



**ĐẠI HỌC
BÁCH KHOA HÀ NỘI**
HANOI UNIVERSITY
OF SCIENCE AND TECHNOLOGY



ANNUAL REPORT 2023

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Prof. LE ANH TUAN
Chairman of the University Council

In 2023, Hanoi University of Science and Technology (HUST) made significant strides in developing and perfecting its university model in accordance with Decision No. 1512/QĐ-TTg dated December 2, 2022, by the Prime Minister on the transformation into a university model and the specialized Resolution No. 85-NQ/DU dated December 7, 2020, by the university's Party Committee on the organizational model transformation, building an autonomous and modern HUST model. By December 31, 2023, HUST's apparatus had been streamlined by 25% compared to before the restructuring.

The School of Materials Science and Engineering and the School of Chemistry and Life Sciences were established, along with the reorganization of administrative units, service units, and the preparation of legal documents to establish research units at the beginning of 2024, thereby fundamentally completing the management system of HUST. The establishment of the Center for Innovation and Student Entrepreneurship is an important step to complete the startup ecosystem at HUST. This center not only nurtures innovative ideas but also encourages and supports students in developing the necessary skills to turn ideas into practical products. The center also demonstrates HUST's commitment to training, nurturing, and transferring knowledge to serve society and the community.

The "Improving the Quality of Higher Education at HUST" project (SAHEP project), with a total investment of \$50 million, concluded successfully, significantly contributing to efforts to markedly improve the quality of education and research. The C7 building, with a total area of approximately 40,000 square meters, was inaugurated and put into

use on June 22, 2023, bringing a new look to HUST, adding study spaces, working rooms, 15 training laboratories, and 15 research laboratories to the existing modern laboratory system of HUST.

HUST continued to innovate enrollment methods and improve the Thinking Skills Assessment (TSA) exam, which was committed to by 18 higher education institutions as a method of enrollment with 20,000 candidates in 2023 and is expected to see a significant increase in the number of higher education institutions committed to using the results as well as in the number of candidates participating in 2024. HUST continued to show its commitment to maintaining and improving the quality of higher education with a significant milestone being the reaccreditation by the French High Council for Evaluation of Research and Higher Education (HCÉRES) in December 2023. At the level of educational programs, the university received accreditation for 16 programs from ASIIN, and external evaluations from AUN-QA for four programs, including two master's programs. These efforts also demonstrate the university's endeavor to apply international standards in governance and quality assurance.

HUST continued to implement many activities laying the foundation for the internationalization, typically participating in major political, economic, and educational cooperation events domestically and internationally. It organized and participated in many international scientific conferences and workshops, enhancing HUST's presence with international partners, and creating conditions to promote student and faculty exchange with international partners.

Amid challenges from the global educational and technological environment, HUST proactively adapted, focusing resources to complete seven key tasks with 25 targets set for 2023, closely following the goals and strategic development plan for 2017-2025. According to the 6 standards and 28 main criteria stated in Circular No. 01/2024/TT-BGDDT dated February 5, 2024, by the Ministry of Education and Training on issuing standards for higher education institutions, in 2023 HUST met 25/28 main criteria. The three criteria requiring further efforts in 2024 include criteria 1.4 (Degree of data management update

on HEMIS), 3.1 (Land area per student), 3.4.1 (Proportion of ready-to-teach online courses).

HUST continues to affirm its position and reputation as a leading higher education institution in Vietnam. The achievements in HUST's development from 2017-2023 are evaluated as a basis for adjusting plans, and target indicators for the 2023-2025 period and the next phase of the university's development strategy from 2025-2035.

Hanoi, June 2024

On behalf of the University Council
Chairman

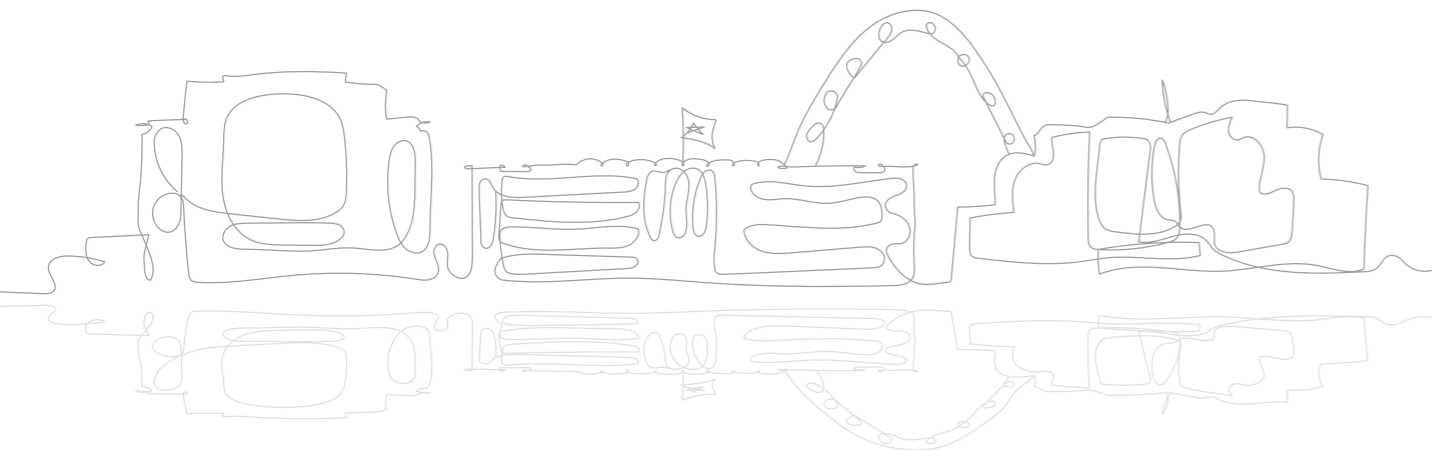


Prof. Le Anh Tuan

President



Assoc. Prof. Huynh Quyet Thang



Assoc. Prof. HUYNH QUYET THANG
President of HUST

MISSION

We commit to human development, high-quality education, scientific research, technological innovation and knowledge transfer for the betterment of our nation and society.

VISION

We strive to become the leading research university in which engineering, and technology are at the core of the university and to contribute to the development of the knowledge economy, peace and security, and Vietnam’s higher education.



<div>#301-400</div> <div>SDG8: Decent work and economic growth</div> <div></div>	<div>#201-300</div> <div>SDG7: Affordable and clean energy</div> <div></div>	<div>#248</div> <div>Best University in Asia</div> <div></div>
<div>#401-450</div> <div>Engineering and Technology</div> <div></div>	<div>#351-400</div> <div>Electrical and Electronic</div> <div></div>	<div>#401-450</div> <div>Mechanical, Aeronautical & Manufacturing</div> <div></div>
<div>#351-400</div> <div>Mathematics</div> <div></div>	<div>#401-410</div> <div>Materials Science</div> <div></div>	<div>#451-500</div> <div>Computer Science and Information System</div> <div></div>



PRIMARILY COMPLETING THE ORGANIZATIONAL STRUCTURE BASED ON THE RESTRUCTURED UNIVERSITY MODEL

In accordance with Decision No. 1512/QĐ-TTg dated December 2, 2022, by the Prime Minister on the transformation into a university model, HUST implemented a strong and comprehensive restructuring in 2023 with the goal of streamlining the apparatus and optimizing operational efficiency. This process included restructuring and establishing new educational, research, administrative, and service units, along with consolidating corresponding management positions.

Currently, HUST's organizational model includes 40 units under/affiliated with it: 6 schools, 4 specialized faculties, 3 basic science faculties, 6 research institutes; 1 office and 11 units which are centralized administrative departments; 8 service-support units and BK-Holdings company (Figure 1). The number of level - 2 units has been streamlined by 25% compared to 2020 (before the restructuring process).

HIGHLIGHT EVENTS AND ACTIVITIES IN 2023

1. Primarily Completing the Organizational Structure based on the restructured University Model
2. SAHEP Inauguration and Utilization of Building C7 under the SAHEP Project
3. Reaccreditation of Higher Education Institution According to HCÉRES Standards
4. Improvement and Standardization of the Thinking Skills Assessment (TSA)
5. Promoting Cooperation and Laying the Foundation for Internationalization

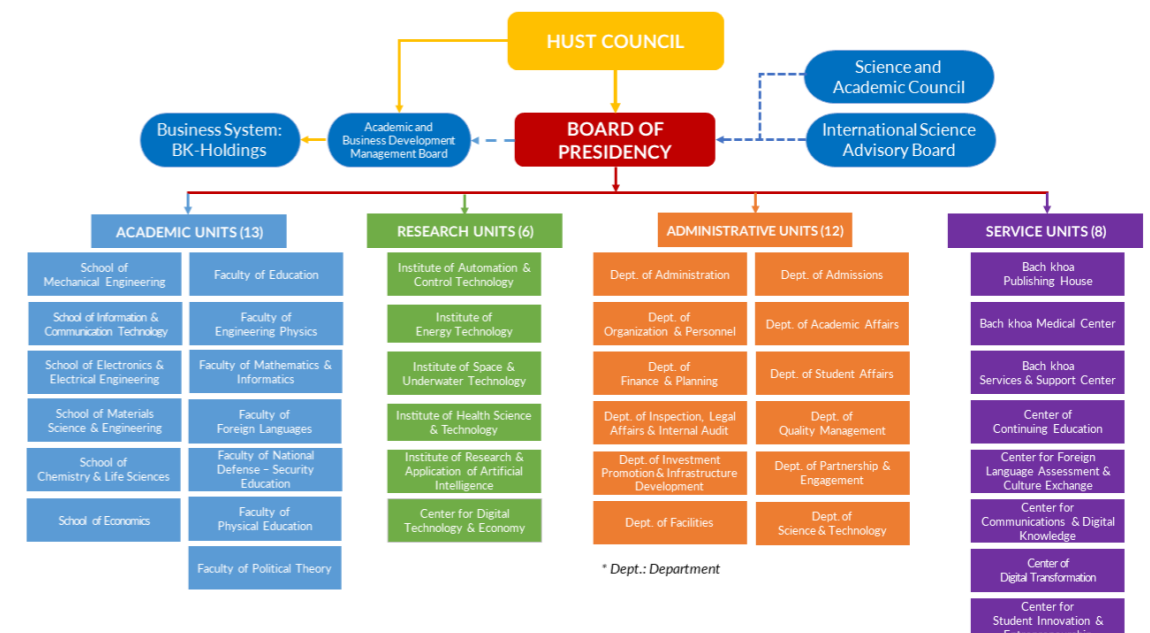


Figure 1: Organizational Model of HUST after restructuring by 2024

SAHEP INAUGURATION AND UTILIZATION OF BUILDING C7 UNDER THE SAHEP PROJECT

The “Support for Autonomous Higher Education Project for Vietnam” (SAHEP), funded by the World Bank, was successfully completed on schedule by June 30, 2023.

The SAHEP project had a total investment of nearly VND 1,200 billion, which included the construction of Building C7, the establishment of 15 training laboratories, and 15 research laboratories. This project stands as a testament to the university’s efforts to improve and upgrade its facilities, ensuring the quality of education and research as well as the effectiveness of university governance. The inauguration of Building C7, with an area of 40,000 square meters on June 22, 2023, expanded teaching and research spaces, supported the university’s restructuring and autonomy process,



and significantly contributed to enhancing the quality of education and research at HUST. The School of Mechanical Engineering, the School of Electronics and Electrical Engineering, the Faculty of Education, and the Faculty of Foreign Languages were allocated working spaces, functional rooms, laboratories, and lecture halls within Building C7. Additionally, the entire first floor and second floor of Building C7 is used for lecture halls for first- and second-year classes under the Elitech training programs.



REACCREDITATION OF HIGHER EDUCATION INSTITUTION ACCORDING TO HCÉRES STANDARDS



HUST has had its HCÉRES accreditation extended until the end of December 2023, and the HCÉRES organization has approved the second cycle of accreditation along with three other universities (Hanoi University of Civil Engineering, Danang University of Science and Technology, and Ho Chi Minh City University of Technology). The HCÉRES expert team conducted an external evaluation at the university on November 27-28, 2023. On April 10, 2024, HUST officially received the HCÉRES reaccreditation certificate for higher education institutions, valid until 2029.



At the educational program level, in 2023, the university received accreditation for 16 programs from the ASIIN organization and external evaluation for four programs by the AUN-QA organization, including two master’s programs. This brings the total number of accredited and evaluated programs by reputable international organizations (AUN-QA, CTI, ASIIN) to 42 programs.

IMPROVEMENT AND STANDARDIZATION OF THE THINKING SKILLS ASSESSMENT (TSA)

The TSA has been revised in structure towards a more scientific and concise format, facilitating online testing on computers and ensuring streamlined organization, allowing for multiple test sessions. The content has been improved with 100% multiple-choice questions, featuring various question types designed according to a thinking skills assessment scale. The exam consists of three sections: mathematical thinking (60 minutes), reading comprehension (30 minutes), and scientific thinking/problem-solving (60 minutes). These are three independent sections, with questions focused on assessing the candidates' thinking skills in each section, rather than testing subject-specific knowledge. The assessment of thinking skills is categorized into three levels: reproduction thinking, reasoning thinking, and higher-order thinking. The improved TSA aims to become one of the primary admission methods for HUST and several other higher education institutions.



In 2023, the TSA was conducted in three examination periods with approximately 20,000 candidates participating. The test results were used by 18 higher education institutions for admissions. In 2023, 22.3% of students admitted to HUST were selected based on their TSA results (Figure 2).

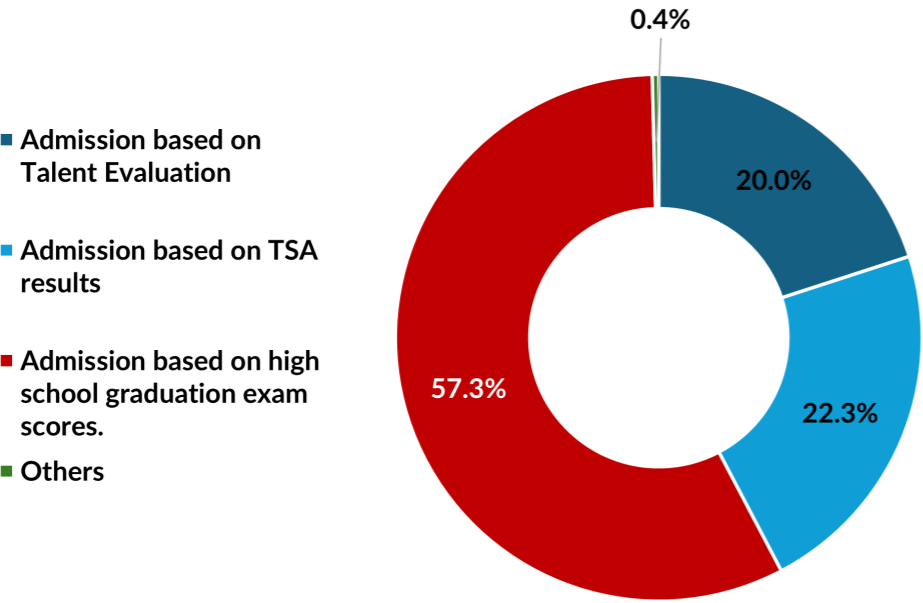


Figure 2: Undergraduate Enrollment Structure by Methods



PROMOTING COOPERATION AND LAYING THE FOUNDATION FOR INTERNATIONALIZATION

Cooperation activities have been promoted comprehensively, including building a network of close partners, diversifying approaches, and coordinating with businesses. Additionally, supporting and enhancing the effective functioning of the alumni network has created strong links between alumni, alumni businesses, and the university.

In accordance with the specialized Resolution No. 303-NQ/ĐU dated September 19, 2022, by the University Party Committee on the internationalization of HUST, in 2023, HUST implemented a wide range of activities to

lay the foundation for the internationalization process. Notable activities included participation in major political, economic, and educational cooperation events both domestically and internationally. These efforts have significantly enhanced the university's presence among businesses, domestic ministries, departments, and international partners. Several cooperation agreements with foreign partners were signed, forming the basis for the implementation of collaborative activities in training and research, alongside faculty and student exchanges, and the organization of conferences, seminars, and international job fairs.



RESULTS OF KEY TASKS IN 2023

1. Organizational structure, Management team, and University governance Platform
2. Quality assurance and Quality management
3. Training, Enrollment, and Enhancing Student Support Quality
4. Campus Infrastructure, Facilities, and Learning Environment
5. Scientific and Technological Activities, and Innovation Activities
6. Enterprise Collaboration and Internationalization Process

ORGANIZATIONAL STRUCTURE, MANAGEMENT TEAM, AND UNIVERSITY GOVERNANCE PLATFORM

Following the Prime Minister's Decision No. 1512/QĐ-TTg dated December 2, 2022, on transitioning to the restructured university model, HUST concentrated all resources in 2023 to successfully reorganize in compliance with the amendments to the Higher Education Law No. 34/2018/QH14 and Decree No. 99/2019/NĐ-CP.

On March 14, 2023, the Minister of Education and Training signed the decision to recognize the University Council, the Chairman of the Council, and the President of HUST for the term 2020-2025. On March 16, 2023, the University Council (UC) issued resolutions appointing the Vice-Chairman of the Council, Vice Presidents, Secretary of the Council, and Chief Accountant of HUST for the term 2020-2025.

Administrative, Service, and Support Units

In August 2023, the UC issued resolutions to establish 12 administrative units (University Office and 11 functional departments) and 8 service-support units by reorganizing previous departments/centers. To strengthen digital transformation, communication, and innovation - entrepreneurship across the university, three new units were established: the Center for Communications and Digital Knowledge, the Student Innovation and Entrepreneurship Center, and the Center of Digital Transformation.



Specialized Units

On March 29, 2023, the UC issued resolutions to establish the School of Materials Science and Engineering by merging the ITIMS Institute, the Institute of Science and Technology of Materials, the Institute of Textile - Leather and Fashion, and to establish the School of Chemical and Life Sciences by merging the Institute of Chemical Engineering, the Institute of Environmental Science and Technology, the Institute of Biotechnology and Food Technology, and the INAPRO Institute. On May 18, 2024, the School of Economics was established by reorganizing the School of Economics and Management according to Resolution No. 19/NQ-ĐHKB.

Additionally, four training institutes were converted to specialized faculties: Faculty of Education, Faculty of Foreign Languages, Faculty of Mathematics - Informatics, and Faculty of Engineering Physics.

By June 2024, the organizational model of HUST was essentially completed with five research institutes established based on previous research institutes/ centers: the Institute of Energy Technology, the Institute of Automation and Control Technology, the Institute of Health Science and Technology, the Center for Digital Technology and Economy, and the Institute of Research and Application of Artificial Intelligence. The Institute of Space

and Underwater Technology was approved by the University Council for development in the new phase according to HUST's governance model.

HUST has now essentially completed its restructuring into a new organizational model, including 12 central administrative units, 8 service-support units, 13 educational units (6 schools, 4 specialized faculties, 3 general faculties), 6 research units affiliated with the University, and the BK-Holdings Corporation. The number of secondary units has been streamlined by 25% compared to 2020 (before restructuring). HUST has built a solid foundation for the next development phase with the strategic goal of becoming a multidisciplinary research university with an advanced organizational and governance model, streamlined apparatus, increased autonomy, and creativity at the units. The university aims for strong decentralization without fragmentation, not creating member universities, and maintaining the development direction of *"Unity in Diversity, Diversity but Unified."*¹.



In 2023, along with restructuring according to the restructured university model, the training and capacity-building for governance for leadership and management staff at all levels was strengthened. Specifically, HUST sent staff to study intermediate and advanced political theory, organized strategic management training sessions in cooperation with educational experts and representatives from large enterprises on topics such as Digital Transformation in Education, Training Program Development,

and Breakthrough Policies for Higher Education Development.

Simultaneously, aiming to recruit and build a successor human resource ensuring sustainability in the school's development strategy, in 2023, alongside annual recruitment, HUST effectively implemented the "Attracting Excellent Lecturers" and "Developing Faculty Resources 2023-2030" projects.

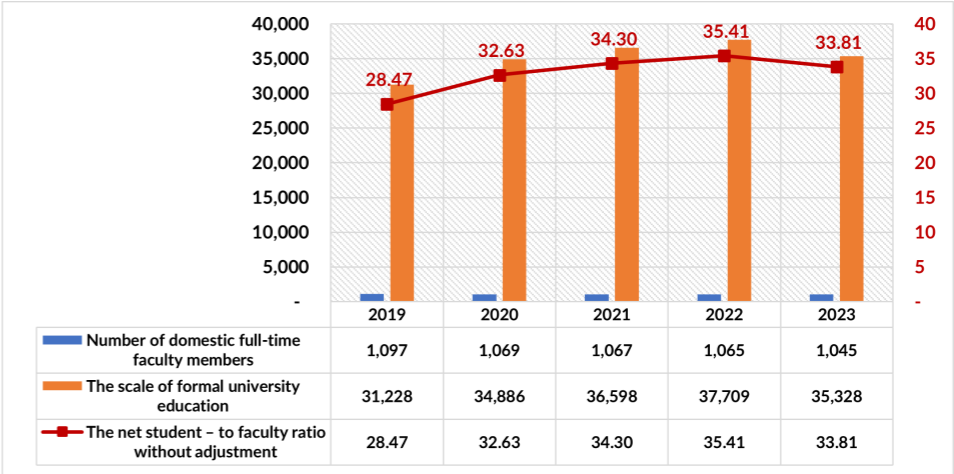


Figure 3: Student and Faculty Scale and Student-to-Faculty Ratio (no score adjustment)

Comparing with the criteria of Organization and Governance Standards and Faculty Standards (Standards 1 and 2) as per the higher education institution standards issued under Circular 01/2024/TT-BGDĐT, HUST has significantly exceeded the criteria for ensuring a qualified faculty team (Figure 3).

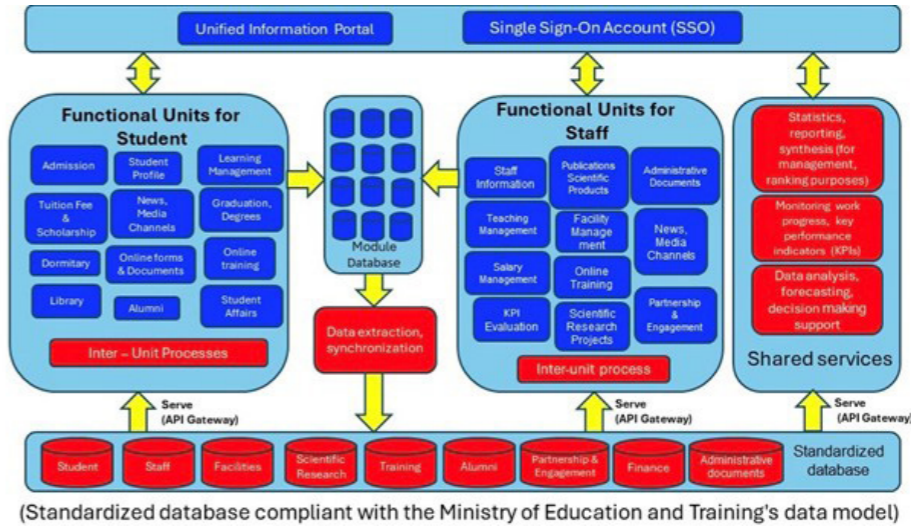


Figure 4: Overall architecture of the eHUST university management system

¹ Cited from directive speech of Mr. Nguyen Kim Son, member of the Central Committee of the Party, Minister of Education and Training at the working session with Hanoi University of Science and Technology on March 17, 2023.

In the context of enhancing governance capabilities on a digital platform, Hanoi University of Science and Technology (HUST) has upgraded its eHUST university management system to version 3.0 to diversify services, increase efficiency, and ensure transparency in operations (Figure 4). The new version includes several new features:

- Completed over 90% of the scientific management module tasks, including the submission, approval, monitoring, and acceptance of institution-level projects; the submission and approval of student research projects; scientific publication declarations; updating scientific publication databases directly from Scopus and Scimago sources in 2023, and moving towards testing the Crossref API system;
- Completed the transition of the system according to the new organizational model; developed additional recruitment tools and processes for international business trips;

- Successfully implemented digitally signed transcripts; Completed the integration of internal digital signatures, successfully implemented digitally signed transcripts, and integrated digital signatures for institution-level projects;
- Developed a new External Cooperation module to support the declaration and classification of scholar information, project programs, and business partners on the eHUST system.

IT infrastructure for university digital transformation has been prioritized with the addition of WIFI infrastructure for lecture halls and new investments in the HCI server system to support the stable operation of shared IT services and the deployment of digital learning resources on the new server platform.



QUALITY ASSURANCE AND QUALITY MANAGEMENT

Completing the external assessment with HCÉRES organization on November 27-28, 2023 and achieving 42 training programs accredited with reputable accreditation organizations are clear demonstrations of Hanoi University of Science and Technology's commitment to Build and maintain international education quality (Figure 5). These achievements not only affirm the position of Hanoi University of Science and Technology in the global higher education system but also demonstrate the university's continuous efforts in improving the quality of teaching, research and training high quality human resource for the country. These certifications create a solid foundation for Hanoi University of Science and Technology to continue to develop, aiming for greater success in the future.

At the program level, in 2023, HUST was accredited by ASIIN with European standards for 16 programs and received external evaluations for 4 programs by AUN-QA, including 2 master's programs. This brings the total number of programs accredited and evaluated by reputable international organizations (AUN-QA, CTI, ASIIN) to 42 programs.

In 2023, the management processes and operations at HUST were reviewed, updated, improved, standardized, and issued for the second time based on ISO 21001:2018 standards for educational organizations. The set of survey tools, measurement and evaluation tools, stakeholder feedback collection, and quality control processes following the PDCA cycle in various activities have been completed and will be implemented shortly to enhance the effectiveness of activity evaluations. Specifically, the university-wide survey forms to collect feedback from stakeholders on scientific research and innovation activities, remuneration policies, and the working environment for staff

have been completed and issued. The survey processes for academic programs, including 10 survey forms for undergraduate and 5 for master's programs, have been developed and issued. The performance evaluation indicators for HUST, units, and individuals are currently being developed and will be issued soon.

The university has also guided and supported the Quality Assurance Teams of secondary units in developing survey forms, conducting surveys, and analyzing results to ensure and improve the quality of unit activities

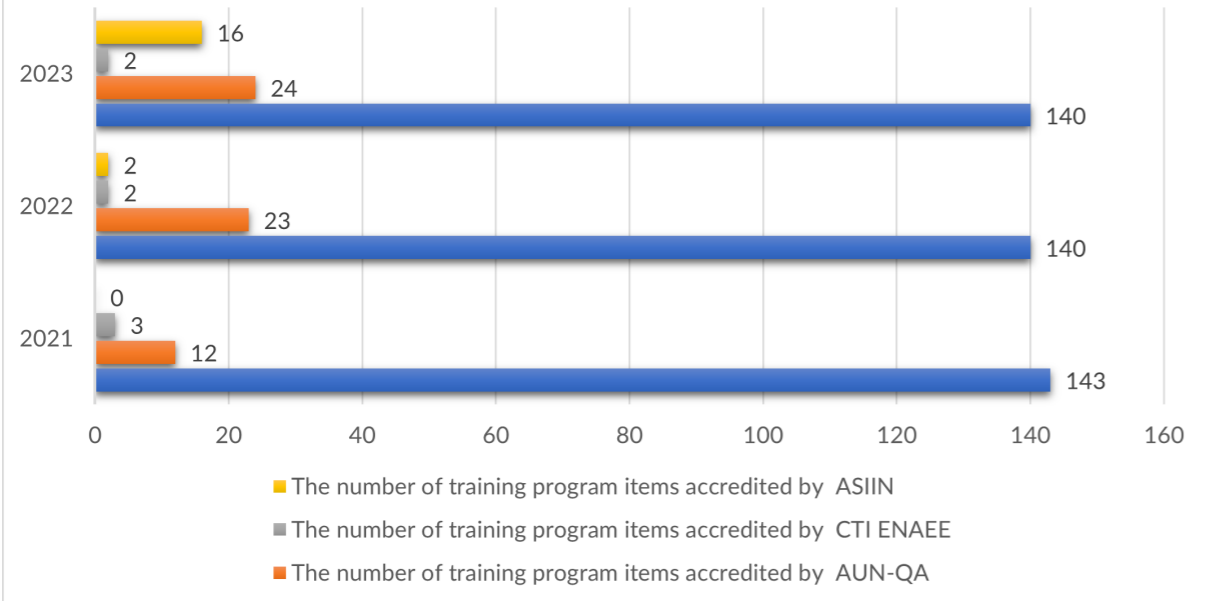


Figure 5: Accreditation of Undergraduate Programs 2021-2023



TRAINING, ENROLLMENT
AND ENHANCING
STUDENT SUPPORT
QUALITY

Development and Enhancement of
Academic Programs

In 2023, HUST introduced 4 new training programs: Energy Management, Microelectronics Engineering & Nanotechnology, Biotechnical Engineering (EliTech), and Materials Technology, Polymer & Composite Materials, to meet the demand for high- quality human resources in emerging and key industries of the country.

In July 2023, the workshop “Development of HUST’s Training Programs 2017-2023” was organized to summarize and evaluate the development and implementation results of training programs. The workshop included a special training session on “Accreditation, Development, and Operation of CDIO - Oriented Programs.” The discussions resulted in strategic tasks to be implemented by 2025 to strongly improve the programs towards international integration.

In addition to innovating training programs, HUST has focused on updating teaching and assessment methods to meet the needs of students in the modern era. Accordingly, the teaching and assessment methods for foundational courses in Mathematics, Physics, Chemistry, and Political Theory have been updated. This includes modernizing the way assignments and tutorials are conducted, applying digital assessment methods, increasing practical and experimental group sessions, and updating experimental content. However, these efforts need to be further strengthened to enhance student satisfaction, especially in practical and experimental courses, particularly in units teaching foundational courses.



Admission Activities

Undergraduate enrollment at HUST has undergone significant innovation in its implementation, aiming to attract top candidates to study at the university. The registration figures for 2023 reached an all - time high. Specifically, over 34,000 candidates registered for admission to HUST; all 63 training programs had an application - to-enrollment ratio of at least 400%. The percentage of university admissions through talent selection methods surpassed 20%. The solutions implemented include:

- Enhancing the efficiency of direct enrollment consulting in local areas by analyzing enrollment data to identify target groups based on local human resource needs and the demands of businesses. Additionally, the university proactively surveyed students and parents to gauge their interest in training programs.



- The TSA exam has been improved, with adjustments to its structure for brevity, facilitating online examinations to ensure streamlined organization, capable of multiple phases and sessions; content has been revamped with 100% multiple-choice questions, featuring various question types aligned with cognitive assessment scales.
- Enrollment communication efforts were diversified through multiple methods: counseling on fan pages, email to students participating in talent selection and the TSA exam; extensive media advertising campaigns; collaboration with major organizations and media outlets for communication about trial and official exams, career orientation and enrollment counseling seminars, and recording guidance for the TSA exam; creating highlight information for each training program.
- Career guidance efforts were strengthened to allow early access to high school students, creating a pool of talented students and increasing HUST’s visibility. Consequently, HUST organized several STEM activities for high school students, such as collaborating with Steam for Vietnam to organize the Train the Trainer program and the Year of Robotics; and various STEM experience programs on campus.

Graduate enrollment was carried out through a selection process with continuous recruitment throughout the year, announcing admissions and enrollment for master’s students monthly, clear time frames facilitating a smoother admissions process for applicants. Graduate enrollment communication focused on scholarship opportunities for students: the lecturer training project, Project 89; scholarships from businesses and organizations. Counseling for current HUST students on postgraduate study opportunities, scholarships, and career prospects was also enhanced through end-of-term civic engagement sessions. The 2023 graduate enrollment results showed growth in certain units, but the overall scale of postgraduate training continued to decline from 2019 to 2023, representing a small portion of the total university training scale (Figure 6).

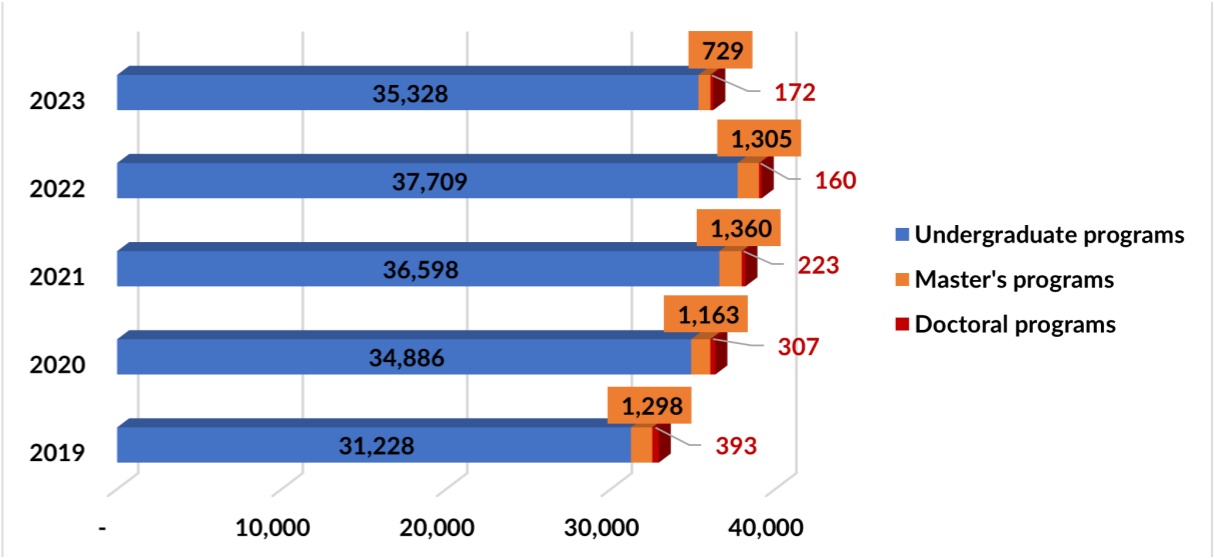


Figure 6: Training Scale from 2019 to 2023

Enhancing Quality of Student Support

The implementation of the project to support and counsel students' learning and psychological needs has successfully organized an average of 3 support activities, attracting 500 student participants weekly. These activities involve support and training provided by class management

officers, ensuring that 100% of students who request counseling receive personalized one-on-one advice. Additionally, 15 extracurricular clubs aimed at developing students' soft skills are supported in organizing professional and effective activities.

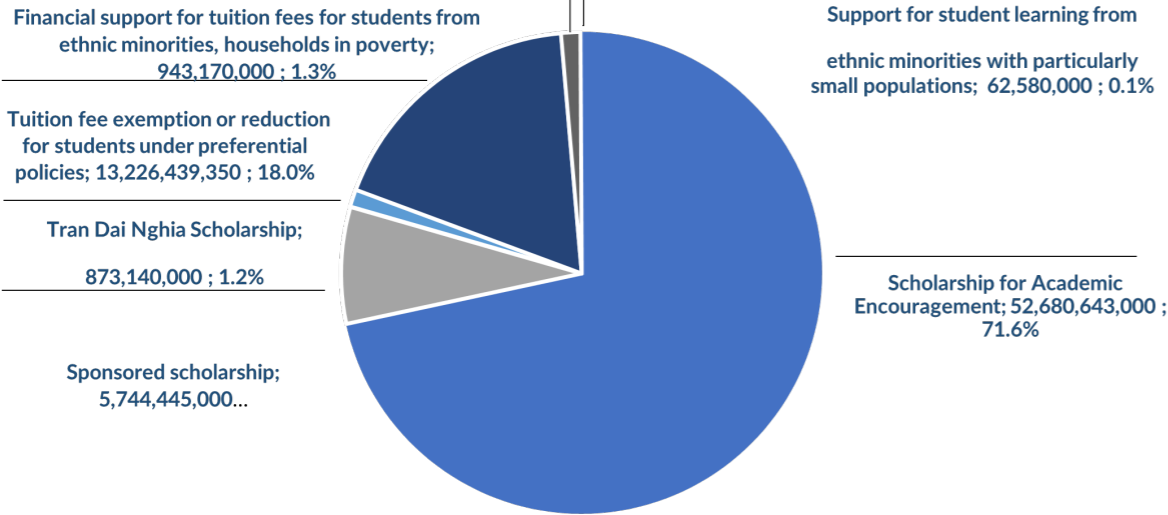


Figure 7: Student Scholarship Structure in 2023

In addition to implementing scholarships according to state regulations, over the past year HUST has significantly enhanced efforts to attract sponsored scholarships from enterprises and organizations closely connected such as Lotte Group, EVN Group, Đinh Thiên Ly Fund, Bach Khoa Wings Fund, Kumho Company, and new partners like Nghi Son Oil Refinery Company, Toshiba Company, Exness, and BOSCH. The total budget for corporate scholarships awarded amounted to approximately 5.7 billion VND (Figure 7), marking an 83% increase compared to the previous academic year.

Alongside financial scholarships, the university also offers Japanese language course scholarships sponsored by Shiga Prefecture and facilitates procedures for 12 students to visit and intern in Japan. It organizes soft skills courses for students under the Merali scholarship, AES-TKV scholarship, and implements internships abroad sponsored by Posco Company.



CAMPUS INFRASTRUCTURE FACILITIES, AND LEARNING ENVIRONMENT

With the motto “learners are the center,” in 2023, the university made efforts to improve the teaching, learning, and student support environment. The total floor area renovated, repaired, or put into new use for teaching, research, and student support in 2023 reached 9,006 m², an 84.9% increase compared to 2022 (Figure 8). Key improvements include:

- HUST-MB Digital Hub Building: Newly constructed and inaugurated on November 29, 2023;
- 39 classrooms, lecture halls and 23 group study rooms for undergraduate and graduate students newly invested and modern, with a total area of 3,935m² on the 1st and 2nd floors of building C7, have been put into use since December 1, 2023;
- Bach Khoa Gymnasium and B8 Dormitory have been modernly renovated and put into use;
- The projects for the Renovation of Building T – Integrated Technology Practice Center and the Renovation of Tran Dai Nghia Square have completed their documentation and are scheduled for implementation in 2024;
- Buildings No. 3 and No. 5 in Alley 15 on Ta Quang Buu Street have been newly renovated into the Vietnam-Japan collaborative research area, serving the projects “Enhancing Well being Research Capacity for Hanoi University of Science and Technology” and “Innovating Natural Rubber Science and Technology for the Global Carbon Cycle.”;
- Building C7, part of the SAHEP project, with 15 training laboratories and 15 research laboratories in the fields of Electrical Engineering, Electronics, Mechanical Engineering, Mechatronics, and Materials Science, with a total budget of 270 billion VND, has been put into use. The finalization and settlement procedures for the building construction packages and equipment supply have been completed according to the committed schedule.



In terms of spatial planning for units, School of Mechanical Engineering, School of Information and Communication Technology, School of Electronics and Electrical Engineering, Faculty of Foreign Languages, and Faculty of Education have stabilized their working locations in C7 and B1 buildings. The work locations for administrative units have been established in buildings C1 and C1B. The locations for other specialized units have also been appropriately determined, with plans expected to be finalized in 2024 and implemented in 2024-2025.

Regarding information technology infrastructure, the Project for IT Infrastructure Development and Digital Transformation at Hanoi University of Science and Technology for the period 2022-2027 has been approved. Accordingly, new high-performance Wi-Fi systems have been deployed in buildings TC, T, D8, the 1st and 2nd floors of building C7, and the 1st to 5th floors of the Ta Quang Buu Library Building, meeting the growing needs of staff and students. The project to build a Cloud Computing system for IT services to meet the digital transformation needs of the university for the period 2022-2025, based on Hyper-Converged Infrastructure (HCI), has completed its first phase. Additionally, the offices serving the development of digital learning materials and online courses are also being renovated and modernized.

The preparation for investment in the branch campus of Hanoi University of Science and Technology in Hung Yen province is being urgently implemented. This includes the following



tasks: the implementation of the “Consultancy for Contour Control and 1:500 Scale Topographic Map Drawing and Boundary Marking” package, and the “Consultancy for Planning Assignment and Detailed Planning Design for Zone II of Hanoi University of Science and Technology - 1:500 Scale” package. The planning task for the branch campus in Hung Yen province has been submitted to the Hung Yen Department of Construction for approval. Additionally, the investment proposal and feasibility study report for the project are also being developed and are expected to be completed by December 2024 for submission to the Ministry of Education and Training and approval by the Government.

In compliance with the standards for infrastructure as per Directive 01/2024/TT-BGDĐT, the floor area per student across the university has reached 5.0m²/student, nearly doubling the criteria of 3.1. This underscores the university’s substantial investment in educational infrastructure. University leadership strives to achieve 100% of faculty having individual workspaces by 2025 to enhance the working environment for maximizing research and teaching capabilities.



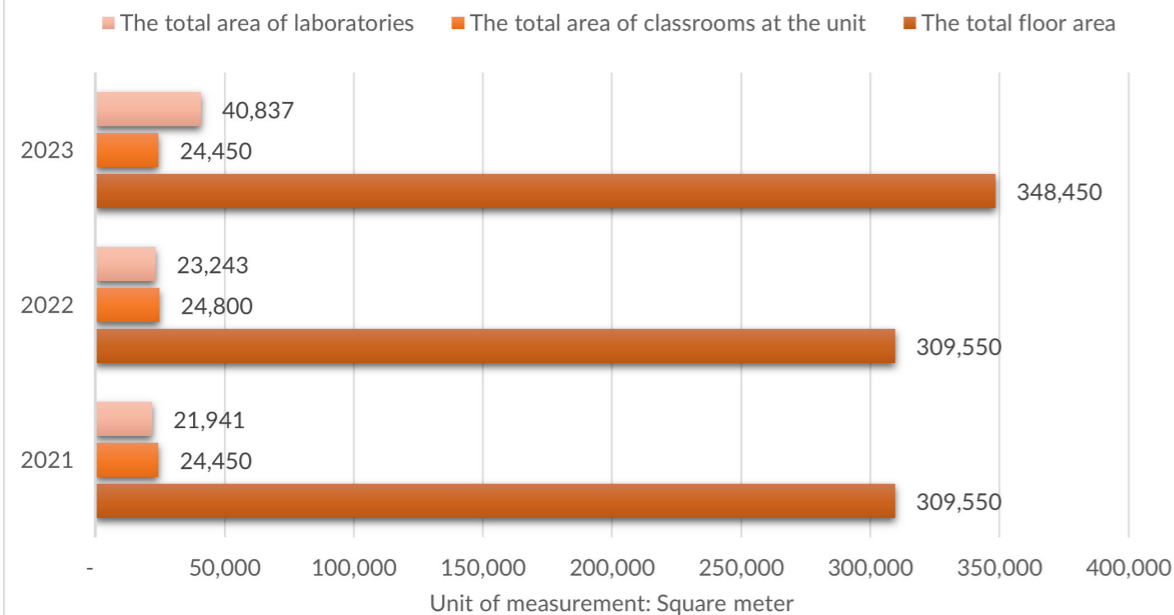


Figure 8: Scale of classroom and laboratory area



SCIENTIFIC AND TECHNOLOGICAL ACTIVITIES, AND INNOVATION ACTIVITIES

Scientific and Technological Activities

In 2023, HUST finalized the organizational model and internal legal framework for scientific and technological (S&T) activities based on adjusting the Regulations on the Organization and Operation of Research Laboratories to comply with Decree 109/2022/NĐ-CP and internal financial management regulations of HUST. The development project for strong research groups and centers of excellence for the period 2023-2028 has been completed and awaits approval. As part of this initiative, the university President has issued decisions to establish 02 Research Laboratories in the fields of Biotechnology-Food Technology, 13 Research Laboratories under School of Electronics and Electrical Engineering, and continues the assessment process for approval to establish research centers under the School of Mechanical Engineering, School of Materials Science and Engineering, School of Chemistry and Life Sciences.

Additionally, regulations for selecting, implementing, and evaluating basic-level research projects have been adjusted to create mechanisms for attracting external resources to participate in university activities. Innovations include increasing

funding for joint projects, enhancing financial support for international scientific research publications, patent registrations, useful inventions, conference participation fees, and encouraging enterprise participation through increased corresponding funds. Additional project topics for faculty members are being added as part of the HUST Faculty Source Development Project.

To increase funding for scientific and technological activities, over the past year HUST continued to strengthen collaboration with international funding programs and foundations. In 2023, the total revenue from training and research collaboration activities reached nearly VND 18 billion (Figure 9). The university engaged in numerous cooperative activities with exemplary international research institutes and groups, such as:

- Signing a Memorandum of Understanding for research cooperation with the Vietnam-Korea Institute of Science and Technology (V-KIST); Establishment of the CNU- HUST Global Center in October 2023, aiming to bridge research and academic collaboration between the research groups of the two institutions.
- The research cooperation program on Net Zero with Australian experts began implementation in 2023 to fulfill the university's commitments in shifting key research directions towards renewable energy sources and sustainable development, supporting the government's target of achieving net zero emissions by 2030.



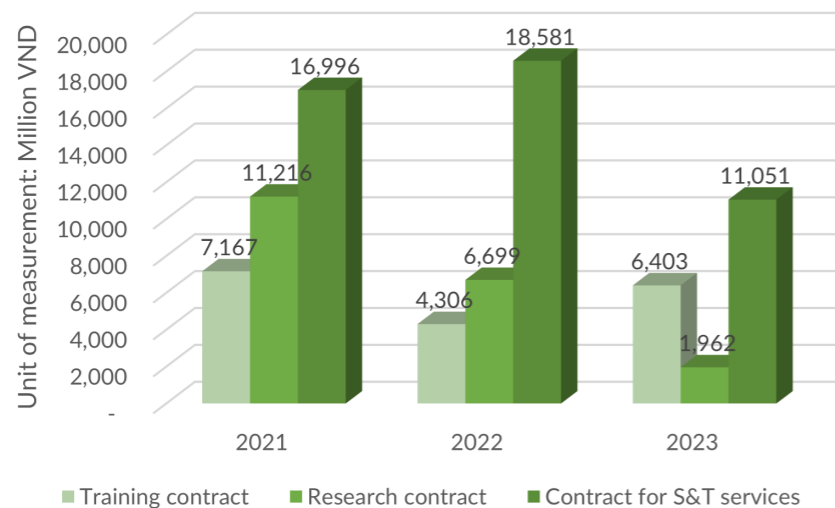
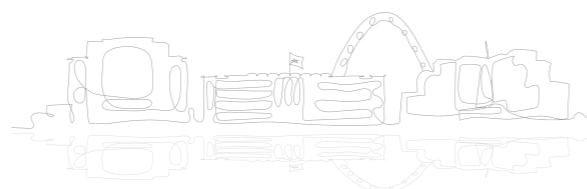


Figure 9: Revenue from training and research collaboration activities for the period 2021-2023

- The university continues to efficiently leverage funding from research funds such as the Asahi Glass Foundation, the British Council, the British Embassy, the United States Military, and USAID.
- The university also prioritizes collaboration with domestic academic partners. Hanoi University of Science and Technology has signed a Memorandum of Cooperation on the alliance for developing high-quality human resources in the semiconductor industry with leaders from Vietnam National University – Ho Chi Minh City, Vietnam National University – Hanoi City, University of Danang, and Posts and Telecommunications Institute of Technology. They are committed to actively cooperating with partners to shape research orientations in semiconductor technology at Hanoi University of Science and Technology. Collaboration between Hanoi University of Science and Technology and technical universities (G7/G28) and the National Innovation Center (NIC) continues to be promoted, including scientific conference activities, industry engagements, fostering partnerships with enterprises, and joint laboratory sharing programs.

Total revenue from scientific and technological activities at the university in 2023 reached nearly 40 billion VND, approaching the 5% target as per criteria 6.1 of Directive 01/2024/TT-BGDDT.



ĐẠI HỌC BÁCH KHOA HÀ NỘI

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY



ĐẠI HỌC BÁCH KHOA HÀ NỘI
HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

CUỘC THI SÁNG TẠO TRẺ 2023

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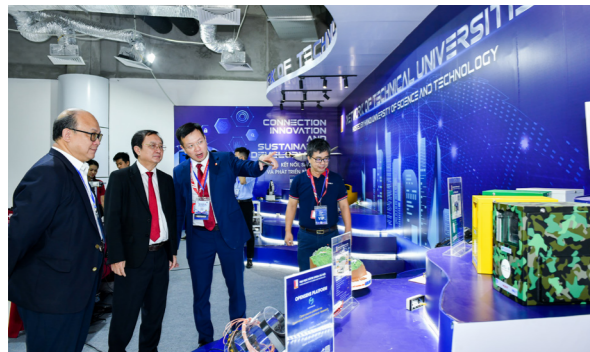
Promoting Creativity and Entrepreneurial Spirit of Learners

To equip students with knowledge and skills in entrepreneurship, ensuring that 100% of graduates are equipped with innovation and entrepreneurial knowledge, HUST introduced the course “Business Culture and Entrepreneurial Spirit” into the complementary curriculum for students from the academic year 2022-2023. Essential knowledge for post-graduation employment preparation was integrated into the civic engagement program for graduating students, supporting the organization of entrepreneurial activities through student innovation clubs in various fields. The Student Innovation and Entrepreneurship Center established by the University Council aimed to enhance the entrepreneurial ecosystem for students, fostering and encouraging innovative thinking among learners.

Additionally, inspirational entrepreneurship events, forums, and student innovation startup competitions (such as Bach Khoa Young Innovation, Techstart...) are regularly organized. The HUST Alumni Network collaborates with BK-Fund and alumni enterprises to continue implementing beneficial activities that guide and support entrepreneurial creativity for students. Notably, 3 series of the “BK Tech in Life” program attracted over 8,000 student participants. The 6th Young Innovation Competition 2023 attracted 39 projects from numerous participating students, including teams from various technical universities nationwide. HUST showcased nearly 40 products to introduce the scientific, technological, and innovative achievements of its faculty and students at the 2023 Capital Region Innovation and Entrepreneurship Day (Techfest Hanoi 2023) themed “Hanoi Connecting the Capital Region - Innovation and Development.”.

The Annual Student Research Conference for the academic year 2022-2023 was organized into 23 divisions, featuring a total of 353 projects completed by 1,079 students under the guidance of 411 faculty members. There were 199 selected presentation topics, 143 poster presentations, 11 other forms of presentations, and 100 practical products (an increase of over 20% compared to the academic year 2021-2022). The quantity and quality of student scientific research projects

continue to rise, with 404 publications involving student participation, including 126 publications in the WoS system and 137 in the Scopus system. Particularly notable are tangible research products with high scientific content and applicability. In the final round of the Ministry of Education and Training's Student Research Conference, all 12 HUST teams received awards: 5 Second Prizes, 3 Third Prizes, and 4 Encouragement Prizes.



ENTERPRISE COLLABORATION AND INTERNATIONALIZATION PROCESS

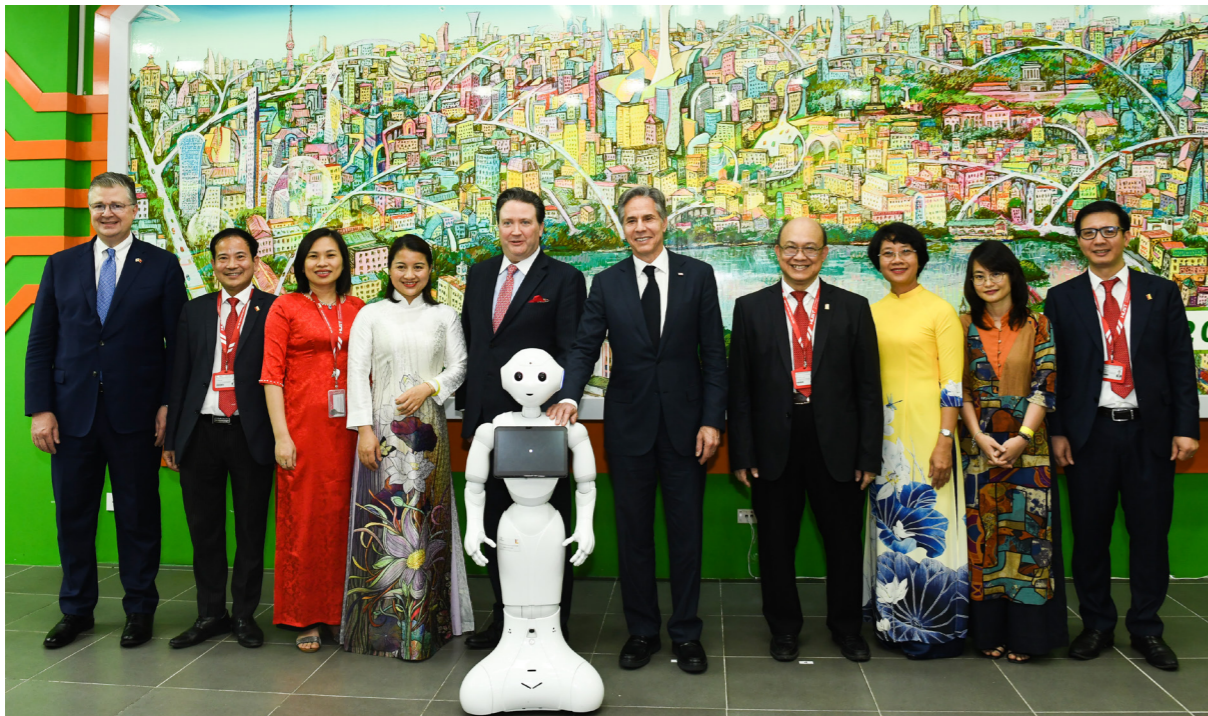
HUST has issued regulations on university partnerships, encompassing both business and academic partners, categorizing them into four levels of collaboration: Partner, Close Partner, Comprehensive Partner, and Strategic Partner. In 2023, total funding increased by 5 billion, equivalent to 5% than the amount in 2022 (Figure 10). Of which, funding mobilized from the business collaboration network increased by 5%, signaling a positive signal despite the challenges faced by businesses due to the economic and social conditions both domestically and internationally, with international organizations such as the IMF, World Bank, and OECD lowering their global economic growth projections for 2024 compared to 2023. Specialized units have actively built close business collaboration networks. For example, the School of Electronics and Electrical Engineering has established a network with over 70 companies for student internships, while the School of Information and Communication Technology has developed partnerships through its Innovation Center with more than 200 members, including leading Vietnamese technology and communication companies and international firms like NAVER, Duda IT, and Sun Asterisk.

Alongside close business partners, HUST proactively innovates and diversifies its approaches to collaborate with new enterprises in various ways to enhance its university's presence and position. This includes:

- Collaborating with provincial authorities and industrial zones in the Red River Delta, including partnerships with Hanoi Party Committee, Thai Nguyen Provincial People's Committee, Yen Bai Provincial People's Committee (in the G7 group), Hai Duong Industrial Zone, Hai Phong Industrial Zone



and Heza Haiphong Economic Zone. In the capital, HUST has contributed opinions at the preliminary review conference of the implementation of Program 07 by the Hanoi Party Committee, supported the development of research proposal topics under the Hanoi Department of Science and Technology within the key product series of Program 07, organized a group of experts to work with the leadership of the Hanoi Department of Science and Technology in developing the 'Capital Initiatives Network' project, support the development of 09 scientific research task proposals according to the 09 programs of the Hanoi Department of Science and Technology, coordinate the organization of activities for the Techfest Hanoi 2023 event, and the exhibition of intellectual property products chaired by the Hanoi Department of Science and Technology.



- Collaboration with foreign organizations and businesses (based in Vietnam), such as the Korean Business Association in Vietnam, LG Innotek, NAVER Group (Korea), Sun Asterisk Company (Japan), and AVL Company (Austria).

- Collaboration with domestic enterprises, particularly alumni-owned companies. HUST continues to effectively implement cooperation activities with alumni-owned businesses, such as collaborating with Viettel Group, HABECO Company and CSV enterprises to develop internship and recruitment programs; cooperate with EVN in researching the hydraulic speed control system. In addition, funding sources for upgrading facilities to support research and training have been actively explored, including the Alumni Building (with a total funding value of 3.6 billion VND) contributed by many individuals and groups of alumni, PVN Group sponsors the construction of laboratories to enhance research capacity and productivity; FPT Corporation and MB Military Bank respectively sponsor the construction of squares, buildings, and creative spaces worth 2 billion VND and 4.046 billion VND. Sponsorship projects by Phu My Fertilizer Company, PTSC Corporation, and FPT Group are being implemented. The Hanoi University

of Science and Technology Alumni Network abroad has been developed and expanded in Japan and the United Kingdom, contributing to promoting academic connections and corporate cooperation for staff and learners, while bringing mutual benefits to all parties involved.

In 2023, HUST also effectively implemented global exchange programs to enhance its presence and stature in the international arena. The programs are aimed at the following goals:

- Promoting student and faculty exchanges through direct, online, and blended formats. The number of students and faculty participating in international exchanges has rapidly increased over the years, from 1.2-3 times, following the removal of travel restrictions due to the COVID-19 pandemic. Consequently, the proportion of students engaging in international exchanges reached 150, accounting for 0.42% of the university's total scale.
- University leaders and management officials actively participated in major political, economic, and educational cooperation events both domestically and internationally, significantly enhancing the university's presence with business

sectors, domestic ministries, departments, and international partners. Noteworthy activities include hosting U.S. Secretary of State Antony Blinken's visit and work in April 2023, participating in the exchange of three bilateral and multilateral memoranda of understanding with four major South Korean enterprises, including Seoul Semiconductor Company, LG Innotek Vietnam Hai Phong Co., Ltd., Korea Industrial Technology Evaluation Institute (KEIT), and Korea Automotive Technology Institute (KATECH) at the Vietnam-Korea Business Forum during the state visit of the President of South Korea in June 2023, and hosting a delegation of Korean National Assembly members, KOICA Vietnam Office leadership.

- In its role as co-chair of the UK-Vietnam Higher Education Network, Hanoi University of Science and Technology continues to lead network members in actively contributing to the establishment of a reliable platform for Vietnamese and UK universities to exchange ideas and collaborate. From November 20-24, 2023, the President of Hanoi University of Science and Technology participated in the UK-Vietnam Chancellors' Forum in Edinburgh along with more than 60 higher education leaders from the UK and Vietnam.

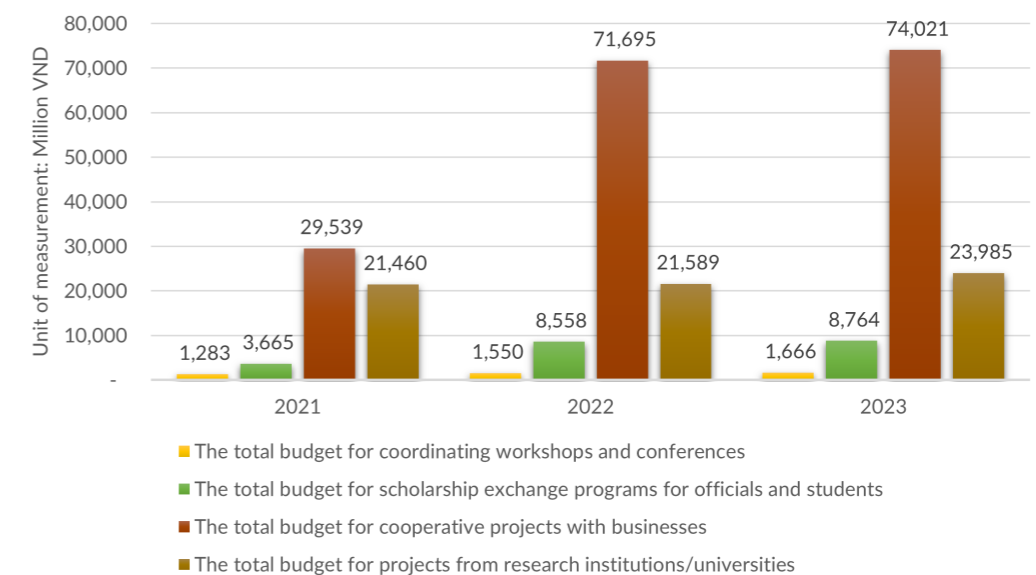


Figure 10: Statistics of resource extraction from international cooperation activities 2021-2023

01



1. TOTAL REVENUE

Unit: Million dong

No.	Content	Year 2022	Year 2023		Changing 2022-2023 (%)
			Amount	Ratio %	
1	State budget allocated for policy support and scientific research	34.302	35.828	1,9%	+4,45%
2	Budget allocated for investment	342.749	200.787	10,9%	-41,42%
3	Revenue from professional activities	969.213	1.526.960	83,0%	+57,55%
3.1	Revenue from training services activities	878.868	1.379.792	75,0%	+57,00%
a	Training activities	846.359	1.335.435	72,6%	+57,79%
b	Fees and charges	4.890	19.855	1,1%	+306,03%
c	Training services according to other contracts	5.731	6.403	0,3%	+11,73%
d	Sponsorship activities	21.888	18.099	1,0%	-17,31%
3.2	Revenue from facility and service utilization activities	89.777	146.739	8,0%	+63,45%
3.3	Other income	568	429	0,0%	-24,47%
4	Income from scientific research projects funded by local Departments of Science and Technology and Funds	78.968	75.035	4,1%	-4,98%
	Total	1.425.232	1.838.610	100%	+29,00%

2. OPERATING REVENUE

No.	Content	Percentage of total revenue (%)	Revenue for 2023 (million dong)
1	Undergraduate tuition fees	65,25%	1.199.773
2	Other tuition fees, charges, and training services	8,59%	157.943
3	Sponsorship activities	0,06%	1.059
4	Utilization of facilities and services	4,20%	77.289
5	Revenue from other activities	0,61%	11.182
	Total revenue from professional operations	79,00%	1.447.245

3. OPERATING EXPENSES

Unit: Million dong

No.	Content	Year 2022	Year 2023	Changing 2022-2023 (%)
1	Payments to individuals	610.554	629.180	+3,05%
1.1	Salary payments to officials, experts	578.769	593.457	+2,54%
1.2	Contributions based on salary	31.785	35.723	+12,39%
2	Payments to student support	72.749	127.900	+75,81%
3	Payments to facilities	69.028	102.654	+48,71%
4	Payments to services	26.939	37.472	+39,10%
5	Payments to professional majors and skills	84.337	101.623	+20,50%
6	Other payments	27.549	79.165	+187,36%
	Total of professional payments	891.156	1.077.994	+20,97%

4. FUNDS

Unit: Million dong

Identifier	Content	Beginning of the period	Revenue during the period	Budget used	Payments during the period	Payments during the period
353	Special Funds (Scholarships for academic encouragement, Scientific research fund, Student activity support, Support for beneficiary students of social welfare, Tran Dai Nghia scholarship, Scholarships from sponsorship activities)					
	Year 2022	158.010	123.808	281.818	81.756	200.061
	Year 2023	200.061	358.879	558.940	127.900	431.041
	Changing	26,61%	189,87%	98,33%	56,44%	115,45%
431	Funds (Reward Fund, Welfare Fund, Income Supplement Fund)					
	Year 2022	1.020.219	815.446	1.835.666	765.431	1.070.235
	Year 2023	1.070.235	880.250	1.950.485	652.198	1.298.287
	Changing	4,90%	7,95%	6,25%	-14,79%	21,31%
Total of the year 2022		1.178.229	939.254	2.117.483	847.187	1.270.296
Total of the year 2023		1.270.296	1.239.129	2.509.425	780.098	1.729.327
Changing 2022-2023		7,81%	31,93%	18,51%	-7,92%	23,73%



Standard 1. Organization and governance

No.	EVALUATION INDICATORS	THRESHOLD	REALITY	RESULTS
1.1	Number of months without key leadership	6	0	Achieved
1.2	The level of compliance with the Higher Education Law	100%	100%	Achieved
1.3	The rate of improvement in key operational indices	50%	87%	Achieved
1.4	The degree of data management updates on HEMIS	100%	69%	Unfulfilled

Standard 2. Lecturers

No.	EVALUATION INDICATORS	THRESHOLD	REALITY	RESULTS
2.1	The student-to-faculty ratio	40	38	Achieved
2.2	The ratio of permanent faculty within the working age range	70%	100%	Achieved
2.3	The percentage of faculty members with a doctoral degree	40%	77%	Achieved

Standard 3. Facilities

No.	EVALUATION INDICATORS	THRESHOLD	REALITY	RESULTS
3.1	Land area per student (m ²)	25	13	Unfulfilled
3.2.1	Floor area per student (m ²)	2,8	5,0	Achieved
3.2.2	The percentage of faculty with individual office space	70%	72%	Achieved
3.3.1	The number of books per field of study	40	2550	Achieved
3.3.2	The number of books per student	5	212	Achieved
3.4.1	The percentage of courses ready for online teaching (%)	10%	1%	Unfulfilled
3.4.2	Internet speed per 1,000 students (Mbps)	100	419	Achieved

Standard 4. Finance

No.	CHỈ SỐ ĐÁNH GIÁ	THRESHOLD	REALITY	RESULTS
4.1	The average activity margin over 3 years	0%; 30%	21%	Achieved
4.2	Sustainable growth index	0%	9,2%	Achieved

² Comparison based on evaluation criteria in accordance with the Standards for Higher Education issued in Circular No. 01/2024/TT-BGDĐT dated February 5, 2024 by the Ministry of Education and Training.



Standard 5. Enrollment and training

No.	EVALUATION INDICATORS	THRESHOLD	REALITY	RESULTS
5.1.1	The average admission rate over 3 years	50,0%	91,8%	Achieved
5.1.2	The ratio of changes in training scale over 3 years	-30,0%	-7,1%	Achieved
5.2.1	Dropout rate	10,0%	4,3%	Achieved
5.2.2	First-year dropout rate	15,0%	1,9%	Achieved
5.3.1	Graduation rate	60,0%	86,4%	Achieved
5.3.2	On-time graduation rate	40,0%	73,4%	Achieved
5.4.1	Student satisfaction rate with instructors	70,0%	85,2%	Achieved
5.4.2	Overall graduate satisfaction rate	70,0%	76,6%	Achieved
5.5	The percentage of graduates employed in their field of study	70,0%	85,4%	Achieved

Standard 6. Research and innovation

No.	EVALUATION INDICATORS	THRESHOLD	REALITY	RESULTS
6.1	The proportion of revenue from science and technology	5,0%	5,4%	Achieved
6.2	Number of scientific publications per faculty member	0,3	2,0	Achieved
6.3	Number of publications in WoS, Scopus per faculty member	0,3	1,1	Achieved

MEMBERS OF UNIVERSITY COUNCIL

Prof. Le Anh Tuan Chairman of University Council	Assoc. Prof. Huynh Quyet Thang President	Mr. Pham Quang Hung Director of International Cooperation Department, MOET
Dr. Bui Duc Hung Vice Chairman of University Council Chairman of the Trade Union	Assoc. Prof. Tran Ngoc Khiem Vice President	Mr. Tran Manh Hung Former Chairman of Vietnam Posts and Telecommunications Group
Assoc. Prof. Nguyen Viet Dung Secretary of University Council Vice Dean of School of Mechanical Engineering	Assoc. Prof. Nguyen Phong Dien Vice President	Mr. Pham Dinh Doan Chairman of Phu Thai Group
Assoc. Prof. Nguyen Huy Phuong Director Department of Facilities	Assoc. Prof. Huynh Dang Chinh Vice President	Mr. Le Tien Truong Chairman, Board of Directors, Vietnam National Textile and Garment Group
Assoc. Prof. Pho Thi Nguyen Hang Senior Lecturer, Faculty of Engineering Physics	MSc. La Thu Thuy Director Department of Finance and Planning	Mr. Duong Manh Son Chairman Board of Directors, Petro Vietnam Gas
Assoc. Prof. Nguyen Danh Nguyen Dean of School of Economics	Prof. Vu Van Yem Director Department of Organization and Personnel	Dr. Nguyen Quan Former member of the Central Committee of the Communist Party Former Minister of Ministry of Science and Technology President of HUST Alumni Association
Mr. Nguyen Tuan Hung President of Students Association Member of the Standing Committee of Ho Chi Minh Communist Youth Union at HUST	Assoc. Prof. Dinh Van Hai Director Center for Communications and Digital Knowledge	Mr. Ngo Que Lam General Director of Hanoi Beverage Company (Habeco)
		Mr. Ngo Son Hai Deputy General Director, Vietnam Electricity (EVN)
		Ms. Dinh Hoai Giang General Director of Secoin Building Material Corporation

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	Assoc. Prof. Huynh Quyet Thang President	
Assoc. Prof. Nguyen Phong Dien Vice President	Assoc. Prof. Huynh Dang Chinh Vice President	Assoc. Prof. Tran Ngoc Khiem Vice President

No.	Fullname	Position	Unit
I CENTRAL ADMINISTRATIVE UNITS			
1	Assoc. Prof. Le Minh Hoang	Director	Department of Administration
2	Prof. Vu Van Yem	Director	Department of Organization and Personnel
3	La Thu Thuy, MSc.	Director	Department of Finance and Planning
4	Dr. Pham Canh Huy	Director	Department of Investment Promotion and Infrastructure Development
5	Assoc. Prof. Ngo Chi Trung	Director	Department of Inspection, Legal Affairs and Internal Audit
6	Dr. Nguyen Thanh Hung	Director	Department of Academic Affairs
7	Assoc. Prof. Vu Duy Hai	Director	Department of Admissions
8	Assoc. Prof. Truong Viet Anh	Director	Department of Science and Technology
9	Assoc. Prof. Nguyen Dac Trung	Director	Department of Partnership and Engagement
10	Assoc. Prof. Pham Thanh Huyen	Director	Department of Student Affairs
11	Assoc. Prof. Nguyen Huy Phuong	Director	Department of Facilities
12	Assoc. Prof. Tran Trung Kien	Director	Department of Quality Management
II SERVICE AND SUPPORT UNITS			
1	Assoc. Prof. Nguyen Tien Dung	Director	Center of Continuing Education
2	Assoc. Prof. Dinh Van Hai	Director	Center for Communications and Digital Knowledge
3	Dr. Nguyen Nhat Hai	Director	Center of Digital Transformation
4	Assoc. Prof. Tran Ngoc Khiem	Vice President, in charge of the Center	Bach khoa Services and Support Center
5	Dr. Ngo Phuong Anh	Acting Director	Center for Foreign Languages Assessment and Culture Exchange
6	Dr. Truong Cong Tuan	Director	Center for Student Innovation and Entrepreneurship
7	Assoc. Prof. Bui Duc Hung	Director	Bach khoa Publishing House
8	Doctor Truong Huu Ninh	Director	Bach khoa Medical Center
III ACADEMIC UNITS			
1	Assoc. Prof. Truong Hoanh Son	Dean	School of Mechanical Engineering
2	Assoc. Prof. Ta Hai Tung	Dean	School of Information and Communicaton Technology
3	Assoc. Prof. Nguyen Huu Thanh	Dean	School of Electronics and Electrical Engineering

4	Assoc. Prof. Chu Ky Son	Dean	School of Chemistry and Life Sciences
5	GS. TS. Huỳnh Trung Hải	Dean	School of Materials Science and Engineering
6	Assoc. Prof. Nguyen Danh Nguyen	Dean	School of Economics
7	Dr. Nguyen Viet Khoa	Acting Dean	Faculty of Foreign Languages
8	Assoc. Prof. Le Hieu Hoc	Dean	Faculty of Education
9	Dr. Nguyen Canh Nam	Dean	Faculty of Mathematics and Informatics
10	Prof. Dr. Nguyen Huu Lam	Dean	Faculty of Engineering Physics
11	Dr. Dao Tien Dan	Dean	Faculty of Physical Education
12	Assoc. Prof. Dinh Thanh Xuan	Dean	Faculty of Political Theory
13	Colonel Nguyen Van Hoat	Dean	Faculty of National Defense - Security Education
IV RESEARCH UNITS			
1	Assoc. Prof. Nguyen Quang Dich	Director	Institute of Automation and Control Technology
2	Assoc. Prof. Dang Tran Tho	Director	Institute of Energy Technology
3	Assoc. Prof. Truong Quoc Phong	Director	Institute of Health Science and Technology
4	Dr. Dinh Tan Hung	Director	Institute of Space and Underwater Technology
5	Assoc. Prof. Nguyen Binh Minh	Director	Center for Digital Technology and Economy
6			Institute of Research and Application of Artificial Intelligence
V BUSINESS UNITS			
1	Assoc. Prof. Huynh Dang Chinh	Chairperson of the Board of Directors	BK-Holdings
2	Dr. Nguyen Trung Dung	Chief Executive Officer	BK-Holdings





1. SPONSORSHIP FOR INFRASTRUCTURE UPGRADES

No.	NAME OF SPONSORS (INDIVIDUALS/ORGANIZATIONS/BUSINESSES)	AMOUNT (VND)
1	Rikkeisoft Corporation	1.500.000.000
2	PetroVietnam Fertilizer and Chemicals Corporation (PVFCCo)	1.136.802.840
3	Hanoi Beer-Alcohol-Beverage Joint Stock Corporation (HABECO)	1.032.500.000
4	Vietnam Bank for Agriculture and Rural Development (Agribank)	600.000.000
5	FPT Software Company Limited (FPT Software)	400.000.000
6	Vietnam Electricity (EVN)	360.000.000
7	FPT Corporation (FPT Corp)	300.000.000
8	FPT Telecom Joint Stock Company (FPT Telecom)	190.000.000
TOTAL AMOUNT		5.519.302.840

2. SPONSORSHIP FOR RESEARCH AND POSTGRADUATE PROGRAM

No.	NAME OF SPONSORS (INDIVIDUALS/ORGANIZATIONS/BUSINESSES)	AMOUNT (VND)
1	Vingroup Innovation Foundation – VinIF	6.532.029.218
2	Naver Corporation	2.500.590.000
3	University Degli Studi Di Roma	1.022.048.337
4	Asahi Glass Foundation Fund	749.385.000
5	Covenchy University	735.451.753
6	Taiwan Businessmen Education Promotion Association	400.000.000
7	Daikin Industries, Ltd	340.000.000
8	Tay Bac A Technology Joint Stock Company	50.000.000
9	Novamed Vietnam	40.000.000
10	Golden Gate Medical Supplies Joint Stock Company	20.000.000
TOTAL AMOUNT		12.389.504.308

3. SPONSORSHIP FOR UNIVERSITY EDUCATION AND STUDENT SUPPORT ACTIVITIES

No.	NAME OF SPONSORS (INDIVIDUALS/ORGANIZATIONS/BUSINESSES)	AMOUNT (VND)
1	Samsung Electronics Vietnam Company Limited	1.122.000.000
2	Exness Global Limited	1.081.969.200
3	Chap Canh Foundation Social Company Limited	936.000.000
4	Mirae Asset Global Investments Co., Ltd	600.000.000
5	LG Display Vietnam Haiphong Company Limited	524.000.000
6	Vietnam Electricity (EVN)	500.000.000
7	LG Innotek Vietnam Haiphong Company Limited	500.000.000
8	PetroVietnam Fertilizer and Chemicals Corporation (PVFCCo)	400.000.000
9	NITORI Furniture Vietnam EPE	260.000.000
10	Toshiba Corporation	247.815.000
11	POSCO-VIETNAM Ltd., Co	239.570.000
12	Merali Foundation	230.000.000
13	Sumitomo Corporation	207.618.185
14	Bank for Foreign Trade of Vietnam (Vietcombank)	200.000.000
15	Lotte Scholarship Foundation	189.980.000
16	Nhat Minh Industrial Service And Trading Company Limited	76.000.000
17	Hanoi Branch - Daikin Air Conditioning (Vietnam) Joint Stock Company	75.000.000
18	Computer - Communication - Control 3C Incorporation	75.000.000
19	PetroVietnam Gas Joint Stock Corporation	50.000.000
20	Taikisha Vietnam Engineering Inc	50.000.000
21	Thanh An Engineering and Trade Company Limited	50.000.000
22	Me Tan Co., Ltd	50.000.000
23	Nhat Minh Engineering Co.,Ltd	50.000.000
24	Toyota Motor Vietnam Co., Ltd	48.000.000
25	Drimaes Company	47.782.000
26	KOVA Prize	40.000.000
27	Lawrence S. Ting Foundation	28.000.000
28	Daizo Tec Co., Ltd	27.120.000
29	Zeon Corporation	13.988.520
30	Intech Investment and Technology Joint Stock Company	10.000.000
TOTAL AMOUNT		7.929.842.905

4. SPONSORSHIP OF GOODS , PRODUCTS AND SERVICES

No.	NAME OF SPONSORS (INDIVIDUALS/ORGANIZATIONS/BUSINESSES)	SPONSORED PRODUCTS AND EQUIPMENT
1	Weldcom Industry Joint Stock Company	300 sets of protective workwear
2	ABB Automation and Electrification (Vietnam) Company Limited	Robot Station and RobotStudio Simulation Software Package
3	Nippon Sanso Vietnam Joint Stock Company - Hanoi Branch	Gar, GCO2 Cylinder Manifolds and piping
4	Megazone Vietnam Company Limited	AWS Cloud Service



HUST

**FOSTERING INNOVATION, EMPOWERING DIGITAL TRANSFORMATION
AND DRIVING GLOBAL INTEGRATION**

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