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Annex No. 3

The External Evaluation Report of a Doctoral Study Domain

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I. Introduction

In this chapter, the following shall be summarized:

- the context in which this external evaluation report was drafted (the type of evaluation, the period of the evaluation visit, the composition of the Experts Committee etc.);
- details about the doctoral school(s) of which the doctoral domain under review is part (number of doctoral advisors, number of students, institutional context, short history etc.);
- details about the doctoral study domain under review (number of students, institutional context, short history etc.).

The evaluation of the doctoral study domains of the Pitesti University was during 22-26.11.2021. Due to the pandemic all activities for foreign evaluators were organised online over developed schedule of meetings with key representatives from the domain. (Annex 1)

The team for the Mechanical engineering doctoral school was:

- expert evaluator Prof. Cerbu Camelia, Universitatea "Transilvania" Brașov
- expert international, Djidrov Mishko, "Goce Delcev" University, Republic of Macedonia,
- student representative: Oncescu Teofil-Alin

The site visit was organised on 24.11.2021 where Prof. Cerbu Camelia and student representative Oncescu Teofil-Alin made the visit.

The first higher education school in Piteşti was founded in 1962 and was called the "3-year Pedagogical Institute" in different areas. The Institute of Sub Engineers was established in 1969 and united in 1974 under the name of the Institute of Higher Education. Subsequently, there were various other forms of organization and in 1991 it became autonomous and received the name "University of Pitesti".

University of Pitesti is organised into 6 faculties and IOSUD/CSUD-Doctorate.



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The Ministry of Teaching in 1997 granted the University for organising doctoral studies in the scientific branch named TECHNICS, at the specializations Technical Mechanics and Mechanical Vibrations, Technology of Machines' Construction, Automobiles and Tractors. It functioned respectively, as follows:

- 1999 I.O.D. in the fundamental doctoral domain Engineering Sciences (Mechanical Engineering, Industrial Engineering, and Automotive Engineering),
- 2000 I.O.D. in the domains Science and Engineering of Materials, Electronic Engineering and Telecommunications, Mathematics and Informatics,
- 2005 I.O.D. in the domain Biology.

During the academic year 2020-2021 the reorganization of the doctoral schools and the doctoral schools of Biology, Mathematics, Informatics and Mechanical Engineering being merged into the Interdisciplinary Doctoral School with 7 domains: Materials Engineering, Electronic Engineering, Telecommunications and Informational Technologies, Industrial Engineering, Mechanical Engineering, Mathematics, Informatics, and Biology.

The domain of evaluation, the domain of Mechanical Engineering is coordinated by the Interdisciplinary Doctoral School within IOSUD – University of Piteşti.

The mission and the objectives of this doctoral domain are in accordance with the overall mission and objectives of the University of Pitesti:

- train specialists in the field of Mechanical Engineering;
- produce and transmit scientific information in order to enhance knowledge in the domain of Mechanical Engineering;
- develop skills and professional performance of the teaching staff within the Interdisciplinary Doctoral School, Mechanical Engineering domain, IOSUD – University of Piteşti and of the research staff within the University of Piteşti;
- enrich scientific heritage by publishing scientific works (articles, books, etc.);
- attract specialists in the research directions of the Mechanical Engineering Doctoral School;
- develop collaboration with other universities, research institutes, doctoral schools in the country and abroad by signing collaboration agreements, doctoral co-tutelages, partnerships within various research contracts, etc.

This mission is planned to be delivered in Strategic Plan of the University of Piteşti and Regulation for the organizing and development of doctoral study programmes within IOSUD – University of Piteşti that has clear objectives.

This doctoral school has 3 doctoral supervisors and 8 doctoral students (3 with doctoral grant, 1 with extension and 2 from The Romanian Academy. Between 2016 and 2020, at this domain 2 theses were publicly defended.

II. Methods used

This chapter will contain the methods and tools used in the external evaluation process, before and during the evaluation visit, including at least:

- The analysis of the internal evaluation report of the doctoral study domain under review and its Annexes;
- The analysis of documents made available by the IOSUD, in physical format, during the evaluation visit (if such documents have been requested);
- The analysis of documents, data and information available on the IOSUD/Doctoral School(s) website, in electronic format;



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- Visiting the buildings included in the institution's property, comprising (indicative and non-exhaustive list, which shall be changed according to the context):
 - classrooms;
 - laboratories:
 - the institution's library;
 - research centers;
 - the Career Counselling and Guidance Center;
 - lecture halls for students;
 - the student residences:
 - the student cafeteria:
 - sports ground etc.;
 - Meeting/discussions with doctoral students in the doctoral study domain under review;
 - Meeting/Discussions with the graduates of the doctoral study domain under review;
 - Meeting/Discussions with employers of the graduates in the doctoral study domain under review;
- Meeting/Discussions with the school officials of the Doctoral School(s) in which the doctoral study domain under review is operating;
 - Meeting/Discussions with the doctoral advisors in the doctoral study domain under review;
- Meeting/discussions with the representatives of the various structures of the IOSUD/Doctoral School(s) in which the doctoral study domain under review is operating:
 - The Council of the Doctoral School, the University Senate, the Board of Directors, the Quality Assessment and Assurance Commission, the Quality Assurance Department, the Ethics Commission (including with the student representatives of these structures);
 - the Career Counselling and Guidance Center;
 - student organizations;
 - secretariats:
 - various departments/administrative offices (Social/Student residences-Cafeterias etc.);
- Application of questionnaires to doctoral students or academic staff in the doctoral study domain under review.

For the process of evaluating the doctoral study domain the starting point of the evaluation was analysis of the Self-assessment report. The structure and the elements well enough define the doctoral domain on 50 pages. The report had links that were not connected to the cloud service but to some shared folder that was inactive. But they were well named and it was easy to find the proper document on the cloud service.

Since the international evaluators were only working online and no visit was conducted, the documents that were analysed were presented in an electronic form on the cloud service site and send by email. All presented documents were more than sufficient for the purpose of the evaluation.

The meeting/discussions were organised online on Zoom platform in a timely manner basing on the agreed time frame of work. The meeting/discussions all were opened with few information from who are we meeting and then most of the participants represented their position or relation to the doctoral domain. After that open discussion was encouraged with questions asked by the evaluators. Easily the discussion was developed in an open conversation that leaded to clarification of many key points.

For the meeting with PhD students questionnaire was prepared and distributed and analysis was done on the results.



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III. Analysis of ARACIS's performance indicators

Domain A. INSTITUTIONAL CAPACITY

The capacity of the institution is presented over the capacity of the Interdisciplinary Doctoral School, where the mission is to "continuously ensure and enrich the environment of scientific formation of the PhD students, in order to generate the knowledge and to achieve excellent results in the processes of scientific research, development, innovation and transfer of know-how to the domestic and foreign society, answering in this way to its necessity to progress" (Self-evaluation report page 6)

Criterion A.1. The administrative, managerial institutional structures and the financial resources

The doctoral study domain work is framed in the following normative acts:

- Approval of CNATDCU from 22.07.1997 address of the Ministry of Teaching no. SS/MT/3 and
- Order of the Minister of National Education no 3012/.05.01.1999,
- provisions of Law 1/2011 The Law of National Education, of the Government Decree no 681/03.08.2011,
- Address of the Ministry of Teaching no 11128/23.07.1997

Standard A.1.1. The institution organizing doctoral studies (IOSUD) has implemented the effective functioning mechanisms provided for in the specific legislation on the organization of doctoral studies.

Performance Indicator A.1.1.1. The existence of specific regulations and their application at the level of the Doctoral School of the respective university doctoral study domain:

- (a) the internal regulations of the Doctoral School;
- (b) the Methodology for conducting elections for the position of director of the Council of doctoral school (CSD), as well as elections by the students of their representative in CSD and the evidence of their conduct:
- c) the Methodologies for organizing and conducting doctoral studies (for the admission of doctoral studies);
- d) the existence of mechanisms for recognizing the status of a Doctoral advisor and the equivalence of the doctoral degree obtained abroad;
- e) functional management structures (Council of the doctoral school), giving as well proof of the regularity of meetings;
 - f) the contract for doctoral studies;
- g) internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.
- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

Regulation on the organization and conduct of doctoral studies at the Interdisciplinary Doctoral School are regulated by Code of the academic doctoral studies with its subsequent modifications and completions, Regulation regarding the organization and the progress of the university doctoral studies within IOSUD University of Piteşti and Regulation for the organization and operation of the university doctoral studies within the Interdisciplinary Doctoral School of IOSUD University of Piteşti.



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1. the internal regulations of the Doctoral School;

One of the objectives it to – "Monitoring of the application of regulations, methodologies and procedures and the revision of these documents in the Quality Management System (SMC) for the improvement of the processes carried out within the University of Pitești". This clearly defines monitoring of regulation as a key for better quality at the university.

There are documents supporting the existence of regulation.

For example, **Annex I.1.1.6** Regulations of the Interdisciplinary Doctoral School. This document was uploaded to the cloud service as the other Annexes, but it was in Romanian language. The information should be on the English part of the internet site not for the purpose of this evaluation but for the purpose of internationalisation.

Through different meetings with the professors, it was established that there are regulations for the work of the doctoral school.

The graduated students at the students that are part of university now, also stated that they have clear regulations that they are aware of, and they didn't have any surprises in some regulation changes. They prised the meetings or gatherings that they had for explanation of the procedures that helped them a lot in the studying and administrative processes.

2. the Methodology for conducting elections for the position of director of the Council of doctoral school (CSD), as well as elections by the students of their representative in CSD and the evidence of their conduct:

Few annexes define these criteria: Annex II.A.1.1.1, Annex II.A.1.1.1.2, Annex II.A.1.1.1.3, Annex II.A.1.1.1.4, Annex II.A.1.1.1.5, Annex II.A.1.1.1.6, Annex II.A.1.1.1.7 and Annex II.A.1.1.1.8. All these documents are uploaded on the cloud service and they are only in Romanian language.

Throughout the meetings with students the question for the elections by the students of their representative was not clearly answered. They were not aware of such a procedure for election. This does not mean that there is no procedure, but it was not clearly presented and the students did not know the whole procedure.

3. the Methodologies for organizing and conducting doctoral studies (for the admission of doctoral students, for the completion of doctoral studies);

There are dedicated documents for organising and conducting doctoral studies and they are in Annex I.2.2.1, Annex I.2.2.2, Annex I.2.2.3, Annex I.2.2.4, Annex II.A.1.1.1.9, Annex II.A.1.1.1.10, Annex II.A.1.1.1.11, Annex II.A.1.1.1.12 and Annex II.A.1.1.1.13.

The director and Council have the responsibility to carrying out the procedures for organizing the admission to doctoral studies, for monitoring the activity of doctoral students and the program of scientific research for the students.

Each doctoral student must take entrance exam to be enrolled and enrolment to the doctoral school is made based on the decision issued by the Rector. This was hard to understand and basic Google transiting was used from the text in the annexes. Me, as a foreign evaluator cannot comment more for the process since the annexes are in Romanian language.

4. the existence of mechanisms for recognizing the status of a Doctoral advisor and the equivalence of the doctoral degree obtained abroad;

There are two annexes for procedures, respectively the recognition of the quality of doctoral supervisor and the equivalence of the doctoral title obtained abroad. These documents were presented in the cloud service:



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- **Annex II.A.1.1.14** Procedure concerning the automat recognition within UPIT of the diploma and doctor title obtained in other countries 2019
- **Annex II.A.1.1.15** Operational Procedure concerning the automat recognition within UPIT of the quality of doctoral supervisor obtained in other countries
 - 5. functional management structures (Council of the doctoral school), giving proof of the regularity as well of meetings;

As presented in the self-evaluation report, functional management structures are presented in Annex II.A.1.1.16 and Annex II.A.1.1.17. It is clear, that the Council of the Interdisciplinary Doctoral School had a series of meetings.

Throughout the meetings the management structures were presented and explained.

6. the contract for doctoral studies;

In the self-evaluation report and cloud service there is an information in **Annex II.A.1.1.18** and **Annex II.A.1.1.19**. There were not comments from the students regarding this document.

- 7. internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.
- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report it is written that the doctoral study programs are established "through direct discussions and consultations with the members of the Doctoral School Council, considering the Internal Plan for Research-Development-Innovation". It is not clear in the report what "Internal Plan for Research-Development-Innovation" is.

As explained in the self-evaluation report and over the meetings, the PhD student proposes the topic together with the supervisor and then the Doctoral School Council analyses it. They together with the supervisor, finalizes the topic that is included in the PhD student study contract. Afterwards they define advance and specific training program and propose to the council.

The annex is in Romanian language and no further analysis was done, just basic google translation.

All our meetings with the students, graduated PhD students and professors and council members, helped us to see the internal procedures for the analysis and approval of proposals.

Recommendations:

- Clear regulation translated into English must be clearly positioned on the internet site. This is not much needed for managing the institution, but for internalization of the doctoral studies.
- Clear procedure for elections by the students of their representatives is needed.

The indicator is fulfilled

Performance Indicator A.1.1.2. The doctoral school' Regulation includes mandatory criteria, procedures and standards binding on the aspects specified in Article 17, paragraph (5) of the Government Decision No. 681/2011 on the approval of the Code of Doctoral Studies with subsequent amendments and additions.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself



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 analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

The key annex here is **Annex I.1.1.6** Regulation of the Interdisciplinary Doctoral School. All information presented in the self-evaluation report and information gathered from the meetings support the regulation defined in the annex.

Article 17, paragraph (5)	Evaluation Findings*		
a) acceptance of new thesis supervisors and the	As stated in the annex, Art. 10 defines specific		
manner whereby a thesis supervisor may excluded	references to the way of accepting new supervisors		
from the doctoral school;	and in Art. 11 defines how supervisor can be excluded.		
b) mechanisms for deciding on the adequacy, make-	In Art. 12 the mechanisms for structure and content of		
up and contents of the advanced university studies	the training program is defined.		
programme;			
c) procedures for replacing a doctoral student's thesis	Art. 13 and art. 14 describe the procedures for		
supervisor and conflict mediation procedures;			
	conflict mediation procedures.		
d) conditions for interrupting a doctoral programme;			
e) means for preventing research fraud, including	ding This is well defined in Article 16 paragraphs 1-4 an		
plagiarism;	over the interviews we have proven that this is in		
	practice and no fraud or plagiarism is common.		
f) providing access to research resources;	This is defined in art. 17 paragraph 1-3 and over the		
	meetings we have gathered different information		
regarding this measure.			
g) doctoral students' attendance requirements, based	In art. 18 paragraph 1-3 the methodologies elaborated		
on a methodology developed by the Ministry of	by the Ministry of National Education is explained and		
Education, Research, Youth and Sports.	doctoral supervisor establishes the place of		
	development of the students.		

^{*}All annexes are in Romanian language. Basic google translation was used to analyse all the criteria. Meetings helped a lot in the evaluation.

Recommendations: /

The indicator is fulfilled.

Standard A.1.2. The IOSUD has the logistical resources necessary to carry out the doctoral studies' mission.

Somehow this standard was analysed in over all the meetings, since all the representatives, starting from PhD students to professors and supervisors mentioned the value of logistical resources for better work.

Performance Indicator A.1.2.1. The existence and effectiveness of an appropriate IT system to keep track of doctoral students and their academic background.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
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As stated in the self-evaluation report there is a system that is software made in Microsoft Access with few features. Annex is mentioned, **Annex II.A.1.2.1.1** but it is not related to the software.



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Recommendations: /

The indicator is fulfilled.

Performance Indicator A.1.2.2. The existence and use of an appropriate software program and evidence of its use to verify the percentage of similarity in all doctoral theses.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
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There is an anti-plagiarism system in place - www.sistemantiplagiat.ro. They used SEMPLAG program until 2020, for percentage of similarity in doctoral dissertations. There are documents presented regarding plagiarism checking of thesis and there is procedure presented in **Annex II.A.1.2.2.4** The anti-plagiarism procedure.

Students were asked about this in a questionnaire and they rate it positively with great response rate.

Recommendations: /

The indicator is fulfilled.

Standard A.1.3. The IOSUD makes sure that financial resources are used optimally, and the revenues obtained from doctoral studies are supplemented through additional funding besides governmental funding.

Performance Indicator A.1.3.1. Existence of at least one research or institutional / human resources development grant under implementation at the time of submission of the internal evaluation file, per doctoral study domain under evaluation, or existence of at least 2 research or institutional development / human resources grant for the doctoral study domain, obtained by doctoral thesis advisors operating in the evaluated domain within the past 5 years. The grants address relevant themes for the respective domain and, as a rule, are engaging doctoral students.

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In the self-evaluation report information is given on some grants related to probably some relevant themes of research at this domain. There is no annex to clearly define this.

For example:

- Modular and reconfigurable robotic system for earthquake simulation, Implementation of additive technologies in the manufacture of complex and overloaded components.
 - This is related to the domain, but it needs to be clarified with some document.
- Services for the evaluation of the static and dynamic behaviour of the support plate on viscoelastic supports related to the Gamma building from the ELI-NP research facility, under the conditions of removal (by demolition) of a precast concrete wall,
 - o It might be related to the domain, though it looks like it is related to civil construction and it needs to be clarified with some documents.



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- Support group with mixed damping, in modular design, for dynamic insulation to seismic actions of bridges and viaducts
 - It is related to the domain and it needs to be clarified with some documents.

Later, due to reaction from the evaluation group we received extra documents. They justified some grant allocations.

Recommendations:

There should be more funds for research on domain level and on university level.

The indicator is partly fulfilled

Performance Indicator *A.1.3.2. The percentage of doctoral students active at the time of the evaluation, who for at least six months receive additional funding sources besides government funding, through scholarships awarded by individual persons or by legal entities, or who are financially supported through research or institutional / human resources development grants is not less than 20%.

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There aren't any annexes related to this criterion. As stated in the self-evaluation report, Dragna Ionuţ-Bogdan is a member of the collaborative applied research project PNCDI II - Collaborative Projects of Applied Research, PN-II-PT -PCCA-2013-4-0392. There is no grant info and how it contributes to the overall grants needed for this criterion of 20%.

From Table I.2.3. The progress of the number of PhD candidates on page 12 in self-evaluation report we can see some information for the grants for students, but data is shown per year and not for the analysed period. No data in Romanian lei is presented.

Looking at the situation per year, without the grant information in Lei, we can see that there are grants for more than 50% of the students in almost every year.

After facing challenges defining this indicator the evaluation team president asked for clarification from the domain and they send extra documents for clarification (Annex S.A.1.3.2_a, Annex S.A.1.3.2_b, Annex S.A.1.3.2_c and Annex S.A.1.3.2_d). After analusing these documents, 4 of the 8 PhD students were financially supported with grants. Also during the evaluation 2 of the 4 PhD students, that were receivers of the research grant, completed their PhD studies and publicly defended their theses 09.2021.

After this it can be said that 2 PhD students out of a total of 6 are financially supported by research grants and this ratio is 1/6 = 0.33, and this satisfied the minimum criteria of 20%.

Recommendations: Other funding sources are needed for the students. Clear data is needed.

The indicator is fulfilled

Performance Indicator *A.1.3.3. At least 10% of the total amount of doctoral grants obtained by the university through institutional contracts and of tuition fees collected from the doctoral students enrolled in the paid tuition system is used to reimburse professional training expenses of doctoral students (attending conferences, summer schools, training, programs abroad, publication of specialty papers or other specific forms of dissemination etc.).



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This indicator is hard to define since there is not much information in the self-evaluation report regarding the payments for attending conferences, summer schools, training, programs abroad, publication of specialty papers or other specific forms of dissemination etc.

Over the interviews I found out that there were this kind of payments, but they are not systematic, and each PhD student or graduate got different amount paid. This is understandable knowing the diversities of conferences, trainings and papers that have diverse fee amount.

PhD students were asked about this in a questionnaire and they gave answers where almost 60% said that they had financial support, and the rest said the opposite.

In **Annex II.A.1.3.3.1** Financial substantiation Mechanical Engineering 2020-2021 this is well defined and I can say this indicator is fulfilled.

Additional documents were sent for analysis in Annex SA1.3.3_a, Annex SA1.3.3_b, Annex SA1.3.3_c, Annex SA1.3.3_d, Annex SA1.3.3_e and Annex SA1.3.3_f.

The analysis of the annexes and documents send was hard to be done by foreign evaluator, since all the documents were in Romanian language. The work in the evaluation team helped a lot and, in the end, it was proven that the Interdisciplinary Doctoral School dedicated more than 20% of the total amounts for to the field of doctoral studies in Mechanical Engineering.

Recommendations: Financial support options are needed for all the students.

The indicator is fulfilled

Criterion A.2. Research infrastructure

The Research Infrastructure is made up of the laboratories of CRC&D-Auto and the Automotive Research Centre and the doctoral students can use other laboratories of the University of Piteşti. Moreover, students and staff have their own offices and access to all the facilities and premises of the University of Pitesti Library.

Standard A.2.1. The IOSUD has a modern research infrastructure to support the conduct of doctoral studies' specific activities.

SDI has research infrastructure (spaces, laboratory equipment, computers, specific software, apparatus, library, access to international databases etc.) adequate to the realization of the research activities in the seven doctoral domains. This correspond to the requirements imposed for the development of a quality high level instruction process and they are administrated by the Regional Center of Research – Development for innovative materials, processes and products destined for the Automobiles industry (CRC&D-Auto) and the three faculties comprising these doctoral domains.

Performance Indicator A.2.1.1. The venues and the material equipment available to the doctoral school enable the research activities in the evaluated domain to be carried out, in line with the assumed mission and objectives (computers, specific software, equipment, laboratory equipment, library, access to international databases etc.). The research infrastructure and the provision of research services are



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presented to the public through a specific platform. The research infrastructure described above, which was purchased and developed within the past 5 years will be presented distinctly.

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From the self-evaluation report we see that two research centres are mentioned and there are some inks to the equipment available (the links are not working). Over the meetings with doctoral students, graduates, doctoral supervisors and doctoral school members the availability of equipment was proven.

During the site visit the international evaluators were not present, but over the work in the evaluation team I found out that all documents were supported with what was seen in the centres and laboratories.

Recommendations: /

The indicator is fulfilled.

Criterion A.3. Quality of Human Resources

The Interdisciplinary Doctoral School is constituted of supervisors proven expertise in the field of taught disciplines or in the activity of scientific research that combine both transversal and specialized competencies. Currently there are: 20 doctoral supervisors, where 2 – in the field of Materials Engineering, 5 – in the field of Electronic Engineering, Telecommunications, and Informational Technologies, 3 – in the field of Industrial Engineering, 3 – in the field of Mechanical Engineering, 3 – in the field of Mathematics, 2 – in the field of Informatics, and 2 – in the field of Biology.

Standard A.3.1. At the level of each domain there are sufficient qualified staff to ensure the conduct of doctoral study program.

Performance Indicator A.3.1.1. Minimum three doctoral thesis advisors within that doctoral domain, and at least 50% of them (but no less than three) meet the minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU) in force at the time when the evaluation is carried out, which standards are required and mandatory for obtaining the enabling certification.

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As mentioned in self-evaluation report, there are 3 PhD advisors in Mechanical Engineering. There are annexes with information for the professors and their standards fulfilment to be a supervisor. (Annex II.A.3.1.1.1, Annex II.A.3.1.1.2, and Annex II.A.3.1.1.3).

Addition clarifications were asked from the domain supervisor and extra documents were sent. (Additional Annex SA3.1.1_a, Additional Annex SA3.1.1_b and Additional Annex SA3.1.1_c). From the extra analysis of those documents the evaluation team saw those 2 supervisors out of the 3 meet the minimum CNATDCU standards. This is 2/3 = 0.6 and it is 66% which is higher than the minimum of 50%.

The second condition of the indicator is not met, as the number of PhD supervisors who meet the CNATDCU minimum standards is required to be at least 3. And here it is 2.



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Recommendations: Engagement of outside of the university supervisors and stimulating professors to fulfil the required criteria.

The indicator is partaly fulfilled

Performance Indicator *A.3.1.2. At least 50% of all doctoral advisors have a full-time employment contract for an indefinite period with the IOSUD.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
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From the self-evaluation report we can see that the number of supervisors is 3 from which 2 are retired supervisors.

From this the ratio is 1/3 = 0.3 and it is 33.3%. This is lower than the criterion minimum.

Recommendations: Timely addressing the human resources development is needed **The indicator is partly fulfilled.**

Performance Indicator A.3.1.3. The study subjects in the education program based on advanced higher education studies pertaining to the doctoral domain are taught by teaching staff or researchers who are doctoral thesis advisors / certified doctoral thesis advisors, professors / CS I or lecturer / CS II, with proved expertise in the field of the study subjects they teach, or other specialists in the field who meet the standards established by the institution in relation with the aforementioned teaching and research functions, as provided by the law.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As stated in the self-evaluation report, the training program in advanced Mechanical Engineering studies includes 6 disciplines:

- 1. Management of scientific research projects, research methods;
- 2. Information technology in research and documentation, elaboration of scientific research works;
- 3. Ethics and academic integrity, intellectual property rights;
- 4. Methods and techniques of statistical analysis of experimental data;

And 2 Specialized disciplines adapted to the doctoral topic. As specialized disciplines, the following are offered: 1 – Non-linear Mechanics, 2 – Numerical methods for non-linear mechanical systems

All of this was proven over meetings organised with doctoral students, graduates, doctoral supervisors and doctoral school members. The students prise this in the student questionnaire.

Recommendations: Promotion of new disciplines for widening the research possibilities.

The indicator is fulfilled.



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Performance Indicator *A.3.1.4. The percentage of doctoral thesis advisors who concomitantly coordinate more than 8 doctoral students, but no more than 12, who are themselves studying in doctoral programs¹ does not exceed 20%.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report it is written that the 3 supervisors that they have don't have more than 8 doctorial students. There is proven of this with list of students per professor.

Recommendations: /

The indicator is fulfilled

Standard A.3.2. The Doctoral advisors within the domain are carrying out a scientific activity visible at international level.

The doctoral school perceives the supervisors as key for development of partnerships with laboratories in the country and abroad to provide doctoral students with a high-level research infrastructure. (Self-evaluation report page 14) This international cooperation is in support to the visibility at international level.

Performance Indicator A.3.2.1. At least 50% of the doctoral thesis advisors in the evaluated domain have at least 5 Web of Science- or ERIH-indexed publications in magazines of impact, or other achievements of relevant significance for that domain, including international-level contributions that indicate progress in scientific research - development - innovation for the evaluated domain. The aforementioned doctoral thesis advisors enjoy international awareness within the past five years, consisting of: membership on scientific boards of international publications and conferences; membership on boards of international professional associations; guests in conferences or expert groups working abroad, or membership on doctoral defense commissions at universities abroad or co-leading with universities abroad. For Arts and Sports and Physical Education Sciences, doctoral thesis advisors shall prove their international visibility within the past five years by their membership on the boards of professional associations, membership in organizing committees of arts events and international competitions, membership on juries or umpire teams in artistic events or international competitions.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In self-evaluation report there is a list of activities that support this criterion. They are separated into groups: A. Web of Science indexed papers in journals with impact factor, B. Books in international publications and C. Prestige recognition. All information is not presented with annex or link, but short

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¹ 3 years for the doctoral university studies with the duration stipulated at Article 159, paragraph (3), respectively 4 years for the doctoral university studies with the duration stipulated at Article 174, paragraph (3) of the Law of national education No.1/2011 with subsequent amendments and additions, with additional extension periods approved as per Article 39, paragraph (3) of the Code of doctoral studies approved by the GD No. 681/2011 with subsequent amendments and additions.



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google search finds the information provided. Knowing the small number of supervisors, it is obvious that this criterion is much more than the 50% defined for this indicator.

Over the meetings we found out that the work of the supervisors is all the time in support of internationalisation of their work and their PhD students.

Recommendations: /
The indicator is fulfilled

Performance Indicator *A.3.2.2. At least 50% of the doctoral thesis advisors in a specific doctoral study domain continue to be active in their scientific field, and acquire at least 25% of the score requested by the minimal CNATDCU standards in force at the time of the evaluation, which are required and mandatory for acquiring their enabling certificate, based on their scientific results within the past five years.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

There are two annexes for two professors defining their publication records (**Annex II.A.3.2.2.1** and **Annex II.A.3.2.2.2**). As a foreign evaluator it is hard to check the minimum CNATDCU score in the last 5 years.

The information provide was not sufficient and the coordinator of the evaluation committee requested further clarification.

During the visit and afterwards additional annexes were sent (S.A.3.2.2_a and S.A.3.2.2_b). It was clear that 2 out of 3 supervisors had clear justifications and this is 2/3 = 0.66 that is 60% and it is more than the minimum for this criterion.

Recommendations: /
The indicator is fulfilled.



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Domain B. EDUCATIONAL EFFECTIVENESS

Criterion B.1. The number, quality and diversity of candidates enrolled for the admission contest

Standard B.1.1. The institution organizing doctoral studies has the capacity to attract candidates from outside the higher education institution or a number of candidates exceeding the number of seats available.

For these indicators we have checked evolution of the number of doctoral students and the number of graduated students in the last 5 years from the self-evaluation report. Clarification was made over the meetings.

Performance Indicator ***B.1.1.1.** The ratio between the number of graduates of masters' programs of other higher education institutions, national or foreign, who have enrolled for the doctoral admission contest within the past five years and the number of seats funded by the state budget, put out through contest within the doctoral domain is at least 0.2 or the ratio between the number of candidates within the past five years and the number of seats funded by the state budget put out through contest within the doctoral studies domain is at least 1,2.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
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There is a list of candidates who have enrolled at the doctoral admission contest within the past 5 years in the domain of Mechanical Engineering. And as stated out of 7 doctoral students, 2 did not graduate from the University of Piteşti and the ratio is 2/7=0,286.

As for the number of seats in contest during 2016-2020 it was 5, and the number of candidates was 7, therefore a ratio of 7/5=1.4.

Recommendations: Clear strategy is needed to attract more students from outside of the university. **The indicator is fulfilled.**

Standard B.1.2 Candidates admitted to doctoral studies demonstrate academic, research and professional performance.

Performance Indicator *B.1.2.1. Admission to doctoral study programs is based on selection criteria including: previous academic, research and professional performance, their interest for scientific or arts/sports research, publications in the domain and a proposal for a research subject. Interviewing the candidate is compulsory, as part of the admission procedure.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

At the university there is a methodology for the organization and development of the admission contest at the doctoral programmes. (Annex II.A.1.1.1.9) This methodology defines steps for admission: specialized knowledge exam, oral presentation of scientific research interests and bibliography and of the direction of the future PhD thesis. After this a discussion with the members of the doctoral committee is organised.



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Romanian language and basic google translate was used to evaluate to understand the written methodology.

The meetings with PhD students and graduates, as well as professors from the doctoral school confirmed the process defined in the annex.

Recommendations: /

The indicator is fulfilled.

Performance Indicator B.1.2.2. The expelling rate, including renouncement / dropping out of doctoral students 3, respectively 4, years after admission² does not exceed 30%.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

There aren't many students at this domain and the drop rate is 0. This has to be taken with reservation since there are students that have extended their studies.

Recommendations: /

The indicator is fulfilled.

Criterion B.2. The content of doctoral programs

Standard B.2.1. The training program based on advanced university studies is appropriate to improve doctoral students' research skills and to strengthen ethical behavior in science.

Performance Indicator B.2.1.1. The training program based on advanced academic studies includes at least 3 disciplines relevant to the scientific research training of doctoral students; at least one of these disciplines is intended to study in-depth the research methodology and/or the statistical data processing.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report it is clearly defined that the study programme for PhD students includes 6 disciplines:

- 1. The management of scientific research projects, methods of research;
- 2. Information technology in research and documentation, how to write scientific research papers;
- 3. Ethics and Academic Integrity, Intellectual Property;
- 4. Methods and techniques of statistical analysis of experimental data;
- 5. Specialized discipline 1 adapted to the doctoral topic;
- 6. Specialized discipline 2 adapted to the doctoral topic;

Where the specialized disciplines are: 1 – Non-linear Mechanics, 2 – Numerical methods for non-linear mechanical systems.

² 3 years for the doctoral university studies with the duration stipulated at Article 159, paragraph (3), respectively 4 years for the doctoral university studies with the duration stipulated at Article 174, paragraph (3) of the Law of national education No. 1/2011 with subsequent amendments and additions.



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It is clear that there is a subject dedicated to the research methodology and/or the statistical data processing.

Recommendations: /

The indicator is fulfilled.

Performance Indicator B.2.1.2. At least one discipline is dedicated to Ethics and Intellectual Property in scientific research or there are well-defined topics on these subjects within a discipline taught in the doctoral program.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

There is a discipline Ethics and Academic Integrity, Intellectual Property as part of the training programme based on associated university studies for the Mechanical Engineering domain.

From the meetings with the doctoral students and the doctoral supervisors we have found out that this indicator is fulfilled.

Ethics was also prices from the PhD student in the questionnaire that was delivered to them.

Recommendations: /

The indicator is fulfilled.

Performance Indicator B.2.1.3. The IOSUD has mechanisms to ensure that the academic training program based on advanced university studies addresses "the learning outcomes", specifying the knowledge, skills, responsibility and autonomy that doctoral students should acquire after completing each discipline or through the research activities³.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As stated in the self-evaluation report, IOSUD-UPIT has the necessary mechanisms to ensure that the training programmes addresses the learning outcomes at level 8 EQF/CNC, according to the Recommendations of the Council of the European Union regarding European Qualifications Framework from 22.05.2017. (Annex.I.1.2.1 and Annex I.1.6.1).

Annexes for each course is presented on the cloud service where syllabus specifies the competencies, the skills and the abilities which the PhD students must acquire at the end of the course and the research activity (Annex II.B.2.1.3.1, Annex II.B.2.1.3.2, Annex II.B.2.1.3.3, Annex II.B.2.1.3.4, Annex II.B.2.1.3.5 and Annex II.B.2.1.3.6).

In each annex there is information for the points of credit that are associated for each discipline.

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³ Or by what the graduate should know, understand and to be able to do, according to the provisions of the Methodology of 17 March 2017 regarding inscription and registration of higher education qualifications in the National Register of Qualifications in Higher Education (RNCIS) approved by the Order No.3475/2017 with subsequent amendments and additions.



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Our meetings with the doctoral students and the doctoral supervisors prove the importance of the disciplines in work later after graduation.

Recommendations: /
The indicator is fulfilled.

Performance Indicator B.2.1.4. All along the duration of the doctoral training, doctoral students in the domain receive counselling/guidance from functional guidance commissions, which is reflected in written guidance and feedback or regular meeting.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report there is a list of professors that are part of the guidance committees of each PhD students. Not sure if there is an official document at the domain regarding counselling/guidance and functional guidance commissions and how they are formed. If there is one it should be clearly specified.

During the evaluation questionnaire was delivered to the PhD students. One of the questions was related to this indicator – To what extend do you benefit from the support of the members of the guidance committee for your research activity and the realization of the doctoral thesis (online meetings, on-site meetings, asynchronous communication)?

We can say that that over 90% appreciate the support provided to them by the doctoral school.

Recommendations: /

The indicator is fulfilled

Performance Indicator B.2.1.5. For a doctoral study domain, the ratio between the number of doctoral students and the number of teaching staff/researchers providing doctoral guidance must not exceed 3:1.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report it is shown a list of PhD students and teaching staff/researchers. The ratio is calculated to 6/11=0,545 and it is shown for the whole period, not per year.

It is obvious that overall, for the whole period the number is in the ratio of 3:1.

Recommendations: /

The indicator is fulfilled

Criterion B.3. The results of doctoral studies and procedures for their evaluation.

Standard B.3.1. Doctoral students capitalize on the research through presentations at scientific conferences, scientific publications, technological transfer, patents, products and service orders.

Performance Indicator B.3.1.1. For the evaluated domain, the evaluation commission will be provided with at least one paper or some other relevant contribution per doctoral student who has obtained a doctor's title within the past 5 years. From this list, the members of the evaluation commission shall



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randomly select 5 such papers / relevant contributions per doctoral study domain for review. At least 3 selected papers must contain significant original contributions in the respective domain.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
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All annexes (Annex II.B.3.1.1.1, Annex II.B.3.1.1.2, Annex II.B.3.1.1.3, Annex II.B.3.1.1.4, Annex II.B.3.1.1.5, Annex II.B.3.1.1.6 and Annex II.B.3.1.1.7) present the research work done by the PhD students. We have analysed that data and over the meeting with person in charge of the evaluated doctoral school, I can say that all 5 selected articles present significant original contributions in the field of Mechanical Engineering.

Recommendations: /
The indicator is fulfilled

Performance Indicator *B.3.1.2. The ratio between the number of presentations of doctoral students who completed their doctoral studies within the evaluated period (past 5 years), including posters, exhibitions made at prestigious international events (organized in the country or abroad) and the number of doctoral students who have completed their doctoral studies within the evaluated period (past 5 years) is at least 1.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report we can see 9 events organised where the PhD student were part of. Overall, the ratio for the last 5 years is 9/3 = 3 that is satisfying this indicator.

Separate annex combining the information from all candidates would help to define this criterion easily.

Recommendations: /

The indicator is fulfilled.

Standard B.3.2. The Doctoral School engages a significant number of external scientific specialists in the commissions for public defense of doctoral theses in the analyzed domain.

Performance Indicator *B.3.2.1. The number of doctoral theses allocated to one specialist coming from a higher education institution, other than the evaluated IOSUD should not exceed two (2) in a year for the theses coordinated by the same doctoral thesis advisor.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

With the information presented in the self-evaluation report, since there is no separate annex for this, I can say that all specialists participated in public defending of doctoral theses and they did not excide the indicator of maximum 2.



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Recommendations: /
The indicator is fulfilled.

Performance Indicator *B.3.2.2. The ratio between the doctoral theses allocated to one scientific specialist coming from a higher education institution, other than the institution where the defense on the doctoral thesis is organized, and the number of doctoral theses presented in the same doctoral study domain in the doctoral school should not exceed 0.3, considering the past five years. Only those doctoral study domains in which minimum ten doctoral theses have been presented within the past five years should be analyzed.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

This indicator was analysed basing on the information in the self-evaluation report. 3 thesis were defended and this criteria was not analysed.

Recommendations: /
The indicator is fulfilled.



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Domain C. QUALITY MANAGEMENT

The University has defined quality management objectives in the strategic plan (**Annex I.3.1.1**), where evaluation, analysis and consolidation of the portfolio of programmes of study, in combination with monitoring of the progress of different components of the teaching activities and monitoring of application of regulations, methodologies and procedures and the revision of them increases the quality at University of Pitești.

Criterion C.1. Existence and periodic implementation of the internal quality assurance system

Standard C.1.1. There are an institutional framework and procedures in place and relevant internal quality assurance policies, applied for monitoring the internal quality assurance.

Performance Indicator C.1.1.1. The Doctoral school in the respective university study domain shall demonstrate the continuous development of the evaluation process and its internal quality assurance following a procedure developed and applied at the level of the IOSUD, the following assessed criteria being mandatory:

- (a) the scientific work of Doctoral advisors;
- (b) the infrastructure and logistics necessary to carry out the research activity;
- (c) the procedures and subsequent rules based on which doctoral studies are organized;
- d) the scientific activity of doctoral students;
- e) the training program based on advanced academic studies of doctoral students;
- f) social and academic services (including for participation at different events, publishing papers etc.) and counselling made available to doctoral students.
- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

At IOSUD – UPIT there is a methodology (**Annex II.C.1.1.1.1**) that targets the regular self-assessment of the university doctoral studies programmes by measuring their degree of quality assurance based on certain evaluation criteria.

- (a) There is an annually report for the results of supervisors' research activity in the previous year. This annual report is compulsory and is based on CNATDCU criteria. An example is given in **Annex II.A.3.1.1.1.**
 - There is annual evaluation of the Doctoral advisors according to the Methodology for the self-assessment of Doctoral advisors' performance in doctoral schools (**Annex II.C.1.1.1.2**).
- (b) The research activities are carried out in the laboratories and the research centers in which the doctoral supervisors and mentors conduct their activity. To ensure quality of the activities each center is annually evaluated in accordance with the Operational Procedure: Creation, Internal Certification and evaluation of the Research Units (Annex II.C.1.1.1.3) and compared to the minimum quality standards defined in Annex II.C.1.1.1.4 Criteria and minimal standards of evaluation CC.



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- (c) Doctoral studies are organized based on national criteria. There are university regulations for each key activity defined in Annexes: Annex I.1.1.2, Annex I.1.1.6, Annex II.A.1.1.1.9, Annex I.2.2.1, Annex I.2.2.2, Annex I.2.2.3, and Annex I.2.2.4.
- (d) The scientific activity of doctoral students is evaluated by the supervisors and guidance committee based on the PhD student's record of progress (Annex II.C.1.1.1.5)
- (e) There is training programme defined with the supervisor and it includes key subjects.
- (f) There are activities that support this criterion.

Recommendations: /

The indicator is fulfilled.

Performance Indicator *C.1.1.2. Mechanisms are implemented during the stage of the doctoral study program to enable feedback from doctoral students allowing to identify their needs, as well as their overall level of satisfaction with the doctoral study program in order to ensure continuous improvement of the academic and administrative processes. Following the analysis of the results, there is evidence that an action plan was drafted and implemented.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As stated in the self-evaluation report, there is a questionnaire (**Annex II.C.1.1.2.1**) for PhD students and action plan (**Annex II.C.1.1.2.2**). Not clear how the plan is implemented and why all activities are for the Head of Mechanical Engineering.

Recommendations: Clear plan is needed.

The indicator is fulfilled.

Criterion C.2. Transparency of information and accessibility of learning resources

Standard C.2.1. Information of interest to doctoral students, future candidates and public interest information is available for electronic format consultation.

Performance Indicator C.2.1.1. The IOSUD publishes on the website of the organizing institution, in compliance with the general regulations on data protection, information such as:

- (a) the Doctoral School regulation;
- (b) the admission regulation;
- (c) the doctoral studies contract;
- (d) the study completion regulation including the procedure for the public presentation of the thesis;
- (e) the content of training program based on advanced academic studies;
- (f) the academic and scientific profile, thematic areas/research themes of the Doctoral advisors within the domain, as well as their institutional contact data;
- (g) the list of doctoral students within the domain with necessary information (year of registration; advisor);
 - (h) information on the standards for developing the doctoral thesis;
- (i) links to the doctoral theses' summaries to be publicly presented and the date, time, place where they will be presented; this information will be communicated at least twenty days before the presentation.



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From the self-evaluation report and from the internet site we can see that institutional regulation for the organization and development of doctoral university studies can be reached on their site, but it is all in Romanian language. As for each point:

- a) There is a Regulation for the organization and operation of the university doctoral studies within the Interdisciplinary Doctoral School of IOSUD University of Piteşti (Annex I.1.1.6) and also there is information on the internet site that is in Romanian language.
- b) There is a Methodology for the organization and development of the admission contest at the doctoral programmes within the doctoral schools (Annex II.A.1.1.1.9)
- c) Doctoral study contacts are defined in Annex II.A.1.1.18 Contract for doctoral studies 2020-2021 and Annex II.A.1.1.19 Annexes to the study contract
- d) There is information on the internet site for the methodology for organization and development of the thesis defence. (Annex I.2.2.4)
- e) This is well defined and the students are aware of it.
- f) The profile of supervisors is present on the internet with CV.
- g) There is a list available on their internet site with all information needed.
- h) Defence in detail is defined in standard presented in **Annex I.2.2.4** Methodology for the completion and defence of PhD Thesis at the University of Pitești, including in a state of emergency
- i) There is a part of the internet site dedicated to presenting doctoral theses' summaries with all other necessary information. There is also zoom link for following the thesis defending. All information is in Romanian language.

All data that was available was in Romanian language. The evaluation working team helped a lot in understanding the documents.

Recommendations: For better internationalisation of the doctoral school key documents should be in English.

The indicator is fulfilled.

Standard C.2.2. The IOSUD/The Doctoral School provides doctoral students with access to the resources needed for conducting doctoral studies.

Performance Indicator C.2.2.1. All doctoral students have free access to one platform providing academic databases relevant to the doctoral studies domain of their thesis.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

There is an information in the self-evaluation report about access to ANELIS databases (**Annex II.C.2.2.1.1**). PhD students can access the databases at any time.



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Over the meeting with the PhD students, we were assured that they have access to databases. The questionnaire that was given to the students addressed this question too, and 60% said that they have access and 40% said they had average possibilities to access bases.

Recommendations: /

The indicator is fulfilled.

Performance Indicator C.2.2.2. Each doctoral student shall have access, upon request, to an electronic system for verifying the degree of similarity with other existing scientific or artistic works.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

There is a system for this, and it is one of the key requirements by Article 17, paragraph (5) of the Government Decision No. 681/2011 on the approval of the Code of Doctoral Studies with subsequent amendments and additions. The whole plagiarism approach is well addressed and there is a contract for it. (Annex II.A.1.2.1.1).

PhD students can verify the degree of similarity of their own theses with the help of their doctoral advisors using the SEMPLAG resource (**Annex II.C.2.2.2.1**). They were asked about this in a questionnaire and they rate it positively with great response rate.

Recommendations: /

The indicator is fulfilled

Performance Indicator C.2.2.3. All doctoral students have access to scientific research laboratories or other facilities depending on the specific domain/domains within the Doctoral School, according to internal order procedures.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

From the meetings with the students, we have been informed that they have access to research laboratories or other facilities. They conduct their research activity mainly in the laboratories of the Regional Centre of Research – Development for innovative materials, processes and products intended for Automobiles industry, as well as using the facilities of the Automotive Engineering Research Centre,

There is information well defined on the Romanian version of the site that includes:

CRC & D-Auto presentation, CRC & D-Auto INFRASTRUCTURE ACCESS FORM, CRC & D-Auto SERVICE SHEET and Research equipment purchased during 2016-2020.

The PhD students were asked about this in a questionnaire and they gave contradictory answers. 60% said that they have great access to labs and facilities and 40% said almost the opposite, that they did not have enough access.

Recommendations: Improvement of access to labs and facilities for all students.

The indicator is fulfilled



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Criterion C.3. Internationalization

Standard C.3.1. There is a strategy in place and it is applied to enhance the internationalization of doctoral studies.

Internationalization is seen as one of fundamental directions at the doctoral school. They have seen that the establishment of new practical measurements for the internationalization of some activities will help to attract PhD students from other countries.

Performance Indicator *C.3.1.1. IOSUD, for every evaluated domain, has concluded mobility agreements with universities abroad, with research institutes, with companies working in the field of study, aimed at the mobility of doctoral students and academic staff (e.g., ERASMUS agreements for the doctoral studies). At least 35% of the doctoral students have completed a training course abroad or other mobility forms such as attending international scientific conferences. IOSUD drafts and applies policies and measures aiming at increasing the number of doctoral students participating at mobility periods abroad, up to at least 20%, which is the target at the level of the European Higher Education Area.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

They have signed a series of Erasmus + mobility agreements at the level of doctoral studies (Annex II.C.3.1.1.1) and for this domain are the signings 7, 8 and 9 from the list.

It is not clear how many PhD students were part of the mobility. This was addressed in the questionnaire delivered to the students and 80% of them said that they did not had mobility.

The participation in international scientific conferences of doctoral students enrolled at the University is defined in the self-evaluation report. Out of the total of 6 doctoral students, 3 attended international conferences, that is a ratio of 3/6=0,5=50%

There is no information in self-evaluation report for the number of participants in training courses abroad or other mobility forms.

Recommendations: /

The indicator is fulfilled

Performance Indicator C.3.1.2. In the evaluated doctoral study domain, support is granted, including financial support, to the organization of doctoral studies in international co-tutelage or invitation of leading experts to deliver courses/lectures for doctoral students.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In **Annex II.C.3.1.1.1** all this information is presented for collaboration agreements. For the domain of Mechanical Engineering, collaboration agreements have been signed with: Lodz University of Technology, Universidade de Lisboa si Università degli Studi di Roma "Tor Vergata"

There is no information for co-supervision from other countries, theses supported by international commission, list of theses defended in English, invited leading experts for courses/lectures and other information that will justify this criterion.



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Recommendations: Clear information is needed. More leading experts and foreign co-supervision can be invited.

The indicator is fulfilled

Performance Indicator C.3.1.3. The internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., by participating in educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees etc.).

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

Since there is clear Strategy of internationalization of UPIT 2020-2027, I was expecting clear definition on what the doctoral school measures are related to internationalisation. Mobilities of professors are presented in the self-evaluation report that is maybe one way of attracting international PhD students.

No other information is shared.

Recommendations: Though clear written measures are presented in a form of strategy, not many activities are delivered.

The indicator is fulfilled

IV. SWOT Analysis

Strengths:

- Super equipment, some unique in whole Romania
- Laboratories and centres ready for research
- Connection with industry
- Quality assurance system in place
- Build reputation over the years for the doctoral schools
- Access to key internet research basses

Opportunities:

- Following the fast-changing environment
- Research to be done in some top-notch priorities in the world (hydrogen vehicles, e-vehicles, and other areas)
- Entrepreneurship training for better implementation in new businesses
- Collaboration with research institutes in the country and abroad
- International students
- Employ the best students
- Patents from students research
- Interdisciplinary thesis development

- More supervisors
- Addressing the retirement of professors on time
- More grants options for PhD students are needed
- Not many students come from outside of the university.
- English version of the internet site
- No student competition for admission
- New employments

Threats:

- Popularity of other areas of interest for research for students other than mechanical engineering
- Workload pressure that some full time working students have
- Publication in top journals is time, money and energy consuming
- Pandemic influence on research now and unknown length of this situation
- Industry cooperation is profit oriented; university work is research oriented
- 3 years looks like it is not enough for engineering doctoral studies.
- Small base of students
- Not many international students

Weaknesses:



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V. Overview of judgments awarded and of the Recommendations

No.	Type of indicator (*, C)	Performance indicator	Judgment	Recommendations
1.	С	A.1.1.1.	Fulfiled	Clear regulation translated into English must be clearly positioned on the internet site. This is not much needed for managing the institution, but for internalization of the doctoral studies. Clear procedure for elections by the students of their representatives is needed.
2.	С	A.1.3.1.	Partaly fulfilled	There should be more funds for research on domain level and on university level.
3.	*	A.1.3.2.	Fulfiled	Other funding sources are needed for the students. Clear data is needed.
4.	*	A.1.3.3.	Fulfiled	Financial support options are needed for all the students.
5.	С	A.3.1.1.	Partaly fulfilled	Engagement of outside of the university supervisors and stimulating professors to fulfil the required criteria.
6.	*	A.3.1.2	Partaly fulfilled	Timely adressing the human resources development is needed
7.	С	A.3.1.3.	Fulfiled	Promotion of new disciplines for widening the research possibilities
8.	*	B.1.1.1	Fulfiled	Clear strategy is needed to attract more students from outside of the university.
9.	*	*C.1.1.2.	Fulfiled	Clear plan is needed.
10.	С	C.2.1.1.	Fulfiled	For better internationalisation of the doctoral school key documents should be in English.
11.	С	C.2.2.3.	Fulfiled	Improvement of access to labs and facilities for all students.
12.	С	C.3.1.2.	Fulfiled	Clear information is needed. More leading experts and foreign co-supervision can be invited.
13.	С	C.3.1.3.	Fulfiled	Though clear written measures are presented in a form of strategy, not many activities are delivered.

The Recommendations contained in the report shall be resumed in the indicators' analysis. Other general Recommendations may be made that do not fit within a particular indicator.

VERY IMPORTANT!!! – Each identified weakness must be correlated with at least one recommendation to improve the situation!



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VI. Conclusions and general Recommendations

From the analysis of the domain of Doctoral Studies in Mechanical Engineering at the Pitesti University we can say that the doctoral school and the university are providing high quality education and research for the PhD students.

All the work is supported by proper regulation that is developed in line with the country regulation and ARACIS guidelines. Students are informed of all the procedures and they price the knowledge, opportunities and support that they get at the doctoral school from their supervisors.

The research is done in proper laboratories and centres that are well equipped and there are investments in new equipment that satisfies the needs.

There are proper Quality assurance measures that are sometimes complicated, but they well address the situation and at the same time they propose improvements continuously.

There is a e-system available for the students and there is access to base with high quality journals. Research support is present and students can produce high quality papers that are published in high quality journals. Plagiarism is well addressed and there are mechanisms for following the research, work on thesis and papers writing.

Recommendation can be given to develop a more intrusive internationalisation strategy that will help open the doctoral school for more international students. This will require better English internet site and translation of all key documents in English that will make the education process easy for the foreign students.

Grant opportunities are a must and they have to be increased so that all students have opportunities for well supported research. Situation with supervisors is alarming and the domain must address retirement issue and supervisors' criteria fulfilment.

There are possibilities for mobilities that are not used by the students and involvement of foreign professors in the thesis defending must be increased.

Transversal skills development with promotion of new disciplines in combination with some form of entrepreneurship training offered to the students it will help them to produce more start-up businesses.

In the end the Domain of Doctoral Studies in Mechanical Engineering, from the Pitesti University provides a high-quality doctoral education and research for the students.

The teaching is done over well-designed curriculum that supports development of mechanical engineering skills with clear outcomes and notion for commercialisation of the research. The research is done with great support in well-developed conditions and in line with all ethical principles. The results are presented in quality journals that well represents this doctoral domain but also the education and research level of country.

After performing the evaluation and considering the self-evaluation report, information gathered over the meetings organised with the domain and annexes and other documents shared during the whole process,

International Evaluator

Prof. Mishko Djidrov, PhD

Goce Delcev University – Stip, N. Macedonia 13.12.2021



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VII. Annexes

* All other annexes that are in Romanian language are part of the final version

Annex 1. Schedule for online meetings

Programul⁴ vizitei de evaluare instituțională - IOSUD/domenii de studii universitare de doctorat a **Universității din Pitesti**The timetable of the institutional evaluation visit - IOSUD/doctoral study domains at the **Pitesti University**

Perioada de derulare a vizitei: 22.11.2021 - 26.11.2021 The evaluation period: 22.11.2021 - 26.11.2021

Evaluarea Externă Periodică a IOSUD și a domeniilor de studii universitare de doctorat

Periodical External Evaluation of the Institution Organising Doctoral Study Programs (IOSUD), and of the doctoral study domains

Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
09:00-10:00	Întâlnire online pentru pregătirea și armonizarea etapelor de evaluare, în modul mixt, la nivel de domenii de doctorat și de IOSUD Online meeting for the preparation and harmonization of evaluation steps, in hybrid mode, of doctoral study domains and IOSUD	Comisia de evaluare IOSUD/domenii IOSUD / domain evaluation panel - toți membrii echipei de evaluare - all evaluation panel members	Înregistrare audio-video/platforma Zoom ARACIS Audio-video recording/ARACIS Zoom platform Aracis34@aracis.ro Link: Topic: IOSUD-UPIT Intalnire pregatitoare / Meeting for the preparation Time: Nov 22, 2021 09:00 Link: Join Zoom Meeting https://us02web.zoom.us/i/84099708 576?pwd=OUJIMmxvTk50VCtuaU0 5dkJYSCs1Zz09 Meeting ID: 840 9970 8576 Passcode: 113385
10:15-11:15	Întâlnirea online a comisiei de experți evaluatori cu reprezentanții conducerii UPIT și ai CSUD Online meeting with representatives of the UPIT and of the Council for Academic Doctoral Studies (CSUD)	Comisia de evaluare IOSUD/domenii IOSUD/domain evaluation panel - toți membrii echipei de evaluare - all evaluation panel members - reprezentanți ai conducerii UPIT - representatives of the University's management - reprezentanți ai CSUD și ai Școlii Doctorale UPIT - representatives of the CSUD and of the UPIT Doctoral School - persoana de contact IOSUD/domenii - the contact person for IOSUD/doctoral domains	Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/841533909 80?pwd=Y3Rva1Roa29DQ0NZblBGTFd MV25WQT09 Meeting ID: 841 5339 0980 Passcode: 916729
11:30-12:30	Activități de evaluare Evaluation activities Domeniu ⁵ : Întâlnire online a comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat și cu echipa care a realizat raportul de evaluare internă Domain: Online meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel - responsabilul domeniului de studii universitare de doctorat evaluat și echipa care a realizat raportul de evaluare internă - the doctoral study domain contact person and the team who drafted the internal evaluation report	inregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Domeniu/Domain BIOLOGIE/BIOLOGY Link: Join Zoom Meeting https://us02web.zoom.us/i/844951084 89?pwd=aWdiWXZISmFXY1IUYWU1MF Y1dVFPZz09 Meeting ID: 844 9510 8489 Passcode: 391211

⁴ În perioada vizitei pot fi solicitate și alte întâlniri, pentru eventuale clarificări.

During the visit, other meetings may be requested for possible clarifications.

⁵ Pentru toate întâlnirile din program unde se menționează domeniu, se vor organiza, de două ori câte **7** întâlniri în paralel, pentru cele **14** domenii de studii universitare de doctorat din componența IOSUD. For all the timetable meetings where the domain is mentioned, 7 meetings will be organized in parallel, for two times, for the 14 doctoral university studies domains within IOSUD.



12:45-13:45 Activități de evaluare Comisia de evaluare domeniu Domeniui¹ Intalier online a comisiei de experți evaluatori cu responsabilul domeniudi de studii universitare de doctorat evaluat și cu echipa care a realizat raportul de evaluare internă Domenier vereve and the team who drofted the internal evaluation report Proposition Prop	Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
Passcode: 838816 INGINERIE MECANICA/MECHANIC ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/j/84793239	orar/(Buchares t time)	Activități de evaluare Evaluation activities Domeniu²: Întâlnire online a comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat și cu echipa care a realizat raportul de evaluare internă Domain: Online meeting with the contact person for the doctoral study domain under review and the team who	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel - responsabilul domeniului de studii universitare de doctorat evaluat și echipa care a realizat raportul de evaluare internă - the doctoral study domain contact person and the team who drafted the	FILOLOGIE/FILOLOGY Link: Join Zoom Meeting https://us02web.zoom.us/i/870954554 18?pwd=cHBGc2hsN3pjSjQ3WDcrT3NN UmZ5UT09 Meeting ID: 870 9545 5418 Passcode: 250992 INFORMATICA/ INFORMATICS Link: Join Zoom Meeting https://us02web.zoom.us/i/819922248 46?pwd=ZHA4bkxsOW02UIVJVnZtN0Z1 S1cxdz09 Meeting ID: 819 9222 4846 Passcode: 044510 INGINERIA AUTOVEHICULELOR/VEHICLE ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/893341145 89?pwd=UGZwbmFRbTMrTTMZTkxyNT NTN0k3QT09 Meeting ID: 893 3411 4589 Passcode: 828653 INGINERIA MATERIALELOR/MATERIALS ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/j/886766701 49?pwd=ZU90T1FjTHVUK1pkdEdJenpve U5rZz09 Meeting ID: 886 7667 0149 Passcode: 681368 INGINERIE ELECTRONICA, TELECOMUNICATII SI TEHNOLOGII INFORMATIONALE/ELECTRONIC ENGINEERING, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES Link: Join Zoom Meeting https://us02web.zoom.us/i/859044292 56?pwd=bHEyZDFOWmdnNEZPTVZHbH M4Z204QT09 Meeting ID: 859 0442 9256 Passcode: 256168 INGINERIE INDUSTRIALA/INDUSTRIAL ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/j/850936603 45?pwd=WFhmSnJUCEY1UW8xQWRsVF ZEAEFZdz09 Meeting ID: 850 9366 0345 Passcode: 838816 INGINERIE MECANICA/MECHANICAL ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/j/847932392 12?pwd=Qng0c2pVcjlOWVV4Z3M4eW1



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
			https://us02web.zoom.us/j/824143439 86?pwd=Z3d1d2pkbnAxSzBCQVM0Sktn RG5XQT09 Meeting ID: 824 1434 3986 Passcode: 469721 STIINTA SPORTULUI SI EDUCATIEI FIZICE/ THE SCIENCE OF SPOIRTS AND PHYSICAL EDUCATION Link: Join Zoom Meeting https://us02web.zoom.us/j/897711693 04?pwd=a2JZR2g3Zm9NQWpFd3VVdUx 2MUcyQT09 Meeting ID: 897 7116 9304 Passcode: 432543
12:45-13:45	Activități de evaluare Evaluation activities IOSUD: Întâlnire online a comisiei de experți evaluatori cu directorul CSUD/directorul Școlii Doctorale din cadrul UPIT supus procesului de evaluare și cu echipa care a realizat raportul de evaluare internă IOSUD: Online meeting with the director of CSUD/UPIT Doctoral School director and the team who drafted the internal evaluation report	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD - members of IOSUD evaluation panel - reprezentanți ai CSUD și ai Școlilor Doctorale UPIT/IOSUD - representatives of CSUD and of UPIT Doctoral School/IOSUD	Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/818410032 07?pwd=MnhJd3VKbHRyNitCbWFBcERY ZFBxZz09 Meeting ID: 818 4100 3207 Passcode: 109157
14:30-15:30	Activități de evaluare Evaluation activities Domeniu: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent domeniului evaluat Domain: Online meeting with the academic staff corresponding to the doctoral study domain	Comisia de evaluare domeniu Domain evaluation panel -membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel -cadre didactice cu titlul de conducător de doctorat - Doctoral supervisors	Înregistrare audio-video/platforma UPIT Audio-video recording/UPIT Zoom platform Domeniu/Domain BIOLOGIE/BIOLOGY Link: Join Zoom Meeting https://us02web.zoom.us/i/832213216 87?pwd=dXJNNmVjNTdNUm1STWExL0t iYnA2UT09 Meeting ID: 832 2132 1687 Passcode: 924514 FILOLOGIE/FILOLOGY Link: Join Zoom Meeting https://us02web.zoom.us/i/838302426 60?pwd=K2IQdTdITWZVZ3p1dm1qSGJT Y3IjZ209 Meeting ID: 838 3024 2660 Passcode: 111855 INFORMATICA/ INFORMATICS Link: Join Zoom Meeting https://us02web.zoom.us/i/884820629 66?pwd=bjJ4TmV1cDl3bjVEZGxQeUIPZE IrQT09 Meeting ID: 884 8206 2966 Passcode: 952064 INGINERIA AUTOVEHICULELOR/VEHICLE ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/827113863 76?pwd=VXZoaXdrWTF6WTNqMmZwR HVOUKQ4dz09 Meeting ID: 827 1138 6376 Passcode: 992387 INGINERIA MATERIALELOR/MATERIALS ENGINEERING



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
· · · · · · · · · · · · · · · · · · ·			Link: Join Zoom Meeting https://us02web.zoom.us/j/818295023 80?pwd=Q0pKN0xURldFK25xNFJGTIlvd nBtZz09 Meeting ID: 818 2950 2380 Passcode: 689567
15:45-16:45	Activități de evaluare Evaluation activities Domeniu: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent domeniului evaluat Domain: Online meeting with the academic staff corresponding to the doctoral study domain	Comisia de evaluare domeniu Domain evaluation panel -membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel -cadre didactice cu titlul de conducător de doctorat - Doctoral supervisors	Passcode: 689567 Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Domeniu/Domain INGINERIE ELECTRONICA, TELECOMUNICATII SI TEHNOLOGII INFORMATIONALE/ELECTRONIC ENGINEERING, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES Link: Join Zoom Meeting https://us02web.zoom.us/i/818429309 05?pwd=SIZieUIsWIVhZWEzTFN6MiRNb Gt2Zz09 Meeting ID: 818 4293 0905 Passcode: 120950 INGINERIE INDUSTRIALA/INDUSTRIAL ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/872126118 19?pwd=QzBSTUs3Rk9XRGdIRmZnSkRv SS9mdz09 Meeting ID: 872 1261 1819 Passcode: 970337 INGINERIE MECANICA/MECHANICAL ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/893482969 98?pwd=Q2plWk14Y3pKbkdkMVVCbVR xYIIkZz09 Meeting ID: 893 4829 6998 Passcode: 301356 MATEMATICA/MATHEMATICS Link: Join Zoom Meeting https://us02web.zoom.us/i/857880732 96?pwd=alV3MHhPNmlPMG1RMkxDO DVWNDJxdz09 Meeting ID: 857 8807 3296 Passcode: 027901 STIINTA SPORTULUI SI EDUCATIEI FIZICE/ THE SCIENCE OF SPOIRTS AND PHYSICAL EDUCATION Link: Join Zoom Meeting https://us02web.zoom.us/i/85403117 896?pwd=ZFJJemxqRHM2N0duVDhTR Gh1RjirZz09 Meeting ID: 854 0311 7896 Passcode: 493448
17:00-18:00	Activități de evaluare Evaluation activities IOSUD: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent Școlii Doctorale din IOSUD UPIT IOSUD: Online meeting with IOSUD academic staff of UPIT Doctoral School	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD - members of IOSUD evaluation panel	Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/839971659 15?pwd=aUhHQk9QYnVsQUJhSTZCQlp



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
,		- cadre didactice cu titlul de conducător de doctorat - Doctoral supervisors	mY1c3QT09 Meeting ID: 839 9716 5915 Passcode: 656248
	N	larti/ <i>Tuesday</i> , 23.11.2021	
09:00-10:00	Activități de evaluare Evaluation activities Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la UPIT Domain: Online meeting with UPIT PhD students	de doctorat - Doctoral supervisors	Meeting ID: 839 9716 5915
			University PhD students – INGINERIA AUTOVEHICULELOR Join Zoom Meeting https://us02web.zoom.us/j/81562669 041?pwd=RHhsRHJvQUpxR0RaS0 dOb3JVaTFIZz09 Meeting ID: 815 6266 9041 Passcode: 795498



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
cuncy			INGINERIA MATERIALELOR/MATERIALS ENGINEERING aracis38@aracis.ro Link: Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la Universitatea din Pitesti/ Online meeting with Pitesti University PhD students — INGINERIA MATERIALELOR
			Join Zoom Meeting https://us02web.zoom.us/j/81543641 884?pwd=ZTBaemNSazFRbmxLNH M0U2NsSTkvQT09 Meeting ID: 815 4364 1884 Passcode: 357947
			INGINERIE ELECTRONICA, TELECOMUNICATII SI TEHNOLOGII INFORMATIONALE/ELECTRONIC ENGINEERING, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES aracis39@aracis.ro Link: Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la Universitatea din Pitesti/ Online meeting with Pitesti University PhD students — INGINERIE ELECTRONICA Join Zoom Meeting https://us02web.zoom.us/j/85877536 705?pwd=cG10Q25VazkwcFU3OFF hNExNVmINdz09 Meeting ID: 858 7753 6705 Passcode: 994395
			INGINERIE INDUSTRIALA/INDUSTRIAL ENGINEERING aracis33@aracis.ro Link: Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la Universitatea din Pitesti/ Online meeting with Pitesti University PhD students – INGINERIE INDUSTRIALA Join Zoom Meeting https://us02web.zoom.us/i/86202195 082?pwd=TFY3ZVhqU2JyV1AzM2JWUXBNeEludz09 Meeting ID: 862 0219 5082 Passcode: 007478
			INGINERIE MECANICA/MECHANICAL ENGINEERING aracis32@aracis.ro Link: Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la Universitatea din Pitesti/ Online meeting with Pitesti University PhD students — INGINERIE MECANICA Join Zoom Meeting https://us02web.zoom.us/i/87697461676?pwd=V1hYSE1xUjl2MnVOR2IGeGdDOWxtdz09 Meeting ID: 876 9746 1676 Passcode: 168104
			MATEMATICA/MATHEMATICS aracis31@aracis.ro



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
,			Link: Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la Universitatea din Pitesti/ Online meeting with Pitesti University PhD students – IMATEMATICA Join Zoom Meeting https://us02web.zoom.us/i/89930151 197?pwd=SFZtRXFkL3dkQ1hvWWZ mRzZQaEs1QT09 Meeting ID: 899 3015 1197 Passcode: 243033
			STIINTA SPORTULUI SI EDUCATIEI FIZICE/ THE SCIENCE OF SPOIRTS AND PHYSICAL EDUCATION aracis30@aracis.ro Link: Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la Universitatea din Pitesti/ Online meeting with Pitesti University PhD students — STIINTA SPORTULUI SI EDUCATIEI FIZICE Join Zoom Meeting https://us02web.zoom.us/j/88278166 950?pwd=RXdJV0V6dGpFMGJEK0I tb1JGRXZGdz09 Meeting ID: 882 7816 6950 Passcode: 616079
10:15-11:15	Activități de evaluare Evaluation activities IOSUD: Întâlnire online a comisiei de evaluare cu studenții doctoranzi de la UPIT IOSUD: Online meeting with UPIT PhD students	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD - members of IOSUD evaluation panel - studenții doctoranzi de la UPIT - UPIT PhD students	înregistrare audio-video/platforma Zoom ARACIS Audio-video recording/ARACIS Zoom platform aracis34@aracis.ro Link: IOSUD: întâlnire online a comisiei de evaluare cu studenții doctoranzi de la Universitatea din Pitesti/ Online meeting with Pitesti University PhD students Tuesday, November 23·10:15 – 11:15am Join Zoom Meeting https://us02web.zoom.us/j/87484109 104?pwd=TFI4L2RScDN4RWVPUn JwSmYzVk85QT09 Meeting ID: 874 8410 9104 Passcode: 957062
11:30-12:30	Întâlnire online cu membrii Comisiei de Etică a universității Online meeting with the members of the Ethics Commission	Comisia de evaluare IOSUD/domenii IOSUD/domain evaluation panel - toți membrii echipei de evaluare - all evaluation panel members - membrii Comisiei de Etică - Ethics Commission members	Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/874071660 32?pwd=ZDFYMkZyMWYra21EUUNyNU JWd20yUT09 Meeting ID: 874 0716 6032 Passcode: 986785
12:45-13:45	Activități de evaluare Evaluation activities Domeniu: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților domeniului Domain: Online meeting with graduates of the respective doctoral study domain	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel - reprezentanți ai absolvenților UPIT - representatives of UPIT doctoral graduates	Domeniu/Domain BIOLOGIE/BIOLOGY Link: Join Zoom Meeting https://us02web.zoom.us/j/854280257 05?pwd=N0xnOW51eUhUMzFucEo2cTF LMXdOUT09 Meeting ID: 854 2802 5705 Passcode: 999683 FILOLOGIE/FILOLOGY Link: Join Zoom Meeting



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
14:00-15:00	Activități de evaluare Evaluation activities Domeniu: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților domeniului Domain: Online meeting with graduates of the respective doctoral study domain	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel - reprezentanți ai absolvenților UPIT - representatives of UPIT doctoral graduates	https://us02web.zoom.us/i/883792394 42?pwd=Y3UwajBFeExFNEhCL1RXaHda ZINKQT09 Meeting ID: 883 7923 9442 Passcode: 614610 INFORMATICA/ INFORMATICS Link: Join Zoom Meeting https://us02web.zoom.us/i/842285775 09?pwd=aUxtdzRvR2FjOU1STFAxc1RPe HIQUT09 Meeting ID: 842 2857 7509 Passcode: 551379 INGINERIA AUTOVEHICULELOR/VEHICLE ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/847322392 86?pwd=UHdNUIA3cHgxY3V0cmVYSUp MrzByZz09 Meeting ID: 847 3223 9286 Passcode: 411212 INGINERIA MATERIALELOR/MATERIALS ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/832591436 40?pwd=QVdzQ0hHVGUyRWJQMIV0SX owc0w1UT09 Meeting ID: 832 5914 3640 Passcode: 858206 INGINERIE ELECTRONIC ENGINEERING, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES Link: Join Zoom Meeting https://us02web.zoom.us/i/823323085 53?pwd=RVBHNHZQU1JtOWJ1Wk56N WgvdzFJQT09 Meeting ID: 823 3230 8553 Passcode: 803704 INGINERIE INDUSTRIALA/INDUSTRIAL ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/841608428 68?pwd=dXBIc25tc1RwWHNNHdXdTR kb0U1Zz09 Meeting ID: 841 6084 2868 Passcode: 373179 INGINERIE MECANICA/MECHANICAL ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/i/895603540 05?pwd=Q2liRm9pVTFleTVaWUkyRidLb HRRQT109 Meeting ID: 895 6035 4005 Passcode: 811468 MATEMATICA/MATHEMATICS Link: Join Zoom Meeting https://us02web.zoom.us/i/810340314 46?pwd=M050MU12RVg2NE1WQ2dNN



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
15:15-16:15	Activități de evaluare Evaluation activities IOSUD: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților IOSUD IOSUD: Online meeting with graduates of the respective doctoral study school	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD - members of IOSUD evaluation panel - reprezentanți ai absolvenților Universitatii UPIT - representatives of UPIT University	ERIUE1vdz09 Meeting ID: 810 3403 1446 Passcode: 664107 STIINTA SPORTULUI SI EDUCATIEI FIZICE/ THE SCIENCE OF SPOIRTS AND PHYSICAL EDUCATION Link: Join Zoom Meeting https://us02web.zoom.us/j/886068878 52?pwd=YkFoVERsWG8ycmNDWDNIW VZGM0dWQT09 Meeting ID: 886 0688 7852 Passcode: 798268 Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/843203904 31?pwd=bXlWNDhPWERtMGxlSjYrWGt OVid6QT09 Meeting ID: 843 2039 0431
		doctoral graduates	Passcode: 183405
10:30-18:00	Reuniuni de lucru față în față ⁶ , vizitarea bazei materiale didactice și de cercetare Face-to-face working meetings, visiting the educational and research infrastructure	- directorul de misiune și coordonatorul, studentul doctorand IOSUD, coordonatorii comisiilor de evaluare a domeniilor de doctorat - the Evaluation Director and the coordinator of the IOSUD evaluation panel, PhD student expert IOSUD, the evaluators at doctoral study domain level - reprezentanți ai UPIT - UPIT representatives	Vizită Universitatea din Pitesti Site visit to Pitesti University
	J	Joi/ <i>Thursday</i> , 25.11.2021	
10.00-10.45	Activități de evaluare Evaluation activities Domeniu: Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare aferente domeniului de studii universitare de doctorat Domain: Online meeting with the Directors/persons in charge of the research centers/laboratories within the doctoral study domain	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel - directorii centrelor/laboratoarelor de cercetare directors of research centers/laboratories	Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Domeniu/Domain BIOLOGIE/BIOLOGY Link: Join Zoom Meeting https://us02web.zoom.us/i/823928366 70?pwd=ZzZYS21NeFU5czJhN0t0OHFr Wk9FZz09 Meeting ID: 823 9283 6670 Passcode: 229158 FILOLOGIE/FILOLOGY
			Link: Join Zoom Meeting https://us02web.zoom.us/j/861821863 34?pwd=cU0xL29hUW5tdDQyNW4wQX ZtaXZUQT09 Meeting ID: 861 8218 6334 Passcode: 381040 INFORMATICA/ INFORMATICS Link: Join Zoom Meeting

⁶ Experții evaluatori la nivelul domeniilor de studii universitare de doctorat pot stabili independent programul vizitei la fața locului, de comun acord cu persoana de contact de la domeniul evaluat și respectând programul întâlnirilor comune cu restul membrilor echipei de evaluare. *The evaluators at doctoral study domain level can independently establish the program of the on-site visit, in agreement with the contact person for the evaluated domain and respecting the schedule of joint meetings with the rest of the evaluation panel members.*



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
orar/(Buchares	Activități de evaluare Evaluation activities Domeniu: Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare aferente domeniului de studii universitare de doctorat Domain: Online meeting with the Directors/persons in charge of the research centers/laboratories within the doctoral study domain	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu - members of domain evaluation panel - directorii centrelor/laboratoarelor de cercetare directors of research centers/laboratories	,
			ENGINEERING Link: Join Zoom Meeting https://us02web.zoom.us/j/851877006 95?pwd=SFVpcHFERXZBQzBzSE5vUkRw ZStOZz09 Meeting ID: 851 8770 0695



Intervalul orar/(Buchares t time)	Activitate/Activity	Participanţi/Participants	Observaţii/Responsabil Comments/Responsible
			STIINTA SPORTULUI SI EDUCATIEI FIZICE/ THE SCIENCE OF SPOIRTS AND PHYSICAL EDUCATION Link: Join Zoom Meeting https://us02web.zoom.us/j/896780446 52?pwd=Q3IrU3pnV3R6RGR0VGpOT2V 6dUwyZz09 Meeting ID: 896 7804 4652 Passcode: 744898
12.00-13.00	Activități de evaluare Evaluation activities IOSUD: Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare aferente IOSUD IOSUD: Online meeting with the Directors/persons in charge of the research centers/laboratories within IOSUD	Comisia de evaluare IOSUD IOSUD evaluation panel - directorii centrelor/ laboratoarelor de cercetare directors of research centers/laboratories	înregistrare audio-video/platforma Zoom UPIT Audio-video recording/ UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/889197874 63?pwd=VWxIMVcyRk9RUS9rWW5KTEt 3MXZvQT09 Meeting ID: 889 1978 7463 Passcode: 155193
13:15- 14:15	Activități de evaluare Evaluation activities IOSUD: Întâlnire cu membrii Consiliului Studiilor Universitare de Doctorat al IOSUD IOSUD: Online meeting with Doctoral University Studies Council (CSUD) members	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD - members of IOSUD evaluation panel - membrii CSUD - CSUD's members	Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/896193410 44?pwd=UGNONVIhdERNeC9iMEtRcS8x bHRIQT09 Meeting ID: 896 1934 1044 Passcode: 485158
15.00-16.00	Activități de evaluare Evaluation activities Întâlnire online cu membrii Comisiei pentru Evaluarea și Asigurarea Calității (CEAC)/Departamentul de asigurare a calității Online meeting with the Commission for Quality Evaluation and Assurance (CEAC) members/Quality Department	Comisia de evaluare IOSUD/ domenii IOSUD and domain evaluation panel - toți membrii echipei de evaluare - all evaluation panel members - reprezentanți ai CEAC/Departament AC - representatives of Commission for Quality Evaluation and Assurance (CEAC)/Quality Assurance Department	Înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/j/813999914 87?pwd=VHFVOU1TQ09VOEpHTDkveT NxaXk4Zz09 Meeting ID: 813 9999 1487 Passcode: 237252
16:15- 17:15	Activități de evaluare Evaluation activities IOSUD and Domain: Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor absolvenților IOSUD UPIT IOSUD and Domain: Online meeting with employers of UPIT doctoral graduates	Comisia de evaluare IOSUD/ domenii IOSUD and domain evaluation panel - toți membrii echipei de evaluare - all evaluation panel members - reprezentanți ai angajatorilor absolvenților IOSUD UPIT - employers' representatives of IOSUD - UPIT doctoral graduates Vineri/Friday, 26.11.2021	înregistrare audio-video/platforma Zoom UPIT Audio-video recording/UPIT Zoom platform Link: Join Zoom Meeting https://us02web.zoom.us/i/889216022 19?pwd=dkc0ZFRvSGtlanEzZjdHREpuc2 MyUT09 Meeting ID: 889 2160 2219 Passcode: 658221
10:00-11:00	Întâlnire online pentru concluzii Online meeting for conclusions	Comisia de evaluare IOSUD/domenii IOSUD and domain evaluation panel - toți membrii echipei de evaluare - all evaluation panel members	înregistrare audio-video/platforma Zoom ARACIS aracis34@aracis.ro Audio-video recording/ARACIS Zoom platform Link: Întâlnire online pentru concluzii/ Online meeting for conclusions Friday, November 26·10:00 – 11:00am Join Zoom Meeting https://us02web.zoom.us/j/89254236 388?pwd=ZVJzdzE3NjlXRzlySmtCT XYzUzJUZz09 Meeting ID: 892 5423 6388 Passcode: 968644
12:00-13:00	Întâlnire finală online în vederea prezentării principalelor constatări	Comisia de evaluare IOSUD/ domenii IOSUD and domain evaluation panel	Înregistrare audio-video/platforma Zoom UPIT



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Intervalul orar/(Buchares t time)	Activitate/Activity	Participanți/Participants	Observații/Responsabil Comments/Responsible
	rezultate în urma evaluării IOSUD și a	- toți membrii echipei de evaluare	Audio-video recording/UPIT Zoom
	recomandărilor de îmbunătățire a	- all evaluation panel members	platform
	calității		Link: Join Zoom Meeting
	Meeting with representatives of the	- reprezentanții UPIT	https://us02web.zoom.us/j/849038011
	institution under review to discuss on the	- UPIT representatives	65?pwd=Q05IN081cVp0dUxaTGRjelRyY
	conclusions of the evaluation process		3Bldz09
	and the main reccomandations		Meeting ID: 849 0380 1165
			Passcode: 147296

Prof. univ. dr. Nicoleta CORBUDirector de misiune

Conf. dr. ing. DUMITRU CHIRLEŞAN
Rector