

# Strategy

2021-2030



Vilnius Gediminas Technical University (VILNIUS TECH) is a prestigious European Technical University. It is a remarkable institution which is important for the development and progress of the Lithuanian state. It is attractive to both Lithuanian and international students, teachers, and scientists. The abbreviation for Vilnius Gediminas Technical University is VILNIUS TECH. It expresses the experience in engineering and technologies. It also outlines the intensive application of technologies in the University life, the ever-growing need for technology and its transforming and empowering importance in science, business, everyday life of man and society. It is technology that is becoming a crucial creative tool in the world of tomorrow which aids in facing the challenges and going beyond any boundaries or borders.



Rector of Vilnius Gediminas Technical University  
prof. dr. Romualdas Kliukas



The world is changing rapidly, and so are we. The need for change in the university is driven by the prevailing trends in Europe and around the world: rapid technological development and digital transformation, the green course, the industrial revolution. The global challenges - climate change, economic instability, and pandemics - not only pose a threat. They also create a unique opportunity to find the most advanced technological solutions, react quickly and efficiently, and think about the long-term perspective.

**The strengths of VILNIUS TECH enable it to face challenges and changes that benefit the University in reaching the new moonshots. The University takes responsibility for developing new solutions to current global challenges.**

**The key strengths of VILNIUS TECH  
that help to achieve the change:**

→ The ability to anticipate and respond quickly to new challenges, societal and business needs.

→ A strong academic community focused on applied engineering and technology-based studies.

→ Unique, strategically important studies for Lithuania and the world.

→ Motivated, energetic, and creative students.

→ Cooperation with rapidly growing innovative businesses and young technological companies in Lithuania.

→ Strong connection with the city of Vilnius as the main venue for testing our experiments and brand-new smart solutions.

→ Developed international connections and efficient networking.

→ Strong research centers, institutes and laboratories of applied sciences, modern research, and study infrastructure.

→ Close links with schools in Lithuania, development of the VILNIUS TECH classroom network and other STEAM activities including natural sciences, technology, engineering, and mathematics.

→ Business confidence in the university and its graduates.

→ The ability to identify and focus short-term and long-term trends in the formation of the study program portfolio and scientific research spectrum.

The year 2021 marks the beginning of a new phase of VILNIUS TECH development. Improving the quality of studies and research, efficient solutions for partners and a positive impact on society are the aspirations that VILNIUS TECH strives for. This 2021–2030 strategy presents VILNIUS TECH vision of future.

We are confident that every change is possible only by virtue of people. The community is the basis of the University. The community is the people who, albeit of different views, ages, and education, work together to make VILNIUS TECH an open, growing, future-oriented ecosystem, which connects science, business, and global society.

**The time has come to embark on a new journey of exploration and discovery. I invite you to join this journey and reach the moonshots together.**

Rector of Vilnius Gediminas Technical University  
prof. dr. Romualdas Kliukas



VILNIUS TECH

# Creating for tomorrow

VILNIUS TECH inspires and nurtures the talent - civic, responsible, creative, and competitive personalities, able to alter and change the environment, mobilize a vast university community, work for the advancement of society economy, culture, social welfare, and technology.

The University **vision** for 2030: VILNIUS TECH is a prestigious and international European technical

University, distinguished by the quality of studies and research, its significant impact on the individual, the community and society.

While implementing the mission of the University and pursuing its vision, we are guided by the values that are encoded in VILNIUS TECH DNA and are unveiled through the university activities.

The values nurtured in the VILNIUS TECH community and passed on to our partners include:

—————> **Sustainability**

For us, this is a sustainable approach to natural resources and environment, laying the foundations for long-term economic prosperity and building a future-oriented, cohesive society. It is a comprehensive raising of the needs of the environment and society against one's own, an assessment of one's actions not only from the perspective of today but also of the future.

—————> **Connection**

We define this as the synergy between different technologies, disciplines, societal groups and solutions, a constant desire to work together and find common ground, promote full involvement, and create a diverse and multicultural environment.

—————> **Creativity**

We have the courage to experiment, apply non-standard thinking, look for new unique opportunities in any

situation, create solutions to overcome the challenges of the present and the future. VILNIUS TECH promotes the culture of technical makers who create for tomorrow.

—————> **Openess**

We are the university without borders, where cooperation and networking with partners around the world, transparency of activities, acceptance of each person's individuality and uniqueness, opportunity to express one's ideas and be heard by others are important. We are open to the world and new experiences.

—————> **Innovativeness**

We are constantly looking for more advanced technological solutions that will contribute to the world by creating added value in new or rapidly changing environment.



**We will implement the vision of VILNIUS TECH while in pursuit for the following MOONSHOTS:**

- **Each learner constructs own learning experience**
- **Each partner receives a knowledge-based smart solution**
- **Each alumnus creates value for the society**
- **International center of attraction for talent, business society**

## VILNIUS TECH community



We are a driving force behind this strategy, strong only by working together. VILNIUS TECH community brings together all those who study and work at the University: students, lecturers, researchers, non-academic staff and all people, companies and organizations that contribute to the well-being of the university (alumni, social and business partners).

We strive daily to be a strong, healthy, focused, and trusted community the members of which are proud to

be a part of this community and feel the ones who drive the university development process. We implement the strategy by respecting and nurturing:

**Co-creation**, which we understand as the creation of common value in a creative collaborative process that brings together the knowledge, skills, and experience of the community members.

**Health and Well-being**, which means creating a harmonious, sustainable, and healthy working environment, the concern for every member of the community.

**Freedom to be Yourself** – which means the promotion of diversity, self-expression, and equal opportunities.

**Culture of Dialogue** – which we understand as freedom to share ideas, show respect, empathy, hear what others say, look for agreement and the search for common solutions.

The combined efforts of our community are the essential condition for the implementation of the MOONSHOTS defined in the University Strategy 2021-2030. Only together can we ensure a high-quality, effective, and positive impact on every member of the community and the society.



# Community

Me

Values

Moonshots

Impact

Creativity — Innovativeness

Sustainability — Connection — Openness

Each learner constructs own learning experience

Each partner receives a knowledge-based smart solution

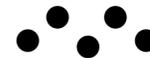
Each alumnus creates value for the society

International center of attraction for talent, business, society

Individual

Community

Society



A woman with long brown hair and glasses is sitting at a desk in a technical laboratory. She is wearing a light blue long-sleeved shirt and is looking at a computer monitor. Her hands are on a keyboard. The desk is cluttered with various electronic components, including a breadboard and several colorful jumper wires. In the background, there is a metal frame structure, possibly part of a lab setup, and a large black speaker is visible. The overall scene is brightly lit, suggesting a modern educational or research environment.

# Moonshot: Each learner constructs own learning experience

Our student is every learner who has chosen VILNIUS TECH as a place to acquire knowledge. We create conditions for them to become creative leaders with critical thinking skills, problem-solving and change managing professionals, responsible, open, and ready to pursue lifelong learning individuals. VILNIUS TECH views the study process as a phase of the learner's experience, in which the University provides comprehensive assistance.

**VILNIUS TECH is a place for discovering talent, where each person can show their strengths and develop them.**

Students enjoy the opportunity to build their experience by participating in the pursuit for career-oriented study content, research that meets business needs, and partnership-based internships. In this know-how journey, teachers become guides and advisers to help students learn about their strengths and nurture them.

The study programs are designed for tomorrow, they respond to the University innovative position and potential for change.

Course units, which develop transferable competencies, go in line with the main special competencies. Particular attention is paid to the development of the concept of **sustainable society** and digital, communicative, business, and leadership competencies. We pledge to ensure that students are prepared to not only manage their learning experiences, but also to learn regularly and create.

We are looking for innovative ways to organize the studies, provide students with science-based knowledge, solution-based practice, and the opportunity to create. We consider students' "failures" as a positive learning experience that creates conditions for reflection and improvement.

**VILNIUS TECH studies are student-centered and based on the principle of cooperation, where everyone becomes responsible for their own achievements and success.**



Learners are accompanied on their study trip, and the university helps anticipate potential dangers and provides support. The University faculty and researchers are regularly encouraged to become the initiators and creators of innovation.

We are socially responsible and open to the public. We are opening new avenues for those who want to join the VILNIUS TECH community. We increase the accessibility of studies by expanding the variety of study forms, pay attention to the reduction of social and cultural exclusion, and expand the opportunities to return to studies.

The University is keen to develop the technological and creativity gene, so the application of innovations in the study trip is one of the most important tasks. Each student is given an individual focus in the learning process. The University physical and virtual learning environment is tailored for self-directed learning and individual needs and connects members of the University community anywhere in the world. VILNIUS TECH pursues to wisely integrate the latest technological solutions into the study process and solve real-life problems.

Each learner is given the opportunity to gain **international** experience. We develop studies in English and initiate new flexible forms of study by combining physical mobility with virtual activities, bringing learners into international

teams, and encouraging communication and collaboration between students with different cultural backgrounds. Each learner constructs own teaching experience with reference to the university-without-borders principle.

Decisions to improve the quality of studies are based on the principles of sustainability, synergy between the social and technological sciences, and feedback from students, teachers, and employers. Networking between VILNIUS TECH students and alumni is being developed, their cooperation in developing innovative projects, conducting research, managing internship, and volunteering is encouraged.

- Students are empowered **to build** their experience at the university by participating in the search for career-oriented content.
- Study programs are designed for **tomorrow** and are based on the provisions of the learning paradigm.
- In addition to the main special competencies, course units **integrate** transferable competencies.
- **Innovative** study methods and organization forms are applied, the accessibility of studies is increased by expanding **the scope** of study forms.
- Physical and virtual learning environment is adapted to self-directed learning, self-assessment, and **individual** needs.
- Each learner is given the opportunity to gain **international** experience.
- The quality of studies is improved in line with the principles of **sustainability** and with reference to the feedback from employers, students, teachers, and data monitoring.

# **Moonshot: Each partner receives a knowledge-based smart solution**

Only solutions based on science, innovation and sustainable technologies can ensure competitive advantage and the well-being of society, so in the pursuit of the continuous advancement it is urgent to promote experimental development and global fundamental and applied research, apply the results achieved. VILNIUS TECH unites ambitious scientists, fosters technical creation and the arts, and uses advanced technologies to solve challenges relevant to the society.





VILNIUS TECH research and experimental development (R&D) are carried out in priority cross-cutting areas. This allows for a multifaceted approach to emerging challenges, for adding value from interdisciplinary activities, and for increasing the potential of science and its impact on the society.

The University is **creating for tomorrow**, with a system that contributes to the development of breakthrough areas based on the **vision** and data **for the future**, aimed at identifying future issues and research trends, anticipating breakthroughs, and empowering science and technology visionaries.

VILNIUS TECH carries out proactive dissemination of created and accumulated knowledge. What is happening in the labs today, the next day is analyzed in classrooms and applied in real life. This fosters close integration of science and studies, transfer of R&D results and knowledge to partners, application of solutions for the needs of the society.

An inclusive science and **innovation ecosystem** is in place for the smooth and efficient R&D activities of tomorrow. It provides a modern and constantly evolving infrastructure, a motivating and creativity promoting environment, and a system for supporting the application and commercialization of outcomes.

The University is promoting the spread of **technogene** and the universal development of **science culture**, by sponsoring technology and encouraging involvement in the scientific community. The dissemination of scientific and technological knowledge at different levels allows for the modernization of the country and the society, the abundance of young talent and the growth of scientific potential.

In a vibrant, active community, scientific discussion is of great importance. It is the powerful engine of scientific thought. In the discussion, respect for a different opinion, idea and arguments is fostered, conditions are created for the openness of the community, and freedom to create is encouraged.

At VILNIUS TECH, leadership that stands out within sustainable R&D is promoted and empowered. It facilitates the education of science and technology ambassadors who are active in their community and around the world. Their example, existing competencies and initiative allow not only to increase the popularity of science and technology in the society, but also to accumulate existing talents and develop the new ones, enable their bond and the potential of science and technology more effectively.

Empowerment of the University community, bringing together the representatives of different fields of science

and studies, fostering the unique identity of VILNIUS TECH are the essential preconditions for the development of science. At the University, we are regularly strengthening high-level scientific competencies, mobilizing groups of researchers, and allocating more funds to the areas of consolidation.

VILNIUS TECH promotes the involvement of pupils, students and doctoral students into scientific research activities, technical creativity, and experimental development. The university shapes new platforms for creativity and cooperation.

- R&D is carried out in priority **cross-cutting** focus areas.
- There is a breakthrough area initiation system based on empirical data and a **vision for the future**.
- There is a **modern** and proactive dissemination of created and accumulated knowledge.
- There is an **inclusive** science and innovation ecosystem that fosters the creation, transfer, and dissemination of knowledge.
- Dissemination of **technogene** and comprehensive education of science culture is underway.
- Leadership in **sustainable** R&D activities is fostered and valued.

# **Moonshot: Each alumnus creates value for the society**



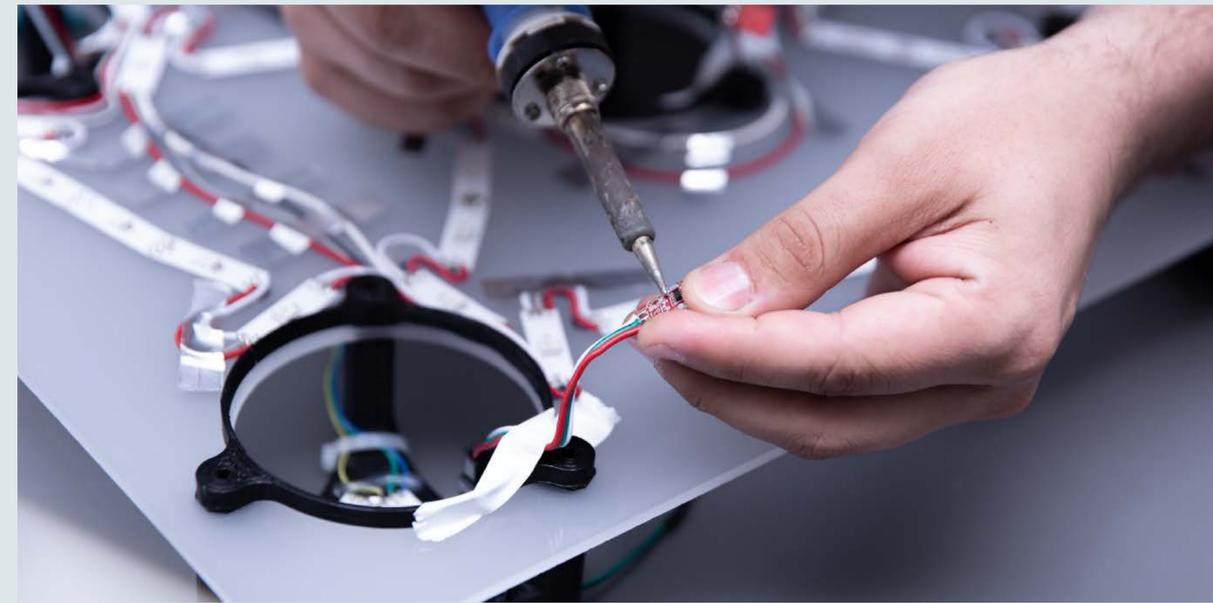
We develop socially responsible, internationally competitive, and constantly improving personalities who create value for the society through their professional activities. We encourage and support the professional activity of the alumni, we create conditions for them to share their experience.

From the moment they graduate until they become leaders in their field, every alumnus can receive university support for professional development, access to the latest research and update their knowledge. VILNIUS TECH alumni share their formula for success with students and are an inspiring example for them. We encourage alumni to participate in the study content development and quality improvement activities, the initiatives that promote student development.

We aim to maintain contact with a wide network of alumni, encourage them to get involved in the life of VILNIUS TECH and observe, participate, support, and initiate new activities, events, and projects.

The businesses and public initiatives developed by alumni are innovative and based on scientific results. The University community networking helps alumni find the latest knowledge, research solutions and partners by doing research relevant to society and business, and in creating high added value for the society.

Alumni are the face of the university in the society, therefore, already on their way to professional moonshots we provide future graduates with the knowledge and competencies to successfully enter the international labour market and create new jobs. We aim for learning to become a never-ending life journey, in which VILNIUS TECH



turns into a place to return and make new connections, acquire knowledge, experience and skills.

- VILNIUS TECH graduate is a person who is accompanied by professional success, who is educated and socially responsible and who pursues lifelong learning for personal development.
- The graduates are **competitive** in the marketplace, they enjoy modern, future-oriented knowledge and skills.
- A system for the exchange of knowledge and experience of graduates is being developed.
- Graduates are involved into the life of the VILNIUS TECH **community**.
- The businesses and public initiatives developed by alumni are **innovative**.
- Communication with alumni is established through regular **networking**.
- Alumni are the **face** of the university in the **society**.

# Moonshot: International center of attraction for talent, business, society



VILNIUS TECH is a unique center of knowledge and competencies which is competitive and recognised both in Lithuania and internationally. The University operational priorities are in line with the University distinctive identity which has been developed over the years, the University potential in technical sciences and global trends.

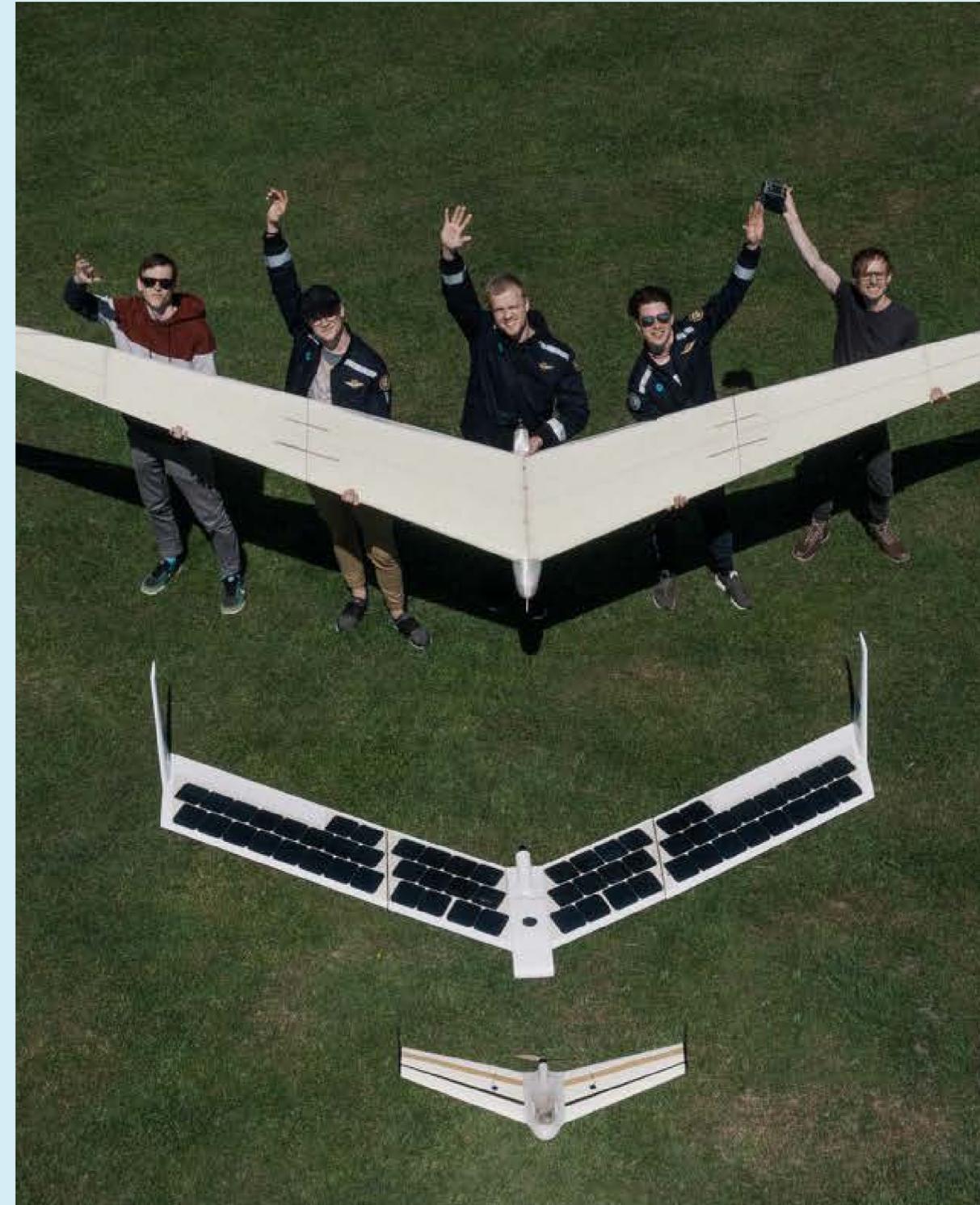
The **digital transformation** of the society, sustainable development, security and crisis resilience, climate change, European and national smart specializations are the focus of our solutions and the field of expertise and leadership.

VILNIUS TECH operates as a flexible, efficient, empowering and future-oriented ecosystem, which **brings together** science, business, the state, and the **global** society. The university is an environment that encourages **talent** to grow at maximum speed, innovative businesses to emerge, ideas to change the world and solutions to meet both current and future societal challenges.

Continuous progress is ensured not only by mobilizing internal resources, but also by strategically expanding the network of academic and business partners. The University is open and **global**, bringing together current and former students, researchers, and partners.

The environment of VILNIUS TECH campus connects virtual, mobile, and physical university spaces and promotes closer connection with the **community** of the city. The leadership of the technical University in developing innovative solutions is maintained. In line with the potential of VILNIUS TECH, targeted development is carried out in the regions where there is a need for technical studies and research.

Coordinated and strategically planned targeted activities create conditions for improving the position of the uni-



iversity in international rankings. VILNIUS TECH is visible, recognizable, and valued in the international space.

**Partnership** and networking are a key principle in the university activities. It brings together science, business, the state, and the society. Cooperation with **advanced** Lithuanian and foreign businesses contributes to strengthening Lithuania as an international centre of talent attraction and a hub with a high value-added economy. A partnership with the city of Vilnius in creating an innovation and talent attraction center in Europe is being promoted.

VILNIUS TECH acts as a space for finding, attracting, and promoting talent, a venue where the development and realization of individuals is facilitated. The achievements and diversity of competencies of all members of the community are valued. The goal is for talent to attract talent. Special attention is paid to attracting **”super talents”** to the strategic directions of VILNIUS TECH.

The connections between community members are strengthened, the acquisition of international experience, the activities of **interdisciplinary** groups, **experimenting**, technical design, entrepreneurship, mentoring, and self-expression are encouraged.

The University is creating a new, fast-changing, and **smart** society in which digital and other modern technologies

are focused on **sustainability**. Responsible reasoning of the VILNIUS TECH community and society is developed and a neutral impact on the environment is pursued.

**VILNIUS TECH is a smart University for a smart person, a smart city, a smart society.**

- We are an **open international center** of attraction which has been established to deal with the challenges of modern society.
- We operate as an **ecosystem** that effectively **connects** the university, the state, business, and society.
- Partnership is a key principle and a way of operating the university.
- We recognize and nurture **talent** in our community, we bring in new talent from around the world.
- We build a new generation of **smart** and **sustainable** society.

In a rapidly changing society, the University is a leader in change and an ambassador for innovation. It is open to the world and to change. It is a center for innovation and technology to meet the challenges of the future.

By implementing the VILNIUS TECH 2021–2030 strategy and pursuing the moonshots, we implement the best practices of European universities, follow the principles of rational management, strategic planning, sustainable

funding, and efficient infrastructure, develop quality management, human resources management and information transfer systems that create the well-being for the community.

The foundation of our success is the mobilization of motivated and competent members of the community for progress and confidence in common goals.

# Let's create the future together

