



DRIVE DEVELOPING RESEARCH

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# DRIVE DEVELOPING RESEARCH AND INNOVATION CAPACITIES IN ALBANIA AND KOSOVO

## **A roadmap for the research network & Calendar of Activities Polytechnic University of Tirana**

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*PUT Vision: The Polytechnic University of Tirana (PUT) is a qualitative Public Institution of Higher Education and a leader in its fields of expertise. It aims at perfecting and consolidating academic training and solving important research and scientific problems at the national and regional level.<sup>1</sup>*

## 1. Background

Polytechnic University of Tirana (PUT) is a qualitative Public Institution of Higher Education and a leader in its fields of expertise. It aims at perfecting and consolidating academic training and solving important research and scientific problems at the national and regional level.

The Polytechnic University of Tirana was founded in 1951 under the name Polytechnic Institute. In 1957 its entire structure was integrated into the Tirana State University. In 1991 the Polytechnic University of Tirana was re-established, separated from the University of Tirana by regrouping in its academic structure all faculties with engineering profile education, reorganized as a separate public university.

Polytechnic University of Tirana, in all main units and base units (departments), has records of partnership agreements with foreign higher education institutions through participation in scientific research project with foreign universities aiming the expansion of cooperation and improvement of scientific research results quality.

Polytechnic University of Tirana has national collaboration agreements with many partners such as institutions or faculties according to the respective agreements on study programs and scientific research for their improvement and adaptation with the needs of the labor market in Albania. Being part of many international projects Polytechnic University of Tirana, itself has a series of agreements with international counterpart institutions in accordance with the national and international format. PUT aim to intensify the collaboration in the region in the areas of research and innovation.

PUT disseminates wisdom, enhances knowledge, and promotes human values and a culture of dialogue and all-round justice for enhancing the quality of life by aiming to:

- Create, transmit, develop and defend knowledge through teaching, research and services as well as to train senior specialists and new scientists;
- Provide opportunities to benefit from higher education throughout life;
- Assist economic development at national and regional level;

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<sup>1</sup> Strategic Plan of Polytechnic University of Tirana 2019- 2024

- Contribute to raising the standards of democracy and civilization of society and to prepare young people for such a society.

Academic staff and students gain through scientific research, effective methodological skills for independent research, serving to their professional and sustainable development and their academic career. PUT designs / implements research programmes and projects in collaboration with other public or private institutions, at home and abroad. It provides services to third parties through research, development and creative activities.

## 2. A roadmap for the research and innovation network

In line with its vision and mission, the institution has designed and implements PUT Strategic Plan 2019- 2024, which states the aim and objectives of PUT at perfecting and consolidating academic training and solving important research and scientific problems at the national and regional level.

### 2.1 Partnerships and Memberships

PUT participates in university, scientific and academic cooperation networks and projects with universities in the EU and elsewhere, with the aim to contribute to broader and more specific collaboration. PUT provides opportunities for student professional development by enhancing collaborations with other industries and institutions, either through the engagement of external practicing experts in the auditorium or the development of specific internship programs, to facilitate as much as possible student integration into the labour market.

Membership in the following associations:

1	<b>BSUN</b> ( <i>Black sea Universities Network</i> )
2	<b>UNICA</b> ( <i>Universities from Capitals of Europe</i> )
3	<b>AUF</b> ( <i>Agence Universitaire de la Francophonie</i> )

4	<b>SEFI</b> ( <i>Société Européenn e de la Formation des Ingénieurs</i> )
5	<b>CUM</b> ( <i>Communauté des Universités de la Méditerranéen</i> )
6	<i>Magna Charta Universitatum 2020</i>
7	<b>CEEPUS</b> “ <b>Central European Exchange Program for University Studies</b> ”.
8	<b>RMEI</b> - The Mediterranean Network of Engineering Schools

## 2.2 Institutions and organizations collaborating with Polytechnic University of Tirana

<i>Partners from the labor market</i>	
4 A-M shpk	Gent Alba shpk
Albpetrol Sha	Land& co ltd
Alumil Albania	Geo-Consulting &Invent shpk
Autovision Iveco	Ikub Info
Dalvin shpk	Geotrim Ltd
Elektro metal P shpk	Geotech ltd
Everest	Arkonstudio shpk
Forschner	Air Albania
Hidrocentrali Ashta	Shoqata Proeksport Albania
KJL and CO	Ergys Bardhi PF/ Modern Engineering
Megatek SA	ABIESSE
Opel Noshi	IERA Academy
Acrem	A.L.T.E.A. Geostudio 2000
Atlas	Antea Cement
Albtek Energy	Atelier 4
Bankers Petroleum Albania LTD	Fabrika e cimentos, Elbasan, Fushe-Kruje

Deloitte Albania Shpk	Orion construction
Elektroinvest Shpk	Swiss contact
Shkalla Sh	Praktika.al
Hyundai Auto Albania	Nettrade Albania sh.p.k.
Kristeg Inox	Sews Cabind Albania Shpk
OST Njesia operative Fier	Teha Konstruksion
Alba Elettrica	Albesol shpk
Al-Ek Ascensori	Aluflor shpk
Auto Star Albania	Automatizime Industriale
Bota e saldimeve	Colacem Albania
Digitalb Sha	Ehw gmbh
Emante shpk	Ford Albania Motor Company
Fmt group	Gjeo Vjosa
Geco 2003 shpk	KESH sha Hec Vau i Dejes
Intracom Telecom Albania	Lufthansa Industry Solutions
Lani shpk	Milleniumi i ri
Miell Tirana	S2 Albania shpk
ProCredit bank Sha	TCN shpk
Swiss Approval Albania	We web shpk
Vibtis shpk	Vodafone Albania sha
Spitali Hygeia	Softics data Science shpk
Telecom Albania	Shoqata proeksport Albania
AADF	Colacem Albania shpk
Platform Akademia shpk	Laboratori Nord- Comat

### 2.3 Investments for capacity improvement

Polytechnic University of Tirana pays attention to continuously improve its institutional capacities focused on the strategic objectives as follows:

- Development of human resources, infrastructure and financial capacities in service of scientific research and put services.
- Increase the quantity and quality of research activities and services in support of the strategic planning priorities.
- Increase of scientific research contribution in qualitative improvement of academic opportunities in three study cycles.

- Consolidating the role of the Institute of Geosciences, Energy, Water and Environment as a key research unit of excellence in the relevant areas of expertise
- Evidence and distribution of basic and implemented scientific research outcomes developing in PUT
- Increase of the contribution of scientific research, creative activities and expertise in the related engineering fields in supplying income to PUT

### 3. Calendar of the implementation of research management at PUT

Ref	Label	Indicators	Duration	Responsible structure	Resources		Risks
					Human	Financial	
1	Detailed Budget for SR	Percentage of Budget for SR	Every Academic Year	Rectorate Main Units	Departments	6% first year with annual growth 1% To achieve 10%	Budget constrains
2	Periodic Studies of Market	Number of market studies	Every 2 years	Main Units, Career Office	Departments	625 000 Leks / yes	-
	Projects	Participation in Projects (No. of cooperation contracts)	2019-2023	Depart.	Departments	5 000 000 Leks first year with annual growth 20% to achieve 10 000 000 Leks/ year	Budget constrains
3	Doctoral Studies abroad	Number of Doctorate students according to Main Units	2019-2023	Depart.	Departments	6 250 000 Leks/year 1 student /NJK (6	Budget constrains

						months in a year)	
	Specialized Studies	Number of students of the Second cycle included in research projects	2019-2023	Depart.	Departments	2 500 000 Leks / year	Budget constrains
5	Quality of Publications	Number of Publications Conferences, symposiums and magazines	2019 – 2023	Depart.	Departments	2 000 000 Leks/year	Budget constrains / limited Scientific activity
	Participation in Conferences	Number of Conferences for MU	2019-2023	Depart.	Departments	15 000 000 Leks / year with annual growth 30% to achieve 50 000 000 Leks/y ear	Budget Constrains / limited scientific activity
6	Collaboration with analogues institutes	Number of Conferences financed by business	2019-2023	Rectorate, Deaneries	Departments	50 000 000 Leks/ year with Annual growth 10%	Budget Constrains



#### **4. References**

1. Statute of the Polytechnic University of Tirana
2. Polytechnic University of Tirana, Strategic Plan 2019-2024

