

**SCIENTIFIC RESEARCH PLAN OF THE
RESEARCH CENTRE FOR ENGINEERING AND MANAGEMENT
(RCEM)
- PERIOD 2020–2024 -**

The Research Centre for Engineering and Management (RCEM) is a research unit without legal personality, established at the level of the Management Department within the Politehnica University of Timisoara. RCEM groups both members of the academic community with real performances in the fields of research *Engineering and Management* and *Public Administration*, as well as young researchers aspiring to scientific results and academic career. Associated researchers may also be part of the RCEM. The role of the center is to collect research ideas and to contribute to increasing the performance of scientific creation at the level of the Politehnica University of Timisoara.

1. RCEM vision

RCEM's vision is connected to the research vision of the Politehnica University of Timisoara, of the Faculty of Management in Production and Transportation and of the Management Department. Thus, through the activities carried out within the RCEM, the aim is to **consolidate competitive research teams, increase the quality of research results, strengthen the material basis** necessary for research activity, **attract and train the competences of young researchers, and increase national and international visibility**.

Thus, it can be concluded that:

The vision of RCEM is to become a research center of excellence in research at the national and international level.

The strengthening of research teams takes place by clearly defining research areas of national and international interest and identifying people with research skills and results obtained in each field.

Increasing the quality of research results aims at publishing them mainly in specialised journals indexed in databases recognised and appreciated at the national and international level and increasing the number of research contracts both at the national and international level, as well as with the business environment.

To increase national and international prestige and recognition, members of the association will be invited with important research, and complex collaborative networks will be invited.

The development of the material base takes place mainly through research laboratories associated with the RCEM. Continuous capitalisation and strengthening of the infrastructure needed for research, including access to equipment, databases, or software, is a condition for achieving and maintaining the status of a research center of excellence.

Finally, the vision of human resources involves encouraging the participation of young researchers, postdoctoral students, Ph.D. students, and master students in research activities.

2. RCEM mission

The mission of the RCEM is to provide the appropriate framework for carrying out research activities, orientated on both fundamental and applicative research, by providing practical solutions and expertise to both the national and regional business environment and public sector decision makers.

The mission of RCEM aligns with the mission of the Politehnica University of Timisoara, while supporting the research mission of the Faculty of Management in Production and Transportation and of the Management Department. This ensures the coherence and coordination of efforts in the field of research, but also the identification of interdisciplinary research topics that meet the current requirements of national and international research.

The research activity within the RCEM is carried out by teachers, Ph.D. and Master students, but also external researchers taking into account the areas of interest of each researcher and the concerns of each project team, respectively, a research grant. Thus, the activity of the center takes place in its own laboratories, the work rooms of the Ph.D. students, or in the room for the meetings of the RCEM members. The activity of the RCEM is usually supported through funded research contracts, but also within institutionalised partnerships, both with the academic environment (other universities and research institutes) and with private companies, for the topics of applied research. In this context, the mission of the RCEM is to expand its research network and increase visibility of the research activities carried out.

3. Strategic objectives of the RCEM

The strategic objectives of the RCEM are set in such a way as to enable its mission to be achieved and, at the same time, to meet the current societal requirements related to technological development, innovation, governance, economic policies, progress, and cohesion.

A. Attracting in the activities of the center some members with real preoccupations in the field of scientific research

The Research Centre is made up of professors and Ph.D. students from the Faculty of Management in Production and Transportation. The list of researchers involved in the centers' work is as follows (Table 1):

Table 1. Composition of the RCEM

Item number	Name and surname	Areas of interest in research	Ph.D. Supervisor
1.	Prof. ALBULESCU Claudiu Tiberiu, Ph.D.	Financial macroeconomics, Finance-Banking, Financial management, Energy savings, Entrepreneurship and innovation	IOSUD-UVT, Doctoral School of Economics and Business Administration
2.	Prof. Eng., Ec. DRĂGHICI Anca, Ph.D.	Organisational dynamics, Ergonomics, Organisational culture, Knowledge Management, Innovation	IOSUD-UPT
3.	Prof. Eng. DUMITRESCU Constantin, Ph.D.	Quality management	IOSUD-UPT
4.	Prof. GRECU Eugenia, Ph.D.	Economic resources, Dynamics of public organisations, Environmental economics	Qualification certificate (unaffiliated)
5.	Prof. Habil. Eng. IVAȘCU Larisa, Ph.D.	Sustainable development, Marketing, Organizational, Risk Management	IOSUD-UPT
6.	Prof. Eng., Ec. MOCAN Marian, Ph.D.	Logistics, Strategic management	IOSUD-UPT
7.	Prof. Eng. PETREA IZVERCIAN Monica, Ph.D.	Marketing, Sustainable development	IOSUD-UPT

8.	Prof. Eng. PROȘTEAN Gabriela, Ph.D.	Project management, Management of organisations	IOSUD-UPT
9.	Prof. Habil. Eng. PUGNA Adrian, Ph.D.	Quality management	IOSUD-UPT
10.	Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D.	Entrepreneurship, Management of organisations, Public management	IOSUD-UPT
11.	Assoc. Prof. Ec. ARTENE Alin, Ph.D.	Audit, Accounting	
12.	Assoc. Prof. Eng. BELGIU George, Ph.D.	Management of production processes, Design	
13.	Assoc. Prof. Eng. MIHĂRTEȘCU Andreea, Ph.D.	Marketing, User-centered design	
14.	Assoc. Prof. Eng. NEGRUȚ Mircea, Ph.D.	Project management in the field of construction, Systems engineering	
15.	Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D.	Research and development management, Management of organizations, Innovation	
16.	Lecturer Eng. BUCIUMAN Cella, Ph.D.	Operational research, Marketing	
17.	Lecturer LUMINOSU Caius, Ph.D.	Law and legislation, Environmental economics	
18.	Lecturer MICLEA Șerban, Ph.D.	Marketing, Entrepreneurship, Financial management	
19.	Lecturer POTRA Sabina, Ph.D.	Managerial communication, Quality management, Marketing, Consumer behavior	
20.	Lecturer Eng. STRĂUȚI Gabriela Ph.D.	Management and marketing	
21.	Lecturer Eng. TION Monica, Ph.D.	Human resources management, Marketing	
22.	Lecturer Eng. TURI Attila, Ph.D.	Logistics, IT management systems	
23.	Lecturer Ec. Math. VARTOLOMEI Mihaela, Ph.D.	Mathematical economics, European economy, International economic relations, Private accounting	
24.	As. Eng. DIACONESCU Andra, Ph.D.	Project management, Communication, and public relations	
25.			
26.	Ph.D. students *		
27.	master students*		
28.	associate members**		
Note - *Researchers with temporary membership status of RCEM (Annex 1). Annex 1 is updated annually. - **Researchers with associate membership of RCEM (Annex 2). Annex 2 is updated annually.			

The composition of the RCEM provides that the temporary members (postdoctoral, doctoral, or master students) represent at least 30% of the permanent members. Updates to the list of RCEM members, depending on their results and their statutes, **take place annually** at an **ordinary meeting of the RCEM where the balance of the research results for the previous year is presented**. Each RCEM researcher with permanent membership must have annually at least one scientific research activity, materialised by publications, patents, participations in conferences or research grants. In the absence of such an activity, its exclusion from the RCEM may be proposed and subject to approval.

B. Defining the areas of scientific research and identifying the research topics of interest

RCEM's research fields are divided into two main research directions, namely, *Engineering and Management* and *Public Administration*.

For RCEM, scientific research in the field of *Engineering and Management* is defining. This gives the dominant note of the research strategy and tactics at the RCEM level, in order to increase the prestige

and image of the Management Department and the Faculty of Management in Production and Transportation both locally/regionally and nationally/internationally. It aims to increase the visibility of scientific research towards environments and stakeholders, by presenting the research results at national and international impact conferences, workshops, round tables, workshops, etc. Research topics related to this research direction are (Table 2):

Table 2. Research topics for the Engineering and Management research field

Item number	Research topics	Research Team	Grants and projects related to the research topic
1.	Entrepreneurship and innovation	Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D. Prof. Eng., Ec. DRĂGHICI Anca, Ph.D. Prof. ALBULESCU Claudiu Tiberiu, Ph.D. Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D. +1 Ph.D. student	“The impact of economic and financial stability on investment, innovation and entrepreneurship in the EU” - PN-II-RU-TE-2014-4-1760 (Director – Prof. ALBULESCU Claudiu, Ph.D.)
2.	Sustainable development and risk	Prof. Habil. Eng. IVAȘCU Larisa, Ph.D. Assoc. Prof. Ec. ARTENE Alin, Ph.D. Lecturer Eng. TURI Attila Ph.D. +1 Ph.D. student +2 master students	Capacity assessment organisational for sustainable development in the context of the circular economy, (Grant GNaC2018 - ARUT, no. 1359 / 01.02.2019), Director Prof. IVAȘCU Larisa, Ph.D.
3.	Industry 4.0.	Prof. Eng., Ec. MOCAN Marian, Ph.D. Prof. Eng., Ec. DRĂGHICI Anca, Ph.D. Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D. Lecturer Eng. TURI Attila, Ph.D. +1 master student	Making a flexible manufacturing line for the simulation of entrepreneurial activities in the productive field (FlexSASTM), contract CNFIS-FDI-2019-0690 director Prof. MOCAN Marian, Ph.D.
4.	Quality management	Prof. Eng. DUMITRESCU Constantin, Ph.D. Prof. Habil. Eng. PUGNA Adrian, Ph.D. Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D. Assoc. Prof. Eng. BELGIU George, Ph.D. Lecturer POTRA Sabina, Ph.D. Lecturer MICLEA Șerban, Ph.D. +1 master student	
5.	Financial management and management accounting	Prof. ALBULESCU Claudiu Tiberiu, Ph.D. Prof. GRECU Eugenia, Ph.D. Assoc. Prof. Ec. ARTENE Alin, Ph.D. Lecturer Ec. Math. VARTOLOMEI Mihaela, Ph.D. Lecturer MICLEA Șerban, Ph.D. +1 master student	„Gaining access to the Orbis Bank Focus database (Bureau van Dijk)” - PN-III-P1-1.1-MC-2017-0383 (Director Prof. ALBULESCU Claudiu, Ph.D.)
6.	Management of projects and information systems	Prof. Eng. PROȘTEAN Gabriela, Ph.D. Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D. Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D. Assoc. Prof. Eng. NEGRUȚ Mircea, Ph.D.	„Electric, Electronic and Green Urban Transport Systems – eGUTS” - DTP1-454-3.1 eGUTS (Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D.)

		As. Eng. DIACONESCU Andra, Lecturer eng. +1 Ph.D. student	„Analyzing and validating the methodology calculation used by the author for determination of the cost of subsystems constructions included in the above mentioned cost catalogues” – Third parties (Director – Assoc. Prof. Eng. NEGRUȚ Mircea, Ph.D.)
7.	Human resource management, ergonomics and organizational culture	Prof. Eng., Ec. DRĂGHICI Anca, Ph.D. Assoc. Prof. Ph.D. Eng. MIHĂRTEȘCU Andreea +1 Ph.D. student	„Knowledge management-based research on industry-university collaboration in open innovation” - PN-II-PT-PCCA2013-4-0616 (Director Prof. Eng., Ec. DRĂGHICI Anca, Ph.D.)
8.	Management of logistics systems	Prof. Eng., Ec. MOCAN Marian, Ph.D. Prof. Habil. Eng. IVAȘCU Larisa, Ph.D. Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D. Lecturer Eng. TURI Attila, Ph.D. +1 Ph.D. student +1 master student	Traffic study for the improvement of car and pedestrian traffic conditions in Dumbrăvița commune, Timiș county, Director - Prof. Eng., Ec. MOCAN Marian, Ph.D.
9.	Production systems management	Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D. Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D. Assoc. Prof. Eng. BELGIU George, Ph.D. Lecturer Eng. STRĂUȚI Gabriela, Ph.D. +1 master student	“Quality management of electronic products for the automotive industry”, “Design of production facilities industrially”, “Reverse engineering for product 'door hager', 'Optimisation of chipping processing” –Third parties (Directory – Assoc. Prof. Eng. BELGIU George, Ph.D.)
10.	Strategic management and organizational performance	Prof. Eng., Ec. MOCAN Marian, Ph.D. Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D. Prof. Habil. Eng. IVAȘCU Larisa, Ph.D. Lecturer Eng. STRĂUȚI Gabriela, Ph.D. +1 Ph.D. student	„Diagnostic analysis of MCA Invest Industrial SRL and development of the company's development strategy” – Third parties (Directory – Prof. Eng., Ec. MOCAN Marian, Ph.D.)
11.	Marketing	Prof. Eng. PETREA IZVERCIAN Monica, Ph.D. Assoc. Prof. Eng. MIHĂRTEȘCU Andreea, Ph.D. Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D. Lecturer MICLEA Șerban, Ph.D. Lecturer Eng. TION Monica, Ph.D. Lecturer POTRA Sabina, Ph.D. +1 Ph.D. student +1 master student	

For the RCEM, scientific research in the field of *Public Administration* is of concern. This field of scientific research is in the consolidation stage, both in terms of the setting of research topics and the identification of research teams. The development of the field involves encouraging research partnerships with public and private organisations, but also identifying and initiating collaborations in the European Research Area to promote research proposals and fundraising. The necessity of developing the research field results both from the educational offer of the Faculty of Management in Production and Transportation, as well as from the capitalisation in the didactic plan of the results of the scientific research carried out by the RCEM members. The research topics related to the *Public Administration* field are (Table 3):

- Legal, communication, and ethical aspects in public administration
- Dynamics of organisations – culture of performance in public administration
- Environmental and energy economics
- Project management in public administration
- Public management and sustainable development of localities
- Economic policies and governance
- Institutional, local, and regional development strategies

Table 3. Research topics for the field of research *Public Administration*

Item number	Research topics	Research Team	Grants and projects related to the research topic
1.	Legal, communication, and ethical aspects in public administration	Prof. GRECU Eugenia, Ph.D. Lecturer POTRA Sabina, Ph.D. Lecturer LUMINOSU Caius, Ph.D. + 1 master student	
2.	Dynamics of organisations – culture of performance in public administration	Prof. Eng., Ec. DRĂGHICI Anca, Ph.D. Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D. Lecturer MICLEA Șerban, Ph.D. + 1 Ph.D. student	„Knowledge management-based research on industry-university collaboration in 3. Open innovation” - PN-II-PT-PCCA2013-4-0616 (Directory: Prof. Eng., Ec. DRĂGHICI Anca, Ph.D.)
3.	Environmental and energy savings	Prof. ALBULESCU Claudiu Tiberiu, Ph.D. Prof. Habil. Eng. IVAȘCU Larisa, Ph.D. Lecturer MICLEA Șerban, Ph.D. Assoc. Prof. Ec. ARTENE Alin, Ph.D. Lecturer LUMINOSU Caius, Ph.D. + 2 Ph.D. students	“Relationship between energy investments, shocks in energy prices and macroeconomic variables in EU countries” - PN-III-P1-1.1-TE-2016-0142 (Director – Prof. ALBULESCU Claudiu, Ph.D.)
4.	Project management in public administration	Prof. Eng. PROȘTEAN Gabriela, Ph.D. Assoc. Prof. Eng. NEGRUȚ Mircea, Ph.D. As. Eng. DIACONESCU Andra, Ph.D. + 1 master student	
5.	Public management and sustainable development of localities	Prof. Eng. PROȘTEAN Gabriela, Ph.D. Prof. Habil. Eng. IVAȘCU Larisa, Ph.D. Assoc. Prof. Ec. ARTENE Alin, Ph.D. + 1 master student	„Substantiation studies on: Social surveys; The evolution of economic activities, respectively, the sociodemographic evolution for Ghiroda commune, county. Timis - consisting of Ghiroda locality and Giarmata-Vii village.” – Third parties (Director – Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D.)
6.	Economic policies and governance	Prof. ALBULESCU Claudiu Tiberiu, Ph.D. Prof. Habil. Eng., Ec. TĂMĂȘILĂ Matei, Ph.D. Assoc. Prof. Eng. TĂUCEAN Ilie, Ph.D. Prof. GRECU Eugenia, Ph.D. Lecturer MICLEA Șerban, Ph.D. + 2 Ph.D. students + 1 master student	“The impact of economic and financial stability on investment, innovation and entrepreneurship in the EU” - PN-II-RU-TE-2014-4-1760 (Director – Prof. ALBULESCU Claudiu, Ph.D.)
7.	Institutional, local and regional development strategies	Prof. Eng., Ec. MOCAN Marian, Ph.D. Prof. Habil. Eng. PUGNA Adrian, Ph.D. Prof. Habil. Eng. IVAȘCU Larisa, Ph.D. Lecturer Eng. TURI Attila, Ph.D. + 1 master student	

C. Making a media corner within the center

Taking into account the dynamics of academic and business environments, it becomes appropriate to create a media corner within the RCEM. This media corner will be set up in the RCEM hall. The purpose of this objective is to initiate various meetings with guests from the academic and business environment. In this way, new opportunities can be identified for all members of the center and external collaborations can be developed.

The guests targeted by this media corner can be:

- Special guests of some journals
- Special guests at conferences
- Collaborators of the RCEM members
- Business guests
- Teaching staff from UPT
- Teaching staff from other universities
- External collaborators
- Other guests.

D. Encouraging scientific debates within the center

Given the interdisciplinary character of the fields of study taught at the Faculty of Management in Production and Transportation, but especially the very heterogeneous research profile of the RCEM members, the RCEM members, research activity is carried out in research teams. However, in order to facilitate the exchange of ideas, receive varied feedback, and improve the quality of their editorial work, RCEM members meet regularly, **twice a semester**, to give rise to extensive debates on topics of interest. These debates aim at three aspects: (i) attracting external researchers and representatives of the business environment/public domain in RCEM meetings and their presentation of scientific papers (invited conferences) or issues of local or national interest, (ii) the active involvement of RCEM members in collective scientific debates, and (iii) the attraction of young researchers in RCEM activity. Therefore, during the RCEM meetings, it is desired that for the three biannual meetings we will have an external intervener, a scientific presentation from a member of the RCEM, and a presentation from a PhD student/master student.

All members of the Management Department, including PhD students, are invited to attend the RCEM meetings.

E. Regular information of RCEM members and management department staff on research opportunities.

RCEM members will be regularly informed by the RCEM Director and the Promotion Officer. The information on the website will be constantly updated.

F. Improving the quality of research results

Improving the quality of research results is a major concern of the RCEM. Among the evaluation criteria of the research centers, are included according to the methodology for the internal evaluation and accreditation in UPT of the Research Centers: publishing articles, publishing books, obtaining patents, and obtaining research projects and grants.

First at all, the quality of scientific production will increase through regular programming of debates on scientific topics within the RCEM meetings. Secondly, the publication of articles in web-based science-indexed journals (Clarivate Analytics), the publication of books in nationally and internationally recognised publishing houses, and the obtaining of research grants with national and

international impact are encouraged. These criteria score the highest in the methodology mentioned above and allow the KIC to be classified as a center of research excellence.

G. Supporting scientific research activities within the Management Department

The activity of RCEM is related to the research activity at the level of the Faculty of Management in Production and Transportation and of the Management Department. Therefore, RCEM members have the duty to actively participate in all research actions initiated at the faculty or department level.

First of all, it is necessary to support the development of the Scientific Bulletin of the Politehnica University of Timisoara – Transactions in Engineering and Management, by sending quality papers for publication and by encouraging external colleagues from the research network to publish in the department's bulletin. The aim is to index the journal in as many international databases as possible and thus increase its visibility. The research activity of the RCEM should also be exploited through publications in this journal.

Secondly, RCEM members must be actively involved in organising and supporting with scientific papers the International Management Symposium, a conference with tradition organised in partnership with the Management Department of the West University of Timisoara. RCEM has the duty to support any scientific event organised at the level of the Department of Management or the Faculty of Management in Production and Transportation.

Third, RCEM members should pursue the opportunity to develop teaching and research laboratories that provide the necessary infrastructure for carrying out research at the department and center level (Annex 3). In addition to established laboratories, it is necessary to support the development of new laboratories (EcosEc, LeanSusLab, Google, etc.) through didactic and research activities. The development of the material base of laboratories that support research at the RCEM level is a necessary condition to ensure the status of a research center of excellence.

Finally, the RCEM should be involved in developing partnerships with industry or local and regional public institutions.

H. Increasing RCEM visibility

Increase the visibility of RCEM activity is necessary to obtain the status of a research center of excellence. The necessary measures in this regard include:

- Improving the visibility of RCEM on the ERRIS platform (Engage in the Romanian Research Infrastructure System). This initialised operation at the RCEM level is carried out with the support of the Politehnica University of Timisoara, and activities will be undertaken to update the infrastructure.
- Presentation and promotion of RCEM at master's programmes to increase its attractiveness among young researchers.
- Presenting and promoting the RCEM to all PhD students to increase its attractiveness among young researchers.
- RCEM promotion in scientific and business meetings.
- Consolidation and improvement of the RCEM web page, in Romanian language, as an integral part of the website of the Faculty of Management in Production and Transportation. The development of sub-pages (scriptures), as follows:
 - Research team
 - Scientific events
 - Research infrastructure
 - Publications
 - Useful material

- Contact.
- Consolidation and improvement of the RCEM Web page, in English, as an integral part of the website of the Faculty of Management in Production and Transportation. The development of sub-pages (scriptures), as follows:
 - Members
 - Scientific manifestations
 - Infrastructure
 - Publications
 - Materials
 - Contact.
- Personal marketing activities for RCEM members. On the one hand, the RCEM website must include the updated CVs of the center's members, and on the other hand it is necessary to register them on platforms that carry out various rankings of institutions and researchers (e.g.- Publons, ResearchGate, RepecIdeas, ResearcherID, Google Scholar, Academia, etc.), so as to increase the visibility of the group of researchers.
- Other activities to promote the RCEM as a result of identifying future opportunities.

Director of the Research Centre for Engineering and Management,
Prof. Habil. eng. Larisa IVAȘCU, Ph.D.

Annex 1 – List of temporary members of the RCEM (year 2023)**A. PhD students**

Item number	Name and surname	PhD scientific coordinator	Ph.D. students' email
1	Ardelean Mihai	Professor Larisa Ivaşcu	mihai-constantin.ardelean@student.upt.ro
2	Balla Alexandra	Professor Anca Drăghici	alexandra.ballal@student.upt.ro
3	Barmayoun Darius	Professor Marian Mocan	darius.barmayoun@student.upt.ro
4	Biholar Aurelia-Ioana	Professor Anca Drăghici	aurelia.biholar@student.upt.ro
5	Bogdea Constantin Florin	Professor Larisa Ivaşcu	constantin.bogdea@student.upt.ro
6	Chincea Rebecca Ioana	Professor Matei Tămăşilă	rebecca.chincea@student.upt.ro
7	Cisma Timea	Professor Larisa Ivaşcu	timea.cisma@student.upt.ro
8	Coroian Alexandra	Professor Larisa Ivaşcu	alexandra.coroian@student.upt.ro
9	Dobre Andreas	Professor Larisa Ivaşcu	alexis-andreas.dobre@student.upt.ro
10	Făget Mădălina Floriana	Professor Marian Mocan	madalina.faget@student.upt.ro
11	Farcean Ioana	Professor Gabriela Proştean	ioana.farcean@student.upt.ro
12	Mirea Nicoleta	Prof.univ.dr.ing. Anca Drăghici	nicoleta.mirea@student.upt.ro
13	Olenici Carina	Professor Adrian PUGNA	carina olenici@student.upt.ro
14	Rozovlean Delia	Professor Larisa Ivaşcu	delia.rozovlean@upt.ro
15	Samfirescu Mircea	Professor Larisa Ivaşcu	mircea-ilie.samfirescu@student.upt.ro
16	Suru Silviu Nicusor	Professor Gabriela Proştean	silviu.suru@student.upt.ro
17	Şaptebani Neta	Professor Marian Mocan	neta-ionelia.saptebani@student.upt.ro
18	Tăucean Valentina	Professor Anca Drăghici	valentina-corina.taucean@student.upt.ro
19	Vlad Ciprian Sorin	Professor Larisa Ivaşcu	ciprian-sorin.vlad@student.upt.ro
20	Voicu Vladimir	Professor Anca Drăghici	vladimir.voicu@student.upt.ro
21	(will be completed)		

B. Master students

Item number	Name	Master	Topic of interest	Email
1	Bogluț Geanina	IMSL	Entrepreneurial management	geanina.boglut@student.upt.ro
2	Cora Sara	MAAA	Entrepreneurial management	gabriela.cora@student.upt.ro
3	Crișan Cătălina	IMCC	Entrepreneurial management	crisancatalina99@yahoo.com
4	Goloșie Grațian	IMC	Entrepreneurial management	gratian.golosie@student.upt.ro
5	Iacob Timeea	MOP	Management of public organizations	iacabalice@yahoo.com
6	Jurca Lucia	IMC	Leadership	lucia.jurca@student.upt.ro
7	Kaşai Roxana	MOP	Management of public organizations	paula.kasai@student.upt.ro
8	Nemoianu Adile	IMC	Leadership	adile.nemoianu@student.upt.ro
9	Nistora Diana	MAAA	Entrepreneurial management	diana.nistora@student.upt.ro
10	Stan Nicoleta	MAAA	Entrepreneurial management	nicoleta.stan@student.upt.ro
11	Trică Oriana	IMCC	Entrepreneurial management	orianatrica@yahoo.co.uk
12	Vlăduțescu Raluca	IMSL	Logistics systems management	raluca.vladutescu@student.upt.ro

Annex 2 – List of RCEM associated members

Prof. Arash Shahin, PhD

Professor of Quality Engineering and Management
Director of the Office of Industry Relations
Director of Quality Management Research Group
Department of Management, University of Isfahan, Isfahan, Iran
E-mail (University): shahin@ase.ui.ac.ir
E-mail (Academic): arashshahin@hotmail.com

Prof. José Alberto Eguren, PhD

Industrial Organisation
Mechanical and Industrial Production Department
Mondragon Unibertsitatea - Escuela Politécnica Superior
Email: jaeguren@mondragon.edu
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Adriana Muțiu

Procurement and Supply Professional, Independent Contractor
Reskind, International
Email: adriana@Mutiu.net, adriana.mutiu@reskind.com

Simona Rus

Alpha Bank S.A. Romania
Email: simona_rus@yahoo.com

(will be completed) – after proposals

Annex 3 – Teaching and research laboratories at the management department level

ECOSEC – Sustainability and Risk Laboratory16

LeanSuSLab – Lean and Sustainability Laboratory 18

Operational Research..... **Error! Bookmark not defined.**

Engineering and Quality Management..... **Error! Bookmark not defined.**

Integrated Laboratory of Information Systems for Business..... **Error! Bookmark not defined.**

Production Systems Design / Production Systems Management **Error! Bookmark not defined.**

Flexible Production Systems / Production Systems Management **Error! Bookmark not defined.**

Information Systems for Process and Project Management **Error! Bookmark not defined.**

MANAGEMENT DEPARTMENT

LABORATORY SHEET EcosEc – Sustainability and Risk Laboratory



Address: 300191 Timisoara, 14 Remus Street, floor 1, M105 room

Responsible: Prof. Habil. Eng. Larisa IVAȘCU, Ph.D.

Administrator: Eng. Ioan NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Computing technique	1. Tablets – 10 pieces 2. Video projector – 1 piece 3. Software tool for sustainability assessment 4. Software tool to evaluate the circularity of products	2019 2010 2019 2019	X	X
General-purpose equipment	1. Internet access 2. Portable whiteboard – 1 piece	2008	X	X
Other equipment	1. Furniture (18 tables and 30 chairs)	2008	X	X

DISCIPLINES SERVED BY THE LABORATORY

Item number	Discipline name	Study program ¹	Number of students in 2017/2018	Year of study ¹ / Semester
1	Sustainable development applied in logistics systems	M: Logistics systems engineering and management	30	IM / 3
2	Sustainability and risk	M: Master of entrepreneurship in business administration	30	IM / 3
3	Marketing 1	L: Engineering and management	120	II / 3
4	Eco-efficiency of logistics systems	M: Logistics systems engineering and management	30	IM / 2
5	Strategic management	M: Master of entrepreneurship in business administration	30	IM / 1
6	Strategic management	M: Engineering and competitiveness management	30	IM / 1
7	Sustainable development and leadership	M: Management of public organisations	30	IM / 2
8	Public relations	L: Public administration	30	AP / 3
9	Marketing of public services	L: Public administration	30	AP / 3
10	Urban marketing	L: Public administration	30	AP / 3
11	Cultural marketing	L: Public administration	30	AP / 3

¹ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.

LABORATORY SHEET
LeanSuSLab – Lean and Sustainability Laboratory



Address: 300191 Timisoara, 14 Remus Street, floor 1, M104 room

Responsible: Assoc. Prof. Eng. Ilie TĂUCEAN, Ph.D.

Administrator: Eng. Ioan NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Computing technique	<ol style="list-style-type: none"> 1. Video projector – 1 piece 2. Lego parts for organisational processes 3. SLIM game 4. Lean Simulation Game – The Game of Lean Manufacturing – Improve Performance Workshop 	<p>2010</p> <p>2018</p> <p>2018</p> <p>2018</p>	X	X
General-purpose equipment	<ol style="list-style-type: none"> 1. Internet access 2. Portable whiteboard – 1 piece 	2008	X	X
Other equipment	<ol style="list-style-type: none"> 1. Furniture (18 tables and 30 chairs) 	2008	X	X

DISCIPLINES SERVED BY THE LABORATORY

Item number	Discipline name	Study program ²	Number of students in 2017/2018	Year of study ³ / Semester
1	Computer-integrated management analysis	M: Engineering and competitiveness management	18	IM / 1
2	Operational management	M: Master of entrepreneurship in business administration	30	IM / 2
3	Engineering and investment management	M: Master of Entrepreneurship in Business Administration	30	IM / 2
4	Diagnostic analysis	M: Engineering and competitiveness management	30	IM / 1
5	Knowledge management and business negotiation	M: Master of entrepreneurship in business administration	30	IM / 3
6	Process improvement - reengineering	M: Master of entrepreneurship in business administration	30	IM / 3
7	Public finance management	M: Management of public organisations	30	IM / 2

² **L**= undergraduate university study programs: **M**= Master's degree programs.

³ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.

LABORATORY SHEET

Operational Research



Address: 300191 Timisoara, 14 Remus Street, ground floor, M015 room

Responsible: Lecturer Liana PATER, Ph.D.

Administrator: Eng. Ioan NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Computing technique	1. Computer network – 12 pieces 2. PC – 3 pieces	2018 2007	X	X
General-purpose equipment	1. Internet access 2. Portable whiteboard – 1 piece	2008	X	X
Other equipment	1. Furniture (18 tables and 30 chairs)	2008	X	X

DISCIPLINES SERVED BY THE LABORATORY

Item number	Discipline name	Study program ⁴	Number of students in 2017/2018	Year of study ⁵ / Semester
1	Operational research	L: Engineering and management	116	II / 3
2	Mathematical methods of modelling material flows	M: Logistics systems engineering and management	43	I M / 1
3	Applied mathematics in competitiveness management	M: Engineering and competitiveness management	25	I M / 2
4	Computer-controlled manufacturing systems	L: Engineering and management	40	IV / 8
5	Design and management of chemical enterprises	L: Engineering and management	36	IV / 8
6	Project management	M: Logistics systems engineering and management	43	I M / 2
7	Project management	M: Engineering and competitiveness management	25	I M / 2

⁴ **L**= undergraduate university study programs: **M**= Master's degree programs.

⁵ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.

LABORATORY SHEET

Engineering and Quality Management



Address: 1 Mihai Viteazul Boulevard, SPM, floor 2, 204 room

Responsible: Prof. Eng. Adrian Pavel PUGNA, Ph.D.

Administrator: Eng. Ion NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Office equipment	1. Laboratory tables – 23 pieces 2. Desk – 1 piece 3. Cabinets – 2 pieces 4. Chairs – 50 pieces 5. Blackboard	2002	X	X
Speciality equipment	1. Digital callipers 2. Lear kits 3. Luxmeter 4. Micrometres 5. Comparators	2002	X	X

DISCIPLINES SERVED BY THE LABORATORY

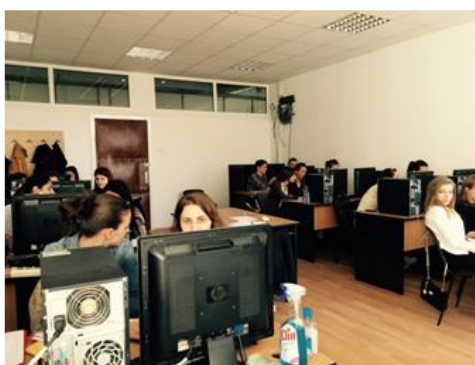
Item number	Discipline Name	Study program ⁶	Number of students in 2017/2018	Year of study ⁷ / Semester
1	Engineering and quality management	L: Engineering and management/economic engineering in the electrical, electronic, and energy fields	63	III IM / 6
2	Engineering and quality management	L: Engineering and management / industrial economic engineering	33	III IM / 6
3	Engineering of assimilation of new products	L: Engineering and management / industrial economic engineering	40	IV IM / 7
4	Theory and engineering of systems	L: Engineering and management	164	II IM / 3
5	Ergonomics	L: Engineering and management	164	II IM / 4
6	Maintenance of machines and devices	L: Engineering and management	40	IV IM / 7

⁶ **L**= undergraduate university study programs: **M**= Master's degree programs.

⁷ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.

LABORATORY SHEET

Integrated Laboratory of Information Systems for Business



Address: Building SPM, 1 Mihai Viteazul Boulevard, Timisoara

Responsible: Prof. Eng. Gabriela PROȘTEAN, Ph.D.

Administrator: Eng. Ion NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Computing technique	PC – 16 pieces	2007	x	x
Office equipment	Mobile writing board	2002	x	x
General-purpose equipment	Furniture: 16 tables, 1 desk, 30 chairs	2007	x	x
Speciality equipment	SOFTWARE (1. Windows server licence domain controller: Windows SBS Standard 2003 R2 English 1pk DSP OEI CD 1-2CPU 5 Clt SR1 2 Windows SBS CAL 2003 English 1pk 5 Clt Device CAL 3 Application server license: Windows Svr Std 2003 R2 Win32 English 1pk DSP OEI CD 1-4CPU 5 Clt 4 Windows Server CAL 2003 English 1pk – 5 SAP IDES- Virtual machine created locally in collaboration with LASTING SRL Timisoara configuration made in 2013 Microsoft Project 2010 configuration made in 2012 MATLAB	2008	x	x

DISCIPLINES SERVED BY THE LABORATORY

Item number	Discipline name	Study program ⁸	Number of students in 2017/2018	Year of study ⁹ / Semester
1	Computer-aided design and electrical systems	L: Economic engineering in the field of electrical, electronic and energy	54	III IM / 2
2	Intelligent systems in electrotechnics	L: Economic engineering in the field of electrical, electronic and energy	35	IV IM / 2
3	Information systems in logistics	M: Logistics systems engineering and management	25	I IM / 1
4	Computer-integrated management analysis	M: Engineering and competitiveness management	18	I IM / 1
5	Engineering and management of innovation	M: Engineering and competitiveness management	16	II IM / 1

⁸ **L**= undergraduate university study programs: **M**= Master's degree programs.

⁹ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.

LABORATORY SHEET
PRODUCTION SYSTEMS DESIGN / PRODUCTION SYSTEMS MANAGEMENT



Address /telephone: 1 Mihai Viteazul Boulevard, SPM, 2nd floor, room 214B and ground floor P1 / 0256-403612

Responsible: Assoc. Prof. Eng. George BELGIU, Ph.D.

Administrator: Eng. Ion NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Computing technique	PC – 16 pieces	2008	x	x
Office equipment	Mobile writing board	2002	x	x
General-purpose equipment	1. Furniture: computer tables – 18 pieces 2. Chairs – 24 pieces 3. Desk – 1 pieces 4. Cabinets with shelves – 2 pieces 5. Network switch – 1 piece	2007	x	x
Speciality equipment	1. Smart Board – 1 piece 2. Video projector – 1 piece	2008	x	x
Other equipment	1. Simul8 licences – unlimited number UPT 2. SolidWorks licences 2018 – 200 pieces 3. Siemens NX licences – 12 pieces 4. Technomatix licences – 12 Pieces 5. ProModel licences -unlimited number UPT	2017	x	x

DISCIPLINES SERVED BY THE LABORATORY

Item number	Discipline name	Study program ¹⁰	Number of students in 2017/2018	Year of study ¹¹ / Semester
1	Design of production systems in the construction of machines and devices	L: Industrial economic engineering	40	IV IM / 7
2	Design of production systems in the electrical, electronics, and electrotechnical industry	L: Economic engineering in the field of electrical, electronic, and energy	54	IV IM / 7
3	Production management in machinery and equipment construction	L: Industrial economic engineering	40	IV IM / 7
4	Computer-aided design and electrical systems	L: Economic engineering in the field of electrical, electronic, and energy	54	III IM / 6
5	Elaboration of the diploma project: technical and economic documentation	L: Industrial economic engineering L: Economic engineering in the field of electrical, electronic, and energy	20	IV IM / 8

¹⁰ **L**= undergraduate university study programs: **M**= Master's degree programs.

¹¹ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.

LABORATORY SHEET

Flexible Production Systems / Production Systems Management



Address / telephone: 1 Mihai Viteazul Boulevard, SPM, ground floor P1-P12 and / first floor. 2, room 214B / 0256-403612

Responsible: Assoc. Prof. Eng. George BELGIU, Ph.D.

Administrator: Eng. Ion NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Computing technique	1. Server – 1 piece 2. PC – 15 pieces	2014	x	x
Office equipment	1. Copier – 1 piece 2. Printer – 1 piece 3. Video projector – 1 piece	2014	x	x
General-purpose equipment	1. Furniture: computer tables – 25 pieces 2. Chairs – 50 pieces 3. Desk – 1 piece 4. Cabinets with shelves – 10 pieces 5. Network switch – 4 pieces	2007	x	x
Speciality equipment	1. Milling Processing Centre 2. Turning processing centre Lynx 220B 3. FARO polyarticulated arm for scanning and measuring 1,8m. 4. Mass measure 2x1m 5. Round grinding machine 6. Plan grinding machine 7. CNC Tool Preset 8. Tool fretting device CNC 9. Tools, devices, testers 10. 3D Printer Object 24 11. Renishaw BallBar for turning and milling 12. Pallet truck, lifting equipment.	2014	x	x
Other equipment	1. Sistem DNC 2. DNC – Cimco 2014 3. SolidCAM 2014 4. Device to check the LRU 5. Grinder	2014	x	x

DISCIPLINES SERVED BY THE LABORATORY

Item number	Discipline name	Study program ¹²	Number of students in 2017/2018	Year of study ¹³ / Semester
1	Computer-driven flexible manufacturing systems	L: Industrial economic engineering	40	IV / 8
2	Design of production systems in the construction of machines and devices	L: Industrial economic engineering	40	IV / 7
3	Design of production systems in the electrical, electronic, and electrotechnical industry	L: Economic engineering in the field of electrical, electronic, and energy	54	IV / 7
4	Production management in machinery and equipment construction	L: Industrial economic engineering	40	IV / 7
5	Assembly and packaging machinery	L: Industrial economic engineering	40	IV / 7
6	Technological processes of processing and control	L: Industrial economic engineering	43	III / 5
7	Technological processes of assembly and packaging	L: Industrial economic engineering	40	IV / 8
8	Design of technological equipment	L: Industrial economic engineering	40	IV / 8

¹² **L**= undergraduate university study programs: **M**= Master's degree programs.

¹³ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.

LABORATORY SHEET
Information Systems for Process and Project Management



Address / telephone: Râmneantu Petre street number 2 - 3rd floor, room A317 / 0256-404051

Responsible: Assoc. Prof. Eng. Mircea NEGRUȚ, Ph.D.

Administrator: Eng. Ion NEGRU

Main facilities:

Equipment type	Name of the equipment	Year of purchase	It is used for teaching activities	Used for research activities
(1)	(2)	(3)	(4)	(5)
Computing technique	1. Server – 1 piece 2. PC – 16 pieces	2007	x	x
Office equipment	1. Copier – 1 piece 2. Printer – 1 piece	2007	x	x
General purpose equipment	1. Furniture: computer tables – 17 pieces 2. Chairs – 20 pieces 3. Desk – 1 piece 4. Cabinets with shelves 1,4m – 10 pieces 5. Network switch – 1 piece	2007	x	x
Speciality equipment	1. Plotter – 1 piece 2. Smart board Hitachi – 1 piece 3. Video projector Hitachi – 1 piece	2007	x	x

DISCIPLINES SERVED BY THE LABORATORY

Item number	Discipline name	Study program ¹⁴	Number of students in 2017/2018	Year of study ¹⁵ / Semester
1	Information systems in management	L: Engineering and management / all specialisations	155	III / 6
2	Information systems in management	L: Public administration	30	III / 6
3	Computer-aided production management	L: Economic engineering in construction	26	IV / 8
4	Elaboration of the diploma project	L: Economic engineering in construction	26	IV / 8
5	Elaboration of the diploma project	L: Civil engineering (in Romanian, German, and English) L: Hydrotechnical constructions developments	55	IV / 8
6	Project management	M: Transport infrastructure	28	I M / 2

¹⁴ **L**= undergraduate university study programs: **M**= Master's degree programs.

¹⁵ For undergraduate programs, the semesters are numbered, as appropriate, with 1-8 or with 1-12. For master's programs, the semesters are numbered, as appropriate, with 1-4 or 1-2.