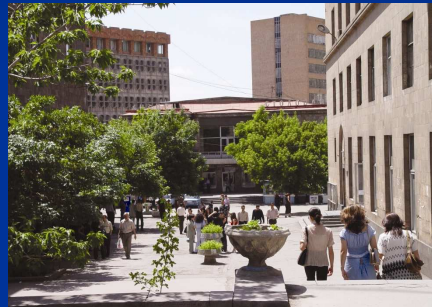
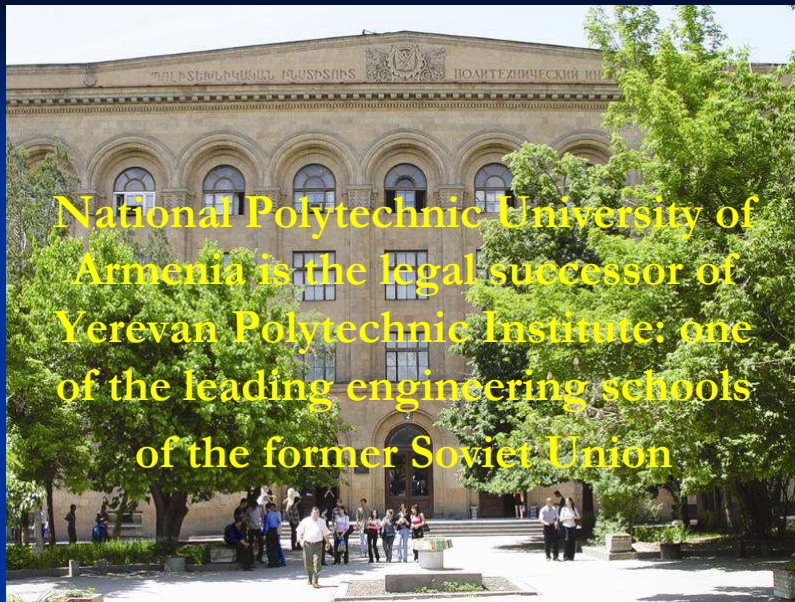


Welcome to National Polytechnic University of Armenia



Yerevan - December, 2016

National Polytechnic University of Armenia is the legal successor of Yerevan Polytechnic Institute: one of the leading engineering schools of the former Soviet Union



The Mission of the University is:

- to create and implement academic/research programs and services consonant with educational and technological needs of the national economy and society,
- to prepare students for life, career, life-long learning and professional progress in line with changing economic environment and emerging global information society,
- to create a supportive environment for the comprehensive personal and intellectual development of each individual, generation of law-abiding and responsible citizens.

The University at a glance - 1

Yerevan Polytechnic Institute (YPI) was founded in 1933 having only 2 departments and 107 students.

In 1980-1985 reached its peak with about 25000 students and more than 66 majors, becoming the largest higher education institution in Armenia.

On November 29, 1991, the Yerevan Polytechnic Institute was reorganized and renamed State Engineering University of Armenia (SEUA).

On November 13, 2014, the State Engineering University of Armenia was reorganized and renamed National Polytechnic University of Armenia (NPUA).

The University at a glance - 2

The Central Campus of the University is located in Yerevan and the 3 Branch Campuses - in Gyumri, Vanadzor and Kapan.

The University has affiliated high schools in Yerevan and Regional Campuses, aimed at recruiting future gifted students from schools.

4 study programs of vocational and higher education, conferring the qualification degrees of junior diploma specialist, bachelor, master and researcher (PhD).

The University also offers extended education courses by means of its faculties and a network of continuing education structures.

47 Bachelor's, 58 Master's and 34 Researcher's (PhD) programs in Engineering, Industrial Economics and Management, Applied Mathematics and Physics.

The University at a glance - 3

At present over 10 thousand students following 4 degree programs, more than 100 foreign students studying in English and Armenian language groups.

In addition, over 850 learners at the NPUA central and regional affiliated high schools.

The academic staff of the University exceeds 800, most of them with Doctoral Degrees.

With its developed research system and infrastructure the University is nationally recognized as the leading center in technical sciences and technologies.

The University at a glance - 4

The University has one of the leading roles in the reformations of the higher education system of Armenia:

- SEUA was the first HEI in RA that introduced two (in 1993) and then three (in 1995) levels of higher & post-higher education,
- implemented a credit system (in 2004) compatible with ECTS in harmony with the Bologna Process developments,
- introduced the institute of long-term strategic planning.

During the last decade, the University has developed an extended network of international cooperation including many leading EU universities and research centers; NPUA is full member of EUA.

International Activity of NPUA

The University is a member of:

**European Universities Association (EUA),
Black Sea Universities Network (BSUN),
Technical Universities Association of RF (ATY),
Network University of CIS countries (CY CHG), etc.**

was and is involved in:

many European and other international research and educational programs (TACIS, Tempus, Erasmus-Mundus, Erasmus+, DAAD, OSF, INTAS, USAID, NATO Science, FP, Horizon 2020 etc.).

NPUA has successfully implemented about 20 TEMPUS projects in the areas of university management, educational reforms, curricular renovation and strategic planning; at present: on-going 7 Tempus, 2 Erasmus Mundus, 4 Erasmus+ KA2, and 8 Erasmus+ KA1 projects.

NPUA Institutes and Faculties (Central Campus)

- Institute of Energy and Electrical Engineering
- Institute of Mechanics, Machine Building, Transportation Systems and Design

Faculties of:

- Chemical Technologies and Environmental Engineering
- Radio Engineering and Communication Systems
- Computer Systems and Informatics
- Applied Mathematics and Physics
- Cybernetics
- Mining and Metallurgy
- Correspondence Education
- Foreign Students



The main strengths of NPUA (Polytechnic)

- NPUA (former Yerevan Polytechnic Institute/SEUA) is the indisputable leader in technical education of RA
- During 83 years since its establishment NPUA has given more than 125,000 graduates
- The graduates have formed RA's
 - main engineering manpower
 - scientific technical community
 - industrial leadership



University-Industry Cooperation aimed at:



- Providing technology, software, and resources
- Supporting professors who prepare the workforce and conduct research
- Providing students with hands-on experience
- Enabling graduates to bring skills to the fast-paced world of high technologies
- Ensuring the workforce is fully prepared to meet the challenges of the future



Some University-Industry Cooperation Programs

NPUA-Synopsys: NPUA Inter-Faculty Chair of
Microelectronics Circuits and Systems

NPUA-National Instruments: “ANEL” Project
(Armenian National Engineering Laboratories at NPUA)

NPUA-Microsoft: Regional Innovation Center of
Microsoft and Microsoft IT Academy of NPUA

NPUA-Cisco Systems: Cisco Academy of NPUA

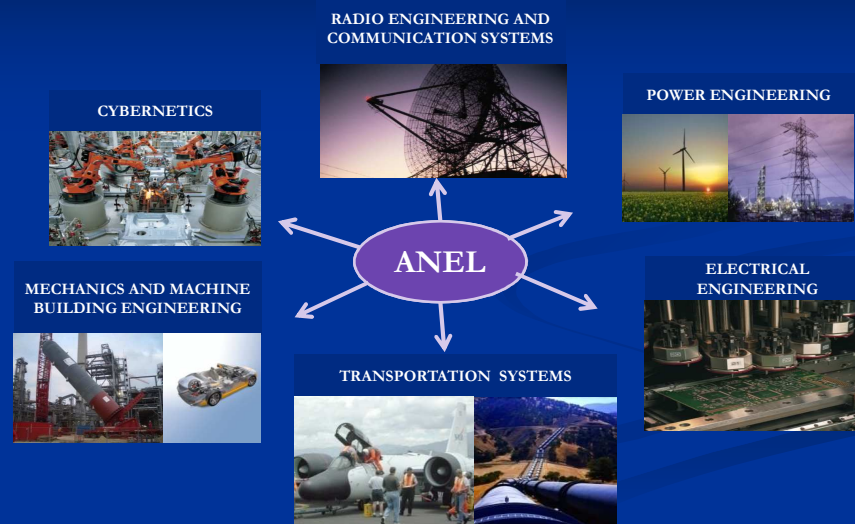
NPUA-Cronimet Mining: IT-Mining Laboratory in NPUA

NPUA-Impex High-Tech: Training courses of NPUA

NPUA-Nokia: Mobile Solutions Laboratories of NPUA

Innovation Center **ANEL** Armenian National Engineering Laboratories

About 30 specialized and universal educational and research laboratories covering 6 major professional fields taught at NPUA.

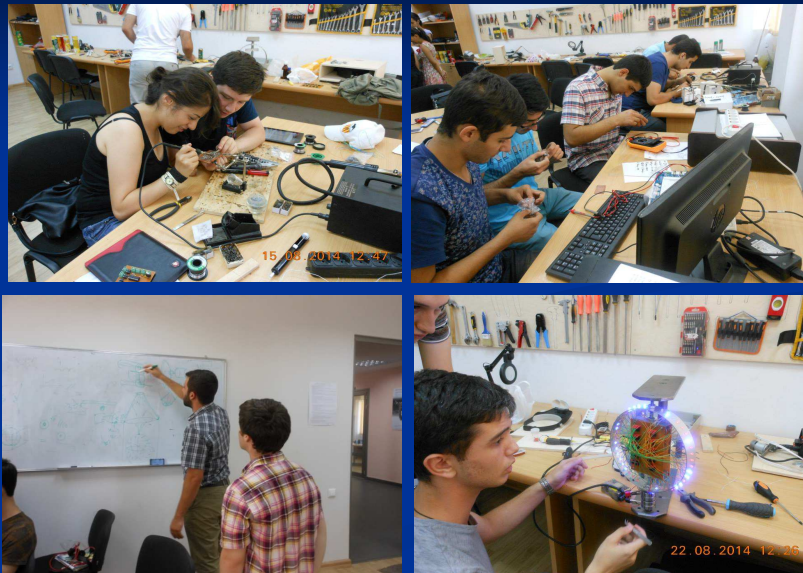


Some Educational and Research Laboratories of ANEL

In these labs students get to learn the fundamental engineering disciplines in an interactive way using modern learning methodologies such as hands-on learning and project-based learning.



Education, Research, Creation in Innovative Environment



Innovative Solutions the Result of Student Creativeness

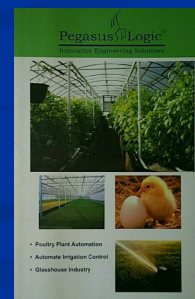


Innovative Students: “Digitech-2016” International EXPO





Some Successfully Established Start-ups



Methodological and Technological Basics of ANEL

INPUTS

- Equipment
- Engineering Lab general facilities
- Innovative technologies
- Engineering instruments (e.g. certification courses)

PROCESSES

- Educational process
- Scientific research
- Training/retraining
- Collaboration with local/international institutions
- Provision of certification courses
- Developing base for engineering solutions
- Recruitment of new/high quality student population and academic staff

OUTPUTS

- Qualified graduates
- Enhanced scientific research discoveries
- Increased human capital of NPUA teaching staff & NPUA domain knowledge
- Specific engineering solutions and services delivered to the industry
- Certified engineering trainees

From OUTCOME to IMPACTS

- Increased reputation of NPUA
- New engineering start-ups
- Pool of proficient engineering workforce
- Strong presence of engineering scientific research and commercial applications development
- Establishment of effective collaborative networks between NPUA and industry

IMPACTS

- Increased employment and sales in engineering and related fields
- Opportunities for engineering service exports
- Spread of new knowledge and technologies within other sectors of the economy
- Precedent and benchmark for upgrade of local education in other disciplines
- Moving from brain drain to brain circulation
- Emergence of knowledge-intensive clusters
- Opportunities for repositioning of the economy and diversification



Thank you for visiting Armenia
and the National Polytechnic
University of Armenia