



**STRATEGIC PLAN FOR EDUCATIONAL AND
CREATIVE ACTIVITIES
FACULTY OF TEXTILE ENGINEERING
TECHNICAL UNIVERSITY OF LIBEREC
FOR THE YEARS 2021-2030**

Liberec 2020

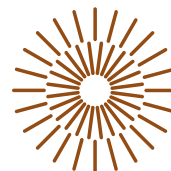


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Strategic plan of educational and creative activities of the Faculty of Textile Engineering of the Technical University of Liberec for the period 2021-2030

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Home

"Strategic plan of educational and creative activities of the Faculty of Textile Engineering of the Technical University of Liberec for the period 2021-2030" (hereinafter referred to as the "Strategic plan of the Faculty of Textile Engineering") is based on the "Strategic plan of development of the Technical University of Liberec until 2020 with a view to 2030", which it concretizes and develops with an expected continuous evaluation and update.

It serves the faculty as a central reference point for decision-making and formulation of future visions that are decisive for the development of the Faculty of Textile Engineering, Technical University of Liberec. At the same time, the document serves as an official information overview for the needs of the university authorities, public administration and Czech and foreign partner institutions.

The starting point of the FT's strategic plan is an evaluation of the current state of the FT and the current development of the relevant environment, together with a comprehensive analysis of the FT's strengths and weaknesses, prepared with regard to its intended long-term profile. On the basis of this analysis, the priorities for the development of the FT, the strategic objectives, and the specific tools and means that can be used for their implementation have been identified.

General self-reflection of social contribution

The Faculty of Textile Engineering (FT), Technical University of Liberec (FT TUL) (founded in 1960) is the only one in the Czech Republic that develops creative activities and provides higher education across the entire textile field, conducting basic and applied R&D from design, through materials and technologies, quality assessment, to a wide range of application fields. **It is one of the largest and oldest faculties in the EU dedicated to textile engineering in a comprehensive way.** The scientific and research work is mainly related to the directions of technological and material research, in which the faculty has traditionally had a high level, quality personnel background and a number of specialized laboratories with unique instruments.

The societal benefit is the maintenance and further development of the knowledge base in the textile field, R&D in technological and materials engineering with a wide range of applications of fibre structures (e.g. automotive, healthcare, construction, protection of inhabitants and equipment, environmental protection, electrical engineering, ...) and the education of professionals for a wide range of application areas. Part of the R&D development strategy at TUL is also to link the technological and artistic aspects of product design. The results of research into new materials and technologies are applied in product design and innovation, in new methods and forms of design creation, to reconcile the artistic and technological components of design.

FT TUL:

- offers a creative environment based on the collaboration of experts with competences in a wide range of technically and artistically oriented disciplines;
- is oriented towards scientific research activities while respecting the inseparability of teaching and scientific research activities;
- is involved in international cooperation (in accredited study programmes, mobility of teachers and students, professional seminars and custom-made courses, participation in international R&D projects);
- is a partner in cooperation with research institutions, business and professional practice;
- TUL strives for high efficiency based on synergistic processes of cooperating departments.

As the Strategic Plan of the FT is prepared for a period of ten years, it cannot capture all the changes in the economic and social environment of the FT that may currently occur. For this reason, a Plan for the Implementation of the FT Strategic Plan will be prepared annually, specifying the main tasks of the Faculty for a given calendar year.



1. Mission, vision of FT TUL

Mission; FT

- is a centre of education, independent knowledge and creative activity and plays a key role in the scientific, cultural, social and economic development of society in the spirit of Section 1 of the Higher Education Act;
- carries out accredited study programmes and performs creative activities related to textile materials and technologies;
- represents a uniquely equipped scientific centre in the European and world area.

Vision; FT wants

- to be an internationally respected and Czech established faculty providing bachelor, master and doctoral education in textile and related fields;
- to maintain and further strengthen its respected place among the world's top institutes engaged in textile research and other creative activities in the Czech Republic, Europe and the world;
- to further expand cooperation with industry and other partners in the field of R&D and other creative activities, to contribute to the development of society through technology and knowledge transfer;
- to contribute to the solution of the problems of the third millennium, to continue to attract the best scientists in the field from abroad.
- to attract the best PhDs and postdocs from around the world;
- to take advantage of synergistic effects of cooperation with other departments not only at TUL.

Strategy; Submitted *FT Strategic Plan*

- is based on the current state of the faculty and the strategic goal to maintain, verify and develop the position of the Faculty of Textile Engineering as a research-oriented faculty within the world's top academic and research institutions of similar focus; with regard to changes in the structure and focus of the textile industry in the Czech Republic and ERA, and new possibilities of applications of products based on textile fibre structures; through quality research and scientific work, inspiring and creative teaching and the creation of a demanding and also open, free and friendly university environment.



2. Comprehensive analysis of strengths and weaknesses

FT activities in 2016-2020 were implemented in accordance with the Faculty's strategy formulated in the *FT Long-term Plan* and its updates. The evaluation of the fulfilment of the priorities and objectives of the FT's long-term plan in 2016-2020 is carried out in regular *Annual Reports and the Self-evaluation Report (Social Contribution of R&D&I FT TUL 2014-2018)*. Based on the analysis, the main strengths and weaknesses were identified and opportunities and threats to the achievement of the FT's development goals were defined.

Strengths of FT

- The international and national **uniqueness** of the field and the **prestige** of the institution.
- **Tradition** in textile research and development (both material and technological), linking the technological and artistic aspects of product design.
- **Innovative** R&D activities in line with the orientation of companies towards higher value-added products, multifunctional and smart textiles, special structures and the application of textile structures to new industries.
- **Excellence** of R&D activities - evaluation of TUL's results in international rankings.
- **Interdisciplinarity**, ability to build R&D teams and find innovative, complex solutions across disciplines. In line with the solution of developing and supporting cultural and creative industries, the formation of teams composed of R&D and artistic staff.
- **A balanced** range of study programmes at all levels of study. Accreditation of all study programmes for the maximum possible time in both Czech and English.
- **Flexibility** of training methods. Individual approach to students; involvement of students in R&D activities.
- **Engagement** of academic staff and students in doctoral programmes. Habilitation and professorial appointment rights.
- State-of-the-art **infrastructure**; laboratory equipment in line with new R&D trends in the field of textile materials and technologies.
- Success in the field of **internationalisation** - active connections with most of the world's major university departments working in the field of textiles, both in the field of teaching and research.
- **Openness** for cooperation - active involvement in the development of national strategies for the textile and clothing industry; wide network of partnerships; joint R&D projects; professional practices. Openness in interdisciplinary cooperation.
- Successful **communication** and popularization of the results of creative activities.
- Possibility to take advantage of synergistic effects of cooperation with other parts of the university.

Weaknesses of FT

- The uniqueness of the field limits the possibility of massive development of the academic staff mix from external sources.
- Overloading staff with activities unrelated to science and teaching (administration, other activities) can lead to a loss of motivation.
- Uneven level of language equipment of teachers in English study programmes.
- Low involvement in international R&D projects. Low success rate of project applications.
- Still relatively low level of applied science and research results.
- Insufficient activities to increase the interest of secondary school students in technical studies.
- Failure of students in their studies. Low effectiveness of innovations in pedagogical methods to motivate students.
- Lack of a sense of belonging among workplaces.
- Insufficient identification with the principles of *the Methodology for the Evaluation of Research Organisations and Programmes of Targeted Support for Research, Development and Innovation ("M17+")*.



Opportunities in the external environment

- New opportunities for the application of research results in the field of fibre structures to the design of hybrid and composite structures, tissue engineering and other engineering fields and disciplines.
- Reaction to current industrial development concepts (demand for technically educated graduates, interest in cooperation on R&D topics).
- Offering the possibility of commercial use of application potential, intellectual property and technical background in the Czech Republic and abroad.
- Detailed evaluation of international rankings and communication of achievements.
- Use of EU support programmes and national agencies.
- Obtaining institutional accreditation.
- Marketing outreach to applicants; leveraging the demographic growth curve, interest in technical fields.
- Possibility of cooperation with primary and secondary schools - popularization of technical and technological fields and education of potential future students.
- Strengthening the pedagogical competences of academic staff towards student motivation.
- Increasing the number of international students.
- Increasing interconnectedness with alumni (both CJ and AJ).
- Recruitment of experts also abroad, also outside the textile industry.
- Presentation of results, knowledge and equipment of TUL to the professional and general public.

Threats from the external environment

- Economic instability at national/global level.
- Absence of a long-term political strategy for R&D in the Czech Republic. Unclear priorities of the government regarding the issue of R&D funding.
- Excessive earmarked funding at the expense of institutional funding. It leads to precarious working and living conditions of scientists and faculty members.
- Uncertainty and instability of the state education and higher education concept (low share of tertiary education spending in GDP, new system of financing universities).
- Quality of knowledge and intrinsic motivation of secondary school graduates. Decline in interest in studying technology and material oriented fields.
- Inappropriateness of the M17+ methodology for so-called "small industries".
- Inconsistency between the policy of internationalisation of the HE environment and the visa issue.
- Lack of institutional accreditation.
- Increasing demands on project administration and bureaucracy from providers.
- Low public support for the development of university education.



3. Educational Activities of the Faculty of Law TUL

FT is aware of its dual role in education: on the one hand, it is responsible for the quality training of professionals for light industry, on the other hand, it plays the role of a university responsible for the top education of man in the general sense.

Strategic

- Develop, modernize and update existing accredited programs and disciplines structured into bachelor's, master's and doctoral degrees.

Strategic tools

The strategic instruments focus on the areas of:

Relevance of study programmes

- Emphasize interdisciplinary studies using the synergistic effects of cooperation between technically, economically, humanities, social science and art-oriented faculties.
- Link education with research, development, innovation, artistic and other creative activities.
- To harmonise both principles of education - the training of practical skills applicable in practice immediately after graduation, and the development of more general intellectual and social competences enabling graduates to respond to new situations on the labour market and in society in the future.
- To profile study programmes with regard to the needs of the labour market.
- Use collaboration with external partners to improve the relevance and quality of teaching processes.
- Collaborate with FT alumni to use feedback.
- Involve foreign and domestic experts from development departments of companies, external research institutes in teaching selected subjects.
- To continuously support the solution of technical, technological, economic and other problems of practice within the framework of bachelor, diploma and dissertation theses.
- Create favourable conditions for intensive horizontal (inter-sectoral) mobility of students and academic staff by strengthening cooperation with the business sector.
- Define long-term professional practice completed during the course of study. Use external partners and international organisations of textile-related enterprises and institutes in the preparation and implementation of supervised internships.
- Increase the attractiveness of study; identify and communicate employment potential.

Diversity and accessibility - equal opportunities

- Organise refresher courses and provide opportunities for students with inappropriate prior learning.
- Ensure suitable study conditions for people returning from maternity and parental leave.
- For students with specific needs, collaborate with the Academic Advising Center of TUL.

Diversity and accessibility - counselling and preventing academic failure

- To develop a system for evaluating the quality of teaching and study.
- Develop a system of counselling to improve progression through degree programmes.
- To enable the reconciliation of studies with family and working life and to create conditions for successful study in a combined form.

Diversity and accessibility - a student-centred approach

- To search for talented students and direct them towards comprehensive preparation for scientific research work.
- Encourage student involvement in creative activities at national and international level.
- To take advantage of opportunities to financially support outstanding students who are learning and creating.
- Improve individual work with students in doctoral studies and strengthen their involvement in



scientific and research projects. Increase emphasis on the quality of supervisors' work with doctoral students. Seek opportunities for scholarships for DSP students.

Diversity and accessibility - progressive forms and methods of education

- Support the development of staff competencies for teaching and curriculum innovation.
- Diversify the forms and methods of education to meet the needs of specific target groups of students in order to effectively achieve the intended learning outcomes.
- To make maximum use of the state-of-the-art infrastructure of TUL in teaching (laboratories, workshops, studios, equipment)
- Develop the offer and innovate methods of flexible forms of education, including online education; open space for the use of blended learning methods (organisation of teaching where both face-to-face and distance methods are used synergistically).
- Support the building of infrastructure for interactive learning methods.
- Strengthen and develop students' language, soft and entrepreneurial skills.

Internationalisation

- To develop its position as an important partner within the international educational space in textile disciplines in both qualitative and quantitative sense.
- Openness to the creation of joint study programmes with foreign quality schools - Joint Degree, Multiple Degree.
- Enhance the quality of study programmes and equip all graduates with international and intercultural skills, often referred to as global skills.

Incoming

- Increase the number and quality of study programmes offered in foreign languages.
- Create a competitive environment using international students and teachers.
- Primarily focus on foreign students in doctoral programmes.
- Organize regular summer schools and specialized courses for PhD students and specialists.
- To offer topics for the implementation of internships for foreign students.
- Develop the offer of mobility in the visual arts.

Outgoing

- Expand the international dimension in the structure of study programmes, including mobility windows.
- Ensure hassle-free short-term study abroad, including credit recognition and the creation of custom study plans and foreign work placements.
- To enable talented students to compare themselves with their peers abroad and at home by participating in national and international internships, competitions, conferences and summer schools.

Specific and measurable objectives

- Achieving a year-on-year increase in the number of students enrolled in study programmes at TUL.
- Consistently increasing the proportion of students with a successful graduation rate.
- Maintaining/Increasing the proportion of foreign students, especially in doctoral studies.
- Maintain/Increase the number of international student mobilities (incoming and outgoing).
- Maintaining the number of top foreign experts and teachers involved in teaching.



4. Creative Activities

FT TUL carries out creative activities according to § 1 of Act No.111/1998 Coll., on higher education institutions in the following areas: scientific, research, development and innovation, artistic and other activities.

Strategic objectives

To optimize and diversify the structure of creative activities of the TUL Faculty of Science with regard to the excellence and progressiveness of individual research directions. The development of FT in the field of creative activities will be specifically oriented to the following strategic areas:

Progressive fibre materials

- Highly functional fibres for sustainable textile materials and structures
- fibrous materials and their bio-based processing
- high performance fibres for structural applications

Innovative products

- design of high added value products for clothing and technical textiles, interdisciplinary applications
- Ecodesign for circular products
- smart high-performance materials and products, functionalised textiles and e-textiles
- sophisticated product design methods

Advanced and Circular Technologies

- optimization, modification and development of technologies for processing and production of new materials and structures
- environmentally friendly, non-toxic, energy efficient processing and finishing
- new energy sources and new transport media in textiles
- circularity (closed loop), recycling, fibre-to-fibre recyclability, fibre waste recycling

Nanomaterials and nanotechnology

- production of nanofibres and nanofibre structures (AC, DC electrostatic, centrifugal softening, etc.)
- applications of nanofibrous materials for technical, medical and biological applications
- application of nanoparticles for special effects

Metrology and quality assessment

- quality management (comprehensive quality assessment and non-traditional computer-oriented procedures)
- evaluation, analysis and modelling of structure and properties, parameters of sustainable processes
- processing of experimental data (focusing on modelling and specific textile problems)
- development of special experimental methods and instruments

Artistic creative activity

- design of textiles, clothing, glass, jewellery
- new methods and forms of art/design creation

Common principles for strategic areas:

- For strategic areas, systematically build up scientific schools with regard to their provision in terms of capacity and qualification of staff, experimental facilities and possibilities of cooperation with both enterprises and foreign institutions.
- Individual research topics should be addressed in interaction with each other. Develop interdisciplinary teams focusing on research on flexible hierarchical materials based on fibre structures for sophisticated applications that have a broader reach beyond the standard use of materials.
- Fiber structures can be applied to hybrid and composite structures, tissue engineering and other engineering fields such as automotive, as well as to address fundamental societal challenges such



- as health care and quality of life, reducing energy needs and efficient use of waste.
- Stimulate research performance and the quality of the results produced,
- Increase the social and economic impact of university research results
- To strengthen the position of the TUL Faculty of Science as a partner for searching and solving research tasks and societal challenges.

Strategic tools

Strategic tools to increase the internationally competitive quality of research are: instrumentation of infrastructure, networking and expansion of professional research teams, development of internationalisation and building links with foreign research partners, which will lead to the creation of new results (publications, patents, etc.) and to the submission of joint project proposals; they are focused on the areas of:

Academic staff

- Seek and train specialists for core research areas. Activate quality human resources from among talented students. Recruit experts from abroad.
- To fill the positions of scientific researchers, academic staff and other professional staff or specialists in a transparent and targeted manner according to the needs of the FT disciplines.
- Increase the qualification level of a decisive part of the staff participating in creative activities and improve its age structure.
- Motivate and support the qualification growth of staff, optimise the number of highly qualified R&D staff. Promote habilitation and professorship procedures.
- Motivate and support academic staff to produce more qualitatively demanding publications.
- Support the involvement of academic staff and students in regional, national activities, multidisciplinary projects, international research teams, etc.
- To create conditions for the inclusion of disadvantaged groups (mothers with children, people with disabilities, etc.) in the work process.

Indoor environment

- Sustainably increase the number of grant projects supported by national or international donors.
- Increased involvement of students and foreign specialists, as well as other universities, in the solution of grants.
- Pursue private fundraising.
- Seek support from industry.

Relevance

- To respond to local, regional, national and international conditions and problems through its research, artistic and other activities.
- Use cooperation with external partners to improve the relevance of R&D processes.
- Search for new research directions, collaborate on analyses, studies, provide consultations, work on joint R&D projects, custom research.
- Continue to participate in clusters and professional associations (ATOK, CLUTEX, CTPT, etc.) as well as in international organizations of companies and institutes with a textile focus (AUTEX, FEANI, etc.).
- Increase the amount of knowledge that can be used in practice.
- Develop a strategy for the protection of industrial and intellectual property, transfer of knowledge, experience, know-how and technology. Focus on patent registration and licensing.
- To develop a commercialisation system aimed at putting the results of science and research into practice and protecting intellectual property.
- Through the solution of joint projects of applied research and experimental development, develop cooperation with the business sector in the preparation and implementation of the role of grant recipients.

Internationalisation



- To develop and strengthen its position as an important partner in the international research area of textile technologies and materials. To cooperate with foreign partners within the "Textile Region" and interdisciplinary links.
- To create conditions for intensive involvement of the Faculty of Science in broader international cooperation in research, development, innovation and other creative activities.
- Promote international cooperation in research and development based on personal contacts of individual academics.
- Involve faculty in international projects and grants. Intensify the preparation of projects.
- To make effective use of short- and long-term mobility of students, academic and non-academic staff.
- Seek funding opportunities for FT specialists at partner universities and foreign FT specialists from external sources.
- Organize international conferences and specialized seminars.

Specific and measurable objectives

- Develop a staff mix with an optimal professional and age structure.
- Improve the quality of publications presenting the results of scientific and research activities, increase their international profile and strengthen their impact in the relevant field.
- Increase the number of working groups actively involved in international cooperation in science and research not only through bilateral cooperation but also through participation in international consortia.
- Increase the volume of licensing agreements with a defined profit of a tangible or intangible nature.
- Increase the volume of intellectual property - utility models, patents, licenses.



5. Starting points for the 3rd role

The third role is understood by TUL FT as a range of links between applicants, students, graduates, academic and non-academic staff of the university and a wide range of subjects in its near and distant surroundings.

Strategic objectives

- To create an open, creative, inspiring cultural and social environment to promote the sharing of shared values among students, staff and the public and to foster belonging to the University.
- To promote education and cultivate society by actively strengthening democratic principles and civil society and by spreading moral and ethical values.
- To strengthen the role of TUL FT as an important authority in shaping strategies and policies at the regional and national level and to be a reliable partner in addressing societal challenges.
- Reflect current societal developments, the latest scientific knowledge and the needs of partners. To be in close and mutually open contact with partners at local, national and international level, with alumni, employers, scientific and academic institutions as well as with the non-profit sector and public administration. Use collaboration with external partners to improve the relevance of processes.
- To build the FT's prestige externally and internally through up-to-date, reliable and comprehensible information.

Strategic tools

The strategic instruments focus on the areas of:

Educational activities - incorporated in ch.3

Creative activities - incorporated in ch.4

Indoor environment

- To create an environment stimulating the use of science and research results and the cooperation between TUL and the private sector in research and innovation. Involve a broad group of partners in the preparation of strategic documents.
- Set the conditions and specify the elements of cooperation between partners.
- Promote the exchange of experience and knowledge - organise events for professional and public.
- Promote diversity of work teams, interdisciplinary cooperation, knowledge transfer between R&D and teaching, science and art.

Awareness, promotion and marketing

- Develop relevant and quality marketing and promotional activities in all areas of activity.
- Structure the form and content of information according to the target group.
- To seek new forms of information provision in both internal and external communication, both at home and abroad
- Faculty media resources to be developed as a dynamic environment for sharing information to target audiences.
- To support activities aimed at popularising science and research that enable the public to demonstrate the use of science, its applications and its contribution to society, focusing on stimulating the interest of young people in learning.
- Improve mutual information within the University and respect the University's external presentation.
- Present information on examples of good practice.
- To popularize contemporary trends in textile and clothing design, develop the activities of the exhibition gallery.

Specific and measurable objectives

- Expand the network of collaborating organisations.
- Create models of faculty partnerships with organizations, institutions and companies from practice.
- To open the space of FT TUL to the public. Regularly organize popularizing scientific, cultural and social events-
- Create a system for working with graduates. Strive to maintain lasting ties with them.
- Expand the U3V lifelong learning system.
- Strengthen awareness of study opportunities, cooperation with companies and other external entities.



6. Priorities of the strategic plan

a. Internationalisation

With its international dimension and quality of education, research and third role, TUL prepares its graduates for leadership in the global knowledge society, contributing to the prosperity and sustainable development of communities at home and abroad.

Strategic objectives

Strengthen the distinctive international character of the FT environment based on full integration of incoming students and visiting lecturers into the life of the academic community, intensive international contacts in creative activities and consideration of the global context and foreign experience in the preparation of study programmes and R&D projects.

Strategic tools

The strategic instruments focus on the areas of:

Educational activities - part of ch.3

Creative activities - part of ch.4

International environment

- Develop international collaborative strategic partnerships and membership in international networks/organizations.
- Actively use existing and further expand cooperation agreements with foreign universities, research institutions and industry.
- Promote language and intercultural training for students and staff of higher education institutions.
- Develop services offered to students and staff to enable and facilitate trips/arrivals and integration. Create the material and organisational conditions for this.
- Develop a system for working with international students and graduates
- Create conditions for the recognition of prior learning.
- Simplify the formalities for the admission of foreign students through cooperation with foreign universities.
- Support foreign internships and student mobility from own resources, strengthen and target the FT Mobility Fund.
- Motivate academic staff to participate and collaborate in international projects.
- Promote examples of good practice from cooperation with strategic partners.

Specific and measurable objectives

- Increase the share of foreign students and staff in the educational and research activities of TUL.
- To implement targeted short-term stays of selected FT specialists at foreign universities associated with intensive teaching.
- Accept selected foreign specialists and post-doctoral students for short-term study and research stays.
- Increasing the number of academic staff from abroad and foreign students studying in a foreign language
- Increasing involvement in R&D projects (foreign contracts).



b. Quality

The quality and culture of academic life are a fundamental priority in the implementation of the FT's strategic plan. Emphasis on quality is paramount in all activities (education, R&D, artistic activities), international cooperation, cooperation with public administration, development of innovations in business and non-business sphere, cooperation with employers.

Strategic objectives

- To achieve a level of FT management that effectively and efficiently stimulates the interest of all FT academic staff in the continued growth of quality in all key FT activities.
- Adjust internal and external quality assessment systems to be in line with international standards, reinforce their relevance, and ensure feedback from assessments to all activities.

Strategic tools

Strategic management

- Achieve consensus on core priorities at all levels of the FT
- The basic points of the strategy are aimed at linking research with education, innovation, artistic and other creative activities, cooperation with industry, internationalisation of studies with greater involvement in international R&D structures.
- Participate in the development of strategic and conceptual documents in all key activities of TUL, effectively implement the faculty's position in the management of TUL.
- Participate in the development of the University's internal quality assurance systems, participate in the definition of standards.
- Engage in the processes of innovation of university regulations in the field of quality management of studies and accreditation process for obtaining institutional accreditation in the areas of education that the faculty pursues.
- To optimize the FT structure to ensure sustainability, development and efficiency of utilization, technical-material and information infrastructure in the areas of education, research and development and administration.
- To create interdisciplinary research teams and conditions for their further development, to search for new research directions, to create appropriate conditions, financial and material resources, to activate and increase human potential for research, development and innovation, to improve the qualification and age structure of R&D staff in order to maintain or increase the parameters of the university attributes of TUL.
- Strengthen the professionalisation of management, administrative and organisational activities, develop quality support activities of the FT departments.
- Define the competences and responsibilities of the FT apparatus, senior staff, with emphasis on the competences of department and project heads, and ensure that they are respected.
- Strengthen and innovate creative activity management processes; Key principles on which these processes will be set include direct managerial responsibility for defining and meeting creative activity objectives, for the effective use of the University's technical equipment and for the management of intellectual property.

Quality assurance mechanisms

- Conduct retrospective quantitative and qualitative analysis of faculty activities and regularly take the findings into account in management, decision-making and conceptual processes.
- Use assessments by recognized international organizations (e.g. FEANI, The Textile Institute, international accreditation) as a benchmarking tool for comparison with related schools.
- Support the introduction of new technologies to enable relevant research and improve the quality of teaching in accredited fields of study.
- Promote work safety for staff and students in laboratories and technological semi-processes, ensure equal access to equipment across departments.

Specific and measurable objectives

- Optimise the FT structure
- Support the acquisition of institutional accreditation
- Expand the system of quality assurance parameters for R&D activities, conduct regular evaluations.



c. Efficiency

The field of research and teaching management requires the ability to perform analysis, quantification, experience in scientific and implementation practice, combined with intuition, vision, courage and ethics. Decision-making in FT self-management is based on accountability backed by experience and intuition, for which data are an important foundation.

Strategic objectives

- To develop an effective, motivating, non-discriminatory, transparent management, appraisal and remuneration system that will enhance the quality of results and overall performance of FT.
- To create and renew the necessary infrastructure and sufficiently equipped facilities for a European-oriented and research-oriented faculty.
- Base conceptual decision-making and faculty governance on relevant data.

Strategic tools

The strategic instruments focus on the areas of:

Data-driven decision making

- Perform systematic and organized collection and analysis of data necessary or appropriate for decision making and quality management of all FT activities.
- Collaborate on the introduction of methodology and unification of outputs and presentation of these data within TUL.
- Improve the functions of the management mechanisms, especially through regular evaluations of the fulfilment of objectives and their discussion with the FT stakeholders and within the FT Dean's College.
- To enable staff and students involved in local government to receive training in management skills.

Efficient financing

- Respond to changes in the funding of HEIs and TUL so that the financial side of things does not hinder the growth of quality and the fulfilment of the strategic goals of FT.
- To set transparent rules for the distribution of financial resources so as to strengthen cooperation within the faculty and the university with regard to the efficient use of individual resources and the improvement of the quality of activities.

Non-investment

- Strive to obtain normative resources by fulfilling the parameters of scientific performance, qualification and international focus.
- Seek financial sources complementary to the contribution and subsidy from the state budget.
- Seek to obtain non-normative resources - projects and grants from national, European and other providers

Investment

- Develop and share laboratories with state-of-the-art equipment in all creative (R&D and artistic) activities.

Specific and measurable objectives

- A set system of quality assurance parameters for R&D activities, regular evaluations.
- Ensuring competitive remuneration for FT staff.
- Developed modern infrastructure.

7. Conclusion

The long-term strategic goal of the Faculty of Science is to develop an environment that synergistically ensures all three roles of a modern faculty (educational, research and development activities and cooperation with the application sphere) on an international scale.

This document characterizes the development of all areas, the openness to the international environment, the increase of competitiveness in European dimensions and describes the strategy for consolidating the position of FT within the European and global higher education area in the field of textile materials engineering and related areas.