



**LONG-TERM PLAN FOR THE  
DEVELOPMENT OF THE  
FACULTY OF MECHANICAL  
ENGINEERING  
UNIVERSITY OF ZILINA**

**FOR THE TERM 2021-2027**



This long-term plan was approved by the Academic Senate of the Faculty of  
Mechanical Engineering of the University of Zilina on April 13, 2021



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**PREAMBLE** The long-term plan for educational, scientific-research and other creative activities of the Faculty of Mechanical Engineering of the University of Zilina is the basic strategic document for the development of the faculty for the period from 2021, prepared in accordance with § 2 (10) of Act No. 131/2002 of 21 February 2002 on Higher Education Institutions and on Amendments to Certain Acts, as amended. Declares the faculty's own identity, formulates its mission, vision and identifies its strategic objectives, the tools to achieve them and the indicators for achieving the strategic objectives. The long-term intention of the SJF is based on the long-term intention of the University of Zilina.

**Mission of the Faculty** The Faculty of Mechanical Engineering of the University of Zilina is an educational institution in order to provide and develop higher education and research in the field of Mechanical Engineering, reflecting the needs of society in synergy with the latest trends of scientific knowledge integrating the ideas of Industry 4.0.

**Strategic intent** The strategic plan is based on the idea of shaping an educational and scientific research institution with a European dimension. This idea consists in the continuous improvement of the level of research as a prerequisite for the attractiveness of higher education and international recognition. It is closely linked to the use of traditions, intellectual potential and links to external workplaces of the same focus in order to ensure the quality of graduates and the satisfaction of employers.

**Vision** Achieving recognition by the scientific and industrial community, in particular in the field of intelligent engineering. Be perceived as a research faculty with respect and a guarantee of quality

**Priorities** Faculty priorities are based on the idea of digital engineering based on environmentally attractive materials, constructions and innovative technologies of the 21st century. The main directions based on the synergy of tradition, present and future visions will be oriented towards research and development of ecosystems for intelligent production



and transport 21st century resources as well as digitized engineering technologies and smart materials. The need for effective transfer of advanced technologies and knowledge between the faculty and industry will continue to dominate. It will be important to set up an effective structure of study programmes so that the graduate's personality is shaped on the basis of intellect, knowledge, character and morality. The aim is to raise individuality with a critical and above all original approach to solving technical problems, capable of communicating at a high level in a team of experts.

The basic means to meet the strategic objective is the implementation of a comprehensive quality system and optimization of the main processes, support activities and support systems of the Faculty.

## **GENERAL Introduction**

The Faculty of Mechanical Engineering is an important part of the University of Žilina. It is an important pillar on which the foundations for the profiling of thousands of engineers focused on the construction of machinery and equipment, means of transport, engineering technologies and materials, as well as other areas related to automation, energy or industrial engineering were built. Based on its scientific-research activities and professional cooperation with domestic and foreign industrial practice, the Faculty provides university technical education for all levels, reflecting the latest knowledge in science and technology.

Doctoral studies are supported for a long time, especially the involvement of doctoral students in scientific research and project activities. The faculty has a high success rate in doctoral studies despite increased competition from the external environment. Recently, while respecting the highest professional and moral standards, transparency, conducting research critically and without prejudice and in absolute integrity, the publication activity has improved. A high standard of project and grant acquisition, industrial research and development tasks as well as the organisation of professional and scientific events is maintained on a permanent basis.

Currently, the faculty has 27 accredited first, second and third cycle study programmes. The years 2021 and 2022 will be characterized by the rationalization of the study in terms of the offered study programmes.



For the next period, the Faculty intends to align its Internal Quality Assurance System of Higher Education with the standards of the SAAVŠ for the internal system, change the structure of current study programmes and optimize study programmes for the first, second and third level of higher education in such a way that they correspond to the scientific-research and pedagogical profile of the Faculty and at the same time respond flexibly to the development trends of the engineering and automotive industry.

Current developments on the labour market in the Slovak Republic, neighbouring countries and other European Union countries allow graduates of the Faculty of Mechanical Engineering of the University of Zilina to obtain advantageous jobs in many spheres of society with both traditional and new employers without any problems. Therefore, we continue to want to develop creativity, logical thinking, analytical and critical thinking, perception of context, obtaining and interpreting information, the ability to understand, use and reflect on the text read.

In the organizational structure of the faculty, ten departments and other research workplaces were gradually created. There are 92 university teachers in the departments, of which 24 are professors, 28 are associate professors, 40 assistant professors, 45 scientific researchers, 86 doctoral students of which 64 in daily form. Along with other staff, the faculty has 171 employees.

The long-term plan of the Faculty of Mechanical Engineering of the University of Zilina for the period 2021-2027 follows the long-term plan of the Faculty for the period 2014-2020 and the long-term plan of the University for the next period.

## **Profiling and routing**

The basic task for the next period will be the introduction of the so-called open science policy in connection with the faculty profiling pillars, which are:

- research and development on ecosystems for smart manufacturing and 21st century transport;
- digital engineering technologies, progressive design solutions and modern materials of the future.

The direction of individual pillars integrates the specific activities of individual faculty departments into two complex units with a synergistic effect of strengthening multidisciplinary and efficiency.



The first pillar integrates areas of research from intelligent production systems based on robotics, artificial intelligence principles, mechanics of bound structures, mathematical modelling and simulations to the design of enterprises of the future based on the virtual reality of digital twins. This includes broader research and design of 21st century transport and energy equipment components to increase their utility value, operational safety, low-carbon footprint reduction and related efficient energy solutions.

The second pillar integrates traditional engineering technologies and new technologies based on the principles of additive manufacturing, laser and other progressive applications, resulting in a synergistic effect of increasing quality and production. In parallel with the technologies, the research will focus on progressive design solutions and modifications of existing materials, modern methods of experimentation and simulation of properties of new advanced materials, such as biomaterials, composites and so-called renewable materials with an emphasis on their sustainability.

The strategic direction for the coming years is a response to the changes that have occurred in society and in the higher education environment in Slovakia and Europe, as well as to the changes in the internal environment of the University of Zilina, which are determined by its size, character and mission.

The primary factor in defining strategic objectives for the main areas of SJF activity is the effort to ensure the maximum quality of relevant processes, aimed at educating quality graduates with excellent application on the labour market both in Slovakia and abroad.

This idea consists in the continuous improvement of the level of research as a prerequisite for the attractiveness of higher education and international recognition.







2021 – 2027

# **Strategic objectives in the field of education**



### Strategic objectives in the field of education

The basic task of higher education is to increase the level of knowledge of graduates based on the principles of innovation and specification of the offer of study programmes in synergy with the needs of society. This is related to the attractiveness and creation of an appropriate structure of the offered degree programmes, based on the assumption of specialization, especially in higher levels of study and within individual degree programmes. The offer of study in bachelor's degree programmes will gradually match the demand from practice. Engineering degree programmes will be open to all applicants who meet the more demanding conditions imposed on this type of study. Doctoral studies integrate the main directions of the Faculty's development into study programmes reflecting the professional specialization of trainers. The aim will be to create and provide attractive and practical study programmes related to the study programme Mechanical Engineering.

The Faculty of Mechanical Engineering will provide education to highly qualified teachers who are active in science and research or other creative engineering activities, thereby enhancing primary responsibility for the quality of the education provided at all levels of study.

Attention will be paid in particular to:

- alignment of the internal quality system of the SJF with the standards of the Slovak Accreditation Agency for Higher Education and its implementation into the processes of higher education based on the latest knowledge in the field of knowledge of each degree programme provided, for the optimal development of knowledge, skills and competences of SJF students for the purpose of their successful career application,
- the provision of higher education in first, second and third cycle courses, with a focus on the development of knowledge, skills, attitudes and value orientation in all forms of education, including lifelong learning.
- full-time study as a basic form of education, while the external form of study remains as a complementary form,
- promoting autonomy, autonomy and responsibility of students for their education, while respecting the diversity of students and their needs;
- stabilising the number of students,
- lifelong learning for the needs of practice and the implementation , of further educational services,

- a close link between creative activities and higher education;
- ensuring an attractive offer of study programmes so that individual programmes, according to their content, take into account the progress and trends that are developed within the areas of: business models of the shared economy, Technology-as-a-Service, digitization of products and processes, intelligent management, Industry 4.0, Smart Industry, means of transport of the future, intelligent production, technology and materials, computer simulations and modern construction or reduction of environmental impacts,
- ensuring counselling activities for all students, as well as students with specific needs and students from disadvantaged environments,
- involving students in solving the tasks of science and research at the university,
- sustained support for the development of the internationalisation of the education system;
- improving and modernising the infrastructure for teaching, social facilities, cultural and sporting activities,
- developing a culture of creativity, responsibility and quality based on higher education standards.



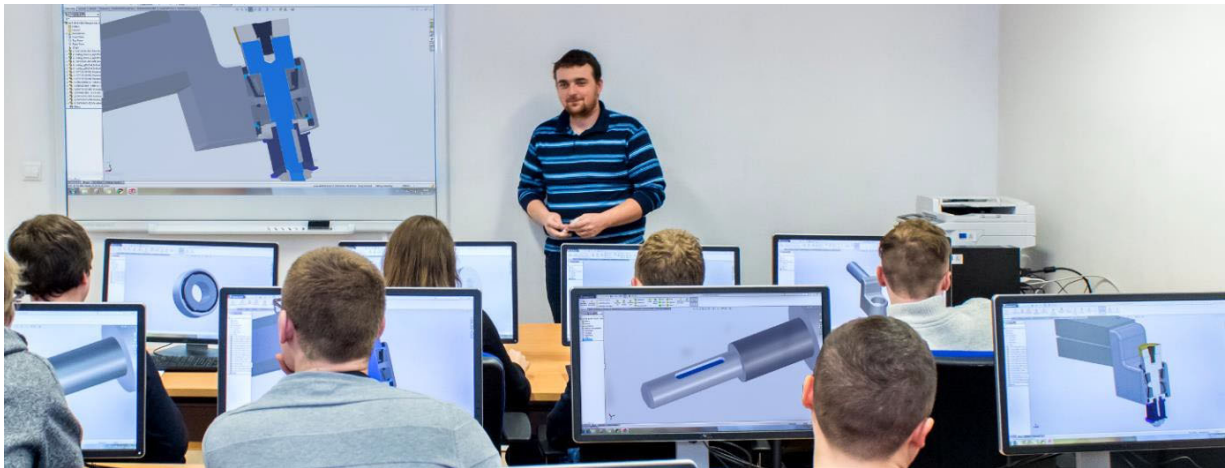
Priority tasks in synergy with the internal quality system will be:

- the establishment and implementation of internal system policies, structures and processes that guarantee protection against any kind of intolerance and discrimination against applicants and students,
- guaranteeing a transparent, fair and reliable admission procedure, guaranteeing equal opportunities for any candidate who demonstrates the prerequisites for completing a course of study;



- increasing the academic success of students by applying an appropriately set admission procedure, communicating with candidates and students during their studies,
- a proposal for an optimal structure of study programmes in the field of Mechanical Engineering, reflecting the quality of university studies and the possibility of employing graduates on the labour market,
- transformation of curricula in order to make effective use of the university teachers' work fund,
- periodic review and proposal of a new structure of study programmes based on close cooperation with employers of graduates of the faculty, employers' unions and scientific research institutions, based on the opinions of current students, graduates of the faculty and other stakeholders, with an emphasis on improving the applicability of SJF graduates on the labour market,
- transparent selection of higher education teachers;
- development of the project form of study, in particular at the second and third stages of study with emphasis on practice,
- maintaining the number of doctoral students at 1659, by creating new models of their funding;
- ensuring the production of study materials (also in line with the trends of online education),
- activities in the field of training grant schemes,
- improving communication and feedback in educational processes;
- building, developing and modernising classrooms, laboratories and their material-technical and ICT equipment in order to ensure a high quality educational process,
- the use of innovative modern teaching methods and forms,
- improving support for active and talented individuals;
- creating conditions and placing emphasis on the foreign mobility of students and teachers,
- supporting the development of students' competences allowing them flexibility in the labour market;
- creating the conditions for the application of e-learning (distance learning) tools,
- promotion and popularization of the faculty towards graduates, or those interested in studying not only from Slovakia, but also from abroad.

- supporting and rewarding students for excellence in education and for the successful participation of students in solving practical, research and scientific tasks and projects,
- support and recognition of pedagogical staff for excellence in education.



Indicators for assessing the achievement of the objectives:

- the number of applications submitted for studies,
- the proportion of applicants admitted to study out of the number of applicants registered at the relevant level and form of study,
- the proportion of applicants admitted to study out of the number of applicants registered at the relevant level and form of study,
- proportion of first-year students who have left school prematurely in the structure according to reason, i.e. exclusion to the disadvantage, abandonment of studies, change of study programme,
- proportion of students admitted by type of school,
- share of students in individual types of studies,
- proportion of students exceeding the standard length of study at the appropriate level and form of study,
- proportion of students leaving school early in the following years of study,
- Number of graduates
- share of graduates of the relevant degree and form of study from the number of students enrolled in the study at the given degree and form of study,
- share of students undergoing foreign mobility in the total number of students,
- number of study programmes provided in accordance with the standards of the Slovak Accreditation Agency for Higher Education,

- number of professional excursions and lectures by lecturers from practice,
- proportion of students involved in the assessment of the quality of teaching and teachers of the study programme out of the total number of students,
- degree of satisfaction of students with the quality of teaching and teachers,
- degree of satisfaction of students with specific needs,
- student/teacher ratio,
- number of courses (trainings) within continuing vocational training for practical purposes,
- the number of CVT participants from the external environment,
- number of educational projects addressed (e.g. KEGA).

Indicators will be regularly monitored and evaluated. Based on the results, the internal quality system will be updated to ensure the strategic objectives of the faculty.





# **Strategic objectives in the field of science and research**



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and research 16**

Scientific-research and innovation activities reflect the scientific and professional direction of the faculty and are in direct synergy with the educational process and external cooperation at the domestic and international level. Currently, research and innovation have a significant share in the results of the external evaluation of the faculty, whether in terms of various rankings or the state subsidy itself. Therefore, comprehensive support for activities in this area is a strategic matter for the faculty management. An important task for the period 2021-2027 is to continue to build or ensure the sustainability of research laboratories on the basis of interdisciplinary teams with significant involvement of doctoral students, students and cooperating foreign scientists and researchers.

The faculty aims at a more modern approach of understanding the quality of knowledge in connection with world standards, from the point of view of the level of knowledge and acceptance by the scientific community on the one hand and the applicability of research by industrial practice on the other. The task will be to find the right way to integrate current knowledge in the field of Mechanical Engineering, both in publishing activities and in industrial solutions with valuable social significance.

The strategy and priorities of the faculty are based on the idea of digital engineering based on innovative technologies of the 21st century. Building on the synergies of tradition, the present and the vision of the future, the main focus will be on research and development of environmentally friendly systems and design solutions for smart manufacturing and vehicles of the 21st century, digital engineering technologies and materials of the future.

The need for effective transfer of advanced technologies and knowledge between the faculty and the industrial sphere will continue to dominate by introducing the so-called open science policy in connection with the aforementioned pillars of profiling.

The direction of individual pillars integrates the specific activities of individual faculty departments into two complex units with a synergistic effect of strengthening multidisciplinary and efficiency.

The first pillar integrates areas of research from intelligent production systems based on robotics, artificial intelligence principles, mechanics of bound structures, mathematical modelling and simulations to the design of enterprises of the future based on the virtual reality of digital twins. Research is part of





and design solutions for e-mobility components of transport vehicles and related efficient energy source solutions to reduce the carbon footprint.

The second pillar integrates traditional engineering technologies and new technologies based on the principles of additive manufacturing, laser and other progressive applications, resulting in a synergistic effect of increasing quality and production. In parallel with the technologies, the research will focus on progressive design solutions and modifications of existing materials, modern methods of experimentation and simulation of properties of new advanced materials, such as biomaterials, composites and so-called renewable materials with an emphasis on their sustainability.

The abovementioned pillars of the science and research strategy at the faculty reflect the potential in the field of personnel, project and international and are fully compatible with the initial priorities of the Slovak Republic focused on:

*Innovative industry for the 21st century* with subdivisions:

- intelligent manufacturing systems,
- advanced technologies, progressive design solutions and modern materials of the future,
- Industry 4.0 - automation, innovative management,

*Mobility for the 21st century* with subdivisions:

- intelligent means of transport, technologies and materials;
- greening transport and industry to achieve carbon neutrality;
- energy and the environment, the energy resources of the future, with a focus on "Green Energy", electromobility and the environmental impact of transport;
- the construction of the means of transport of the future and green energy;

*Digital transformation of Slovakia* with sub-areas:

- digital production processes, big data - big data analysis, neural networks and deep learning,
- visualization of data obtained from industrial processes, transformation of real objects into digital form,
- use of ICT in business management,

*Population health and health technology* with subarea:

- artificial intelligence and robotics and its use in biomedical applications.

Priority tasks will focus on:

- development of the principles of free creative scientific research,
- improving the quality in science and research, reflecting the research and innovation strategy for the intelligent specialisation of the Slovak Republic,

- creating conditions for cooperation and openness within the faculty, promoting the quality, originality and excellence of teams and individuals,



- setting up internal processes in science and research at the faculty, with an emphasis on permanent fulfillment of the criteria of the research university,
- development of targeted basic and applied research in cooperation with the external environment,
- building open science - open access to publications, data and cooperation, research materials, methods, software and other sources of information,
- involvement of students mainly at the 2nd and 3rd level of higher education in scientific research and creative work, support for the publication of the obtained scientific results,
- raising awareness of upcoming and ongoing calls for projects and creating tools and conditions to help project promoters and project promoters, in particular in the field of administrative and financial processing of documents,
- increasing the weight and availability of the results of scientific research and creative activity in the international environment, in particular by publishing works in renowned scientific journals registered in world citation databases,
- alignment of the criteria for the habilitation procedure and the inauguration procedure with the internal quality system in synergy with the standards of the Slovak Accreditation Agency for Higher Education and their consistent application,
- ensuring the qualitative growth of scientific and scientific-pedagogical staff of the SJF (criteria for HKaIK, scientific qualification degrees, or successful completion of doctoral studies)

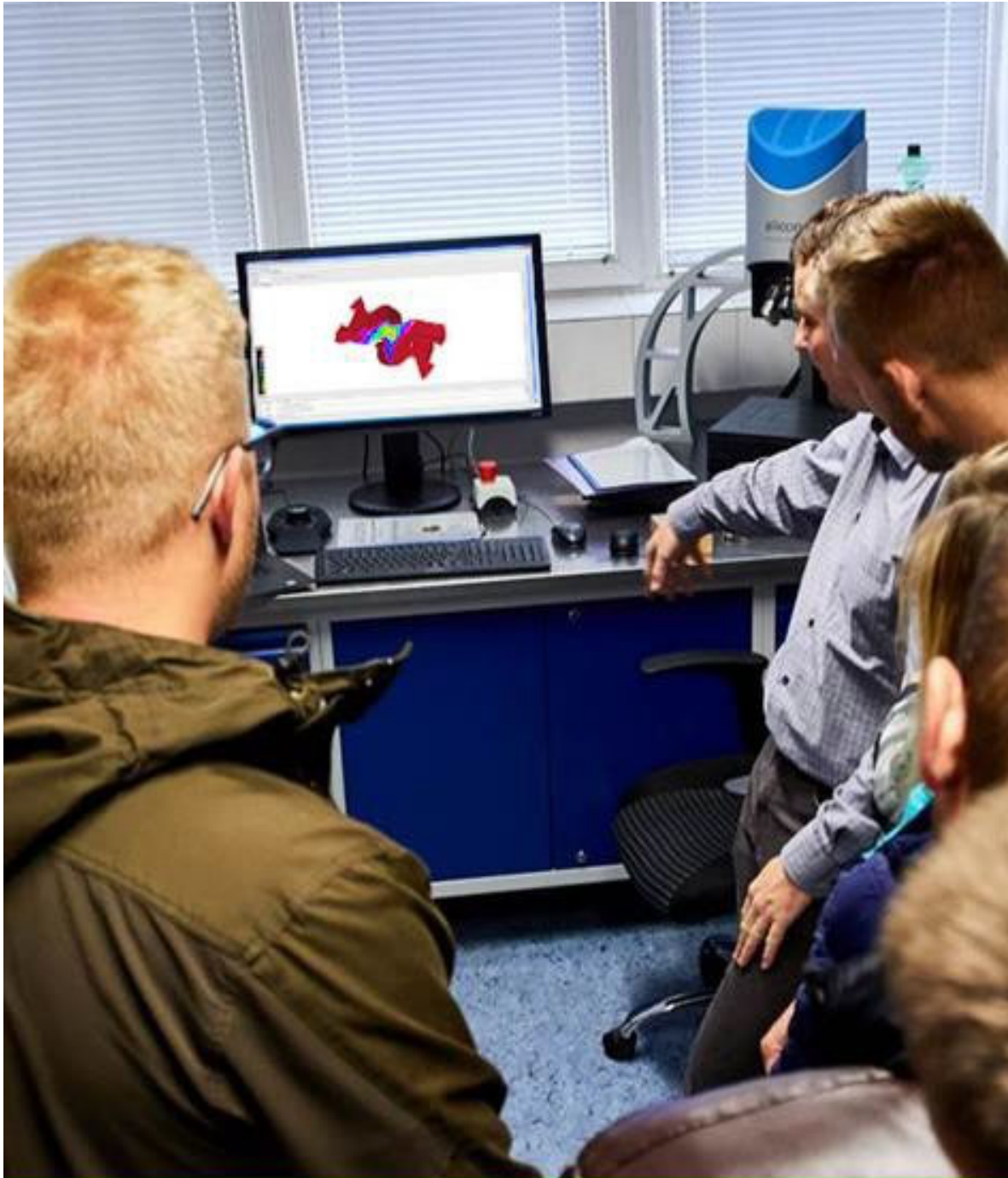


conditioned by publishing outputs in reputable periodicals monitored in databases,

- building and sustaining cutting-edge research infrastructures by using available resources, in particular EU Structural Funds, and by tapping into the potential of interdisciplinary teams with strong involvement of doctoral students and foreign researchers;
- ensuring sustainability in the volume of research and engineering projects funded by industrial and social practice;
- deepening cooperation with companies in the region, Slovakia and abroad in the field of science and research, integration of SJF into innovation clusters and professional interest associations,
- legal protection of intellectual property and its application in contractual relations,
- technology transfer into practice and commercialisation of research results,
- popularisation and visibility of the results of scientific research and creative activities of students and faculty staff to the general public.

Indicators for assessing the achievement of the objectives:

- number of scientific publications recorded in the world scientific citation databases (WOS, SCOPUS),
- number of citations and H-index of creative staff of the faculty (individuals and collectives) according to the world scientific citation databases (WOS, SCOPUS),
- number of highly cited publications by authors from the faculty (min. 30 citations per publication),
- number of publications per employee,
- number of publications with the author's participation of students,
- number of patents and utility models,
- the number of scientific grants dealt with, including the amount of financial support received,
- number of projects from other entities, including the amount of financial support received (contract research),
- the amount of revenue generated by research projects per employee.





# Priorities for international cooperation



## Foreign cooperation priorities

International cooperation is a prerequisite for the integration of the workplace into the European Education and Science Area. It will have an increased impact on the development of the main activities of the Faculty in the field of education and research. In addition to non-contractual international cooperation, emphasis will be placed on cooperation in international projects, the ability to participate in international consortia when dealing with projects in order to obtain an interesting share of funds from the European Union. There will also continue to be a strong emphasis on strengthening contacts and activities in the framework of cross-border cooperation and the acquisition of projects in the framework of approved bilateral agreements.

In the following years, the position of the Faculty of Mechanical Engineering is expected to improve in terms of international acceptance despite the current global pandemic situation, which today limits the development of personal contacts.

The faculty is interested in:

- encourage participation in international education projects (ERASMUS+, CEEPUS, National Scholarship Programme (NSP), EU cooperation programmes with Asia, bilateral, national and international programmes, etc.);
- to strengthen internationalisation in education in the form of admission of foreign professors to requested lectures, to support short- and long-term mobility of our students at foreign universities within the ERASMUS+, NŠP, CEEPUS programmes. Together with foreign partners, conduct various pedagogical activities, such as conducting final theses, assessments, exchange of study materials, etc.,
- support the development of faculty conditions aimed at admitting more foreign students, whether through mobility programmes or, in special cases, through the study of comprehensive study programmes;
- support activities aimed at establishing new international partnerships and concluding bilateral agreements,
- create a system of support and stimulation of academic staff of the Faculty in the field of their international mobility and to an increased extent invite foreign experts to lecture



stays at the Faculty of Mechanical Engineering, in particular through projects of the Faculty of Mechanical Engineering, which has been proven in recent years,

- emphasise the involvement of our faculty's teams and laboratories of excellence in international consortia, with a view to participating in project solutions and, in particular, in the European Science Area;
- actively participate and create the conditions for obtaining and implementing Horizon Europe and Erasmus+ projects;
- support activities to participate in the consortium of European universities;
- create joint degree programmes and double degrees with renowned foreign universities.

Indicators for assessing the achievement of the objectives:

- the number of international research, training and other projects addressed;
- share of students undergoing foreign mobility in the total number of students,
- number of students who have completed a study stay or internship abroad,
- number of foreign mobility of faculty staff,
- the number of foreign university teachers, researchers and lecturers admitted to the faculty;
- the number of international scientific events organised,
- number of study programmes provided in foreign languages,
- number of subjects provided in a foreign language,
- the number of teachers actively involved in foreign language teaching.







# **Human resources management, management and management**



## Human Resourc es Manage ment

A key factor for the future of the faculty is the promotion of quality education and the development of human resources in the supporting area of research and development at SjöF UNIZA in the area of modern knowledge society. Sustainability of the 50% share of professors and associate professors in the total number of teaching staff of the SJF is considered a strategic task. This is related to ensuring appropriate conditions for quality education by increasing their professional readiness, presentation and pedagogical skills, language competences, as well as promoting the mobility of workers to foreign universities and industrial practice. The aim will be to provide faculty staff with educational systems for sustainable career development at all stages of their careers.

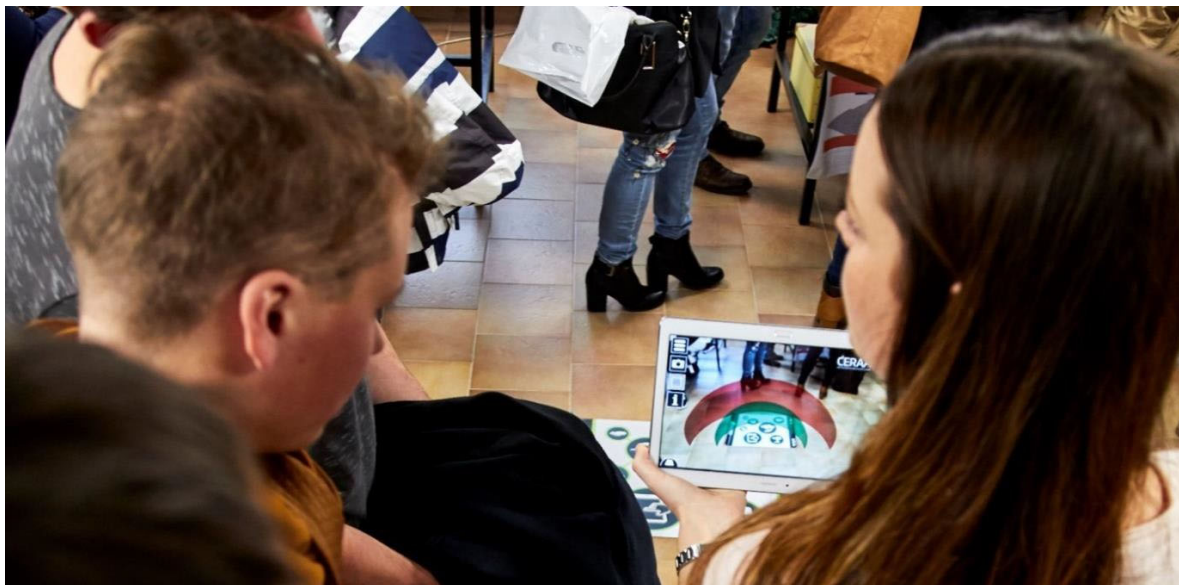
The task of the faculty management will be:

- targeted human resources development - training of professionals, in particular through full-time doctoral studies and the creation and maintenance of post-doctoral posts, despite changes in funding and external competition;
- support the graduation growth of those employees who have to carry out doctoral studies, habilitation and inauguration procedures outside the faculty or outside the university,
- support active educators and researchers in the context of the creation of top teams,
- monitor and regularly evaluate the number and structure of pedagogical and non-pedagogical employees in order to rationalize and streamline all activities in the workplace,
- stimulate the development and creativity of talent throughout scientific and professional career development;
- establish consistency between staff motivation and institutional evaluation and funding;
- a system of remuneration of employees linked to the results achieved,
- strengthen the creation of academic partnerships, respect and respect between teachers and students;
- support grant schemes for young researchers, grant schemes for excellent teams and post-doctoral grant schemes;
- directly support active educators and researchers through a specific assessment of their excellence;

- encourage the best students to achieve scientific outputs in order to integrate them into teaching or research staff;
- permanently ensure and increase the electronization of the main processes of the faculty, with an emphasis on cyber security in the processing of data and documents,
- create the conditions for reducing the bureaucratic burden on creative employees and responsible project leaders;
- promote the use of digital learning and other communication tools;
- provide applications for data analysis of faculty processes for data-assisted management and decision-making,
- promote the optimal use of the University's data centre.

Design of indicators for evaluating the achievement of the objectives:

- share of 1659 academic staff in the total number of faculty staff,
- number of appointments and qualification and age structure of faculty staff,
- the value of the qualification structure coefficient,
- number of students per teacher with a scientific degree,
- share of researchers in the total number of teachers,
- the proportion of postdoctoral students to the total number of researchers of 1689 .





## Governance

The priority of the faculty is efficient and transparent management with a positive financial perspective, while the decision-making powers in management remain unchanged. Greater emphasis will be placed on independent decision-making and performance of tasks, but in particular on the responsibility of employees in individual management articles at all parts of the faculty.

The primary task in the field of financial management of the faculty in the coming years will be the optimal setting of multi-source financing. In addition to subsidy resources from the Ministry of Education and Higher Education, the Faculty will increasingly use non-subsidy funds to cover its operational needs as well as the needs for the development of the Faculty. The Faculty's priority objective is to optimize the use of existing funds and plan financial sustainability in the coming years.

When allocating joint funds to individual parts of the faculty, in addition to the evaluation of quantitative outputs, it will create other mechanisms for more significant valuation of the quality of individual activities as well as the quality of the results of departments and employees.

Economic matters of the workplace in the main subsidy and under-subsidy activities, business and other, i.e. income and expenses are implemented through the SOFIA information system.

The task of the faculty will be:

- upgrade the computing, information and communication infrastructures 1659, 1669 and 1689;
- making more effective use of AIS opportunities in the quality management system for education and reducing administrative burdens;
- develop the use of SOFIA;
- consistently use the advisory and decision-making powers of faculty bodies (Scientific Council and Academic Senate);
- update the Faculty's internal legislative documents on an ongoing basis,
- make information resources available to students and staff through remote and mobile communication;
- optimize and streamline the processes in the public procurement system in accordance with the applicable legislative standards;
- transparent management of financial resources and efficient use of faculty assets,
- place greater responsibility on employees to participate in workplace performance indicators.



Design of indicators for evaluating the achievement of the objectives:

- the total annual amount of financial resources,
- value of revenues from scientific and research activities and their share in the total revenues of the faculty,
- value of revenues from scientific and research activities and their share in the total revenues of the faculty,
- the value of 1659 proceeds from the contract research of 1669 and 1709 their share in the total revenue of the faculty,
- value of the share of wage costs in the total costs of the faculty,
- value of revenues and costs per creative employee,
- the value of the cost of 1659,1669 per student in the individual 1709 degree programmes.



# Conclusion



## Conclusion

The Faculty of Mechanical Engineering, as a recognized research and educational authority, will provide quality higher education, accessible to all who demonstrate the prerequisites for its successful completion, open to foreign countries and practice, and will deepen the ethics and culture of academic life.

The Faculty accepts responsibility for the quality of the higher education provided. It will ensure continued equal access to education for all groups of applicants (including the creation of conditions for disabled students and students with specific needs) and will deepen the ethics and culture of academic life.

The Faculty will deepen the integrity while respecting the development of other faculty components in accordance with experience that demonstrably leads to the integration of resources, means and activities.

The Faculty will support quality university research forming the core of the research potential of Slovakia. It will be open to the domestic and foreign environment and will continue to develop cooperation with all relevant entities in the field of science, research and education, where sustainability of the quality of doctoral studies will be a priority and the creation of conditions for expanding admission of students from abroad will be a priority.

The Faculty of Mechanical Engineering of the University of Zilina will carry out all its academic activities in such a way that the results achieved in scientific-research and pedagogical activities are among the highest quality technical faculties not only in the Slovak Republic.



The long-term plan of SJF UNIZA for the years 2021-2027 was discussed and submitted for further discussion by the faculty management at its meeting on 9 March 2021.

On 15 March 2021, the Long-Term Plan of the SJF UNIZA for 2021-2027 was discussed and submitted for further discussion in the College of the Dean of UNIZ.

On 30 March 2021, the SJF UNIZA's long-term plan for 2021-2027 was discussed by the SJF UNIZA Scientific Council at its meeting.

On April 13, 2021, the Long-Term Plan of Sjf UNIZA for 2021-2027 was approved by the UNIZA Academic Senate.