

# PHENIKAA UNIVERSITY

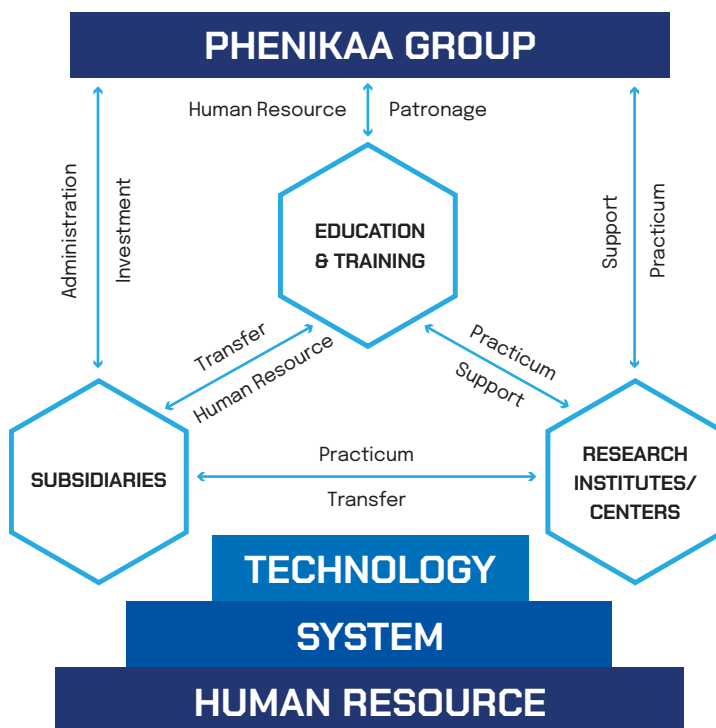


**“RESPECT - INNOVATION - CRITICAL THINKING”**

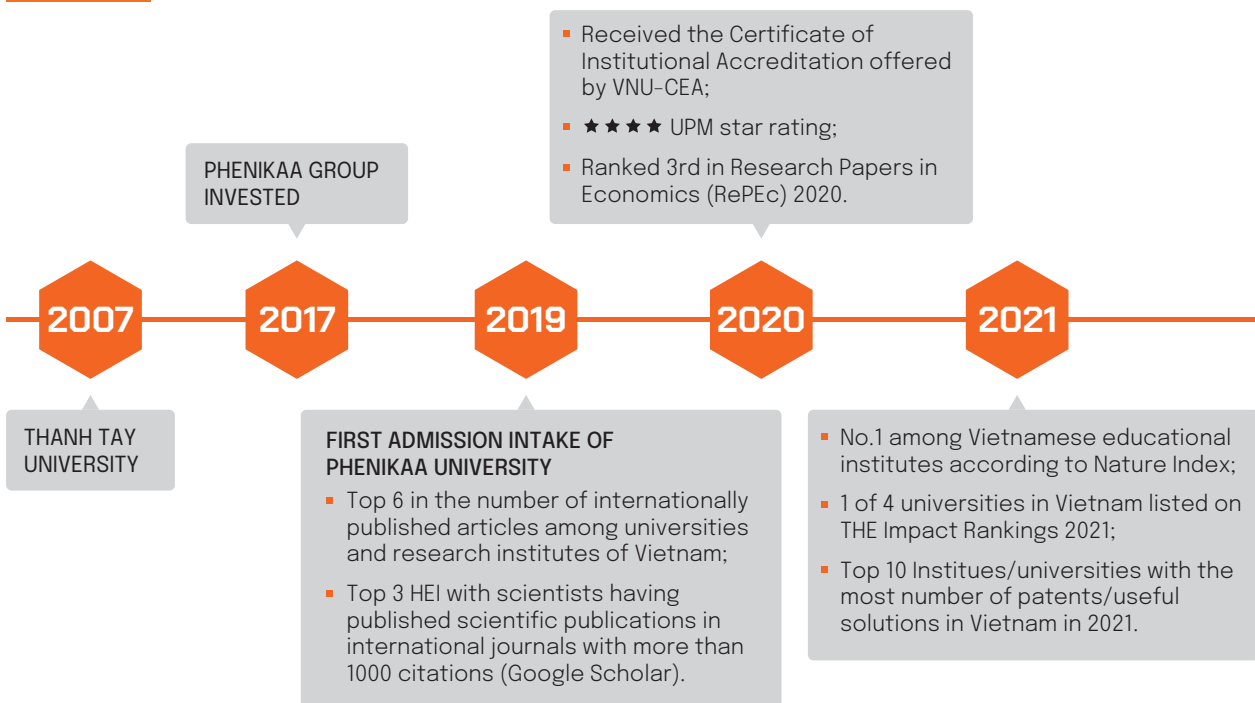
# INTRODUCTION

Phenikaa University is a member of Phenikaa Group, a multi-industry corporation based in Vietnam. Phenikaa Group is steadily realizing its ambition to be a leading Technology - Industry Group focusing on smart production platforms, technologies and materials. The growing sustainable ecosystem of Phenikaa Group is represented by the close linkage among three main pillars: Business - Scientific Research - Education and Training.

As one of three pillars of the ecosystem, Phenikaa University plays a decisive role by realizing the goals of training high quality human resources, improving the effectiveness of research and technology transfer, thereby contributing to the responsibility of the community development.



# MILESTONES



# VISION AND MISSION

## VISION

To become a multidisciplinary, innovation-oriented university that is excellent in education, research and career development; incubating talents and freedom of creativity; awakening and realizing one's potential; training and providing highly educated and skilled workforce for the society on the basis of scientific research, technological development and practice.

To be ranked among the Top 100 best universities in Asia by 2035.

## MISSION

Train and provide high-quality human resources on the basis of scientific research, technological development, and practice.

Facilitate an environment for both professional research and freedom of creativity for individuals to achieve breakthroughs in science, technology, and socio-economic development.

Impressive strides in technology and innovation

# OUR STRIDE AT TECHNOLOGY AND INNOVATION

## Innovation:

Phenikaa University aims to be a powerhouse of innovation, and is apparent by many in-house products and solutions, including the level-4 autonomous vehicle – which was the highest level of autonomous car in Vietnam at its launching; the Sterilization Robot using UVC bactericidal technology; Platinum alternative materials; the BayesVI software launched on CRAN, Natural light technology - Phenikaa Natural TrueCircadian, Manufacturing process of a mixture of active compounds from *Caesalpinia sappan* with anti-inflammatory properties to mention but a few.



## Technology transfer:

With the advantages of cutting-edge technology, Phenikaa University has established six Start-up and Spin-off companies to promote scientific research products with high practical application to be commercially available to the public for the betterment of society.



# ACADEMIC PROGRAMS

Phenikaa University currently offers academic programs in four training areas, namely Engineering and Technology; Health Sciences; Economics and Business; and Social Sciences.

<b>UNDERGRADUATE PROGRAMS</b>	<b>ENGINEERING &amp; TECHNOLOGY</b>	Advanced Materials and Nanotechnology Artificial Intelligence and Data Science Artificial Intelligence for Materials Automotive Engineering Automotive Mechatronics Engineering Biomedical Engineering Biotechnology Chemical Engineering Computer Science Control and Automation Engineering Electronics and Telecommunication Engineering Environmental Science Information Technology Information Technology Program Toward Japan IT Market Mechanical Engineering Mechatronics Engineering Physics Robotics and Artificial Intelligence Engineering
	<b>HEALTH SCIENCES</b>	Nursing Science Medical Doctor Medical Testing Techniques Pharmacy Rehabilitation Technology
	<b>ECONOMICS &amp; BUSINESS</b>	Accounting Business Administration Economic Law Finance - Banking Human Resource Management International Business
	<b>SOCIAL SCIENCES</b>	Chinese Language Digital Tourism Business English Language Hospitality Management International Tour Guiding Management Japanese Language Korean Language Tourism
<b>GRADUATE PROGRAMS</b>	<b>MASTER PROGRAMS</b>	Business Administration Chemical Engineering Computer Science Economics Management Materials Science Mechanical Systems Engineering Nursing Pharmacology and Clinical Pharmacy
	<b>PhD PROGRAMS</b>	Chemical Engineering Materials Science Mechanical Systems Engineering Theoretical and Mathematical Physics

(As the 2022 cohort)

# RESEARCH

## CORE RESEARCH AREAS:

Advanced Material Technology & Nanotechnology  
Biotechnology  
Chemical & Environmental Technology  
Computer Science  
Economics, Finance & Business Administration  
Electricity, Electronics & Automation  
Fundamental Sciences  
Information & Communications Technology  
International Linguistics  
Mechanics & Mechatronics  
Medical Sciences  
Automotive Engineering

## 11 KEY RESEARCH GROUPS

High Energy Physics & Cosmology  
Intelligent Communication Systems  
Medical Chemistry & Bioactive Compounds  
Nanocensors  
NanoMaterials for Biomedical & Environmental Applications  
Nanomaterials for Electronics & Renewable Energy  
Operations Research  
Optoelectronics & Photonics  
Social Science Data Analysis  
Renewable Energy Conversion & Storage Laboratory

## 13 POTENTIAL RESEARCH GROUPS

ALD Research Lab  
Application of Biomedical Science and Molecular Biology in Medicine  
Applied Fluid Mechanics  
Applied Material Science Lab  
Environmental Chemistry & Ecological Toxicology  
Drug Design & Synthesis  
Mechanics Of Materials/Structures & Applications  
Nano Biomedical Research & Development  
Phenikaa Artificial Intelligence Lab  
Quantum Material Lab  
Smart Lighting & IOT  
Smart Sensing & Applications  
Sustainable Energy for Automobile

## RESEARCH ACHIVEMENTS

- Top 10 Institutes/universities with the most number of patents/useful solutions in Vietnam in 2021
- 37 Research projects and proposals from Ministerial levels
- 20 Key scientific research projects invested by Phenikaa University and Phenikaa Group
- Ranked 3<sup>rd</sup> in the ranking of economics research institutes in Vietnam (RePEc.org)
- Ranked 1<sup>st</sup> in all Vietnam's institutions in the Nature Index rankings in the 12-month period between 01 March 2021 and 28 February 2022

## ACADEMIC AWARDS

- 01** Scientist in Top 100.000 leading scientists in the world
- 01** Scientist received Golden Globe Award 2021
- 02** Scientists in the list of the world's top 100,000 most-cited researchers
- 02** Scientists received Global Peer Review Awards in 2019
- 03** Scientists received Ta Quang Buu Award



# CONNECT WITH US

## FACULTIES AND GRADUATE SCHOOLS

Faculty of Biotechnology, Chemistry and Environmental Engineering	bcee@phenikaa-uni.edu.vn
Faculty of Business and Economics	fbe@phenikaa-uni.edu.vn
Faculty of Chinese Language	fcl@phenikaa-uni.edu.vn
Faculty of Computer Science	cs@phenikaa-uni.edu.vn
Faculty of Electrical and Electronic Engineering	eee@phenikaa-uni.edu.vn
Faculty of English	fl@phenikaa-uni.edu.vn
Faculty of Fundamental Sciences	fs@phenikaa-uni.edu.vn
Faculty of Japanese Language	fjl@phenikaa-uni.edu.vn
Faculty of Korean Language	fkl@phenikaa-uni.edu.vn
Faculty of Materials Science and Engineering	mse@phenikaa-uni.edu.vn
Faculty of Mechanical Engineering and Mechatronics	mem@phenikaa-uni.edu.vn
Faculty of Medical Technology	mt@phenikaa-uni.edu.vn
Faculty of Medicine	fmed@phenikaa-uni.edu.vn
Faculty of Nursing	fn@phenikaa-uni.edu.vn
Faculty of Pharmacy	fp@phenikaa-uni.edu.vn
Faculty of Tourism Studies	fts@phenikaa-uni.edu.vn
Faculty of Vehicle and Energy Engineering	vee@phenikaa-uni.edu.vn
Graduate School	graduate@phenikaa-uni.edu.vn
School of International Education	sie@phenikaa-uni.edu.vn

## RESEARCH INSTITUTES AND CENTERS

Phenikaa University Nano Institute (PHENA)	phena@phenikaa-uni.edu.vn
Phenikaa Institute for Advanced Study (PIAS)	office@pias.edu.vn
Center for Interdisciplinary Social Research (ISR)	isr@phenikaa-uni.edu.vn
Bioresource Research Center	brc@phenikaa-uni.edu.vn

Scan QR code  
to go on virtual Campus tour:



Scan QR code  
to access the University website:



# ON-GOING PROJECTS

The University's Hospital and Clinic are constructed with the investment of nearly 87mil USD on infrastructure, adopting the model of Hospital Without Walls which contains three driving forces, including smart hospital, satellite clinic system, and home health care teams connected by telehealth.



Phenikaa's Clinic on the campus of the University following the model of a day hospital, combined with a simulation hospital and the Center of Training and Technology Transfer



Phenikaa University's 500-bed hospital on Trinh Van Bo Street, Nam Tu Liem District, Hanoi

# EXTERNAL ENGAGEMENT

Phenikaa University has a long-term strategy to develop collaborative relationships based on mutual trust with national and international partners through cooperative activities such as joint research, technology transfer, international projects and conferences, international joint training programs, satellite offices, and student & staff exchange.

>100 Academic and Research partners

>150 Industry Partners



## 05 International and National Networks



# FACTS AND FIGURES

**140,000m<sup>2</sup>** Campus

**4000m<sup>2</sup>** Sport Complex

**~10,000** Students

**~600** Staff members

**~60%** of Academic Staff are PhD holders

**~20%** of Academic Staff are Professors and Associate Professors

**58** academic programs (undergraduate, graduate programs, and international joint programs)

**17** faculties

**95%** job placement



**04** Research Institutes and Centers

**~100** Advanced laboratories

**>200** Multimedia classroom and lecture halls



## PHENIKAA UNIVERSITY

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🌐 facebook.com/daihocphenikaa

## EXTERNAL ENGAGEMENT OFFICE

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