristina GHIȚULICĂ
Director general

Carmen MIRIAN
Director Direcţia Asigurarea Calităţii

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

Consilier juridic

NR. 318/H/22.10.2026

ANEXA NR. 19
la Hotărârea Consiliului ARACIS nr. 318/H/22.10.2026

Anexa 19.5

DATE DE IDENTIFICARE	
Instituţia de învăţământ superior/organizaţia furnizoare de educaţie	Universitatea de Vest din Timişoara
Şcoala(ile) doctorală(e)	Ştiințe Exacte şi Ştiințele Naturii
Domeniul de studii universitare de doctorat (DSUD)	*Matematică*
Procedura/procesul de evaluare externă a calităţii educaţiei	Menținerea acreditării

DECIZIA

Descrierea pe scurt a procesului de luare a deciziei

Raportul de evaluare externă (REE) a fost analizat în şedința Comisiei permanente de specialitate Ştiințe Exacte şi Ştiințe ale Naturii (CPS_C1) din 05.10.2026, propunerea de decizie fiind consemnată în PV **nr.** 5074/05.10.2026**.**

Propunerea de decizie a fost analizată de către Departamentul de evaluare Studii Universitare (DESU), opinia DESU fiind consemnată în PV nr. **5321/20.10.2026**.

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

Domeniul	Standarde Î / N	Indicatori de performanţă Î / PÎ / N
A	**Î:** S.A.1.1, S.A.1.2., S.A.2.1., S.A.2.2., S.A.3.1., S.A.3.2., S.A.4.1. N: 0	**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: 0 N: 0
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: 0	**Î:** I.P.B.1.1.1., I.P.B.2.1.2, I.P.B.3.1.1, I.P.B.3.1.2, I.P.B.3.2.1, I.P.B.4.1.1., I.P.B.5.1.1, I.P.B.5.1.2, I.P.B.7.1.1, I.P.B.7.1.2, I.P.B.7.2.1, I.P.B.8.1.1, I.P.B.9.1.1, I.P.B.9.2.1 PÎ: 0 N: 0
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: 0	**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: 0 N: 0

Motivarea deciziei

Consiliul ARACIS în şedința din 22.10.2026 analizează şi validează propunerea comisiei de experți în evaluarea externă a calității, constatând că din:

- *32 indicatori: 32 sunt îndepliniți, 0 parțial îndeplinit şi 0 neîndeplinit*
- *26 standarde: 26 sunt îndeplinite, 0 neîndeplinite,*

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

Decizia	Menţinerea acreditării

The Romanian Agency for Quality Assurance in Higher Education



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

Higher Education Institution/Education Provider Organization:	West University of Timisoara
Doctoral School:	Doctoral School of Exact Sciences and Natural Sciences (SDSESN)
Doctoral Domain:	Mathematics
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.	Popa Ioan-Lucian	Expert evaluator	
2.	Müller Winfried	International Expert	
3.	Spulbăr Lucian-Florin	PhD Student Evaluator	

I. Introduction

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

This external evaluation report was prepared at the request of West University of Timisoara (UVT), Doctoral School of Exact Sciences and Natural Sciences (SDSESN), for the purpose of maintaining the accreditation for the field of Doctoral Studies Mathematics. This area was last evaluated and accredited in 2021. The external evaluation was conducted with the ARACIS Methodology in accordance with the Romanian legislation applicable to higher education. The on-site visit took place from September 16 to 18, 2026, with the participation of all members of the external evaluation panel, appointed by ARACIS as follows:

- Prof. dr. habil. Ioan-Lucian Popa ("1 Decembrie 1818" University of Alba Iulia), coordinator and PhD expert evaluator
- Prof.em. Dr. Winfried Müller (Universität Klagenfurt), PhD international expert
- Spulbar Lucian-Florin (University of Craiova) PhD student evaluator

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

UVT is one of the most prestigious universities in Romania being a member of the "Universitaria Consortiom", a joint project formed by 10 leading Romanian universities. It is also a founding member of the European University Alliance UNITA and a member of the Timisoara University Alliance ATU. Furthermore, UVT is affiliated with several important European and international university organizations. The origin of UVT begins in 1944, when it was established by Royal Decree and authorized to offer studies in Law, Letters and Philosophy, Sciences and Theology. Now, after more than 70 years of activity and constant development, UVT with its 12 Faculties, 83 Bachelor -, 98 Master - and 26 Doctoral study programmes and a Department of Teacher Training has a strong national and international academic reputation and is the most important educational center in the western part of Romania. The Doctoral Study Domain Mathematics of UVT was last evaluated by ARACIS in 2021 and accredited. In the Institutional Evaluation by ARACIS in 2022, UVT obtained the rating "High Degree of Trust".

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

UVT is an Organizing Institution for Doctoral Studies (IOSUD). The Institutional Regulations for the organization of IOSUD are approved by the UVT-Senate, in accordance with the Romanian legislation and guidelines given by ARACIS. Doctoral studies in Mathematics have a long tradition at UVT. The first PhD in Mathematics was

defended already in 1968. Currently there are 8 Doctoral Schools with a total of 26 Doctoral Study Programmes at UVT. The Doctoral Field Mathematics together with the fields Biology, Chemistry, Physics, Geography and Computer Science belongs to the Doctoral School "Exact Sciences and Natural Sciences" (SDSESN). This School was established in 2024 in connection with a reorganization of IOSUD-UVT in order to make better use of synergies bringing together related human and material resources and to support interdisciplinary collaboration. In the academic year 2025/26 there are 50 doctoral supervisors affiliated with SDSESN and 123 students at the school. In the field of Mathematics there are currently 9 doctoral supervisors and 12 active doctoral students. All supervisors have an excellent scientific reputation based on their research work, within the international mathematical community. This proves that the sector is very stable since the last accreditation in 2021 and provides planning certainty. The mission of SDSESN is to enable and support excellent scientific research and the formation of highly qualified graduates in the field of Mathematics, meeting international standards. Also, after the establishment of SDSESN in 2024, the field of Mathematics retained its own strict specific standards for habilitation/affiliation and admission to doctoral studies, respectively.

II. Methods used

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

This report is based on the analysis of the Internal Evaluation Report (IER) of the UVT Doctoral School of Exact Sciences and Natural Sciences (SDSESN) for the Doctoral Field Mathematics, documents concerning the legal framework for IOSUD in Romania and guidelines for the external evaluation of IOSUD provided by ARACIS, the Homepage of UVT, the information obtained from the interviews and documents made available during the on-site visit and the visit of the buildings for teaching, research and administration related to the Doctoral Field Mathematics. Furthermore, "The External Evaluation Report of a Doctoral Study Domain" from the ARACIS evaluation of the Doctoral Field Mathematics in 2021 and the development since then as well as the report of the ARACIS "External Institutional Evaluation" of UVT in 2022 have been studied.

UVT has taken the evaluation process of the Doctoral Field Mathematics very seriously and carefully prepared the IER and the on-site visit of the evaluation panel. The IER is excellent compared to similar reports of other institutions the team members have read. All important data and necessary information on UVT and IOSUD-UVT are presented in compact form in the IER.

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

The on-site evaluation visit took place from September 16 to 18, 2026, with the participation of all three members of the external evaluation panel. Meetings were organized between the evaluation team and:

- the leadership of SDSESN
- the team that has drafted the IER
- the teaching staff of SDSESN

- the staff in charge with research centers/laboratories
- Doctoral students of the study programme
- Graduates
- Employers
- Members of the Ethics Committee
- Members of the QA and organizational structures

These meetings revealed no negative things whatsoever and confirmed the good impression gained from the written documents.

On Thursday, September 17, the panel members visited the buildings for teaching, research and administration related to SDSESN. According to the provided information and the observations made during the on-site visit, the patrimony of UVT is well managed. Buildings, lecture rooms, research facilities and other installations related to SDSESN are up to date and of international standard.

- Other relevant methods or aspects.

In order to obtain the most complete and accurate picture of the PhD Field Mathematics at UVT, the evaluation panel cross-checked the provided written documents with the information gathered during the on-site visit. The assessments regarding the compliance with ARACIS performance standards and indicators are the result of these examinations.

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

DOMAIN A. Institutional capacity

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

Standard S.A.1.1. Organisational components and institutional processes The HEI has organisational components in its structure, which function based on adequate competences, responsibilities, processes, and implementation procedures, and ensure an effective management system.	
Indicator I.P.A.1.1.1	For delivering the study programme/domain, the HEI has adequate organisational components and an adequate management system, which operate based on methodologies, regulations and procedures that are periodically reviewed as required by law.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

The Doctoral Programme Mathematics is part of the SDSESN. UVT has established appropiate organisational and management systems in accordance with the law in order to run its Doctoral studies. The institutional regulations are approved by the Council of SDSESN, by CSUD and by the Senate. The regulations are reviewed periodically and published on UVT website.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

There are clear organizational structures with well defined collective bodies and leadership roles for the Doctoral Field Mathematics. The regulations for IOSUD and SDSESN are documented in the IER and Annexes and were verified and confirmed during the on-site visit. .

✓ Aspects that constitute best practice examples

In order to maintain quality on the level of international standards in mathematics and to ensure complete transparency, UVT has defined and published specific standards for habilitation/affiliation and admission to Doctoral Studies Mathematics, respectively.

✓ recommendations

Ensure access to and regular updates of information about the Research Centers https://icam.uvt.ro/

The indicator is: fulfilled.

Standard S.A.1.2. Stakeholder engagement The HEI proves that it engages the relevant stakeholders in developing methodologies and regulations, as well as implementation procedures.	
Indicator I.P.A.1.2.1	The opinions of the faculty and department members, of the subsidiary or extension* and of other stakeholders are considered in the process of adopting and revising methodologies, regulations and implementation procedures.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Internal and external stakeholders are periodically involved in the process of adopting and revising regulations and methodologies for the Doctoral Field Mathematics. There are regular meetings of the SDSESN Council and of CSUD, where updates are discussed. Doctoral supervisors meet with other local, national and international researchers. The opinions and feedback from doctoral students are collected by standardised questionnaires. The insights and results of these consultations are centralised and analysed, and if appropriate included into corresponding documents.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

Procedures for the ongoing review and improvement of the Doctoral Programme Mathematics are well-defined und function well. The information loops are closed, but the involvement and participation of external stakeholders is not entirely clear.

✓ Aspects that constitute best practice examples

Recommendations:

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

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

	persons. Optimal venues are also provided for activities of the staff. Such venues are adequately equipped.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

According to the provided written information, the data from the homepage and the observations made during the on-site visit, the patrimony of UVT is well managed. Buildings, lecture rooms, research facilities and student service installations are in a good condition and meet international standards. Teaching and research activities in the field of Mathematics are carried out on the 1st floor of the central University building, as well as in research laboratories assigned to mathematics at the Institute for Advanced Environmental Research (ICAM). Doctoral students and teaching staff benefit from resources provided by the IT&C Service at UVT (licenses for video conferences, scientific databases) and the fully computerized Eugen Todoran Central University Library.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

UVT ownes venues (buildings for teaching and research, student hostels, etc.), which are well maintained. Students and staff have access to suitable, well-equipped workplaces.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

Standard S.A.2.2. Management of material resources The organisational components manage the movable and immovable assets used for the evaluated study programme/domain in an optimal, sustainable manner.	
Indicator I.P.A.2.2.1	The movable and immovable assets are properly maintained to ensure optimal conditions for studying, living and research, as well as for work.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Maintenance is managed centrally by the General Administrative Directorate of UVT. Repairs and modernisation work on buildings, installations and equipment are carried out periodically. There exist excellent computing and printing facilities.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The locations inspected during the on-site visit were all in very good condition. Laboratories are well equiped and the facilities were fully functional. PhD Students stated that they were satisfied with the buildings and the facilities for research and computing.

✓ Aspects that constitute best practice examples

Recommendations:

Make high investments into buildings and research infrastructure more visible on ICAM homepage. Increase efforts for the acquisition of local, national and European research projects to upgrade the infrastructure of SDSESN (renewing and modernizing research facilities).

The indicator is: fulfilled.

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

Standard S.A.3.1. Human resources The HEI has the required human resources to organise and deliver the evaluated study programme/domain.	
Indicator I.P.A.3.1.1	The human resources of the organisational component are suitable to perform the activities pertaining to the evaluated study programme/domain. The teaching staff has the required qualifications and professional competences to teach the subject matters assigned to them in the job list.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Currently there are working 9 doctoral supervisors in the Field of Mathematics and 12 active doctoral students. The ratio of supervisors to students ensures excellent support for students. The list of supervisors together with CVs, research topics, publications and projects is published on the homepage. The research areas covered encompass important fields of modern fundamental and applied mathematics as well as didactic of mathematics.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The didactic and research staff affiliated to SDSESN and the Mathematics Field is highly qualified and complies with the legislation. Academic and administrastive staff involved in the PhD Field Mathematics appeared very committed and dynamic. Try to expand the group of PhD supervisors in Mathematics by qualified scientists from abroad in order to strengthen internationalization.

✓ Aspects that constitute best practice examples

The information on CSUD Mathematics on the homepage regarding the PhD Mathematics is very comprehensive and provides complete clarity about the programme.

✓ Recommendations:

Provide all CVs of supervisors in CSUD Mathematics on the homepage also in English language.

The indicator is: fulfilled .

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

UVT ensures the professional and personal development of its staff through training courses and the support for participation in scientific events and exchance programmes.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

No major deficiences regarding staff training were found. Support for application of national and European funds should be increased. Support entrepreneurial activities of staff, graduates and students.

✓ Aspects that constitute best practice examples

Recommendations:

The indicator is: fulfilled.

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

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Staff recruitment procedures of UVT comply with national legal and institutional provisions.
The procedures are fully transparent. All information regarding competitions, habilitation and recognition of qualifiactions obtained abroad is published on the website.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The recruitment procedures are clearly defined and respect legislation. The qualifications of doctoral supervisors and the affiliation process to IOSUD-UVT are institutionally established and published.

✓ Aspects that constitute best practice examples

UVT-specific regulations for habilitations in Mathematics.

✓ Recommendations

The indicator is: fulfilled.

Criterion A.4. Digitalisation of institutional processes

Standard S.A.4.1. Digital transformation

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

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Administrative, academic and research processes at UVT are supported by digital platforms. There exist an e-learning platform, platforms related to the QA procedures and platforms for the administrative area. Access to all university services via the platform intranet.uvt.ro is possible with user name and password.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The digital infrastructure of UVT is well established.

✓ Aspects that constitute best practice examples

✓ Recommendations

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

The study programme is based on a curriculum designed so that students can acquire the expected learning outcomes.	
Indicator I.P.B.1.1.1	The study programme is developed and structured according to the expected learning outcomes, and organised based on transferable study credits. It includes all learning, teaching, practical training, research and evaluation experiences, which, together, lead to a higher education qualification.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

The study programme of the PhD Mathematics is organized within SDSESN and published via several links on https://doctorat.uvt.ro/. The curriculum and course descriptions correspond to international standards in mathematics. The programme is defined in accordance with the European Credit Transfer System (ECTS) and updated annually, whereby the doctoral topics of the admitted candidates are considered. The teachers are all internationally known specialists.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The curriculum satisfies both ARACIS requirements and international standards for the formation of PhD Mathematics.

✓ Aspects that constitute best practice examples

The balanced mix between compulsory and elective subjects in the curriculum.

✓ Recommendations

- ✓ increasing the number of ECTS credits allocated for participating in prestigious international conferences
- ✓ increasing the number of ECTS credits allocated for publishing articles in WOS-indexed journals

The indicator is: fulfilled.

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

Standard S.B.2.1. Alignment with the qualification level and the intended competences In the curriculum design and development process, the organisational component seeks to ensure the qualification level, as well as correlation with the envisaged occupations.	
Indicator I.P.B.2.1.2	The expected learning outcomes are correlated with the competences required by those occupations, according to the occupational standards and/or the European Skills, Competences and Occupations (ESCO).

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

The expected learning outcomes correspond to the National Qualifications Framework and to international standards for the formation and the training of PhD students in Mathematics.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The Doctoral Programme Mathematics ensures a very good connection between learning outcomes and occupations of PhD graduates of Mathematics.

✓ Aspects that constitute best practice examples

✓ Mathematicians are highly wanted specialists not only in research institutions but also in business. Try to intensify contacts to local, national, and international enterprises to receive feedback on the desired qualifications of the labor market.

✓ Recommendations

The indicator is: fulfilled.

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

Standard S.B.3.1 Principles The organisational component implements the principles of student-centred learning.	
Indicator I.P.B.3.1.1	The organisational component ensures implementation of the student-centred learning in the curriculum and through the teaching strategies used in the learning and teaching activities and experiences.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

The training programme is determined individually for each student through consultation between the supervisor and the student, taking the research topic into account. Doctoral students can choose from subjects in the curriculum and must accumulate 30 credits per semester from this activity. The student's performance is documented in the Annual Activity Report.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

UVT supports student-centred learning by placing the doctoral student at the center of his/her academic training programme by addressing the personal needs of each student. Doctoral students in Mathematics are guided by Academic Guidance and Integrity Committees.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

Indicator I.P. B.3.1.2	The organisational component ensures opportunities for students to participate in academic mobility programmes organised in person and/or virtually.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Doctoral students benefit from mobility programmes based on Erasmus agreements, the UNITA alliance and collaborations of UVT with Francophone Universities. IOSUD-UVT has developed a strategic internationalization plan in order to encourage students to participate in international conferences and to perform research activities abroad.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

All doctoral students in Mathematics who completed their studies between 2021 and 2025 have participated in international conferences. But doctoral students and graduates stated that their participation in international mobility programmes with an extended stay abroad was limited by their job and their family life.

✓ Aspects that constitute best practice examples

✓ Recommendations

✓ Encourage short-term stays abroad (reserch visits/international conferences) or internal interships to enterprises

✓ Encouraging PhD students to give oral presentations at international conferences in their field

The indicator is: fulfilled.

Standard S.B.3.2. Fairness The organisational component provides fair opportunities for students.	
Indicator I.P.B.3.2.1	The organisational component provides fair opportunities for students, in line with their potential and aspirations, taking into account the diversity of learning styles and abilities

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Doctoral Students in Mathematics can choose their specialised subjects. The academic formation of PhD students is individualized according to the choosen research topic. The academic infrastructure is accessible to all students.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

There were no signs of any discrimination identified. All students receive fair and equal treatment.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

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

Standard S.B.4.1. Access to resources and services The organisational component provides access to adequate resources and support services, according to the needs of the students.	
Indicator I.P.B.4.1.1	The organisational component provides students, including those with special educational needs/disabilities, with access to resources and services designed to support the learning process, adequate for the individual learning needs, the study domain, the study cycle, and the form of organisation of the study programme.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Doctoral students have full access to computer rooms and electronic biographic data bases. The doctoral student training plan enables the choice of credits on a personal basis. Students benefit fom multible UVT's support services (residence, canteen, sports facilities, psychological counseling, career guidance centres, etc.). There are no barriers for students with disabilities.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

All needs of students seem to be met.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

Criterion B.5. Learning outcomes

Standard S.B.5.1. Definition and evaluation Learning outcomes are adequately defined and evaluated.

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Learning outcomes for the Doctoral Programme Mathematics are described in the curriculum. This supports the students' understanding of their formation. The learning success is assessed through examination procedures. Graduates confirmed that the training received was useful for their current activity.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

Learning outcomes are adequately described and comply with national and international standards. The verification of learning outcomes within the doctoral programme is carrierd out through an assessment system, organised in accordance with institutional regulations, ensuring a transparent and fair assessment.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Learning outcomes at UVT are assessed through ongoing assessment exams, final examinations and regulary presentations of achieved research results.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

Individual guidance from supervisors and a continous assessment system guarantee the achievement of the education objectives.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

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

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

All information regarding admission to doctoral studies is published on UVT's website and the website of SDSESN. The admission competition consists of an oral test concerning the canditate's knowledges and the presentation of a research project. The admission decision is taken by an evaluation committee consisting of all doctoral supervisors having candidates for admission.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The admission procedures are clearly formulated and transparent.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER.

There are no restrictions related to social status, ethnicity, gender or disability

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The applications are assessed by an Evaluation Committee ensuring a uniform and transparent evaluation of candidates. There were no cases of discrimination or unfairness reported.

✓ Aspects that constitute best practice examples

The admission of doctoral students by an evaluation committee.

✓ Recommendations

The indicator is: fulfilled.

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

There are clear regulations from admission to doctoral studies, to completion of studies and public defence of the doctoral thesis regarding the professional activity of students (Study Contract, Doctoral Study Plan, Research Path). Academic progress of students is monitored through annual reports. The annual reports are reviewed by the Academic Guidance and Integrity Committee.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The academic formation of PhD students in Mathematics at UVT is very well organized. Doctoral students confirmed that the rules were clearly communicated. But the step into the „real world" after graduation could be more supported.

✓ Aspects that constitute best practice examples

✓ Recommendations

✓ Organize periodic career fairs and support company start-ups and entrepreneurial activities

The indicator is: fulfilled.

Criterion B.8. Internationalisation process

Standard S.B.8.1. Internationalisation Improving the quality of education and research through internationalisation actions.	
Indicator I.P.B.8.1.1	The organisational component carries out international cooperation actions supporting mobility of the members of its own community and collaboration in academic and research activities.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

UVT and in particular SDSESN support mobility by international collaborations in the UNITA group, by its participation in the Erasmus Programmes and by its collaborations with Francophone Universities. According to the provided information, supervisors and teachers of the Doctoral Field Mathematics participate actively in renowned international conferences and have developed collaborations with renowed international scientists. PhD students present their research results at international conferences.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

According to the provided documents and the information obtained during the on-site visit, teachers and students of the Doctoral Field Mathematics of UVT are internationally active and visible.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

Criterion B.9. Scientific research results

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Scientific research activities are part of the training in the Doctoral Field Mathematics of SDSESN. Students earn credits for publication of research results and participition in international conferences.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

Publications in high quality journals, colaborations in research projects and the active participation in conferences prove the connection between scientific research and the education process.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Supervisors and students of the PhD Programme Mathematics publish articles in recognized journals and participate in scientific conferences. Supervisors organize international scientific events and are members of international scientific committees.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The scientific research activities of PhD supervisors and students are well documented. The Doctoral Field Mathematics of UVT is internationally recognized and renowned.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

DOMAIN C. Quality management

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

Standard S.C.1.1. Application Adequately implemented strategic directions, actions, and procedures	
Indicator I.P.C.1.1.1	The organisational component consistently carries out actions and applies procedures, proving their impact on improving the quality of education at the level of the study programme

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

IOSUD-UVT has developed an internal evaluation procedure reviewing scientific and teaching activities, research infrastructure and the organization of doctoral studies. The responsible Commission for Quality Assessment and Quality Assurance is supported by the Quality Management and Educational Process Support Service .

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

Not least because of the activities of ARACIS and the influence by European organizations such as ENQA, quality assurance and quality management have a high value at UVT. The University has implemented the necessary procedures (annual monitoring of students, checking quality of theses, analysis of research results, collecting feedback and internal audits) in order to monitor and improve quality of the Doctoral Field Mathematics.

✓ Aspects that constitute best practice examples

The ARACIS evaluation procedure and the reaction of the institutions to prepare for the evaluation have considerable improved during the last years. Observe that bureaucratic efforts do not superimpose the benefits of evaluation procedures. The reform of the ARACIS evaluation procedure goes in the right direction. Institutions should use evaluations as a unique chance for discussions on the future of the unit and for strengthening the corporate identity.

✓ Recommendations

The indicator is: fulfilled.

Standard S.C.1.2. Stakeholder engagement The HEI proves that it engages the stakeholders who have relevant activity in applying the procedures.	
Indicator I.P.C.1.2.1	The opinions of the members of its own community and of other stakeholders are taken into account in the procedure implementation process.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Students, graduates, teaching staff and administrative staff employers as well as institutional partners are consulted for their opinion in the process of implementation and revision of internal procedures. Councils of faculties, departments doctoral schools etc. meet periodically. Students complete regularly evaluation questionaires.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

Internal and external stakeholders of the Doctoral Field Mathematics are periodically consulted.

✓ Aspects that constitute best practice examples

The existence of service facilities for complaints concerning infrastructure and regarding teaching activities. In this manner it is recommended to formalize the inclusion of external stakeholders by defining fixed procedures for soliciting their opinion.

✓ Recommendations

The indicator is: fulfilled.

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

Standard S.C.2.2. Operation Quality assurance and academic ethics and conduct organisational structures adequately perform their specific role and functions.	
Indicator I.P.C.2.2.2.	The academic ethics commission operates based on the regulation approved by the University Senate, and performs actions that are compliant with the law, independently from any other structure or person in the higher education institution.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

The Ethics Committee of UVT operates according the regulations of the UVT Code of Academic Ethics and Professional Conduct and the Regulations for the Organisation and Functioning of the UVT Ethics Committee 2025, approved by the University Senate.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The Ethics Committee operates and acts independently on basis of regulations approved by the Senate on accordance with Law 199/2023. During the last 5 years there were no cases related to the Mathematics Doctoral Domain.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

Criterion C.3. Procedures for the initiation, monitoring and periodic review of the study programmes

and domains and of the performed activities, involving students, employers and other stakeholders

Standard S.C.3.1. Procedures and implementation of procedures The HEI has procedures for initiating, monitoring, and periodically reviewing the study programmes and domains and the performed activities, and applies them systematically.	
Indicator I.P.C.3.1.1	The organisational component consistently applies the procedures, and proves their impact on quality assurance.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Annual reviews and updatings of the Doctoral Field Mathematics are performed. The content of the courses is updated and modernised based on the needs of the doctoral students, on information from employers and new developments in mathematics. The scientific output of supervisors and students is collected.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The procedures for QA in the Doctoral Field Mathematics are clearly defined and work.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled .

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Teaching staff, students, graduates, employers and partners from relevant institutions are involved in the implementation process for reviewing the PhD Programme Mathematics. There are Committees responsible for reviewing the curricula. The main initiatives for revisions of the Doctoral Field Mathematics come from doctoral supervisors, research group partners and doctoral students.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The very good communication via e-mail groups in mathematics facilitates feedback on the implementation of procedures.

✓ Aspects that constitute best practice examples

✓ Recommendations

Encourage the involvement of international partners and employers into the further development of the PhD Programme in Mathematics.

The indicator is: fulfilled.

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

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

The procedures for the evaluation of teaching are well defined and working. The evaluation results are published, discussed and used for improvings. In order to close the evaluation loop and to motivate students and staff to participate actively in the procedures, changes that have taken place over the last few years and their impact and benefit on the quality of teaching were analysed in 2025.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

Evaluation procedures are in place and working.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled.

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

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

UVT systematically collects, records and analyses all data necessary for the internal QA processes. There is a digital platform on human resources and research activities, another platform for academic students records and another platform for the evaluation of teaching. Important information related to QA is even presented by the University Rector in his report.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

UVT's QA mechanisms and procedures work well.

✓ Aspects that constitute best practice examples

QA is even made a topic for the University Rector's Report.

✓ Recommendations

The indicator is: fulfilled.

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

Standard S.C.6.1. Transparency The organisational component ensures transparency of information, as required by the law.	
Indicator I.P.C.6.1.1	The organisational component ensures publication and access to information of public interest regarding the evaluated study programme.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

All important information on SDSESN and the Doctoral Field Mathematics can be found on the website https://doctorat.uvt.ro/ (programme's objectives, curriculum structure, course descriptions, admission procedures, doctoral school regulations, doctoral student's rights and obligations, language certificates, etc.). A list of teaching staff, research topics proposed by doctoral supervisors, information about mobility programmes are published on UVT's homepage too.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The transparency of information is adequat and in accordance with legal provision. The published data is regularly updated.

✓ Aspects that constitute best practice examples

✓ Recommendations

Important information on UVT's website exists only in Romanian language. Given the aim to be an international university, all important information should also be made available in English. This applies above all to Doctoral Studies.

The indicator is: fulfilled / partially fulfilled / unfulfilled.

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

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

Transparency of decision-making processes is ensured through internal regulations in force at UVT. Concerning the SDSESN decisions are taken by the management structures CSUD, the University Senate and the Board of Directors. Transparency of decision-masking processes is given by their publication.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The transparency of decision-making processes is adequately ensured in SDSESN.

✓ Aspects that constitute best practice examples

✓ Recommendations

The indicator is: fulfilled .

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

Standard S.C.8.1. Compliance with the external evaluation obligation The HEI undergoes external quality evaluation as required by the law.	
Indicator I.P.C.8.1.1	The organisational component carries out the procedures pertaining to the external quality evaluation process, aiming to organise the evaluated study programme as provided by the law.

✓ Presentation of the state of facts, supported by documents and data (documents preferably included through links in the body of the IER)

The Doctoral Field Mathematics operates within the Doctoral School of Exact and Natural Sciences SDSESN and undergoes periodic evaluations by ARACIS. The last evaluation took place in 2021, when the programme received the rating „Maintenance of accreditation". A progress report for the periodic evaluation was elaborated in 2024.

✓ Analysis of the state of facts, in relation with the state of facts acknowledged from documents and considering the analysed performance indicator, to justify judgement on the extent to which the indicator was fulfilled

The Doctoral Field Mathematics within SDSESN operates in accordance with the law, having been accredited and confirmed by ARACIS in 2021.

The members of SDSESN and the Doctoral Field Mathematics took the current evaluation very seriously and elaborated an excellent report (IER) for the evaluation team. All important data and information

were included in the IER. Apparenly, the evaluation was used for an important process of self-reflection within the domain.

✓ Aspects that constitute best practice examples

Excellent Internal Evaluation Report (IER) wich contains all necessary information on the PhD Programme Mathematics in a clear and compact form.

✓ Recommendations

The indicator is: fulfilled.

IV. SWOT Analysis

Strengths:		Weaknesses:
✓ UVT enjoys a high reputation in teaching and research, both nationally and internationally. ✓ The PhD supervisors in Mathematics are highly qualified, with internationally recognized scientific activity (research, publications and conference-talks). ✓ Easily accessible and clear information about the doctoral program available on the UVT website; ✓ Doctoral supervisors with experience in the field; ✓ All teaching staff hold tenured positions and meet the current CNATDCU standards; ✓ The Doctoral School of Mathematics has a longstanding tradition, national and international visibility ✓	INTERNAL FACTORS	✓ Limited resources for long-term mobility. ✓ Little attention of the Doctoral Programme Mathematics from international students due to the lack of comprehensive information in English (e.g. a guide for international students in English).

SWOT analysis

Opportunities: ✓ Growing demand for university graduates with the ability to think analytically. ✓ Timisoara is a nice and friendly city with a multicultural background. ✓ Increased international mobility of future doctoral students; ✓ Increased international mobility of doctoral supervisors; ✓ Financial support for doctoral supervisors and PhD students to participate in international conferences and to publish scientific articles in indexed journals.	 EXTERNAL FACTORS	**Threats:** ✓ Slow adaptation to EU standards in doctoral training; ✓ Changing demand for educational services from key consumers; ✓ Weak contacts of Romanian Universities with industry and economy (lack of internships, research projects with companies, etc.).

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			

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
1.	I.P.A.1.1.1 For delivering the study programme/domain, the HEI has adequate organisational components and an adequate management system, which operate based on methodologies, regulations and procedures that are periodically reviewed as required by law.	F	✓ Ensure access to and regular updates of information about the Research Centers https://icam.uvt.ro/
2.	I.P.A.1.2.1 The opinions of the faculty and department members, of the subsidiary or extension and of other stakeholders are considered in the process of adopting and revising methodologies, regulations and implementation procedures.	F	
3.	I.P.A.2.1.1 The HEI legally owns venues for the related education, research and administrative processes, as well as for services for students, 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.	F	
4.	I.P.A.2.2.1 The movable and immovable assets are properly maintained to ensure optimal conditions for studying, living and research, as well as for work.	F	✓ Make high investments into buildings and research infrastructure more visible on ICAM homepage.
5.	I.P.A.3.1.1 The human resources of the organisational component are suitable to perform the activities pertaining to the evaluated study programme/domain. The teaching staff has the required qualifications and professional competences to teach the subject matters assigned to them in the job list.	F	✓ Provide all CVs of supervisors in CSUD Mathematics on the homepage also in English language.
6.	I.P.A.3.1.2 The HEI ensures professional and personal development for its staff.	F	
7.	I.P.A.3.2.1 Recruitment procedures comply with the provisions of the law, and are established and carried out transparently.	F	
8.	I.P.A.4.1.1 The organisational component uses IT tools in its own procedures, to improve access and provide good quality services for the members of its own community and the indirect beneficiaries of education.	F	
DOMAIN B. Educational efficacy			
9.	I.P.B.1.1.1 The study programme is developed and structured according to the expected learning outcomes, and organised based on transferable study credits. It includes all learning, teaching, practical training, research and evaluation experiences, which, together, lead to a higher education qualification.	F	✓ increasing the number of ECTS credits allocated for participating in prestigious international conferences ✓ increasing the number of ECTS credits allocated for

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
			publishing articles in WOS-indexed journals
10.	I.P.B.2.1.2 The expected learning outcomes are correlated with the competences required by those occupations, according to the occupational standards and/or the European Skills, Competences and Occupations (ESCO).	F	
11.	I.P.B.3.1.1 The organisational component ensures implementation of the student-centred learning in the curriculum and through the teaching strategies used in the learning and teaching activities and experiences.	F	
12.	I.P.B.3.1.2 The organisational component ensures opportunities for students to participate in academic mobility programmes organised in person and/or virtually.	F	✓ Encourage short-term stays abroad (reserch visits /international conferences) or internal internships to enterprises ✓ encouraging PhD students to give oral presentations at international conferences in their field
13.	I.P.B.3.2.1 The organisational component provides fair opportunities for students, in line with their potential and aspirations, taking into account the diversity of learning styles and abilities.	F	
14.	I.P.B.4.1.1 The organisational component provides students, including those with special educational needs/disabilities, with access to resources and services designed to support the learning process, adequate for the individual learning needs, the study domain, the study cycle, and the form of organisation of the study programme.	F	
15.	I.P.B.5.1.1 Learning outcomes are adequately described, and they support understanding of the students' and teachers' expectations regarding the content of the subject matters in the curriculum.	F	
16.	I.P.B.5.1.2 Achievement of the learning outcomes is checked in ongoing examinations and study completion exams.	F	
17.	I.P.B.7.1.1 The organisational component applies the admission procedures.	F	
18.	I.P.B.7.1.2 Admission in higher education study programmes complies with the principles of fairness and equal opportunities, and with the establishing of support measures to ensure access of vulnerable groups at social and educational risk, including candidates with special educational needs and/or disabilities.	F	

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.	F	✓ Organize periodic career fairs and support company start-ups and entrepreneurial activities.
20.	I.P.B.8.1.1 The organisational component carries out international cooperation actions supporting mobility of the members of its own community and collaboration in academic and research activities.	F	
21.	I.P.B.9.1.1 Learning based on scientific investigation and research results support and are capitalised upon in achieving the learning outcomes envisaged through the study programme.	F	
22.	I.P.B.9.2.1 The results of scientific research are visible at national and international level in that scientific domain, and capitalised upon in an adequate manner.	F	
DOMAIN C. Quality management			
23.	I.P.C.1.1.1 The organisational component consistently applies the procedures, and proves their impact on quality assurance.	F	
24.	I.P.C.1.2.1 The opinions of the members of its own community and of other stakeholders are taken into account in the procedure implementation process.	F	
25.	I.P.C.2.2.2. The academic ethics commission operates based on the regulation approved by the University Senate, and performs actions that are compliant with the law, independently from any other structure or person in the higher education institution.	F	
26.	I.P.C.3.1.1 The organisational component consistently applies the procedures, and proves their impact on quality assurance.	F	
27.	I.P.C.3.1.2 Members of its own community and other stakeholders are involved in the procedure implementation process.	F	✓ Encourage the involvement of international partners and employers into the further development of the PhD Programme Mathematics.
28.	I.P.C.4.1.1 The organisational component analyses the results of the students' biannual evaluation of teachers.	F	
29.	I.P.C.5.1.1 The organisational component systematically collects and analyses data required for the internal quality assurance process.	F	

No.	Performance Indicator	Extent to which it was fulfilled (F/PF/UF)	Recommendations
30.	**I.P.C.6.1.1** The organisational component ensures publication and access to information of public interest regarding the evaluated study programme.	F	✓ All important information should also be made available in English. (This applies above all to Doctoral Studies.)
31.	**I.P.C.6.1.2** The organisational component ensures transparent decision-making processes.	F	
32.	**I.P.C.8.1.1** The organisational component carries out the procedures pertaining to the external quality evaluation process, aiming to organise the evaluated study programme as provided by the law.	F	

Summary Table of Performance Indicators – Degree of Fulfillment

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

Other, general recommendations that were not given within the analysis of a specific performance indicator can be presented here.
Sum up the number of analysed performance indicators, and specify how many were assessed as fulfilled, partially fulfilled, and unfulfilled, if any.

VI. Conclusions

A number of important aspects noted during the evaluation are reiterated here, and general conclusions are made about the quality of education delivered within the evaluated doctoral study domain.

The Doctoral Programme Mathamatics at UVT is excellent. But we have a recommendation not only for UVT but also for other Romanian universities offering Master and PhD Programms in Mathematics: In our society mathematicians are highly wanted specialists not only in research institutions but also in business.

Try to intensify contacts to local, national and international enterprises and support entrepreneurial activities and start-ups of graduates and staff.

Propose and substantiate a decision.

Following the completion of the accreditation/maintaining accreditation procedure, the decision of the evaluation panel shall be one of the following:*

a) accreditation* (AC)/maintaining accreditation (MAC);
b) conditional maintaining of the provisional authorisation to operate* (CMPA)/conditional maintaining of accreditation (CMAC);
c) non-accreditation* (NAC)/withdrawal of the accreditation (WAC).

The Doctoral Programme Mathematics operates within Doctoral School of Exact Sciences and Natural Sciences (SDSESN). All legal requirements (Romanian legislation concerning doctoral studies and ARACIS performance indicators) are fulfilled. The Doctoral Programme Mathematics is very well organized. The administration at UVT works excellently and captures all important data. The Programme is permanently adapted and improved. The PhD supervisors are internationally renowned experts. The infrastructure is excellent and totally up-to-date.

We strongly recommend Maintaining Accreditation (MAC).

VII. Annexes

Enclose the schedule of the on-site visit, the list of the documents reviewed, as well as any other documents that are relevant for the evaluation procedure, which are referred to in the EER and cannot be accessed through links.

* When the external quality evaluation for accreditation is performed with undergoing the procedure for obtaining a provisional authorisation to operate.

Intervalul orar/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
Miercuri/ *Wednesday*, 16.09.2026			
10:30-11:00	Discuții tehnice în cadrul comisiei de experți în evaluarea externă a calității/ *Technical discussions within the expert committee for external quality evaluation*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ **Room/Location: 128**
11:00-12:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu **reprezentanții conducerii componentei organizatorice**/ *Meeting of the external quality evaluation experts' panel with the representatives of the management of the organisational component*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Reprezentanți ai conducerii componentei organizatorice aferente domeniului de studii de doctorat evaluat/ *Representatives of the management of the organisational component* - Persoana de contact/ *Contact person*	Sala/Locația/ **Room/Location: F103** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the meeting**: - Prof. univ. Dr. D. V. – Dean Faculty of Physics and Mathematics - Conf. univ. Dr. M. Ş. – vicedean, Faculty of Physics and Mathematics, - Prof. univ. Dr. M. L. – director SDSESN (Doctoral School of Exact Sciences and Natural Sciences)
12:00-13:30	Pauză de prânz/ *Lunch*		
13:30-14:30	Întâlnirea comisiei de experți evaluatori în evaluarea externă a calității cu **echipa care a realizat raportul de evaluare internă (REI)**/ *Meeting of the external quality evaluation experts' panel with the team that has drafted the internal evaluation report*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Echipa care a realizat REI/ *Team that has drafted the IER*	Sala/Locația/ **Room/Location: 128** - Prof. Dr. M. L. – director SDSESN (Doctoral School of Exact Sciences and Natural Sciences) - Contact person: Prof. Dr. A. L. S.
14:30 - 16:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu **personalul didactic** implicat în activitățile din cadrul DSUD/ *Meeting of the*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ **Room/Location: 128** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the**

Intervalul orar/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
	external quality evaluation experts' panel with the teaching staff involved in the activities within the DSUD	- Cadre didactice conducători de doctorat/ *Teaching staff who are PhD supervisors*	**meeting**: Prof. Dr. K. E., Prof. Dr. J. P., Prof. Dr. L. C. V..l, Prof. Dr. N. M., Prof. Dr. S. A. L., Prof. Dr. S. B.
16:00 -16:30	Pauză/ *Break*		
16:30-17:00	**Întâlnirea tehnică** a comisiei de experți evaluatori (Activitate în colaborare pentru clarificarea aspectelor prezentate în REI)/ *Technical meeting of the expert evaluation panel (Collaborative activity for clarifying the aspects presented in the Internal Evaluation Report - IER)*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ **Room/Location: 128**
Joi/*Thursday*, 17.09.2026			
08:30 - 09:00	**Întâlnirea tehnică** a comisiei de experți evaluatori (Activitate în colaborare pentru clarificarea aspectelor prezentate în REI)/ *Technical meeting of the expert evaluation panel (Collaborative activity for clarifying the aspects presented in the Internal Evaluation Report - IER)*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ **Room/Location: 128**
09:00-10:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu **responsabilii centrelor/laboratoarelor de cercetare/** *Meeting of the external quality evaluation experts' panel with the staff in charge with the research centres/laboratories*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Responsabilii centrelor/laboratoarelor de cercetare/ *Staff in charge with research centres/laboratories*	Sala/Locația/ **Room/Location: ICAM, B223** Lista persoanelor care vor participa la întâlnire/ List of participants attending the meeting: Prof. Dr. K. E., Prof. Dr. S. B. - Contact person: Prof. Dr. A. L. S.
10:00 -10:30	Pauză/ *Break*		

Intervalul orar/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
10:30 -12:00	Vizitarea bazei materiale/ *Visiting the material resources*	- Comisia de experţi evaluatori ai ARACIS/ *Panel members* - Reprezentanţi ai instituţiei sau Academiei Române, după caz/ *Representatives of the HEI or the Romanian Academy, as applicable*	Rooms 128, 114, 105, 104, 130, A03 si Biblioteca Centrala Universitara Eugen Todoran Prof. Dr. L. M., Dr. C. I., PhD student G. A.
12:00-13:30	Pauză de prânz/ *Lunch*		
13:30 - 14:30	Întâlnirea comisiei de experţi în evaluarea externă a calităţii cu **studenţi** [1] **doctoranzi** din cadrul DSUD/ *Meeting of the external quality evaluation experts' panel with doctoral students of the DSUD*	- Comisia de experţi evaluatori ai ARACIS/ *Panel members* - Studenţi doctoranzi/ *Doctoral students*	Sala/Locaţia/ **Room/Location: 128** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the meeting**: J. D.-F., S. A.-E., B. L.-F.-R., T. S.-N., G. A.-A., N. I.-V., A. A.-M., M. M.-R., G. A., P. C.-F.
14:30-15:30	Întâlnirea comisiei de experţi în evaluarea externă a calităţii cu **absolvenţi**[2],[3] ai DSUD/ *Meeting of the external quality evaluation experts' panel with alumni[4] of the DSUD*	- Comisia de experţi evaluatori ai ARACIS/ *Panel members* - Absolvenţi ai domeniului de studii evaluat/ *Graduates*	Sala/Locaţia/ **Room/Location: 128** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the meeting**: B. R., C. I., V. L., C. L., Ş. A. (C.)
15:30-16:30	Întâlnirea comisiei de experţi în evaluarea externă a calităţii cu **angajatori** ai absolvenţilor DSUD/	- Comisia de experţi evaluatori ai ARACIS/ *Panel members* - Angajatori/ *Employers*	Sala/Locaţia/ **Room/Location: 128** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the meeting**: - Nume – functia/Name- Position

[1] Nu este obligatorie în cazul autorizării domeniilor de studii universitare de doctorat/ It is not mandatory in the case of authorization of doctoral university study domain.
[2] Se va evita invitarea absolvenţilor care sunt angajaţi ai IÎS 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/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
	Meeting of the external quality evaluation experts' panel with employers[5] *of the DSUD alumni*		Associate Professor Dr. L. C.-B., President of the Senate of Politehnica University Timişoara Associate Professor Dr. T. B.. Head of the Department of Mathematics, Politehnica University, Timişoara Associate Professor C. B. – Faculty of Informatics Dr. N. M. S., Dean of the Faculty of Computer Science and Applied Informatics, Tibiscus University, Timisoara, former Mathematics Inspector Timis County C. R. - engeneering manager AXON (IT representative)
16:30 - 17:00	**Întâlnirea tehnică** a comisiei de experți evaluatori (Activitate în colaborare pentru clarificarea aspectelor prezentate în REI)/ *Technical meeting of the expert evaluation panel (Collaborative activity for clarifying the aspects presented in the Internal Evaluation Report - IER)*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ **Room/Location: 128**
Vineri/Friday, 18.09.2026			
08:30 - 09:00	**Întâlnirea tehnică** a comisiei de experți evaluatori (Activitate în colaborare pentru clarificarea aspectelor prezentate în REI)/ *Technical meeting of the expert evaluation panel*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ **Room/Location: 128**

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

Intervalul orar/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
	(Collaborative activity for clarifying the aspects presented in the Internal Evaluation Report - IER)		
09:00-10:00	Întâlnirea comisiei de experți în evaluarea externă a calității cu membri ai **Comisiei de etică universitară/** *Meeting of the experts panel with members of the University Ethics Committee*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Membri ai Comisiei de etică universitară/ *Members of the University Ethics Committee*	Sala/Locația/ **Room/Location: F103** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the meeting**:: - Prof. Dr. G. M., member of the University Ethics Committee - Prof. Dr.M. C. – member of the University Ethics Committee from the Faculty of Physics and Mathematica
10:00 -11:30	Întâlnirea comisiei de experți în evaluarea externă a calității cu **reprezentanţi ai conducerii componentei organizatorice/persoana de contact/reprezentanţi ai CEAC/reprezentanţi ai structurilor organizatorice în domeniul asigurării calităţii**[6]**/** *Meeting of the external quality evaluation experts' panel with representatives of the organisational component / contact person / representatives of the CEAC / representatives of quality assurance organisational structures*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Reprezentanți ai conducerii / reprezentanți ai CEAC / reprezentanți ai structurilor organizatorice în domeniul asigurării calității/ *Representatives of the management / representatives of the CEAC / representatives of the quality assurance organisational structures* - Persoana de contact*/ Contact person*	Sala/Locația/ **Room/Location: F103** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the meeting**: - Prof. Dr. D. V. – Dean Faculty of Physics and Mathematics, - Prof. Dr. I. M. - Vicerector in charge of education activities - D. B. - Department of Management in Education - A. B. – Quality Management Service and Support for the Educational Process - Contact Person: Prof. Dr. M. L., Prof. Dr. M. P., Prof. Dr. A. L. S.
11:30 -12:30	Finalizarea activităților de evaluare/ *Completion of evaluation activities*	- Comisia de experți evaluatori ai ARACIS/ *Panel members*	Sala/Locația/ **Room/Location: 128**

[6] Clarificarea unor aspecte rezultate din activitățile și discuțiile desfășurate pe parcursul efectuării vizitei, dacă se impune

Intervalul orar/ *Hour*	Activităţi de evaluare/ *Evaluation activities*	Participanţi/ *Participants*	Locaţie/*Location* /Listă participanţi/*List of Participants*
12:30-14:00	Pauză de prânz/ *Lunch*		
14:00 - 15:00	Întâlnirea membrilor comisiei de experți evaluatori cu reprezentanții conducerii IÎS sau a OFE, după caz și ai conducerii componentei organizatorice pentru comunicarea concluziilor procesului de evaluare/ *Meeting of the members of the expert evaluators' panel with representatives of the management of the HEI or the EP, as applicable, and management of the organisational component, to communicate the conclusions of the evaluation process*	- Comisia de experți evaluatori ai ARACIS/ *Panel members* - Reprezentanți ai conducerii și ai domeniului de studii evaluat/ *Representatives of the management* - Persoana de contact*/ Contact person*	Sala/Locația/ **Room/Location: F103** Lista persoanelor care vor participa la întâlnire/ **List of participants attending the meeting**: - Prof. Dr. A. F. S. - Director IOSUD - Prof. Dr. D. V., Dean of the Faculty of Physics and Mathematics - Prof. Dr. M. L., Director SDSESN - Contact person: Prof. Dr. A. L. S.