



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

ANNUAL REPORT

2020



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Hanoi University of Science and Technology (HUST) was founded according to Decree 147/NĐ dated March 6th, 1956 and has remained to be the leading technical university in Vietnam. Our noble mission is to provide quality engineering education for the society. Since the university's establishment in 1956, we have educated thousands of students to be core engineers in the course of nation defense and development. Our traditional day is October 15th which takes after the inauguration day of the first cohort in 1956.

HUST has always received high rankings in engineering and technology regionally and globally. Starting from 2011, HUST was one of the pioneers of the university autonomy project under Decision 1924/QĐ-TTg dated October 6th, 2016 of the Prime Minister. The university officially became autonomous under the Higher Education Revised Law No 34/2018/QH14 after being given accreditation by the High Council for Evaluation of Research and Higher Education (HCERES). With all the long-standing traditions and values, HUST is committed to work towards its mission, vision and strategic goals while being proactive in responding to the demands of global digital transformation and the Fourth Industrial Revolution.

The year 2020 marked the success of important events such as the 30th Party Congress of the University, the election of the University Council, and the Board of Management for the term 2020-2025. Crucial goals, targets, and projects to be achieved by 2025 have been outlined, serving as the foundation and guideline for the revision of the development strategy in the period of 2017-2025 and onwards.

Covid-19 pandemic has caused our university staff, lecturers, and students unprecedented experiences. However, such experiences have emphasized our resilience of working towards achieving our key goals and objectives. The outstanding figures and events of 2020 presented in this report will attest great efforts of the entire political system of the university, of the faculty members and students while reflecting tremendous support from other stakeholders.

Our university has thrived on its position, prestige, and influence in the country and in the region. These achievements are exemplified by our top enrollment results, the high graduate employment rate, and an increased number of publications in high ranking journals. Moreover, the well establishment and implementation of the regulations on autonomy and accountability and strategic investments in learning environment, research, and innovation greatly support the university to achieve significant success.

University autonomy goes hand in hand with transparent accountability. This transparency is reflected through our legal documents, the participation of internal and external stakeholders in the University Council, the Annual Report – a showcase of our responsibility for public and transparent governance activities throughout the year. The Annual Report also functions as the foundation for developing and adjusting the future development plans and strategies.

This Annual Report is our very first edition. The University Council and the Board of Management look forward to receiving suggestions from staff members, lecturers, students, alumni, the Ministry of Education and Training, and the whole society for our constant improvement.

Hanoi, August 2021

PRESIDENT

Associate Professor Huynh Quyet Thang

CHAIRMAN OF THE UNIVERSITY COUNCIL

Professor Le Anh Tuan





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.

HUST at a glance

Established in
1956
as the first technical university in Vietnam



Accredited by the High Council for Evaluation of Research and Higher Education (HCERES)



#251-300
Best universities in Asia



#351-400
Best universities in Electrical & Electronics Engineering; Mechanical, Aeronautical Engineering & Manufacturing

#451-500
Best universities in Computer Science & Information System, Mathematics



by subject | 2021

#801-1000
Best world universities



33% of Vietnam's top
1% high school students nationwide were admitted to HUST

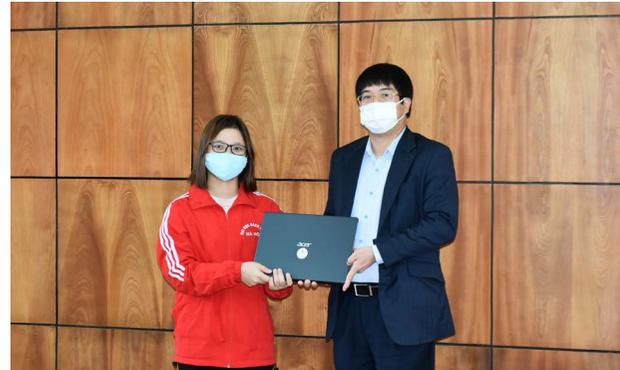


More than **250** higher education and research institutions,
150 domestic, global corporations and industry have been in collaboration with HUST



1. Timely response to COVID-19 and efficient support for the Central Region affected by natural disasters

Confronted with the complications of the Covid-19 epidemic, HUST has proactively planned teaching and learning in the context of epidemic prevention, while ensuring the quality of training as well as safety and well-being of learners, faculty and other staff members. Online teaching in the second semester of the 2019-2020 academic year was organized timely and effectively: in a short time, more than 4,000 theory and practice classes were transferred to online modes. Our students have received timely support from the University and businesses led by our alumni. Nearly 400 students have been provided with desktops to study online and nearly 6,000 students whose families are economically affected by the Covid-19 epidemic have been exempted from tuition fees.



HUST has also organized the production of antiseptic solutions and donated these to quarantine areas to prevent further spread of the virus, actively joining hands to protect our students and the community from swift developments of the pandemic. Thanks to the contribution of our staff members, we donated 200 million VND to the Covid-19 Prevention Fund via the Central Committee of the Vietnam Fatherland Front.

To support residents in the Central region, HUST has organised fundraising activities and donated equipment and teaching aids with a total value of nearly 500 million VND to two schools in Quang Tri. In October 2020, 50 million VND was transferred to the Party Committee of Hanoi Universities and Colleges in response to the campaign to support the victims of the historic floods and landslides; more than 300 students whose families were severely damaged by these natural tragedies were also partly or fully exempted from tuition fees.

2. Successful organisation of internal political events



Despite difficulties and turbulences resulted from the epidemic and natural disasters, HUST successfully organized a series of activities namely: the 30th Party Congress; the conference on electing members of the University Council for the term 2020-2025; the Appointment Ceremony for the positions of President of University and Chairman of the University Council; the Launching Ceremony of the 2nd University Council; and the 22nd Congress of the Student Union for the term 2020-2023. All the events demonstrate the spirit of unity, innovation, and breakthrough of the university.

3. Successful university admission in 2020

The university has shown strong autonomy to keep admission on the front burner. With improved regulations and solutions, we organized the 2020 university entrance examination safely and effectively and were able to attract numerous talents across the country. HUST continues to chair the northern admission group, affirming the leading role of HUST in the higher education system of Vietnam.



4. A boost to innovation



As the saying goes, adversity breeds creativity. Amid the nationwide lack of medical tools to help eliminate the spread of the virus and support the treatment, HUST researchers have invented many applicable solutions and/or devices to prevent the spread of the Covid-19 pandemics such as: quick virus test kit; negative pressure isolation stretcher; positive pressure chamber; fresh air breathing helmet; full-body mobile disinfection chambers; and BK-ventilators...etc. On the front of entrepreneurship, the University has launched the BKFund Innovation Fund, then successfully materialized a number of start-up ideas to incentivize an innovation ecosystem, affirming the University's No. 1 position of innovation and entrepreneurship among Vietnamese institution.

5. Standardization of academic programs

In accordance with the Law No. 34/2018/QH14 and the Decree 99/2019/NĐ-CP, HUST standardized the academic programs for bachelors and engineers (180 credits) in 2020. Especially, HUST signed the Agreement on June 27th 2020 to join forces with other 6 top engineering and technology universities in Vietnam towards improving the quality for higher education, and mutually recognizing their engineer training programs. This agreement evidences HUST's commitment to providing the most highly-qualified human resources for the needs of industrialization, modernization and development of the national knowledge economy.



1. Organization structure and governance

The 30th HUST's Party Congress was successfully organised. The Resolution of the congress set the development goals and objectives of the University by 2025 and thereby, shaping strategic plans and projects to achieve the goals.

The University also held the meeting to elect members of the University Council - Term II in the period of 2020-2025, the Board of Presidency in the period of 2020-2025 and other senior management positions.

All University's procedures have been reviewed, updated, streamlined and standardised; the number of governance and administration procedures have been reduced by more than 40% according to ISO-21001:2018.

Accounting and procurement tasks have been performed with efficiency, transparency and compliance with the law, supporting the university to achieve the goal of increasing revenue from financial activities.



2. Human resources development

HUST was successful in recruiting 15 young PhD faculty staff with high research performance from overseas, which contributes to the increase in the percentage of lecturers with doctorate degrees at 74%. In addition, 31 academic members have been appointed as 05 professors and 26 associate professors. These human resources achievements greatly support the university in affirming its long-standing academic prestige.

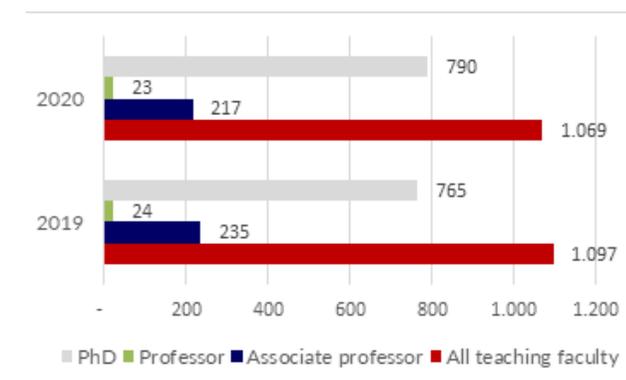


Figure 1: Composition of teaching faculty by titles

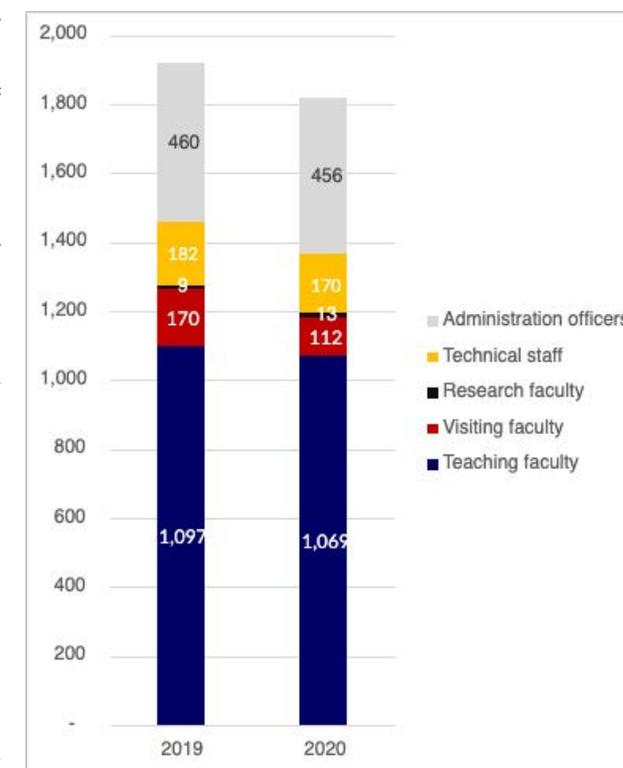


Figure 2: Composition of human resources

The salary policy has been well increasing in average 19% for all HUST employees. This levels up the employees motivation and cohesion, especially for the young members who are doing well in research.

The proposal of Project "Recruitment of high-performing researchers" has been almost completed and will be implemented in 2021.

The criteria to define faculty staff who achieved successful results in research and training have been developed and issued to honor faculty members with outstanding academic accomplishments.

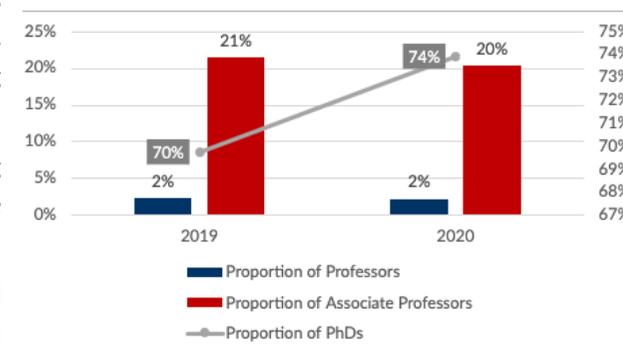


Figure 3: Proportion of faculty holding titles of Professors, Associate Professors and PhD degrees

3. Campus infrastructure and facilities

A roadmap for reconstruction of lecture halls and classrooms has been developed and implemented to meet with the demand in teaching and learning, as well as in the needs of new generation students.

- + The model lecture hall has been designed in a modern way. It is expected that in the period of 2021-2023, the lecture halls and classrooms will be renovated;
- + B-learning classrooms system” Project with a budget of more than 2 billion VND has been completed and taken effect.

A new investment project is now under construction with the view of building a dormitory in the form of socialization.

The procedures for implementation of some non-refundable ODA projects such as Phase 2 Rubber Project, Phase 2 Waste Recycling Project,... have been completed; “Support for Autonomous Higher Education Project (SAHEP)” has also been implemented on track, starting to showcase investment efficiency; at the same time, HUST makes effort to attract investment sources from the state budget and loans from foreign organizations such as the Asian Development Bank, the World Bank in order to upgrade facilities.



4. Training and admissions

The project “Development of training programs for the period 2017-2020 of Hanoi University of Science and Technology” has been completed with the following main tasks:

- + To approve and promulgate 31 integrated bachelor-master programs (newly built in 4+1.5 model);
- + To update and improve the content of 26 engineer programs (designated duration: 5 years): the program framework has been developed with 180 credits, reaching the national level 7 (equivalent to a master level);
- + To revamp the design of the EliTech programs on the basis of combining cross-disciplinary modules and encouraging multi-disciplinary projects.

The University and relevant academic schools also promote collaborations with businesses to explore opportunities for internship, factory visits, joint skills training courses... It is expected that such early exposure will help graduates gain not only the knowledge but also adaptability to the rapidly changing requirements of science and technology as well as ability to work in an international environment.

For 2020 admission, in addition to the traditional admission based on the academic results of the national high school examination, the University applied direct admission methods through interviews and Aptitude Tests. These new and innovative admission methods have received the attention and appreciation of the candidates and their parents, raising positive public interest.

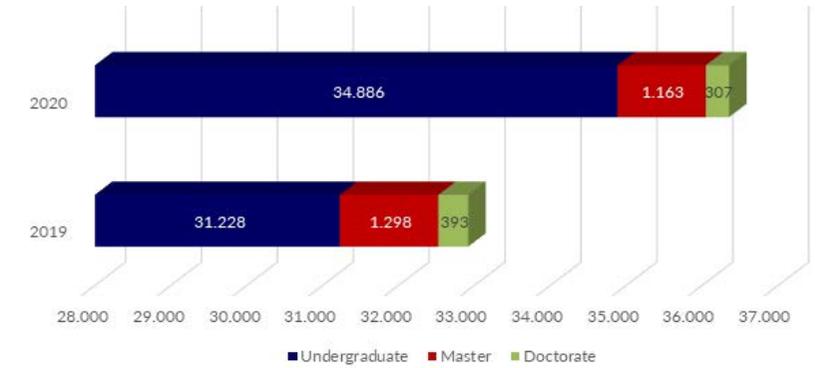


Figure 4: Academic Scale

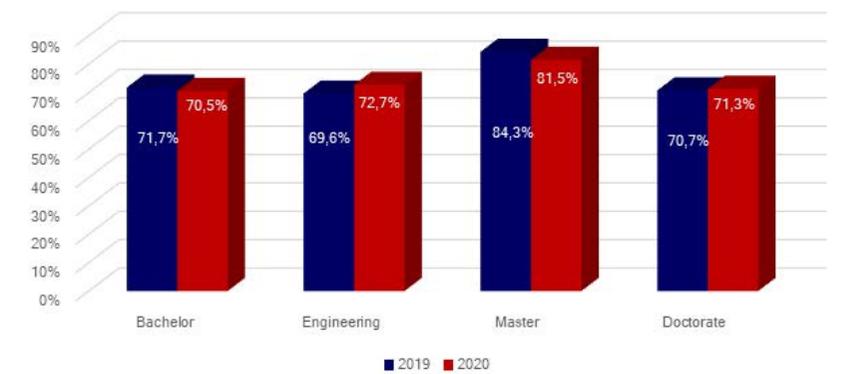


Figure 5: The graduation rates of full-time students

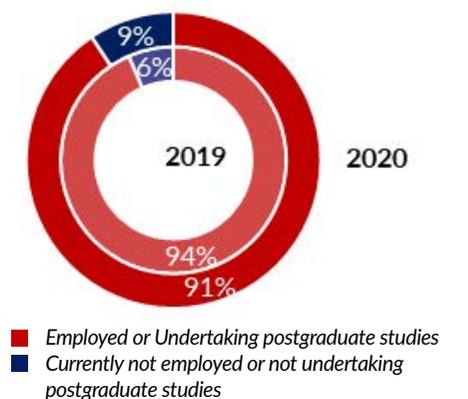


Figure 6: The proportion of graduates who are employed or continue to undertake postgraduate studies

65
Bachelor - Engineering programs
24 programs conducted in English

47
Master programs
2 programs conducted in English

32
Doctorate programs
10 programs conducted in English

5. Research impact

HUST scientific research achievements are shown by increased number of publications, especially publications in high ranking journals. In addition, since the start of the Covid-19 epidemic, HUST researchers and students have introduced applicable products for epidemic prevention and control.

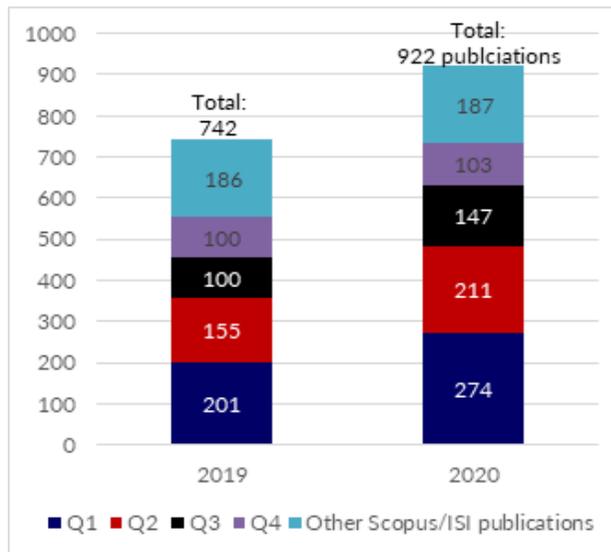


Figure 7: Scopus/ISI Scholarly output by CiteScore quartile. Source: SciVal, updated 23/06/2021

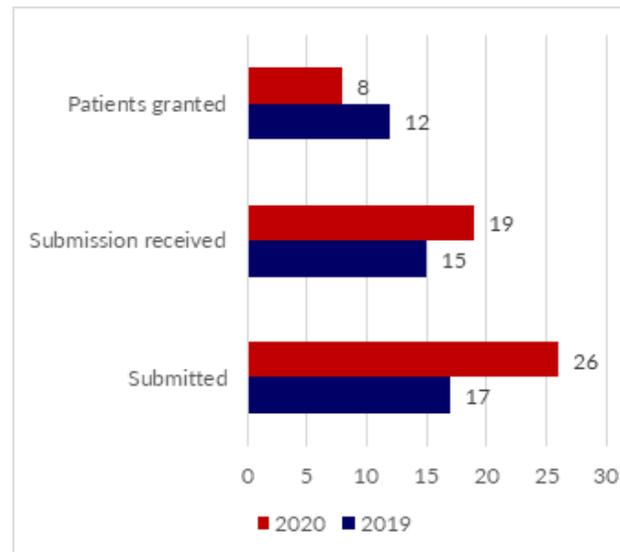


Figure 8: Patents and utility solutions

We have identified four priority areas of research: Robotics, Biomedical Engineering, Environmental Toxicology, and Pharmaceutical Chemistry, and developed proposals to attract investment to strengthen research capacity in these majors. The way forward is to encourage interdisciplinary research activities and the application of data science and artificial intelligence in these fields.

Regulations on organization and operation of research laboratories have been issued; seminars and workshops have been organized for the affiliates on the systematic planning of these laboratories.

BK-Holdings was selected to implement the activities related to Start-up and Innovation under Project 844 of the Ministry of Science and Technology, Project 1665 of the Ministry of Education and Training, and Project 4889 of the People's Committee of Hanoi. In 2020, BK-Holdings has successfully organized a number of training courses to improve the capacity of entrepreneurship support staff at universities, building a network of the staff and holding scientific seminars to connect the components in the startup ecosystem.



In this year, BK-Holdings was also voted Fastest Growing Investment and Technological Consultants by The Global Economics.

The Young Creators Contest has been organized for the third time this year, participation has been extended to students nationwide with full funding from VNPT Group. Through three rounds of competition, 10 best projects were selected, receiving expert mentorship and funding for final product development. The final round took place with an explosion in quality and media effects, heightening the spirit of entrepreneurship among the students.

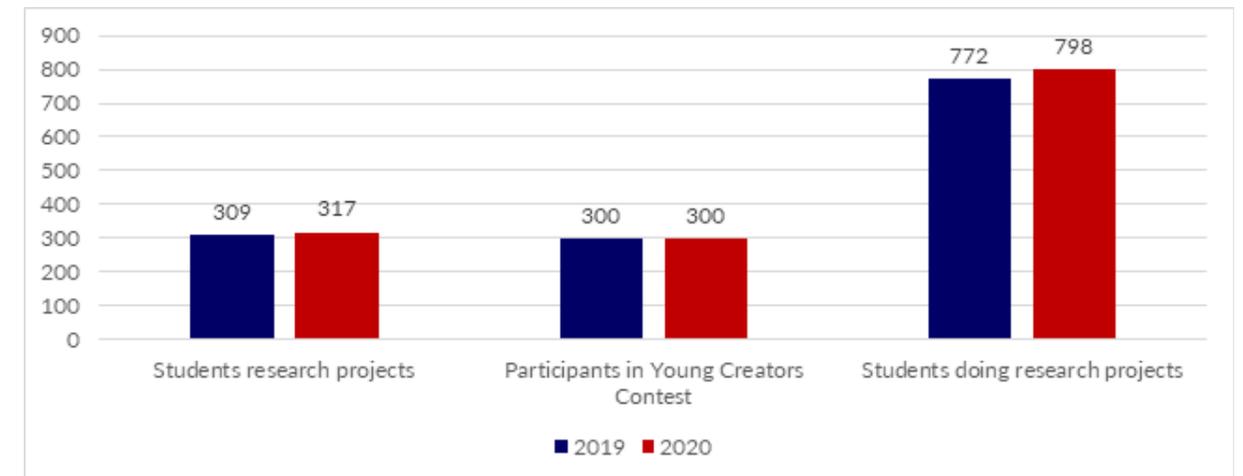


Figure 9: Notable results of students doing scientific research and projects

Thanks to solid support of the HUST Alumni Network, the Innovative Startup Investment Fund (BK-Fund) was established with a charter capital of 17.1 billion VND from the contributed capital of alumni and former staff with the aim to invest in small and medium innovative enterprises, in which priority is given to those of staff and students of HUST.

The Innovative Startup Investment Fund (BK-Fund) with a charter capital of **17.1 billion VND** is operated by HUST Alumni Network and BK-Holdings



6. Learner support

Career guidance and employability support for students in 2020 have proven effective, in spite of significant impact of the COVID-19. Although a number of job fairs and employability events have been delayed or cancelled, we did our best to stay connected with the industry and promote job opportunities to the students: the percentage of students having access to career seminars increased and reached over 80%, the number of students getting jobs through job seminars accounted for over 60% of the total number of graduates.

The counseling service for students has been launched and initially achieved notable results such as: maintaining permanent consultation by 02 sessions/week and consultation in lecture halls; the fund of the SAGA project has been utilised to provide essential equipment for the consulting room, hire experts to train staff and students to become collaborators of the consulting team, and to create information channels on social media networks.

Activities to support students who experienced difficulties due to Covid-19 have been implemented effectively. Over 3,000 students traveling to/from affected areas, or showing signs of cough/fever/fatigue were contacted, assisted with administrative procedures, and mentally supported. In addition, the University's alumni and their businesses have donated

more than 100 devices to students who encountered difficulty in remote and virtual learning due to lack of learning tools.

The University's scholarship policy has been duly adjusted and implemented to assure student education equity. During the Covid-19 epidemic and natural disasters in the central provinces, more than 6,000 students have been considered for an exemption from 20% to 50% of the tuition fees for the 2nd semester of the AY 2019-2020 and the 1st semester of the AY 2020-2021. In total, in 2020, 341 need-based scholarships for students with a total value of 2.3 billion VND, together with 1,200 merit-based scholarships with a total value of 20 billion VND, were awarded.

Scholarships from U-I cooperations have been actively promoted in the year 2020. A number of scholarships from corporate organizations have been granted to postgraduate students: Vingroup awarded scholarships to 10 graduate students and 15 graduate students with a total amount of 3.3 billion VND; Austdoor Group granted 03 scholarships to 03 graduate students with a total amount of 300 million VND; Samsung Display Vietnam Company sponsored exchange scholarships for final year undergraduate students and final year PhD students to do a 1-year internship at Pohang University of Science and Technology (POSTECH), Korea.



7. Communications and external relations

The proposal "Development strategy of Communications and External Affairs" has been completed towards 3 strategic goals for the period 2021-2025 namely: 1) strengthening the University brand, enhancing prestige, and domestic and international influence; 2) expanding quality partnerships, especially in education, research and application; 3) promoting an image of a creative, innovative, efficient HUST

The database of trustworthy scholars, academics and industry partners has been consolidated, contributing to the efficiency of cooperation activities.

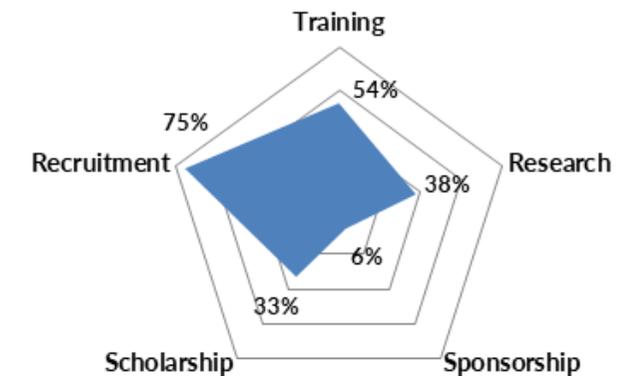


Figure 10: Collaboration of HUST with industry

Number of partners	Partners increased since 2019
active academic partners	28.9%
active research institutes and university partners	15.4%
active industry partners	32.5%

A great number of agreements with prestigious universities, networks, organizations and high-impact enterprises have been signed and implemented, such as those with DAAD, UK-VN HEP, Georgia Tech Research Corporation (GTRC), Osaka University, HITACHI, AIDEM, HUREDEE, EVN Genco1, PV Power, PVgas, FPT, VINIF, NAVER... The agreements contribute substantially to improving staff capacity, facilities and quality of education and research at HUST.

HUST Alumni Associations in industries have been launched to strengthen the linkage, exchange information and facilitate further cooperations with the University.

Numerous enterprises, organizations and individuals, including alumni and former staff of the University, have provided generous funding for scholarships, research, and laboratory equipments.

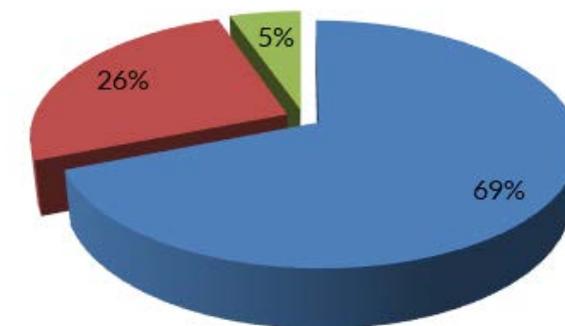


Figure 11: Categories of HUST industrial partners

Nearly 200 sponsors with the total amount of over 60.7 billion VND and hundreds of products and preference services



I. Budget

1. Total Revenue of 2020

Unit: Million VND			
No.	Items	Amount	Percentage
1	Government Funding	47,289	4.20
2	Grants for SAHEP (ODA)	97,938	8.71
3	Operating revenue	870,717	77.39
3.1	Revenue from education and training	780,157	
a)	Education and Training activities	749,044	
b)	Other fees and charges	8,400	
c)	Contractual training services	4,908	
d)	Sponsorship activities	17,805	
3.2	Revenue from facilities utilisation and services	90,531	
3.3	Other revenues	30	
4	Research grants from local authorities and local funds	109,144	9.70
Total Revenue		1,125,088	100

2. Operating revenue 2020

No.	Items	Percentage/total revenue (%)	Operating revenue 2020 (million VND)
1	Undergraduate Tuition Fees	60.96	
2	Other tuition fees, charges and training services	6.79	
3	Sponsorship activities	1.58	
4	Facilities services	8.04	
5	Other activities	0.02	
Total Operating Revenue		77.39	870,717

II. Operating expenses

Unit: Million VND		
No.	Items	Amount
I	Manpower Expenses	500,078
1.1	Staff and experts salary	466,580
1.2	Salary reduction contributions	33,498
II	Learners support	43,839
III	Facilities	78,475
IV	Services	36,737
V	Professional development	44,742
VI	Other expenses	19,821
Total Operating Expenses		723,692

III. Funds

Unit: Million VND						
Code	Funds	Beginning balance	Fund increased	Planned expenses	Actual expenses	Ending balance
353	Designated funds (scholarships, students support, support fund for disadvantaged students)	72,518	64,317	136,834	37,574	99,261
431	Other funds (recognition, social well fare, operating activity development, performance-based income)	279,389	386,569	665,958	276,136	389,822
Total		351,907	450,886	802,792	313,710	489,083



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- 1. Prof. Le Anh Tuan**
Chairman
- 2. Dr. Bui Duc Hung**
Vice Chairman
President of the Labor Union
- 3. Assoc. Prof. Huynh Quyet Thang**
President
- 4. Assoc. Prof. Nguyen Phong Dien**
Vice President
- 5. Assoc. Prof. Huynh Dang Chinh**
Vice President
- 6. Assoc. Prof. Tran Ngoc Kiem**
Vice President
- 7. Assoc. Prof. Nguyen Viet Dung**
Secretary, Dean of School of Heat Engineering and Refrigeration
- 8. Assoc. Prof. Pho Thi Nguyet Hang**
Senior Lecturer, School of Engineering Physics
- 9. Prof. Vu Van Yem**
Head of Human Resource Office
- 10. Dr. Nguyen Quan**
Former member of the Central Committee of the Communist Party, Former Minister of Ministry of Science and Technology
- 11. Mr. Pham Quang Hung**
Director of Department of International Cooperation, Ministry of Education and Training
- 12. Assoc. Prof. Nguyen Huy Phuong**
Dean of School of Electrical Engineering
- 13. Dr. Nguyen Danh Nguyen**
Dean of School of Economics and Management
- 14. MA. La Thu Thuy**
Head of Finance and Accounting Office
- 15. Mr. Tran Anh Dung**
President of Students Association
- 16. Assoc. Prof. Dinh Van Hai**
Head of Student Affairs Office
- 17. Mr. Pham Dinh Doan**
Chairman of Phu Thai Group
- 18. Ms. Dinh Hoai Giang**
General Director of Secoin Building Material Corporation
- 19. Mr. Ngo Son Hai**
Deputy General Director, Vietnam Electricity (EVN)
- 20. Mr. Tran Manh Hung**
Former Chairman of Vietnam Posts and Telecommunications Group
- 21. Mr. Ngo Que Lam**
General Director of Hanoi Beverage Company (Habeco)
- 22. Mr. Duong Manh Son**
President & CEO of PetroVietnam Gas Joint Stock Corporation
- 23. Mr. Le Tien Trung**
Chairman, Board of Directors Vietnam National Textile and Garment Group

1. List of sponsors

No.	Sponsors (Enterprises/Organizations/Individuals)
Above 10,000,000,000 VND	
1.	Vingroup
From 1,000,000,000 VND to 10,000,000,000 VND	
2.	Erasmus+ Programme
3.	PetroVietnam Gas Joint Stock Corporation
4.	German Agency for International Cooperation (GIZ)/ Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
5.	Deutscher Akademischer Austauschdienst German Academic Exchange Service (DAAD)
6.	Newton Fund
7.	Naver Corporation
8.	AIDEM Joint Stock Company
9.	Mitutoyo Vietnam Co., Ltd
10.	DUDU Information Technologies, Inc.
11.	UK Research and Innovation
12.	US Army
13.	AUN/SEED-Net
14.	Samsung Display Vietnam Co., Ltd
15.	Sekisho Vietnam Co., Ltd
From 100,000,000 VND to 999,000,000 VND	
16.	HUST Alumni Golf Club
17.	Vbee Services and Data Processing Solutions Joint Stock Company
18.	Hitachi Group
19.	Francophone University Agency (AUF)
20.	Human Resources Development and Employment Organization (HUREDEE)
21.	U.S Agency for International Development (USAID) and United States Embassy to Vietnam

22.	AfterFIT Co., Ltd.
23.	Asahi Glass Foundation
24.	Osaka University, Japan
25.	Toyota Motor Vietnam Co., Ltd
26.	Honda Vietnam Co.,Ltd
27.	Bank for Investment and Development of Vietnam (BIDV)
28.	BKAV Joint Stock Company
29.	Nitori Export Processing Enterprise
30.	International Nuclear Energy Development of Japan Co., Ltd (JINED)
31.	Sea Group
32.	FPT Group
33.	Sumitomo Corporation
34.	Posco Vietnam Co., Ltd
35.	Samsung Electronics Vietnam Co., Ltd
36.	Vallet Scholarship Fund
37.	Acecook Vietnam Joint Stock Company
38.	US Department of State
39.	TNG Investment and Trading Joint Stock Company
40.	Lotte Group
41.	Japan Student Services Organization (JASSO), Ministry of Education, Culture, Sports, Science and Technology of Japan
42.	Daikin Air Conditioning (Vietnam) Joint Stock Company
43.	Halmstad University, Sweden
44.	HAAST Industry Vietnam Co., Ltd
45.	AES Mong Duong Power Co.,Ltd
46.	IHI Corporation
47.	Groupement des industries françaises aéronautiques et spatiales (GIFAS)
48.	Lawrence S.Ting . Foundation
49.	Mitsubishi Electric Vietnam Co., Ltd
50.	Brother Industries (Vietnam) Co., Ltd

51.	Agency for Science, Technology and Research (A*STAR), Singapore
52.	Kumho Asiana-Vietnam Scholarship and Cultural Foundation
53.	Duong Nhat Investment Construction and Environmental Technology Co., Ltd
54.	Tay Ho High Quality Technology Joint Stock Company
55.	Vietnam Steel Corporation
56.	Hoa Phat Group
57.	ABB Automation & Electrification (Vietnam)
58.	Nhật Minh Co., Ltd
59.	Austdoor Group Joint Stock Company
60.	Ecopark Corporation Joint Stock Company
Up to 99,000,000 VND	
61.	Power Generation Corporation 1
62.	Nagaoka University, Japan
63.	GSGES Seeds Research Funding Program, Kyoto University, Japan
64.	FPT Software Joint Stock Company
65.	Bridgestone Corporation
66.	IBM Vietnam
67.	TCE Corporation
68.	Technokom Joint Stock Company
69.	Daizo Tec Co.,Ltd
70.	Magestore Technology Joint Stock Company
71.	NSN Construction and Engineering Joint Stock Company
72.	Tan Thanh Refrigeration and Industrial Equipment Co., Ltd
73.	POLYCO Group
74.	Viettel Group
75.	Vietnam Posts and Telecommunications Group (VNPT)
76.	Linagora Vietnam
77.	Sun Asterisk Vietnam Co., Ltd
78.	Gameloft Co., Ltd

79.	Thanh Cong Technology Development and Investment International Joint Stock Company
80.	VCCorp Joint Stock Company
81.	Tri Nam Technology Development Investment Joint Stock Company
82.	Co-Well Asia Co., Ltd
83.	SmartOSC Corp
84.	MISA Joint Stock Company
85.	DAC Data Science Vietnam Co., Ltd
86.	Alumni of School of Electrical Engineering, HUST
87.	PetroVietnam Technical Services Corporation (PTSC)
88.	Vietnam Bank for Agriculture and Rural Development – Hanoi Branch
89.	3C Computer - Communication – Control Joint Stock Company
90.	Bach Khoa Heat Refrigeration And Environmental Engineering Co., Ltd
91.	Boydens Engineering Vietnam
92.	Crystal Martin, Crystal International Group
93.	Adg National Technology Investment and Development Joint Stock Company
94.	Pearl Global Vietnam Co., Ltd
95.	Zeon Group
96.	Nissan Automotive Technology Vietnam Co., Ltd
97.	Intech Investment and Technology Joint Stock Company
98.	HUST Alumni in Japan
99.	Alumni of School of Applied Mathematics and Informatics, HUST
100.	VINAUSTEEL Joint Stock Company
101.	LG Electronics Vietnam
102.	Bach Khoa A Chau Joint Stock Company
103.	Polytechnic Energy Heat Mechanical Co.,Ltd
104.	Hanesbrands Vietnam Co., Ltd
105.	Active Semi Vietnam Co., Ltd
106.	COASIA SEMI Vietnam Co., Ltd
107.	VNPT Technology Joint Stock Company

108.	StudyNow Co., Ltd
109.	Alumni of School of Foreign Languages, HUST
110.	Tin Thanh Group
111.	Toshiba Transmission and Distribution Systems (Vietnam) Co., Ltd
112.	Youngone Nam Dinh Co., Ltd
113.	Tan Khoa Technology and Engineering Co., Ltd
114.	Hanoi Industrial Textile Joint Stock Company
115.	DR Fan Vietnam Co., Ltd
116.	Dong Duong Company
117.	Dinh Viet Boiler Co.,Ltd
118.	Industrial Safety Techniques and Environment Agency, Ministry of Industry and Trade
119.	Cao Ngan Thermal Power Company - TKV
120.	Center for Analysis and Environment (CAE)
121.	OWS Vietnam Joint Stock Company
122.	Tri Nam Group Joint Stock Company
123.	Vantix Technology Solutions and Services Joint Stock Company
124.	MK Group
125.	Luvina Software Joint Stock Company
126.	Episerver Research and Development One Member Co., Ltd
127.	Esquel Garment Manufacturing (Vietnam) Co., Ltd
128.	Yakult Vietnam Co.,Ltd
129.	Xindadong Textiles (Vietnam) Co., Ltd
130.	National Citizen Commercial Joint Stock Bank – Hang Cot Transaction Office
131.	Son Dong Thermal Power Company - TKV
132.	Best Pacific Vietnam Co., Ltd
133.	Leather and Shoes Research Institute
134.	Hai Duong Shoes Co., Ltd
135.	LADODA Leather Products Trading Service Production Joint Stock Company
136.	ROHDE & SCHWARZ Vietnam Co., Ltd

137.	ISOFH Technology Joint Stock Company
138.	HTC International Telecommunication Joint Stock Company
139.	IT Solutions and Resources Joint Stock Company
140.	Center for Registration of safe Technics MARD
141.	Ninh Binh Thermal Power Joint Stock Company
142.	Quang Thang Co., Ltd
143.	Center For Inspection Of Industrial 1, Ministry of Industry and Trade
144.	Bao Minh Textile Joint Stock Company
145.	Vietmedical Distribution Joint Stock Company
146.	Viettel Telecom
147.	Aimersoft
148.	AI&T Joint Stock Company
149.	V-Next Holdings Joint Stock Company
150.	Netpoleon Vietnam Co., Ltd
151.	NTQ Solution
152.	Giovanni Group
153.	Grooo International Joint Stock Company
154.	Worldquant Vietnam
155.	PERSO Joint Stock Company
156.	Newwave Solutions Joint Stock Company
157.	Center of Industrial Safety Registration Zone I, Ministry of Labour, War Invalids and Social Affairs

2. List of sponsors for equipment, products and services

No.	Sponsors (Enterprises/Organizations/Individuals)	Sponsored equipment and products
1.	SMC Corporation (Vietnam) Co. Ltd, SMC Corporation (Japan)	Equipment for automation & pneumatic laboratory (Equivalent to 2,033,374,637 VND)
2.	HUST Alumni of Precision Machine Major and K45 Precision Machine, Mitutoyo Viet Nam Co. Ltd	Equipment for laser technique and measurement laboratory: 01 tri-coordinate machine and 01 profile meter (equivalent to 2,000,000,000 VND)
3.	Sumitomo Riko Co., Ltd (Japan)	Pilot equipment for projects at the Rubber Center (equivalent to 2,000,000,000 VND)
4.	SIEMENS Vietnam Co., Ltd	Equipment for fully integrated laboratory (equivalent to 1,000,000,000 VND)
5.	Hino Motors Vietnam	Hino Engine; Hino Gearbox; Bus chassis integrated with engine (equivalent to 964,000,000 VND)
6.	Dinh Viet Energy Co., Ltd	Boiler system with capacity of 250kg/h (equivalent to 400,000,000 VND)
7.	Nagaoka University of Technology, Japan	- 03 Daikin 18000 BTU air conditioner installed in D7 building (equivalent to 75,000,000 VND) - Helium gas filled for 100 liter NMR machine at D7 building (equivalent to 140,000,000 VND) - Equipment for Laboratory at the Rubber Center (equivalent to 50,000,000 VND)
8.	Toyota Motor Vietnam Co., Ltd	01 Fortuner engine and 01 Vios engine (equivalent to 124,647,668 VND)
9.	EMTP Alliance	EMTP software simulating the electromagnetic transients in the electric system used in the university
10.	Siemens Vietnam and VinFast	25 user accounts for Siemens PLM Software Siemens NX software's training courses for officers Siemens NX software's training courses for Vinfast's engineers

11.	Samsung Electronics Vietnam Co.,Ltd	41 computers
12.	Alumni of School of Foreign Languages, HUST	1 desktop computer
13.	VNG Corporation	50 computer screens
14.	Sun* Inc	20 laptops, 30 computer screens
15.	Netnam Joint Stock Company	12 laptops
16.	Co-Well Asia Co., Ltd	10 computer screens
17.	KAOPIZ Software Technology Co., Ltd	5 computer screens
18.	Staff of Network Information Center, HUST	8 laptops
19.	Officers of International Research Institute MICA (Multimedia, Information, Communication and Applications), HUST	1 laptop
20.	HUST Alumni in Ho Chi Minh City	1 laptop
21.	NIIT Company	Training courses for students
22.	Lam Giang Trading And Investment Joint Stock Company	Shopping vouchers with value of 10,000,000 VND
23.	Vietnam Post	Delivery support of 42 computer packages to students
24.	Duc Hung Mobile Company	10% off sale for 100 iPads 4 (16G) to students
25.	Samsung Vina Electronics Co., Ltd	15-20% off sale for all mobile phone products to students
26.	FPT Group	10% off sale for all mobile phone and computer products to students
27.	IDTECH Digital Technology and Trading Co., Ltd	12% off sale for all mobile phone, computer products and related accessories to students
28.	MobiFone Service Company Region 1	HSV50 telecom package (rate preferential) to students
29.	Viettel Hanoi	ST120k telecom package (rate preferential) to students and lecturers
30.	VNPT Hanoi	Rate-preferential telecom packages with SIM cards to students and lecturers

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