

IMPLEMENTATION PLAN FOR THE STRATEGIC PLAN

of Educational and Creative Activities
of the Brno University of Technology
for the year **2023**



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The submitted Implementation Plan for the Strategic Plan of Educational and Creative Activities of the Brno University of Technology for the year 2023 was

- discussed by the BUT Scientific Board using a per rollam (by roll) procedure on 10–16 October 2022;
- approved by the BUT Academic Senate on 8 November 2022;
- approved by the BUT Administrative Board on 11 November 2022.

The submitted BUT Investment Plan for the year 2023 was

- discussed by the BUT Scientific Board using on 20 January 2023;
- approved by the BUT Academic Senate on 31 January 2023;
- approved by the BUT Administrative Board using a per rollam (by roll) procedure on 3–12 February 2023.

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Rector of BUT

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Vision

The BUT is a modern, open and internationally renowned technical university, which is built on the following principles:

1. TEACHING AND EDUCATION

- it sees education and teaching as its primary mission;
- it supports the competitiveness of its students and graduates by:
 - building on the connection between teaching and research, developing students' critical thinking and creativity as a critical success factor for its graduates;
 - benefiting from the synergy of its technical, economic and artistic disciplines.

2. RESEARCH AND CREATIVE ACTIVITIES

- it builds its competitive advantage on quality research, knowing research it what makes the BUT a true university;
- it develops close links with the application sphere through applied and contract research;
- it actively manages its know-how and supports its effective transfer into business practice.

3. SERVICE TO SOCIETY

- it uses its technological, creative and artistic potential to support societal priorities, in particular the concept of sustainable development, environmental protection and improving the quality of life;
- it is a socially responsible institution that serves as an independent and apolitical knowledge base for its environment;
- it cooperates with the regional and municipal authorities and co-creates the knowledge character of the region.

4. GOVERNANCE AND INSTITUTIONAL DECISION-MAKING

- it builds its competitive strategy on the potential, quality and motivation of its people;
- it invests in their continuous development, and fairly rewards the quality and performance of its staff in teaching and research;
- it strives to ensure equal opportunities;
- it builds the integrity of the academic community as a unity of students and academic staff;
- it raises awareness about the social responsibility of its students and staff and encourages their participation in society.

The Implementation Plan for the BUT Strategic Plan 2023 is structured in accordance with the priority objectives of the Strategic Plan of the Ministry of Education, Youth and Sports for higher education institutions for 2021+ (SP MEYS 2021+), with the Implementation Plan for the Strategic Plan of the Ministry of Education, Youth and Sports for 2023, as well as with the BUT Strategic Plan for 2021+ (SI BUT 2021+).

Priority objectives of the SP MEYS 2021+:

Priority objective 1

Develop competencies directly relevant to life and practice in the 21st century

Priority objective 2

Improve the availability and relevance of flexible forms of education

Priority objective 3

Improve the efficiency and quality of doctoral studies

Priority objective 4

Strengthen strategic management and the effective use of capacities in research and development at BUT

Priority objective 5

Build capacity for the strategic management of BUT

Priority objective 6

Reduce the administrative burden on the staff of BUT so that they can fully pursue their mission

Priority objective D

Other important topics in higher education

The Implementation Plan for the BUT Strategic Plan 2023 also respects the Development Programme for the Support of Strategic Management of Higher Education Institutions (PSSM), which aims to contribute to the implementation of individual priority objectives of the BUT 2021+ Strategic Plan. Annexed to the Implementation Plan is the 2023 allocation of funds from the PSSM for the individual priority objectives of the BUT.

Report on the progress towards objectives of the BUT Strategic Plan 2021+ and on the use of funds from the PSSM for 2022 will be submitted to the Ministry by 15 January 2023.

The Implementation Plan for 2023 contains the BUT Investment Activity Plan for 2023, which briefly summarises the investment actions included in the Investment Activity Plan for 2023, including the expected implementation process.

1 Teaching and education

- 1.1 Accreditation of new professionally oriented study programmes.** 1C, 1D
- 1.1.1 Preparing the accreditation of professionally oriented study programmes.
- 1.1.2 Methodological support in preparing the accreditation of professionally oriented study programmes from the Student Affairs Office of the BUT Rector's Office.
- 1.2 Implementation of new rules for doctoral studies.**
- 1.2.1 Introduction of competitive PhD scholarships, adjustment and financial remuneration of teaching practice. 3A
- 1.2.2 Implementing appropriate changes to the BUT internal standards, taking into account the new rules for doctoral studies. 3C
- 1.2.3 Support for the Joint Doctorate regime (COTUTELLE), including the involvement of foreign opponents and trainers. 1G
- 1.2.4 Encouraging dissertations in English; this must be the standard at the BUT research faculties. 1G, 3C
- 1.2.5 Creating a central methodology for the execution of doctoral study programmes; implementation of this methodology into the BUT information system. 3D
- 1.3 Revision of the BUT internal standards related to studies and accreditation.**
- 1.3.1 Revision and modification of internal regulations: 1A, 3D, 5B
- Rules of the BUT quality assurance system;
 - BUT Study and Examination Rules;
 - BUT Scholarship Rules;
 - BUT Lifelong Learning Rules;
 - BUT Study Programmes Rules.
- 1.3.2 Revision of Directive No 67/2017 "Organisation and conduct of evaluation of study programmes". 1B, 3D
- 1.3.3 Revision of Directive No 68/2017 "Rules for the discussion of accreditation and study programme proposals in the BUT Internal Evaluation Council", including revision of the Rules of Procedure of the BUT Internal Evaluation Council. 1F
- 1.3.4 Supplement to Directive No 69/2017 "Standards of BUT Study Programmes". 1C, 1D, 1E, 1G, 2A, 2C, 3A, 3C
- Supplement the area of practical placements.
 - Supplement the standards of distance learning study support.
 - Strengthen the international dimension of study programmes (dissertations in English, etc.).
- 1.4 Creation of a distance education and lifelong learning concept.**
- 1.4.1 Creation of a distance education methodology. 2A, 2B, 2C, 5D
- 1.4.2 Introduction of Microcredentials. 2G
- 1.5 Support for students with specific needs, development of the University of the Third Age (U3A).** 2B, 2G
- 1.5.1 Strengthening the capacity of the ALFONS Counselling Centre in response to the growing demand.
- 1.5.2 Supporting the social integration of students through individual psychological services.
- 1.5.3 Professional and linguistic counselling in writing final theses for students with specific needs.
- 1.5.4 Developing the "ALFONS on-line" programme.

1.6 Support for talented students.

1.6.1 Scholarship for the top 500 students/graduates.

D

1.7 Evaluate and select key rankings/indicators/subject-area accreditations relevant for the international evaluation of the BUT, its faculties and higher education institutes (BUT/F/HE institute).

1G, 5B

1.7.1 Methodology for assessing the potential of countries/territories in relation to the strategic objectives in the area of internationalisation.

1.7.2 Plan of initiated subject-area accreditations/certifications of the BUT/F/HE institutes.

1.7.3 Register of international cooperation agreements and their forms.

1.7.4 List of strategic partners of the BUT/F/HE institutes.

1.7.5 Territories of strategic interest for BUT/F/HE institute.

1.7.6 A set plan of indicators in individual areas at the BUT/F/HE institutes promoting the position of the BUT/F/HE institute in national and international rankings.

1.8 Create appropriate conditions for international cooperation at the BUT/F/HE institutes.

1G, 5D, 5B

1.8.1 Concept of language education of BUT/F/HE institute staff.

1.8.2 Setting up the development of the Welcome Service in cooperation with the City, the Region and other universities based in Brno.

1.8.3 Admission office concept.

1.8.4 Fulfilling the Internationalisation Action Plan and discussing it with faculties and higher education institutes.

1.8.5 Implementation of ERASMUS Without Paper.

1.8.6 Updated offer of study programmes in a foreign language (including Joint/Double/Multiple Degree programmes), including a revision of tuition fees.

1.8.7 Concept of effective internal communication with foreign applicants and students.

1.9 Increasing the short/long-term international mobility of students and staff.

1G, 1C

1.9.1 Offer of scholarship and partnership programmes for study, creative and research stays abroad for students and staff, both within and outside the European Union.

1.9.2 Number of admitted students from abroad via scholarship programmes (ERASMUS+/Freemover/etc. vs. self-payers).

1.9.3 A methodological guideline setting the criteria for the registration of foreign workers/visitors.

1.9.4 System of on-line registration of foreign mobility of BUT staff (not only within ERASMUS+).

1.9.5 Analysis and concept of student involvement in promoting internationalisation.

1.9.6 Compile lists of regularly supported student events, competitions, etc.; update regularly.

- 1.10 Develop a plan for the establishment of quality Joint/Double/Multiple Degree programmes and programmes for studies in English.** 1G
- 1.10.1 Number of new Joint/Double/Multiple degree programmes in development.
- 1.10.2 Offer of scholarship and partnership programmes for international students (self-payers).
- 1.10.3 System for attracting foreign staff (e.g. visiting professors, etc.).
- 1.11 Develop international cooperation of the BUT/F/HE institutes.** 1G
- 1.11.1 Concept of an international expert event within the CESAER network (implemented in 2024), establishment of a working group for the preparation and implementation of the event.
- 1.11.2 BUT application to the competition for the organisation of the EUA conference.
- 1.11.3 EULiST project (2023 call).
- 1.12 Spin off/Start up.** 1A, 1C
- 1.12.1 Training webinars for academics on Spin-offs.
- 1.12.2 Raising awareness and systematically working with students on the topic of Spin off/Start up; mentoring in the area of Spin off/Start up development at the BUT.
- 1.13 Implementation and development of the “Let’s Do Business!” project.** 1C
- 1.13.1 Pilot run of a university-wide course linked to the Business Idea Development and Realisation course.
- 1.13.2 Entrepreneurship Award competition for BUT students:
- completing the 3rd iteration of the competition;
 - launching the 4th iteration of the competition;
 - ensuring that the 3 best ideas are presented at the Velvet Innovation conference.
- 1.14 In the field of sport: develop a system of support for sport in relation to modern trends and sports technology (see the Concept of Sport at the BUT), in order keep the students interested in physical education and sports technology.**
- 1.14.1 Introducing new forms of teaching to increase the quality of teaching and interest in the elective course Physical Education, increasing the number of students who engage in physical activities (in response to the results of the 2022 student survey). 1C
- 1.14.2 Updates to offer of sport-oriented courses – introduce new courses in line with modern trends. 1C
- 1.14.3 Updates of the offer of sports for Czech and foreign students. 1C
- 1.14.4 Preparation of a questionnaire survey on the attitude of BUT students to physical activities. 1C
- 1.14.5 Expanding awareness of the Sports Technology – Summer School for Secondary Schools study programme; cooperation with sport-oriented grammar schools. 1C
- 1.14.6 Support for talented athletes; participation in the UNIS and Victoria VSC project and creating the right conditions for dual careers (benefits for athletes). D
- 1.14.7 Revision of scholarships for representation in sports. D
- 1.14.8 Updating the programme of sports trips abroad – FISU, EUSA, WIUC. D
- 1.14.9 Athlete of the Year poll. D

1.15 Creation of a distance education and lifelong learning concept at the BUT

1A, 1E, 2A, 2B,
2G, 5D

- 1.15.1 Creation of a concept of activities for the BUT Lifelong Learning Institute; gradually implementing this concept.
- 1.15.2 Creation of a consolidated offer of educational interventions (languages, pedagogy, management and other professional or expert courses, soft skills, etc.).

1.16 Support for student activities, teams and associations

1C

- 1.16.1 Support for the development of student project teams
- 1.16.2 Financial support for student activities contributing to the development and improvement of the quality of life of students at the BUT
- 1.16.3 Financial and organisational support for student events and activities to improve the integration of first-year students

2 Research and creative activities

2.1 Setting quality standards for creative outputs, raising awareness about the required quality of creative outputs.

4A

- 2.1.1 Analysis of subject-area breakdown and quality of results according to individual disciplines, including comparison with other Czech and foreign universities and definition of subject-area standards.
- 2.1.2 Revised criteria for the habilitation and professorship procedures to reflect the required quality of candidates by subject-area.
- 2.1.3 Rules for the distribution of support for the Long-term Conceptual Development of a Research Organisation (LCDRO) reflecting the required quality standards in individual subject areas.
- 2.1.4 A set of incentives and support measures to encourage the development of cutting-edge research and support talented early career scientists and students.

2.2 Establishing a methodology for reporting and recording results.

4A, 4C

- 2.2.1 New methodology for recording and reporting results in the BUT IS and their assessment and evaluation.
- 2.2.2 Proposal and plan for the implementation of a new BUT IS module for reporting and recording results.
- 2.2.3 Rules for the allocation of the LCDRO reflecting changes and adjustments in the framework of the Methodology 17+ (M17+) evaluation.
- 2.2.4 Plan for the modification of the Academic Staff Evaluation System (SHAP) and report on the implementation of this plan for 2023.
- 2.2.5 Plan for the preparation and implementation of the BUT evaluation within the comprehensive M17+ evaluation with emphasis on pillars M3, M4 and M5 (possibly also in other relevant evaluations and rankings).
- 2.2.6 Support and development of the Register of Artistic Works (RUV) database; strive for adequate valuation of top RUV outputs.

2.3 Increasing the BUT's prestige in the international research area.

1G, 4A, 4D, 4E

- 2.3.1 Analysis of the BUT's involvement in the international research area and the resulting plan of measures to increase the intensity of this involvement, including identification of monitored indicators and outputs (international projects, publications and other outputs, foreign scientists, success rates by subject areas).
- 2.3.2 Organising a meeting of the International Scientific Council of the BUT and getting outputs from this meeting.
- 2.3.3 Completing the research section of the BUT website reflecting the research achievements of the BUT; positioning the BUT as an open university with an international research environment.
- 2.3.4 Revising the internal regulations in the field of science, research and creative activities and translating them into English.

2.4 Implementation of the measures defined in the document "Open Science Strategy at the Brno University of Technology for 2022–2025".

4A, D

Fulfilment of all outcomes defined in the Strategy for 2023, in particular:

- 2.4.1 Courses and seminars to support work with research data.
- 2.4.2 Internal standard (directive) for data management.
- 2.4.3 Updating the open source system DSpace, used for managing the BUT Digital Library.

- 2.4.4 Open Science portal that will be used to inform the BUT staff and students and the public about all areas and services related to the implementation of Open Science at BUT.
- 2.4.5 Information materials and seminars to promote self-archiving and increased use of the possibility to upload full texts to the BUT IS and publication in the BUT Digital Library.
- 2.4.6 Needs and feasibility analysis of creating a single platform for publishing journals, which will comply with Open Science principles (e.g. Open Journal System).
- 2.4.7 Implementation of a tool for creating a Data Management Plan (DMP).
- 2.4.8 Tool for recoding of research data in the BUT IS, methodology and internal standard governing the recording of research data at the BUT.
- 2.4.9 Analysis pursuing the creation of the BUT Data Repository, its structure and technical solution (in relation to centralised activities).
- 2.4.10 Updated Open Science Strategy for 2024 and 2025.

2.5 Implementation of the project implementation guidelines at the BUT.

4A

- 2.5.1 Guidelines for the implementation of projects at the BUT.
- 2.5.2 Plan for implementation of the project implementation guidelines at the BUT (related internal regulations and methodologies, interconnection of processes, etc.).
- 2.5.3 Proposal and plan for the implementation of a new BUT IS module to support the design and implementation of projects.

2.6 Identification of the needs and opportunities for the development of the BUT infrastructure, involvement in relevant projects for infrastructure development

4B

- 2.6.1 Analysis of the needs and possibilities for the development of the BUT infrastructure for the development of creative activities and the resulting strategy for the utilisation of calls of the Operational Programme Jan Amos Komenský (OP JAK) in the field of infrastructure development.
- 2.6.2 Prepared projects for the development of research infrastructure and infrastructure for further creative activities, including infrastructure for the development of doctoral studies in promising and progressive areas.

2.7 Non-economic and economic knowledge transfer.

4A, 4C, D

- 2.7.1 Methodology describing types of non-economic and economic transfer, basic rules, ethics.
- 2.7.2 Methodology for determining the share of the result.
- 2.7.3 Methodology for valuation of intellectual property.
- 2.7.4 Methodology for determining the amount of compensation for the use of intellectual property and for the exploitation of project results.
- 2.7.5 Rules for the distribution of compensation for the use of intellectual property and for the exploitation of project results.
- 2.7.6 Rules for the application of outputs protected by intellectual property.
- 2.7.7 Methodology for capitalising the results of creative activity into assets.
- 2.7.8 Methodology for the distribution of revenue from the sale of intellectual property and from compensation for the use of intellectual property and for the exploitation of project results.
- 2.7.9 Methodology for the selection of patent agents to ensure intellectual property protection.

2.8 Active knowledge transfer.

3C, 4A, D

- 2.8.1 Websites presenting outputs protected by intellectual property.
- 2.8.2 Active public promotion of outputs protected by intellectual property.
- 2.8.3 Creation of a group of evaluators to assess the commercial potential of the results of creative activities.
- 2.8.4 The decision-making process for trading the results of creative activity.

2.9 Intellectual property administration.

4A, 4C

- 2.9.1 Setting up an intellectual property management system with preparation for connection to other BUT IS modules (e.g. projects).
- 2.9.2 Transformation of intellectual property from previous years into the intellectual property management system.

2.10 Increasing confidence in transfer knowledge.

1A, 4A

- 2.10.1 Training webinars for academics on non-economic and economic transfer.
- 2.10.2 Module in the BUT Intraportal describing the procedure for protecting the results protected by intellectual ownership rights.
- 2.10.3 Legal and professional advice on knowledge transfer.

3 Service to society

- 3.1 Support for students with specific needs, development of the University of the Third Age (U3A).** 2G
- 3.1.1 New U3A courses depending on the interest of the elderly.
- 3.2 BUT University Centre in Brno.** 1C
- 3.2.1 A representative place of the BUT; through alterations or lease, securing a suitable location for the following:
- promotion, exhibitions and presentation of the BUT;
 - active sale of promotional items and books, e-shop pick-up point;
 - organisation of BUT events (student associations, faculties, etc.).
- 3.3 Comprehensive and systematic offer of promotional items.** 1C, 5B
- 3.3.1 Concluding a framework contract with a quality supplier.
- 3.3.2 Engaging faculties, students and staff in the creative process.
- 3.4 Graduate engagement strategy (ALUMNI).** 1B, 1C
- 3.4.1 Concept of work with graduates.
- 3.4.2 Collaboration with faculties and linking programmes.
- 3.4.3 Unification and segmentation of databases and communication.
- 3.4.4 Offer of benefits in the alumni club.
- 3.4.5 "Social network" for alumni communication – application, web interface.
- 3.5 Building the BUT brand.** 1C, 1G, 2G
- 3.5.1 Brand analysis.
- 3.5.2 Brand re/positioning.
- 3.5.3 Long-term strategy for the BUT brand.
- 3.5.4 Unification of communication outputs, revision of the name, logo, unified visual style.
- 3.6 BUT e-shop.**
- 3.6.1 Setting up an active sales system – creating a centralised e-shop that will also be used the faculties, sales.
- 3.7 Cooperation of BUT within the South Moravian innovation ecosystem.** 1C, 4A, D
- 3.7.1 Organising a Velvet Innovation Meet up event at the BUT.
- 3.8 Increasing the number of agreements with primary schools by 20%.** 1C
- 3.8.1 Reaching out to primary school head teachers via electronic direct mail, in cooperation and coordination with the faculties and higher education institutes of the BUT. Lectures, excursions and other activities will be designed based on the capacity and possibilities of individual BUT institutes.

3.9 Restarting the BUT Junior project to pre-pandemic levels, building on cooperation with organisations and institutions dedicated to the popularisation of science in the line with the BUT's focus.

1C

- 3.9.1 Using the BUT's communication tools to reach parents, teachers and pupils of primary schools (social media, web, e-mailing).
- 3.9.2 Reaching out to the leadership of organisations and institutions: VIDAI, Czech Environmental Partnership Foundation (Nadace Partnerství), Lipka - environmental education centre, Brno Observatory and Planetarium, TYC Brno, Moravian Gallery in Brno, etc.

3.10 Intensive cooperation with secondary schools

1C

- 3.10.1 Increasing the number of meetings with the head teachers of secondary schools to 4–5 per year in cooperation with the faculties and components of the BUT on the basis of the selected secondary schools.
- 3.10.2 Increasing the number of FabLab truck trips to secondary school events.

3.11 The development of lifelong learning at the BUT as an integral part of the University's activities, in connection with the implementation of the social responsibility concept.

2G

- 3.11.1 Educating the public on attractive BUT topics that are socially significant.
- 3.11.2 Improving the quality of life of students, staff and the public through sports and the development of their relationship to a healthy lifestyle and active living, creating conditions for the development of university sports for students and staff in their free time and to compensate for a sedentary lifestyle – an attractive offer of educational and stay sports courses, workshops, events and competitions.
- 3.11.3 Continuing the Sports Week tradition at the BUT.
- 3.11.4 Maintaining seniors' interest in lifelong learning courses through an attractive educational programme and a range of physical activities.

4 Governance and institutional decision-making

4.1 Gradual unification of the study agenda (methodological procedures and BUT IS).

6A

- 4.1.1 Creation of uniform rules for different parts of the study agenda; transforming these procedures into assignments for the Computer and Information Services Centre (CIS BUT).
- 4.1.2 Creation of assignments, management of relevant projects, based on the capacity and possibilities of the CIS BUT.
- 4.1.3 Ensure that all assignments for the CIS BUT in the study agenda are approved by the Vice-Rector for Studies. The individual parts of the BUT IS (projects) are managed by the authorised employee in accordance with Directive No 5/2018 (Specification of the Central Information System of the BUT).
- 4.1.4 Allowing differences in the administration of study agendas at individual BUT faculties/components in the BUT IS only in justified cases, after approval by the BUT Vice-Rector for Studies.
- 4.1.5 Identifying the modules that are the most difficult to maintain due to different settings; the BUT Student Affairs Office, in cooperation with the faculties concerned, will propose solutions to eliminate unjustified differences.
- 4.1.6 Gradual transfer of the existing part of the study agenda to the website.
- 4.1.7 Gradual phase-out of the IS APOLLO interface across the study agenda.

4.2 Create appropriate conditions for international cooperation at the BUT/F/C.

5B

- 4.2.1 Plans for creating the information system of the BUT/F/HE institute in English.
- 4.2.2 Key documents/contracts/materials in bilingual format.

4.3 Revision of the BUT website.

5B

- 4.3.1 Analysis of the BUT website functionality and visual design.
- 4.3.2 Fully mirrored Czech and English web versions.

4.4 Spin off/Start up.

4A

- 4.4.1 Methodology for establishing spin-offs and start-ups at the level of the BUT and F/HE institutes, including preparation of model contracts.
- 4.4.2 4/2 spin-offs/start-ups established by employees/students.

4.5 Entrepreneurial ecosystem of BUT (contriBUTe).

4A, D

- 4.5.1 Business idea development and implementation module.
- 4.5.2 Knowledge transfer module.

4.6 Developing the HR AWARD.

- 4.6.1 Issuing BUT Career Regulations.
- 4.6.2 Implementation of a staff evaluation system, linked to the existing wage regulation.
- 4.6.3 Training of members of selection committees in connection with the issuance of the BUT Selection Procedures Rules.
- 4.6.4 Training of leaders/mentors
- 4.6.5 Creating a revised HRS4R Action Plan (HR Award).
- 4.6.6 Training of the academic and non-academic community in ethical principles in connection with the publication of the Code of Ethics.

4.7 Development and renovation of infrastructure, revitalisation of the university campus.

- 4.7.1 Reconstruction and extension of the Údolní 53 site, completion of project documentation for building permit proceedings and detail design.
- 4.7.2 Reconstruction and modernisation of the FME BUT campus – continuation in stages of reconstruction of three of the 10 buildings: part of building B2, A2 KH2, part of building B1 and A4.
- 4.7.3 Reconstruction of the facade and internal technical equipment of buildings C FME BUT – completion.
- 4.7.4 Implementation of investment actions, acquisition of machinery and equipment in accordance with the approved budget plan.
- 4.7.5 Application for subsidy and investment plan for Reconstruction of the envelope of buildings B02 and B05 of the Purkyňova dormitory for implementation in 2023 and 2024.
- 4.7.6 Implemented infrastructure for the development of new forms of education.
- 4.7.7 Implementation of the approved plan of investments, major repairs and capital equipment in accordance with the conclusions of the BUT Construction Commission.

4.8 Centralised real estate and asset management with the application of facility management.

- 4.8.1 Upgrade of BMS (Building Management System) and MaR (Measurement and Regulation) hardware.
- 4.8.2 Integration of BMS+MaR system management and its interconnection with the energy management system.
- 4.8.3 Optimisation of operating costs.
- 4.8.4 Analysis of sustainable energy sources.

4.9 Increasing the efficiency of funding for science, research and creative activities.

- 4.9.1 Budget analysis of the rules for updating the rules for drawing up the budget with an updated ratio of indicators A and K, incorporating a new methodology for evaluating science, research and creative activity, or the economic management rules.
- 4.9.2 Continuous optimisation of overhead (indirect) costs in connection with the conditions of the obtained subsidies and application thereof to all sources of financing; continuous optimisation of co-financing and pre-financing management mechanisms for projects according to the conditions of allocated grants.

4.10 Revision of the budget methodology.

- 4.10.1 Revised Budget Rules for 2022.

- 4.11 Building qualified information support with a special focus on institutional support for education, research, economics and HR and operational agendas.** 5A, 5B, 6A
- 4.11.1 Restructuring the BUT IS databases.
 - 4.11.2 Methodology of input data creation and its semantics.
 - 4.11.3 Continued development of management information system applications.
- 4.12 System transition of applications onto the web interface.** 6A
- 4.12.1 Creation of a schedule for the transition of the IS Apollo to the web interface for the primary activities of the BUT.
 - 4.12.2 Transfer of selected modules (criterion of number of users and management priority).
- 4.13 Redefining the application development management system in the BUT IS.** 6A
- 4.13.1 Anchoring the project management system for application development.
 - 4.13.2 Anchoring capacity development planning as part of the feasibility study.
 - 4.13.3 Anchoring value stream management.
- 4.14 Restructuring the University's organisational structure in the BUT IS and computerisation of agendas.** 5B, 6A, 6C
- 4.14.1 Unifying the image of the University's organisational structure in the BUT IS.
 - 4.14.2 Creating the concept of computerisation at the BUT.
 - 4.14.3 Continuing to ensure the electronic circulation of documents.
- 4.15 Reimplementation of a qualified EIS and PersIS for the management of supporting processes of the University.** 6A
- 4.15.1 Providing project management for the reimplementation of EIS and PersIS.
 - 4.15.2 Initiating process analyses of the economic and personnel agenda.
- 4.16 Strengthening the BUT's social responsibility, including improved promotion of already implemented projects and activities.** 5B
- 4.16.1 Involving the BUT in the ongoing centralised development project UNILEAD (university leaders in SDG).
- 4.17 Analysis of the current internal communication tools of the BUT central components with recommendations for further innovations and recommendations for the creation of an employee information portal.** 6C
- 4.17.1 Analysis.
 - 4.17.2 Updated specification for the BUT IS with the aim of creating an employee information portal.

- 4.18 Analyse the existing risk management model in relation to strategic external risk management. Design a system for their identification, management and communication outside the BUT. Introduce mandatory risk analysis in relation to new grant programmes and strategic school-wide projects. Update the entry of a new module in the BUT IS for administration and risk management at the BUT.** 5B
- 4.18.1 Updated specification for the creation of a new BUT IS module for administration and risk management on the web interface.
- 4.19 Anchoring roles defined by legislation related to cybersecurity (security manager, security auditor).** 6A
- 4.19.1 Internal BUT standard regulating the roles defined by legislation related to cybersecurity
- 4.20 VUTIUM Publishing House – analysis of the needs of the F/HE institutes of the BUT in terms of publishing services.** 6C
- 4.20.1 Cancelling the obligation to publish the serial publication Science Files – Ph.D. Edition (Vědecké spisy – Edice Ph.D.) in print. This service will be provided on a voluntary basis.
Output: update of Directive No 61/2017 Science Files.
- 4.20.2 Resumption of the periodic publication of the university quarterly “News at BUT” and its English annual edition in the form of thematic issues.
Output: publication of four thematic issues of the “News at BUT” journal and the English yearbook version in a new graphic design reflecting the change of concept.
- 4.20.3 Ensuring a quality editorial plan.
Output: number of new titles positively received by the expert public and users (awards received, positive press reviews, good sales etc.).
- 4.21 VUTIUM Publishing House – development concept, including the offer of services for authors.** 6C
- 4.21.1 Enabling online payments for book purchases.
Output: launch of the VUTIUM Publishing House e-shop for the sale of publications and e-books.
- 4.21.2 Increased participation in sales events (book fairs, thematic sales events, direct sales to students, conferences, etc.).
Output: number of events attended.
- 4.21.3 Provision of counselling services to BUT F/C in the field of editorial activities (preparation of print specifications, requests for printing services, mediation of proofreading, calculation of production costs, etc.).
Output: number of enquiries handled and services provided.



Annex 1: BUT Investment Plan for 2023

Summary information on the acquisition of machinery and equipment for the BUT in 2023 will be completed and delivered to the Ministry of Education and Science by the end of 2023 as a separate annex to the document. As of the completion of this document, the standard collection of requests from individual BUT F/C has not been completed.

Annex 1: University's investment plan for 2023*

Number	Unit	Name of action – Construction investments for 2023	Concise description of the action	A						B			
				Action costs (in CZK thousands)						Action preparation and implementation deadlines	Description of the current status action solution	Plan of works for 2023	Costs assumption for 2023
				total	centralised resources	F/C resources	other resources	FRIM F/C	NPO				
				Investment Assets Reduction Fund (FRIM)	invC	FRIM F/C	NPO	programme					
				79,300	18,757	16,850	8,200	133220					
				331,107									
1	BUT	Reconstruction and completion of the Údolní 53 Campus	Reconstruction and completion of the existing campus for the needs of the Faculty of Architecture and the Faculty of Fine Arts.	9,000					Preparation 2021–2022 Implementation 2023–2025	Detail design prepared Negotiations with the authorities	Work on the BPD and detail design	9,000	
2	BUT	Reconstruction and modernisation of the FME	Reconstruction and modernisation of buildings A2, A3, A4, A5, A6, B1, B2, B2, KH2 and KH3 and cladding of buildings C1, C2 and C3 in the existing premises of FME built in the 1980s, because most buildings are technically and morally obsolete.	41,200				208,000	Preparation 2020–2022 Implementation 2021–2025	Completed reconstruction A3 KH3; Completed reconstruction A6, started B2, ongoing SP for reconstruction A2 KH2; IP for reconstruction A4 is being prepared	Completion of reconstruction B2; completion of reconstruction A2 KH2; launch of reconstruction A4	249,200	
3	FME BUT	Reconstruction of the triplex lift of the A1 high-rise building	Complete reconstruction of 3 elevators of high-rise building A1 with a total of 3x22 stations.	13,500					Preparation 2022–2023 Implementation 2023–2025		Completion of the SP, implementation	13,500	

Number	Unit	Name of action – Construction investments for 2023	Concise description of the action	A					B				
				Action costs (in CZK thousands)					Description of the current status action solution	Plan of works for 2023	Costs assumption for 2023		
				total	centralised resources	F/C resources	other resources	Action preparation and implementation deadlines					
sum	Investment Assets Reduction Fund (FRIM)	invC	FRIM F/C	NPO	programme 133220								
4	FEEC BUT	Completion of the Laboratories for the Department of Electrical Power Engineering	Completion and reconstruction of the existing premises of the Department of Electrical Power Engineering to accommodate instrumentation.	28,000	12,300	7,500	8,200		Preparation 2022–2023 Implementation 2023–2024	Detail design prepared, BP issued preparation of the PC	28,000	Completion of the SP, implementation	
5	BUT	Other investment activities	Other small investments approved at the meeting of the BUT Construction Commission and forwarded to the AS for discussion.	31,407	3,300	9,350			Implementation 01–12/2023		31,407		

Number	Unit	Name of action – Construction investments for 2023	Concise description of the action	Action costs (in CZK thousands)				Action preparation and implementation deadlines	Description of the current status action solution	Plan of works for 2023	Costs assumption for 2023
				total	centralised resources	F/C resources	other resources				
				sum	Investment Assets Reduction Fund (FRIM)	invC	FRIM F/C	NPO	programme 133220		
				64,295	36,890	23,895	3,510	0	0		
1	BUT	Upgrade of BMS BUT	Upgrade of HW and SW Building Management system of the whole University. The total cost is approx. CZK 25–33 million. In 2023: 1. a Phase 2 (2/3) costs.	22,000	22,000				Preparation 2022–2023 Implementation 2023–2024	Implementation of Phase 1 and Phase 2	22,000
2	BUT	Other investment activities – transferred from 2022	Other "small" investments approved in the previous period.	42,295	14,890	23,895	3,510		Implementation 01–12/2023		42,295

* The action plan was approved and recommended for further approval at the meeting of the Building Commission on 21 September 2022.

Annex 1: University's investment plan for 2023 – repairs *

No	Unit	Name of action – Non-investments (repairs) for the year 2023	Concise description of the action	Action costs (in CZK thousands)		B		Costs assumption for 2023
				celkem	centralizované zdroje	Action preparation and implementation deadlines	Description of the current status action solution	
				15,722	15,722			
1	BUT	Other activities – non-investments (repairs)	Other big repairs approved at the meeting of the BUT Construction Commission and forwarded to the AS for discussion.	15,722	15,722	Implementation 01–12/2023		15,722

* The action plan was approved and recommended for further approval at the meeting of the Building Commission on 21 September 2022.

Annex 1: University's investment plan for 2023 – KaM**

Number	Unit	Name of action – Construction investments of KaM for 2023	Concise description of the action	A					B			
				Action costs (in CZK thousands)			Action preparation and implemen- tation deadlines	Description of the current status action solution	Plan of works for 2023	Costs assumption for 2023		
				total	resources	other resources						
sum	FRIM KaM	centre	NPO	programme	133220							
				25,000	10,000	0	0	15,000				
1	KaM	Insulation of the cladding and roof of buildings B02 and B05 of the Halls of Residence at Purkyňova 93	Reconstruction of ETICS and the roofs of two student halls of residence. Total cost approx. CZK 50 million In 2023 Phase 1.	25,000	10,000			15,000	Implemen- tation 2023–2024	Detail design preparation, preparation of IP	General supplier selection Implemen- tation of Phase 1	25,000

** The KaM action plan was not discussed for 2023, because the implementation of any action depends on the development of the coronavirus pandemic and the availability of funds affected by a revenue shortfall in 2019, 2020 and 2021.

Annex 1: University's investment plan for 2023 – BUT Investment Plan for 2023 – machinery and instrumentation

Component Item No	Name of equipment/ item designation	Action costs (in CZK thousands)								Note	
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM		other
	Investment plan – machinery and instrumentation of BUT 2023 TOTAL	141,654.22	4,418.08	0.00	13,017.50	42,972.14	14,500.00	0.00	66,746.50	0.00	
	BUT Rector's Office total	3,710.00	0.00	0.00	0.00	0.00	0.00	0.00	3,710.00	0.00	
1	Purchase of a franking machine for the main BUT RO mailroom, including SW	100.00							100.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
2	Printer Xerox PL C9070_RE OMVV	190.00							190.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
3	Two new servers for the operation of the Rector's Office – RO server room	2,000.00							2,000.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
4	Four new powerful switches for the Rector's Office – RO server room	800.00							800.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
5	New powerful multifunction printer A3 – RE 0152	120.00							120.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
6	Disk array, RO server room	500.00							500.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note		
		BUT sites in total	sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies		own resources – FRIM	other
		48,172.00	48,172.00	1,200.00	0.00	0.00	0.00	0.00	0.00	46,972.00	0.00	
1	License plate recognition technology for underground parking on Kolejní Street	22.00	22.00							22.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
2	Optical routes – extension of cable route Poříčí – Rybářská	800.00	800.00							800.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
3	Optical routes – network upgrade	1,200.00	1,200.00							1,200.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
4	Optical routes – installation of new optical cable IO Kolejní 4 – FECC Technická 12	900.00	900.00							900.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
5	Replacement of backbone network management servers	1,000.00	1,000.00							1,000.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
6	Extension of air conditioning IO – NORTH NODE	550.00	550.00							550.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
7	Backbone network security elements, monitoring, surveillance – BUT sites	1,200.00	1,200.00							1,200.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
8	Gradual renewal of backbone elements to connect faculties and components	1,800.00	1,800.00							1,800.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
9	Structured cabling, related to WiFi AP for HW replacement	4,500.00	4,500.00							4,500.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
10	New WiFi AP for HW replacement (400 pcs PURK, LIST, MAN)	4,000.00	4,000.00							4,000.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
11	VMware server replacement (Part 2, can be phased)	2,800.00	2,800.00							2,800.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note	
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM		other
12	Generational replacement of one third of cabinets and subscriber cards (analogue)	2,500.00							2,500.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
13	Renewal of backup servers phase 1/2 and 2/2	1,200.00	1,200.00								
14	New data centre, own cooling, backup aggregate – retrofitting	6,000.00							6,000.00		Replacement of the Antonínská data centre complete renewal of outdated technology Item can also be financed from inv. contribution/FRIM from inv. contribution; subject to the approved BUT budget
15	New data centre, own cooling, backup aggregate	14,000.00							14,000.00		Replacement of the Antonínská data centre complete renewal of outdated technology Item can also be financed from inv. contribution/FRIM from inv. contribution; subject to the approved BUT budget
16	Optical route Tábor – Kraví hora	2,000.00							2,000.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
17	Installation of optical cable Kolejní 4 – Kolejní 2/A04	800.00							800.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
18	Improvement of fibre capacity on the route Veveří 95 – Kounicova 67a	700.00							700.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
19	DB server renewal	1,200.00							1,200.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
20	Air conditioning units (4th floor 14–18 indoor units, 5th floor 2–4 units for two double offices) + improvement of outdoor units	1,000.00							1,000.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
CIS BUT total		1,940.00	0.00	0.00	0.00	1,940.00	0.00	0.00	0.00	0.00	
1	Cluster of study servers	1,940.00				1,940.00					MEYS – National Recovery Plan project, SO: C3

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note	
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM		other
	FFA BUT total	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	3,200.00	0.00	
1	Industrial printer for direct digital printing on textiles 180cm wide	1,400.00							1,400.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
2	Cooperative robot for multi-axis 3D printing	1,800.00							1,800.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
	FA BUT total	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00	
1	Large milling and cutting CNC router	2,000.00							2,000.00		The item can also be financed from the inv. contribution/FRIM from the inv. contribution; it is subject to the approved BUT budget.
	CESA BUT total	90.00	0.00	0.00	85.50	0.00	0.00	0.00	4.50	0.00	
1	Biophysiological SW	90.00			85.50				4.50		
	FECC BUT total	1,845.00	340.00	0.00	0.00	630.00	0.00	0.00	875.00	0.00	
1	Equipment of laboratories of the Department of Theoretical and Experimental Electrical Engineering	340.00	340.00								
2	Renewal of instrumentation of the Department of Physics	875.00							875.00		
3	Supplementation of laboratory instruments of the Department of Microelectronics	630.00				630.00					

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note	
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM		other
	FME BUT total	23,188.00	0.00	0.00	0.00	23,188.00	0.00	0.00	0.00	0.00	
1	Investment educational equipment – NRP project	23,188.00				23,188.00					MEYS – National Recovery Plan
	FCE BUT total	12,946.00	0.00	0.00	3,932.00	3,029.00	0.00	0.00	5,985.00	0.00	
1	Bernese GNSS software upgrade	150.00							150.00		
2	Breakaway gauge DY model DY-216 (range 1.6 – 16.0 kN)	140.00				140.00					MEYS – National Recovery Plan; SO B – Creation of new study programmes in progressive fields (Nuclear Energy)
3	Laboratory equipment for the determination of mechanical properties of geomaterials	500.00							500.00		
4	Supply and installation of HVAC unit including ductwork in the physics laboratory building in the attic of Building D – replacement of existing installations	650.00							650.00		
5	Test bench for UV degradation	500.00							500.00		
6	X-sight M16 DIC System	1,225.00							1,225.00		
7	Sound meters	660.00			660.00						OP RDE – Project SPACE
8	Light intensity sensors+dataloggers	1,000.00			1,000.00						OP RDE – Project SPACE
9	Omnidirectional noise source, Step noise generating apparatus	247.00			247.00						OP RDE – Project SPACE
10	Brightness analyser, Digital SLR cameras for education	826.00			826.00						OP RDE – Project SPACE
11	Model water treatment plant	350.00							350.00		

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note	
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM		other
12	Portable dust parts monitor	110.00							110.00		
13	SW for AIU	161.00			161.00						Project SPACE, MEYS
14	3D laser scanner static + augmented reality glasses	1,038.00			1,038.00						MEYS – National Recovery Plan project, SO: A3
15	Complete renovation of multimedia classroom R229 for hybrid teaching.	248.00				248.00					MEYS – National Recovery Plan project, SO: B1
16	Multimedia classroom B226 for interactive on-line teaching	302.00				302.00					National Recovery Plan project, SO: B1
17	Adjustment of blackout equipment in selected classrooms	544.00				544.00					MEYS – National Recovery Plan project, SO: B1
18	Elements for reduced FAST backbone upgrade	2,500.00							2,500.00		
19	Data storage to support teaching of new subjects (INFORTREND DS 201 disk array)	605.00						605.00			MEYS – National Recovery Plan project, SO: B1
20	UPS for power backup. Smart-UPS SRTG Rack/Tower 10kVA backup power supply.	242.00						242.00			MEYS – National Recovery Plan project, SO: B1
21	Facilities of the water management equipment teaching laboratory	464.00						464.00			MEYS – National Recovery Plan project, SO: B1
22	Retrofitting of laboratories (technical improvement of equipment – THD + PST)	484.00						484.00			MEYS – National Recovery Plan project, SO: B1

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note	
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM		other
FBM BUT total		3,680.00	0.00	0.00	0.00	480.00	3,200.00	0.00	0.00	0.00	
1	Tunable laser sensor module	1,900.00					1,900.00				Optical fibre sensor science and research
2	Optical connector kit for teaching	480.00				480.00					Teaching about fibre optic systems with practical examples
3	Fibre optic welding set	450.00					450.00				Research, development and practical teaching
4	Oscilloscope 4-channel, 1 GHz width	850.00					850.00				Research, development
CEITEC BUT total		11,300.00	0.00	0.00	0.00	0.00	11,300.00	0.00	0.00	0.00	
1	Spectroscopic ellipsometry device	1,500.00					1,500.00				Research laboratory equipment
2	High frequency signal generator	2,500.00					2,500.00				Research laboratory equipment
3	Magnetron deposition system	6,000.00					6,000.00				Research laboratory equipment
4	Dynamic light scattering + Zetasizer	1,300.00					1,300.00				Research laboratory equipment
FCH BUT total		16,583.22	2,878.08	0.00	0.00	13,705.14	0.00	0.00	0.00	0.00	
1	Nano point scanner	975.26	169.26			806.00					MEYS – National Recovery Plan project, SO: B; VAT co-financing
2	Benchtop teaching NMR	3,633.63	630.63			3,003.00					MEYS – National Recovery Plan project, SO: B; VAT co-financing
3	Electromechanical universal testing machine	822.80	142.80			680.00					MEYS – National Recovery Plan project, SO: B; VAT co-financing
4	Vacuum evaporator – 2x	329.27	57.15			272.12					MEYS – National Recovery Plan project, SO: B; VAT co-financing
5	Incubated shaker – 2x	474.37	82.33			392.04					MEYS – National Recovery Plan project, SO: B; VAT co-financing

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM	
6	Nano spectrophotometer – 2x	655.58	113.78			541.80				MEYS – National Recovery Plan project, SO: B, VAT co-financing
7	Ultrasonic homogeniser – 2x	279.43	48.50			230.93				MEYS – National Recovery Plan project, SO: B, VAT co-financing
8	Instrument for measuring the contact angle	1,309.22	227.22			1,082.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
9	Optical interferometer	575.96	99.96			476.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
10	Small dryer – 6x	562.98	97.71			465.27				MEYS – National Recovery Plan project, SO: B, VAT co-financing
11	Dryer 240 l	122.86	21.32			101.54				MEYS – National Recovery Plan project, SO: B, VAT co-financing
12	Ultrasonic disperser	239.28	41.53			197.75				MEYS – National Recovery Plan project, SO: B, VAT co-financing
13	Rotational rheometer	83.66	14.52			69.14				MEYS – National Recovery Plan project, SO: B, VAT co-financing
14	Microtome	88.33	15.33			73.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
15	Automatic titrator	333.96	57.96			276.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
16	Corrosion multimeter	272.99	47.38			225.61				MEYS – National Recovery Plan project, SO: B, VAT co-financing
17	Laminar box	94.38	16.38			78.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
18	Hot plate	157.30	27.30			130.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
19	Incubated shaker with orbital motion	242.00	42.00			200.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
20	Centrifuge	242.00	42.00			200.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing
21	Automatic titrator	151.25	26.25			125.00				MEYS – National Recovery Plan project, SO: B, VAT co-financing

Component Item No	Name of equipment / item designation	Action costs (in CZK thousands)								Note		
		sum	inv. contribution / FRIM from inv. contribution	programme 133220	operational programmes	earmarked subsidies outside R&D	earmarked domestic R&D subsidies	earmarked foreign R&D subsidies	own resources – FRIM		other	
22	Microplate UV-VIS spectrophotometer	379.94	65.94			314.00					MEYS – National Recovery Plan project, SO: B; VAT co-financing	
23	Autoclave	182.71	31.71			151.00					MEYS – National Recovery Plan project, SO: B; VAT co-financing	
24	Automatic colony counter	278.30	48.30			230.00					MEYS – National Recovery Plan project, SO: B; VAT co-financing	
25	Volatile compounds analyser/ sample preparation for GC	1,391.50	241.50			1,150.00					MEYS – National Recovery Plan project, SO: B; VAT co-financing	
26	Modernisation of audio-visual technology in lecture halls including streaming – 2x	837.32	145.32			692.00					MEYS – National Recovery Plan project, SO: A1; VAT co-financing	
27	Biodegradation module	666.95	115.75			551.20					MEYS – National Recovery Plan project, SO: A3; VAT co-financing	
28	Membrane module	670.00	116.28			553.72					MEYS – National Recovery Plan project, SO: A3; VAT co-financing	
29	Water treatment module	530.00	91.98			438.02					MEYS – National Recovery Plan project, SO: A3; VAT co-financing	
FIT BUT total		13,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	4,000.00	0.00	
1	Quantum terminal	7,000.00			7,000.00							This is a high-end device for quantum communication over optical fibres. It is acquired for research and experiments with quantum data transfer. In general terms, the purchase of this device fits into the strategic intents of the BUT and FIT, specifically with a view to developing cybersecurity.
2	GPU production servers and CPU production servers	6,000.00			2,000.00					4,000.00		This is an annual continuous renewal of the faculty's computational power, which is used for teaching, student calculations (especially PhD students) and calculations necessary for project implementation.

Annex 2: Allocation of funds for the year 2023 for individual BUT priority objectives from the Programme to support strategic management of public higher education institutions for the years 2022–2025

The maximum amount of the annual contribution is CZK 84 790 450		Allocation of funds	Allocation according to MEYS
1.	Develop competencies directly relevant to life and practice in the 21st century	18,3%	
1.A	Support the development of employees' competencies for teaching and creating study programmes	6,0%	
1.B	Develop methods for quality assurance in education and for validation of learning outcomes	4,0%	
1.C	Strengthen the link between studies and practice and training for future employment	4,0%	
1.D	Further develop the professional profile of studies at BUT and strengthen its prestige	2,0%	
1.E	Support the building of infrastructure for interactive education methods of student integration	1,3%	
1.F	Evaluate the experience with the new accreditation model and, based on previous experience, propose its partial modifications	1,0%	
1.G	Strengthen the international dimension of higher education	0,0%	
2.	Improve the availability and relevance of flexible forms of education	17,0%	in total 1 + 2 min. 35%
2.A	Increase the use of distance learning methods in full-time study programmes	4,3%	
2.B	Strengthen the motivation to develop the offer and innovate methods of flexible forms of education, including online education	3,0%	
2.C	Ensure the quality of flexible forms of education, taking into account their specificity	2,3%	
2.D	Enable better reconciliation of studies with family and work life and create conditions for successful full-time and part-time studies	1,0%	
2.E	Improve the recognition of prior learning outcomes in further studies	1,0%	
2.G	Promote the offer of lifelong learning through career counselling provided to students and the general public, as well as in cooperation with the Labour Office of the Czech Republic	5,3%	
3.	Improve the efficiency and quality of doctoral studies	3,0%	
3.A	Provide students in full-time doctoral degree programmes with sufficient financial conditions for quality study	1,0%	
3.C	Improve the quality, openness and internationalisation of doctoral studies	1,0%	
3.D	Improve the conditions for successful study, including support for reconciling study and family life, and strengthen the social integration of doctoral students	1,0%	



5.	Build capacity for the strategic management of BUT	12,7%	
5.A	Create a financial instrument for the implementation of key strategic priorities	1,8%	
5.B	Strengthen strategic management at BUT	6,7%	
5.C	Support cooperation and exchange of experience between higher education institutions and the development of capacities for strategic management of BUT through meetings of management and professional staff and through roundtable discussions	1,0%	
5.D	Strengthen strategic human resources management at BUT	2,7%	
5.E	Open discussions on legislative changes	0,5%	
6.	Reduce the administrative burden on the staff of but so that they can fully pursue their mission	10,0%	
6.A	Simplify the transmission of information to public administration and improve the availability and circulation of information through the ongoing digitisation of agendas	5,0%	
6.C	Support the development of professional apparatus providing support services for academic staff and the operation of BUT	5,0%	
INTERNATIONALISATION OF BUT, in accordance with the objectives stated in the Internationalisation Strategy (BUT Strategic Plan – objective 1.G)		25,7%	min. 15%
OTHER PRIORITY OBJECTIVES OF BUT STRATEGIC PLAN, which are in accordance with the areas listed in the section "other important topics in higher education" of the STRATEGIC PLAN		13,3%	max. 20%
SHARE OF INVESTMENT EXPENDITURE IN THE TOTAL ALLOCATION		10,0%	
SHARE OF INTERNAL COMPETITION IN THE TOTAL ALLOCATION		0,0%	max. 10%
TOTAL		100,0%	

Note:

The allocation of funds is given for the entire four-year programming period 2022–2025.

Activities in the field of research, development and innovation, including capacity development and management in this area cannot be supported under the Programme.

