HANYANG UNIVERSITY
SUSTAINABILITY REPORT 2022



HANYANG UNIVERSITY

ABOUT THIS REPORT



This report

This is the second sustainability report of Hanyang University (HYU), which is designed to highlight HYU's efforts to become "The Best University for a Better World" by working together with local communities to contribute towards creating a better world based on HYU's founding philosophy of "Love in Deed and Truth".

HYU seeks to continue its mission of cultivating talented innovators and future leaders who understand and appreciate the value of practicing love through education that combines knowledge and wisdom to positively contribute to communities, the nation, societies, and the world.

Report Features

For the Hanyang University Sustainability Report 2022, HYU stakeholders were involved in sharing their opinions about key topics such as creating student value, creating social value, and creating university value, which are being pursed through HYU's 2030 Long-term Development Plans and focus on the measurement of social impact.

Report Guideline

This report was written to conform to the GRI Standards Core Option, but intentionally differs from the GRI Standards according to the corporate management environment and has been partially modified to better address the realities of the university environment. The standards of this report were prepared by referring to 17 Sustainable Development Goals (SDGs) developed by the United Nations.

Report Period and Scope

This report was prepared based on HYU's sustainability management activities from January-December 2021. However, some activities that may go beyond this aforementioned period are also included according to the University's academic calendar from March till February of the following year. The scope of this report covers the activities conducted by all offices, departments, colleges, graduate schools (including special graduate schools), and affiliated institutions belonging to the HYU Seoul Campus and the ERICA Campus.

Additional Report Information

This report was prepared by the HYU ESG Sustainability Committee, and all related materials including the original report can be downloaded from and viewed on the HYU website.

Contact for Feedback

For any feedback on the report, the Planning and Evaluation Team can be contacted at 82-2-2220-2052.

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President's Message



Hanyang is striving to become
"The Best University for a Better World"
through sustainable management

“The Best University for a Better World” through ESG management

“Love in Deed and Truth’ has been the philosophy of Hanyang University since its establishment in 1939. Hanyang’s mission throughout its history has been to nurture practitioners of love in every field and in any profession.

Belief in the value of Love in Deed and Truth is the foundation upon which the University has continued to grow and develop. Hanyang is working to meet various demands while also looking ahead toward the future to provide the best education possible.

To this end, Hanyang has both enhanced and diversified industry-university cooperation by expanding its already practical curricula. Hanyang is aiming to become a pioneering university to lead the future by boosting practical education, continued education, and research cooperation with related industries while promoting the development of sustainable innovations.

The University has developed midto long-term development plans to become the best university for a better world and continues to modify its plans by identifying the social impacts of its university activities. As a higher education institution working for the community and society, Hanyang aims to create student value, social value, and university value. It is our belief that UN SDGs will serve as an effective guide to help Hanyang better contribute to the world around us.

The Hanyang University Sustainability Report 2022 is our second endeavor and is a stepping stone to help Hanyang realize its goals. We hope Hanyang members and all stakeholders will find this report useful as we work together to build value for generations to come.

Sincerely



Woo-Seung Kim
Hanyang University President

HANYANG UNIVERSITY
SUSTAINABILITY
REPORT
2022

01

About Hanyang

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01 About Hanyang

◎ Introduction



Hanyang University is a private, comprehensive high learning institution located in Seongdong District of Seoul, South Korea. HYU was originally launched as DongA Engineering Institute in 1939 with the aim of providing practical training and technical education. The founder, Lyun-joon "Paiknam" Kim, was a well-known businessman, educator, and musician who composed classics including "I Would Like to Live on a Green Mountain" and "Death of Poet". He was also a visionary and pioneer who believed engineering education was a key to his country's success during a turbulent period in the nation's history.

History

Hanyang Engineering College was the nation's first private engineering college and was accredited by the government in 1948. Then in 1959, it was elevated to the status of a comprehensive university and its new name became Hanyang University. Today, HYU has two campuses including the main Seoul Campus located in Haengdang Neighborhood of Seongdong District in Seoul. The Seoul Campus opened its doors in September of 1953. The second campus opened in the city of Ansan in March of 1980 after receiving government approval in 1979. Among its various programs, HYU founded the Volunteer Corp in 1994 which was the first for Korean universities in 1994 and the Industry-University Cooperation Foundation (another nation's first) in 2004. In the month of December of 2009, the Hanyang Ansan Campus was renamed the ERICA Camus as an acronym for Education Research Industry Cluster at Ansan.

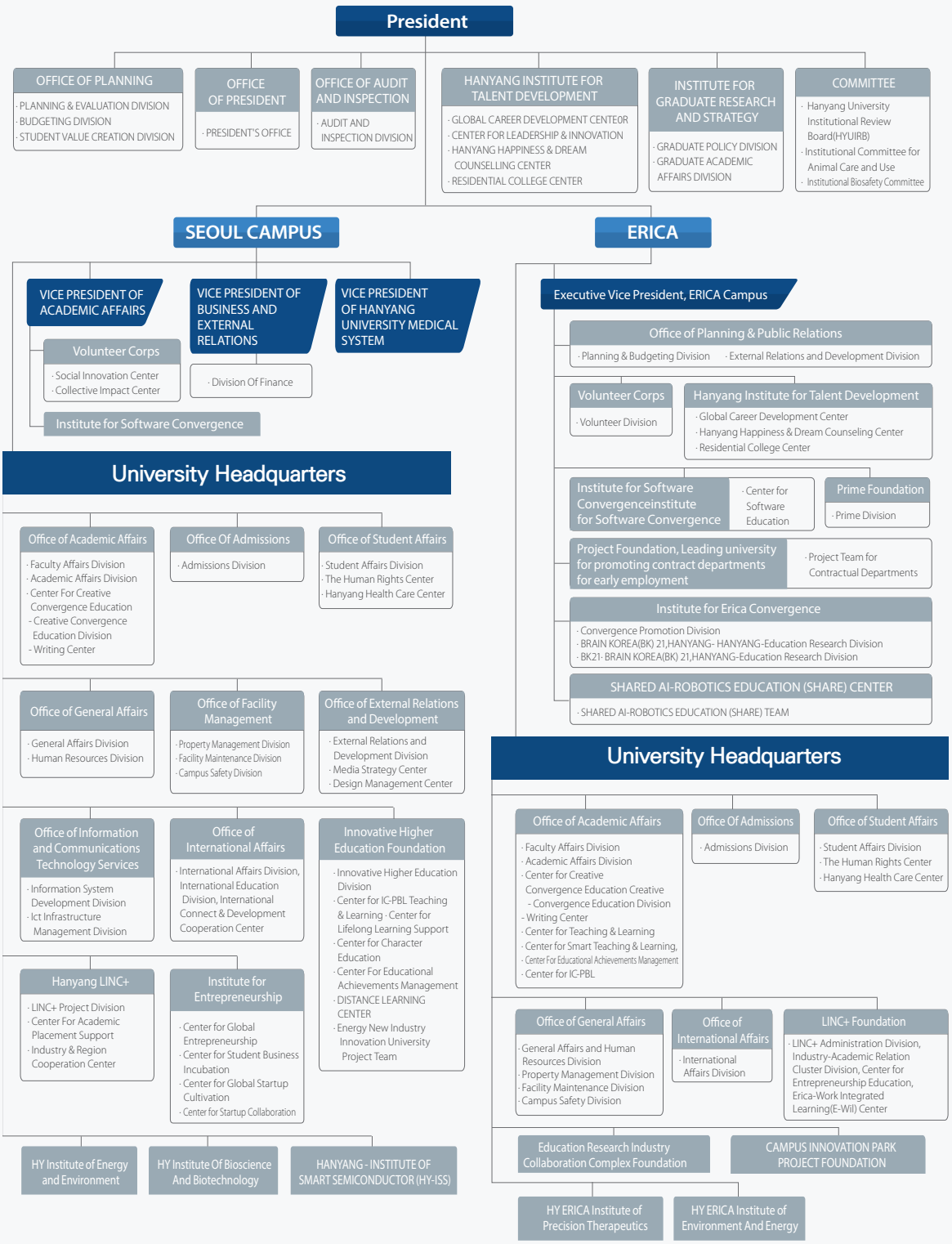
- Seoul Campus (04763) 222 Wangsimri-ro, Seongdong-gu, Seoul, Korea
- ERICA Campus (15588) 55 Hanyangdeahak-ro, Sangnok-gu, Ansan, Gyeonggi-do, Korea

Organization

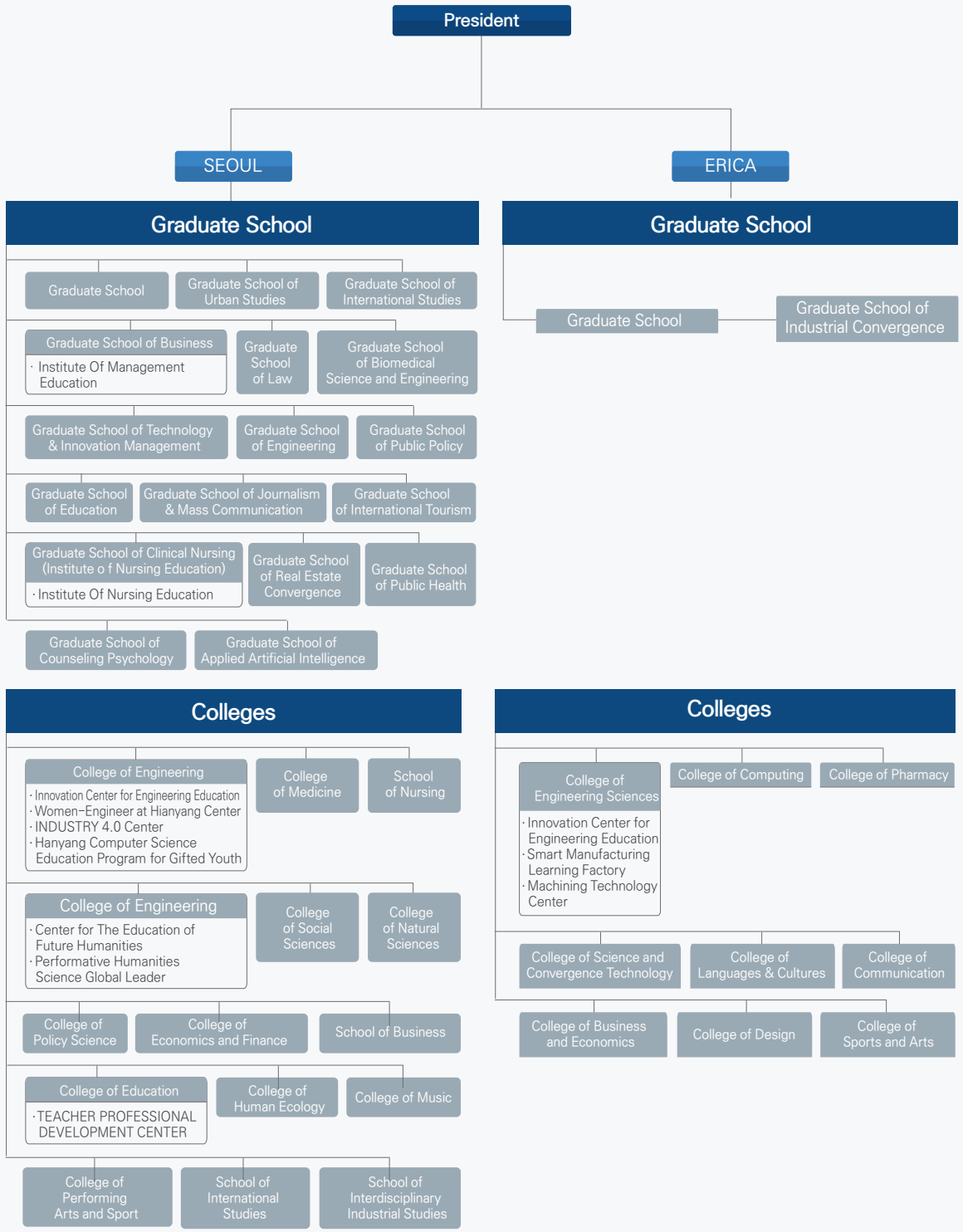
The Hanyang Seoul Campus has 16 colleges that include Engineering, Medicine, Nursing, Humanities, Social Sciences, Natural Sciences, Policy Sciences, Economics & Finance, Business Administration, Education, Human Ecology, Music, Art and Physical Education, International Studies, Industrial Information Studies, and Global Intelligence Studies. Meanwhile, the ERICA Campus is composed of 9 colleges that include Engineering Sciences, Computing, Pharmacy, Science and Convergence Technology, Global Languages and Cultures, Business and Economics, Design, and Performing Arts, Sports and Athletics. There are 18 graduate schools including 1 Graduate School, 6 Professional Graduate Schools, and 11 Specialized Graduate Schools. There are also 114 affiliated research institutions and auxiliary research institutions. From Hanyang's College of Medicine established in 1972, the University operates the Hanyang University Medical Center which includes the International Clinic, and the Guri Hospital that is home to the nation's first Rheumatism Hospital.

◎ Governance

Organization Chart



Organization Chart



◎ Symbols

Flower

Forsythia



Mascot

Lion



Logo

The official logo of Hanyang University can be said to resemble a shield, signifying strength and determination while the colors of dark blue and white are used to represent sincerity and truth, respectively. Korean lettering or Hangul is used for "Han" (한) and "Yang" (양) at the center to emphasize that the university is focused on maintaining its roots. Moreover, "Hanyang University" is spelled in English at the top to highlight that the University places top priority on internationalization and globalization. The year 1939 is when Hanyang was founded and thus it sits firmly at the foundation of "한양". Finally, the flower forsythia supportively decorates the lower sides and was selected to represent perseverance even in harsh and unfavorable conditions while heralding the coming of spring or new hope.

02

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- University Value Realization Management

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02 Main Goals

HYU has been focusing on long-term development plans to become a leading university in the 21st century of a knowledge-based society and to be globally recognized. In 1994, Hanyang was the first university in the nation to announce its official long-term development plans and since then, such plans and follow-up activities have been released every decade. Following the HY Dream 2010 plan of 2001, the HYU Project 2010 was launched in 2004 with the goal of Hanyang becoming a globally recognized university. With the announcement of the New Hanyang 2020 plan in 2009 and the Hanyang Vision 2030 plan in 2021, HYU is continually working toward achieving its visions for long-term development.



◎ 2030 Long-term Development Plans

HANYANG VISION 2030 consists of one vision, three missions, and nine strategies. This third plan, which was completed through stakeholder group meetings, communication with members, and reflection on the past two long-term development plans, has the grand vision of HYU becoming "The Best for a Better World". The goal is for the University to be recognized for successfully creating sustainable values through education and research based on student value-oriented education, social value creation research, and university value realization management. HYU chose these three - student value, social value, and university value - as the keywords for its third long-term development plan of 2030. The aim is to realize student-value-centered education by linking the values of each educational life cycle of education consumers and to contribute toward the development of a better world by connecting tangible and intangible social values created by outstanding competitive research. By linking the above three values to each other, an efficient and integrated development plan was established and implemented that underscores the University's determination to provide education that is useful to the world beyond the university walls, and beyond academia.

3 Values: Education for Student Value, Research for Social Value, Management for Univ. Value

Vision

The Best For a Better World
A university that creates sustainable values through education and research

3 VALUEs

	Education For Student VALUE	Research For Social VALUE	Management For Univ. VALUE
Mission	University education that puts student values first	Influential university research that creates tangible and intangible social value	Execution-oriented university management that realizes the intrinsic value of the university
9 Strategies	Cultivating creative problem-solving talents	Strengthening the international impact of research field	Establishment of ESG-centered sustainable management system
	Strengthening professionalism in graduate education	Creating a research ecosystem with enhanced connectivity with society	Creation of a new business model based on digital transformation
	Transition to a Lifelong Education Reinforcement University	Transition to a university with strong business	Securing future growth engines through strategic nurturing of core assets

(1) Student Value-Oriented Education



Students are the consumers of university education. One of the primary purposes of university education is to offer high quality education so that more academically and personally enlightened human resources are cultivated and provided for society. Student Value-centered Education is the first mission of HYU's 2030 long-term development plan and entails nurturing creative problem-solving talent, strengthening professionalism in graduate school education, and strengthening lifelong education.

Graduate and undergraduate education are designed to strengthen expertise by examining the appropriate characteristics of each student field and providing students with insights into those areas. By attracting outstanding graduate students from home and abroad, the plan is to nurture the next generation of academics and implement a multi-faceted support system for their academic success. Like undergraduate education, digital transformation is being expanded in graduate education.

HYU is aiming to become a university that creates and provides values necessary for education consumers. Thus, the University intends to progress university education by promoting lifelong education and is considering all age groups. By welcoming all members of society as potential consumers of university education, HYU seeks to become a lifelong university that offers more than undergraduate education. Instead, HYU seeks to include individualized curricula of its specialized and special graduate schools to fit the social reality of a more diverse student body. This is being accomplished by expanding the operation of various departments to include programs of re-education of existing students, and further supporting the curriculum of the Social Education Center.

(2) Social Value Creation Research



HANYANG VISION 2030 is a plan that emphasizes working with society in progressive and fruitful ways. The plans highlights using education to create social value. Starting with achieving international research competitiveness, HYU is focusing on social tangible and intangible values created by outstanding research capabilities. The university intends to create a research ecosystem that has enhanced connectivity with society and will transition to becoming a university with strong technology transfer, technology commercialization, and start-up activities in line with the era of the 4th Industrial Revolution. More attention is being paid to the social value of research that contributes to the development of a better world beyond the perspective of existing development plans. The goal is to link university research with industry-academic cooperation and technology development activation. In addition, HYU will strengthen its competitiveness to gain favorable research results in areas including impact factor, research fund orders, and patent issuance. The University will also seek to strengthen its competitiveness in research quality, which can be described as its research plans, goals, and

vision. The aim is to establish a sustainable industry-academic cooperation research ecosystem to enable HYU to become a university where companies and universities can develop together and contribute to solving social problems.

(3) University Value Realization Management



The biggest goal of university administration and management is to successfully support education and research activities within the university. HYU intends to simultaneously secure and foster core assets so that it can achieve the two aims described above (student value-oriented education and social value creation research). HYU's brand power will be enhanced and outstanding administrative performance will be achieved by establishing a hyper-connected and big data-based campus environment. To do so, reforms will be implemented in the HYU governance structure which will be designed to create an ecosystem where both campuses can develop together by implementing specialization strategies for each campus, in Seoul and at ERICA. There will also be efforts to promote more communication and interaction among students, teachers, and staff while also focusing on ways to enhance university management by creating a performance-oriented culture. Through these endeavors using technology and promoting campus culture, future growth engines will be secured and pursued to follow implementation-oriented university management, and to create new financial resources (business models). Contributions toward achieving sustainable development for society are expected and a model for creating a prestigious university will be presented through the introduction of an ethical management philosophy employing ESG as the key for innovating university management culture.

※ Values Virtuous Cycle Structure in the 2030 Long-term Development Plan

HYU's long-term development plan for 2030 is composed of three values under the motto of "The Best University for a Better World". Moreover, a system has been developed that focuses on student value, social value, and university value. The overall goal is to contribute toward the development of society by fostering talented graduates who are equipped with effective problem-solving skills gained through practical education. Studies that contribute to society will be connected to research results for technology development and shared, instead of being limited to academia, and support for the revitalization of student start-ups will be provided. In addition, management that recognizes university value will be maintained to efficiently support performance, sustain implementation-oriented university management, and create value in education and research. Through these efforts, HYU seeks to achieve a successful cycle of strengthening its educational brand by producing talented graduates who actively contribute locally and globally particularly through outstanding research.

◎ Measurement of Social Impact

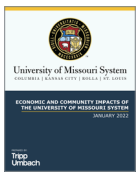
The University's responsibilities are not only limited to simply providing education but include various economic, community, and research activities which can have a substantial impact on the local community. To achieve the three key values of the University's "HANYANG VISION 2030: 3VALUEs" long-term development plan announced in 2021, Hanyang has implemented various polices and achieved results. However, an objective analysis has never been conducted to determine what social impact the University has achieved through these efforts.
HYU believes that significant progress can be achieved through continuous evaluation and supplementation of the results gained rather than simply creating plans and goals for the development of the University. While evaluations so far have been mainly conducted internally, measurement of the social impact should be done internally and externally to communicate the values of the University with local stakeholders to enhance its brand. With this view, in the year of 2022, Hanyang conducted its first research to measure its social impact in 2021 and to present the results quantitatively by converting them into a monetary value.

Overview of the Social Impact Measurement

The social value activities conducted by HYU in 2021 have been compiled and organized in various ways. Based on examining related cases and literature review, university activities were analyzed and classified into five types of social performance: economic, human capital nurturing, community contribution, environmental, and knowledge production effect. An equation developed by HYU converts social performance of each type into monetary value and derives the final results in the form of the return on social investment (SROI) with the input of HYU social performance data.

Literature Review and HYU Activities Analysis

- Case studies on domestic and international social impact reports
- Literature review and analysis of HYU social performance



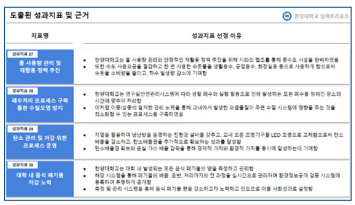
Impact Report by University of Missouri System



HYU Sustainability Report 2021

Social Impact Measurement Method

- Development of social impact formula and feedback from working group
- Feasibility check on data collection



Social Impact Measurement Formula (Impact Indicator)

Data input and Derived Results

- Input of collected data into the social impact formula and derivation of final results and SROI value



Derived Final Results (Excel Masterfile)

Principles of the Social Impact Measurement

To secure internal and external credibility in identifying and measuring social impact created by HYU, the following four principles were established:

1. Determining stakeholder
   clearly determining the stakeholders who are affected by HYU and calculating social benefits or costs imposed on stakeholders
2. Setting indicators based on conservatism
   preventing over-counting or double-counting of social values in order to measure at a level that everyone can agree on so the reliability and universality of the social impact measurement results can be secured
3. Post-assumptive thinking
   more precisely measuring social impact only created by Hanyang by excluding the social performance that would have been created without Hanyang
4. Application of reference market standards
   estimating the realistic market value of Hanyang's social performance into monetary value by utilizing values already formed in the market or making estimations when there is no appropriate market price available.

Measurement Method of Social Impact

The basic principle in measuring social impact is to monetize the social performance created by Hanyang University. The method of converting social performance into monetary value is to find a financial proxy suitable for the quantitative performance of social impact indicators through literature review. This allows the measurement of how much social performance Hanyang has produced compared with the budget invested. The purpose of monetization and the expected effects are as follows:

	Purpose of Monetization	Expected Effect of Monetization
Purpose 1	Need to unify Social Value and Economic Value	Intuitive understanding and communication about Hanyang's social impacts by using familiar money unit, "won"
Purpose 2	Need for tools to evaluate trends and future growth potential of impacts created by Hanyang	Examining growth trends of social impacts and setting goals by determining and monitoring Hanyang's Social Impact annually
Purpose 3	Need to introduce a unified system for systematic impact management	Signaling a change in the total social impact amount by managing social impacts in a monetized manner

This report first describes the policies and activities according to the "HANYANG VISION 2030: 3VALUEs" long-term development plan, and analyzes the results in depth through the social impact measurement. It includes the opinions and reflections of the University's social values and sustainability.

03

Student Value

Healthy and Satisfying College Life 19

- Financial Support for low-income students, providing equal admission opportunities, housing support for out-of-town residents or low-income students
- Legal Support for HYU members and local community residents, various types of healthcare supports and programs, consultation for mental health care

Support for Student Value Creation 25

- IC-PBL program for problem solving skills
- Co-op Program and start-ups for career development
- Management of employment and entrance rate



03 Student Value

◎ Healthy and Satisfying College Life

Financial support for low-income students (SDG#1)

Hanyang has reduced the size of scholarships (Diamond Scholarship) which was awarded to students deemed to have exceptional admission and instead, expanded financial support to low-income students. For this reason, the "Love in Deed and Truth Scholarship" has been enlarged to provide financial aid to students from low-income groups, including basic livelihood recipients and the low-income class. HYU also created the "Need Based Scholarship" for low-income students other than the basic livelihood scholarship recipients and the low-income class. students. Those from low-income families are already eligible to receive national scholarships by working part-time on campus. The national scholarship part-time work allows students to work on campus when they are available or wish to work and to receive a paycheck slightly higher than the minimum wage.

Providing equal admission opportunities (SDG #10)

Hanyang strives to provide equal opportunities for university admission to students of various social classes and backgrounds. Thus, the University offers a separate admission process called "Equal Opportunity" for students with financial difficulties or challenges resulting from their regional or educational backgrounds. The Equal Opportunity admission process selects students based completely on a comprehensive evaluation of the student's record without an entrance exam or a separate interview. This screening process offers Hanyang admission opportunities for those from basic livelihoods recipient families, the low-income students, national veterans, residents of rural areas, students graduating from specialized high schools, and special education recipients who may have relatively limited opportunities to enter college regardless of their circumstances. In order to ensure that students who are admitted through this admission process can lead a stable academic life and successfully graduate, the University provides various kinds of support and assistance including scholarships, dormitory accommodations, and counseling services.

Housing support for out-of-town residents or low-income students (SDG #1, #11)

HYU owns and operates dormitories on both the Seoul and ERICA Campuses. The Seoul Campus can accommodate more than 2,000 students while the ERICA Campus can house about 2,700. Among students enrolled in HYU, those receiving National Basic Living Security support are given priority for dormitory accommodations. Moreover, dormitory placement priority is given to those who live far from campus, as well as for those with disabilities, students receiving basic livelihood support, and those raised in child welfare facilities. This applies equally to both undergraduate and graduate students.



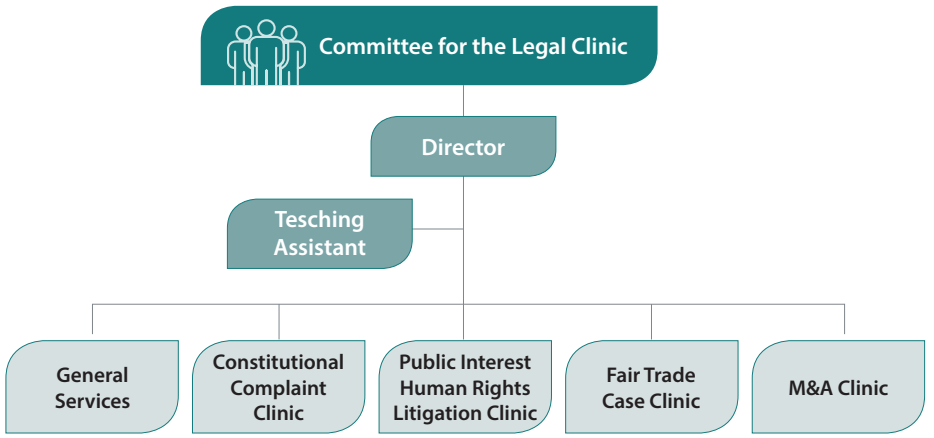


In the case of the ERICA Campus, a scholarship program is available for dormitory students who are experiencing financial difficulties. This scholarship is provided to basic livelihood recipients and students who live near the poverty level. The Seoul Campus together with the Seongdong District Office offers a housing support scholarship that provides students with financial subsidies for their housing in the campus neighborhood. This scholarship is only available to non-Seoul residents who could not gain dormitory housing and covers monthly housing rental fees while providing a stipend as a living allowance.

Legal support for HYU members and community residents (SDG #16)

The HYU School of Law operates the Legal Clinic for students to gain practical training and is a part of the Public Interest Human Rights Service Program. The Legal Clinic offers practical help to HYU members, especially low-income students and local residents, by offering legal advice and legal knowledge necessary for everyday life. Through this clinic, the school aims to improve the analytical skills of law school students while also giving them firsthand experience of valuable social service.

[Organization Chart of Legal Clinic]



Various healthcare support and programs (SDG #2, #3)

Hanyang runs a variety of student and faculty cafeterias on both campuses. At the Seoul Campus, there are six student cafeterias including the Student Cafeteria on the 3rd floor of the Student Welfare Center, Haengwon Park Cafeteria in the basement of the Business College, a cafeteria in the basement of the Materials Science and Engineering Building, two dormitory cafeterias, and two faculty cafeterias around the campus.



At the ERICA Campus, there are four student cafeterias including the cafeteria and food court in the Student Welfare Building, the cafeteria in the basement of the Start-up Incubation Center, a dormitory cafeteria, and one faculty around the campus. During the weekdays, cafeterias are open from 10:30 until 18:30 offering snacks, lunch, and/or dinner whereas lunch is only available on Saturdays. Snacks are priced between 2,000-2,800 won and lunch and dinner are 3,600-3,900 won, with a typical selection of both Korean and Western food at more reasonable prices compared with off-campuses restaurants. HYU is making efforts to reduce costs by directly operating the student cafeterias and signing supply contracts in order to provide students with healthy and affordable food options.

HYU operates a nursing room for university members who are mothers. The nursing room is operated for females only and is located on the B1 floor of the College of Education Building. Previously, there was very limited space on campus for students who were working and studying mothers; only the Student Health Room was available with its limited access during working hours. HYU has made efforts to improve the healthcare support for its female members by newly opening a nursing room which is accessible even in the evenings. Through ongoing discussions on the necessity and location of a new nursing room on campus and conducting a preliminary on-site investigation to determine the most ideal conditions, the nursing room opened its doors furnished with two breast-feeding spaces, a baby bed, refrigerator, basin, etc.





Consultations for mental health care (SDG #3)

The Hanyang Happiness-Dream Counseling Center operates various programs for mental health care for HYU members. For instance, "Hanyang Communicus" is a group counseling program in which students focus on empathy and self-expression in a group setting in order to better communicate with others based on a deeper understanding of themselves and others. The "Peer Counseling" program offers help to college students of similar ages, experiences, and values. Counselors of the Peer Counseling program receive specialized training based on their experiences, and then in turn offer coaching and advice to their peers on how to solve problems and grow emotionally. The "Visiting Counseling" program offers on-site counseling for students who would like to visit the counseling center but are not able to. In the program, two colleges are selected every semester and students of those colleges can conveniently access counseling services to help understand themselves and others better, while also learning to adjust to college life. In order to prevent suicide, which has recently become a major social issue in Korea, Hanyang runs the Gate Keepers Training program on campus. Through this program, Hanyang aims to raise awareness of suicide prevention among members of the University and to recognize those in need while also intervening at an early stage where necessary for those experiencing an emotional crisis. The International Affairs Team at Hanyang provides international students with regular individual counseling in order to better manage and support the University's international student body. Research experts on culture are invited to run various seminars and workshops to help international students who are unfamiliar with living abroad smoothly and successfully adapt to life and studying abroad.



Smoking-free Campus Policy (SDG #3)

The HYU Seoul Campus and ERICA Campus have designated their entire campuses as non-smoking. Subsequently, separate smoking booths have been created and are operated exclusively for smokers. Although more than 30 smoking areas have been designated for each campus, there has been low awareness of these smoking areas and negligent supervision. As a result, Hanyang has been actively campaigning and engaging in awareness activities. The University is also operating a "Visiting Smoking Cessation Support Service" in cooperation with the Seongdong District Office. Three to four times a year, officials from the Smoking Cessation Clinic under the supervision of the Seongdong District Office visit the school to conduct face-to-face and phone consultations and provide various gifts to participants and successful quitters as a means to promote and celebrate a smoking-free culture.





Increase of cultural diversity and support for minority groups (SDG #10)

To increase cultural diversity, HYU invites students of the KGSP (Korean Government Scholarship Program), which is a government scholarship program for international students to the campus to provide support for entrance and tuition fees as well as government scholarships to international students. In addition, the scholarship students are given priority for dormitory housing and various other benefits are available through the career counseling system and psychological counseling system.

Hanyang also operates a North Korean Defector Living Scholarship Program to support students from North Korea who are at a low-income level. This scholarship offers a stipend each month in addition to tuition support to current North Korean defectors. To be eligible for this scholarship, certain credit criteria must be met and is only available for enrollment within the regular eight semesters.

◎ Support for Student Value Creation

As described above, HYU is striving to create student value through various programs, system improvement, and organizational structure. Another important project that HYU is focusing on for the purpose of creating and improving student value is the department evaluation system. HYU believes that improving the quality of education is the most important way to increase student value and thus the University aims to achieve this goal by conducting department evaluations efficiently and precisely. HYU has been conducting self-evaluations for undergraduate departments since 2012 and for graduate departments since 2021. Department evaluations are carried out to enhance the competitiveness of departments and the University through competency diagnosis of the departments to achieve student value creation goals by focusing on evaluation indicators. The undergraduate department evaluations are divided into Science and Engineering, Humanities, Social Science, Sports, and Arts in 59 departments on the Seoul Campus and 38 departments on the ERICA Campus. Evaluation of the graduate school departments is divided into Science and Engineering, Humanities, Social Science, Arts and Sports. On the Seoul Campus, 25 departments are evaluated while on the ERICA Campus, that number is 30. Both evaluations consist of various indicators in the areas of education and research. Unlike the undergraduate evaluation, the graduate school evaluation calculates research indicators and promotes the development of research capabilities.

The educational area of the undergraduate department evaluation consists of IC-PBL, participation rate of industry-related work experiences, student satisfaction, student performance (employment rate, admission rate), and dropout rate as regular indicators, and the ratio of international students for additional points. The research area at the undergraduate level consists of thesis performance and research grants. Meanwhile, the educational area of the graduate school evaluation consists of student performance (employment rate, research performance), dropout rate, undergraduate admission rate, graduate student composition, financial support, full-time faculty lecture rate, and IC-PBL rate. The research area for the graduate level is evaluated by these performance and research grants like at the undergraduate level.

IC-PBL for problem solving skills (SDG #4)

IC-PBL stands for Industry Coupled Problem Based Learning and is a next-generation educational model that is designed to carry out problem-solving projects centered on industrial and social linkage conducted by HYU. It is an innovative class model that supports companies, institutions, and universities to develop together and create new values by solving practical problems in the field. In addition, it is a method to nurture problem-solving talent suitable for the era of the 4th Industrial Revolution and to produce leaders demanded by society through advanced field practice. The model brings universities and industries together to jointly respond to changes or demands in

society that are difficult for individual universities to respond to, and aims for the creation of hyper-connected education and a shared education platform. At HYU, the IC-PBL curriculum is available in all departments and requires learners to complete a total of 4 or more courses. The completion of IC-PBL courses in other majors is recognized in order to have students further develop their integrated thinking and communication skills. HYU's unique IC-PBL system aims to strengthen actual field-type problem-solving capabilities by collaborating with top domestic and international companies and national institutions. Furthermore, HYU is leading innovation by organizing the IC-PBL curriculum and disseminating the results of the curriculum by holding IC-PBL conferences and competitions every year.

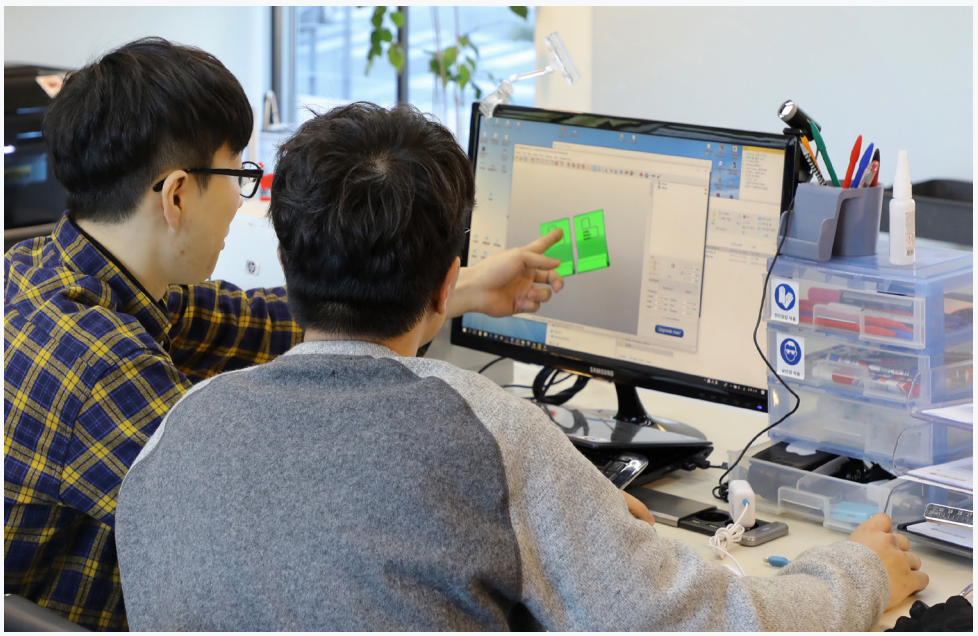




Co-op Program and start-up support for career development (SDG #8, #9)

The practical learning style at HYU can also be observed in the performance of the field training program which connects academic major knowledge with field work experience. The Co-op Program provides students with opportunities to acquire information related to their career selection and enhance the employment competitiveness of graduates. Students can choose to take short or long-term courses depending on the duration of the job placement, receive credits, and gain sufficient practical experience before joining a company. Partner companies for the Co-op Program have the advantage of receiving financial support and opportunities to utilize outstanding talent in advance.

In addition, HYU is implementing an alternative credit recognition system for start-ups. This system was implemented to relieve the burden by students of studying while attempting to start a business. It is an academic system that recognizes a minimum of 12 to a maximum of 15 credits for entrepreneurship activities during the first semester for those who have started a business. Students will receive credits if they can achieve their learning goals through entrepreneurship, minimizing disruption to their studies. HYU is striving to create student value by providing students with opportunities to gain practical experience and complete their curriculum through the Co-op Program and start-up credit system before graduation.



Management of employment and entrance rate (SDG #4)

Finding and realizing true value for students has been a Hanyang goal for a number of years. Based on its founding philosophy, "Love in Truth and Deed", Hanyang seeks to educate and train as well as inculcate a mindset of philanthropy within its graduate.

As times change, the roles of universities also must change according to the demands of society. Thus, Hanyang has been working tirelessly to redefine its role in consideration to the expectations of students and to provide quality education. As a result, Hanyang is operating the IC-PBL to promote field-related problem-solving skills, the Co-op Program to provide work experience, and the start-up program as described above. In order to systematically manage the ways education affects students, HYU has developed a self-evaluation system that includes the department evaluation in consideration to the characteristics of each department. Through this evaluation, Hanyang aims to become a university that manages and supports student employment and entrance into the workforce.

04

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04 Social Value

◎ Creating Social Value

HYU Group Research: Leading Sustainable Development (SDG #7, #13, #14)

HYU's traditional research goal has been to increase the impact of research by concentrating on the impact factor or citation index of published papers. Improvements have been made in the university's performance evaluation and policies of numerical research promotion. However, the new aim is to foster research skills in fields that can create social value. For this purpose, a specialized research group in water, energy, and environment has been created to conduct research aimed at further developing and benefiting society. HYU benchmarked a program of the Penn State Institute of Energy and the Environment and the NIST MEP Program to establish a research ecosystem that creates social value. As result, the University concluded that it is necessary to promote representative research fields and to foster sustainable research groups based on high added value. The Education and Industry Cooperation Foundation, Office of Academic Affairs, Office of Planning, and various colleges have agreed to implement policies through discussions led by Institutional Policy Improvement Promotion Committee. HYU's policy to revitalize joint research begins with the following three fields:

• *Life Science*

Changes in demographics and certain industries over the past decades have increased demands on the quality of university education and research. The Life Science field is one of the areas that creates added value for research and industry-academic cooperation. Furthermore, due to COVID-19, research and technology in the bio sector have become crucial for national competitiveness. As a result, HYU began to revitalize research efforts in the field of life science to strengthen core capabilities in the bio sector and to build related infrastructure. Both Hanyang's campuses have each established HY-IBB (HY Institute of Bioscience and Biotechnology) and HY-EIPT (HY ERICA Institute of Precision Therapeutics) organizations for this research.

• *Energy and the Environment*

The role of higher education institutions in relation to sustainable social development is becoming increasingly important. With limited resources, it is necessary to create social values through university research that provides answers and visions to address issues such as population growth, environmental pollution, climate change, energy shortages, and resource depletion. ESG (Environmental, Social and Governance) is also viewed as an essential consideration in terms of innovation in relation to the aforementioned topics. Energy, environment, and sustainability issues can be solved through interdisciplinary convergence of research and education and leading universities abroad are already responding by establishing joint research programs, centers, and

institutions. HYU is also planning to build its own related infrastructure of research and education to strengthen competitiveness through the establishment of HI-IEE (Hanyang Institute of Energy and Environment).

In the energy sector, research will be conducted mainly in the Next-Generation Power and Energy Center, Research Center for Future Innovative Nuclear Technology, Innovative Solution Center for Advanced Energy Transformation Technologies, Center for Advanced Materials for Energy Systems, Water and Environment Center, Next Generation Mobility Center, Sustainable Urban System Center, and Global Circular Economy Center. Both Hanyang's campuses have established the HY-IEE and HY-EIEE (Hanyang ERICA Institute of Environmental and Energy) for this research.

• *Semiconductors*

Semiconductors are a core technology that is propelling the world to greater heights of advancement brought about by innovation. The field of semiconductors will continue to contribute toward the sustainable development of humankind along with water, energy, and environment. For its part, HYU plans to further invest in semiconductors as a specialized research field. Research will be conducted mainly in the Center for EUV Lithography Technology, Center for Semiconductor Physics and Devices, Center for Advanced Semiconductor Packaging and Center for Atomic Scale Process and Plasma Technology. The Seoul Campus intends to establish a convergence research system in the semiconductor and display fields through the creation of the HY-ISS (HY Institute of Smart Semiconductors). In particular, HYU plans to develop a curriculum for the semiconductors and displays field that can actively contribute in the post COVID-19 era, and the University plans to build a preparation system to attract large R&D projects, ultimately strengthening the University's research competitiveness in semiconductors.

Publication of SSIR Korea: Leading Theory and Practice of Social Innovation (SDG #17)

Silicon Valley in the United States is currently leading global innovation in almost all high-tech areas including IT. There are various reasons behind Silicon Valley's growth and it is clear that Stanford University has played a key role. The Stanford University College of Business is considered the center of global innovation and has been publishing the academic journal Stanford Social Innovation Review (SSIR) since 2003. SSIR deals with human rights, impact investments, and non-profit business models as major research tasks, especially focusing on systems where theory and practice are proficiently balanced. Since 2018, HYU has been publishing the Korean version of SSIR. In the beginning, the journal operated on a small scale and published only two issues a year, but since 2021, four issues are published annually. HYU has been certified as an Ashoka U Change Maker Campus, which is the first global social innovation network in Northeast Asia through the publication project and is recognized as a leading university for social innovation.

HYU hosts an annual SSIR International Conference to introduce global social innovation paradigms and to increase the University's brand value as a leading university for social innovation in Korea. The Korean version of SSIR is currently distributed to subscribers of organizations and companies in the fields of social innovation and social contribution including the Knowledge and Social Innovation Policy Division of Ministry of Public Administration and Security, the POSCO Social Contribution Group, Hyundai Motor Group's Social Culture Team, and the SK Happiness Sharing Foundation. The fact that HYU publishes the Korean version of SSIR highlights the University's status as a leading institution in social innovation particularly with the certification of Northeast Asia's first Ashoka U Changemaker Campus



◎ Eco-friendly Management System

Sharing the limited resources of the Earth makes all users responsible for those environmental resources being used. The condition of the environment we inherit depends upon the activities of the previous generation. Therefore, every current generation should feel morally obligated to pass on safe, healthy, and sustainable environmental resources to future generations. To this end, sustainable production and consumption activities must be done responsibly and with accountability. HYU recognizes this responsibility and seeks to positively contribute as an active and influential organization in society.

HYU Eco-Friendly Energy Management System (SDG #7, #13)

• *Managing Energy Usage*

HYU endeavors to systematically manage energy used by all members. This includes managing and annually inspecting energy and gas usage, eco-friendly energy usage including solar power, reusable energy, and nuclear energy. The data is used for building policies for energy saving and the new policies are shared with all members.

• *Promoting Energy Savings*

HYU is taking the lead in energy-saving efforts through monitoring and displaying of energy consumption. The University analyzes usage of electricity, gas, and water and informs users of the monitored energy consumption in real time to reduce energy waste and promote energy saving projects. Efforts to reduce energy waste are encouraged through an energy strategy promotion booth, by checking energy consumption and greenhouse gas generation, by posting of energy rates, and by promoting energy saving strategies.

A promotional program is conducted on campus to emphasize the importance of saving energy through efforts such as saving water and electricity. In this program, various advertising methods such as posters and stickers are being used to highlight the necessity and ways to conserve. HYU's Public Media Office releases content to raise awareness of wasteful water and electricity consumption and emphasize the importance of energy saving. Specific guidance is also offered on saving measures which are designed to result in high energy efficiency and savings. The implementation of these programs is an educational activity on energy efficiency and saving, and part of the university's efforts to solve the energy problems for a sustainable society. HYU expects to raise interest in energy issues relating to the concept of a sustainable society as well as to foster awareness of energy saving among school members.



• *Using Eco-Friendly Energy*

HYU is equipped with eco-friendly facilities that operate the cooling and heating of dormitories and libraries using geothermal heat. As a result, greenhouse gas emissions are reduced by minimizing carbon-intensive energy (oil and coal) use. Furthermore, HYU is in the process of changing all school lighting equipment with LEDs and is replacing approximately 6,000 lights with LEDs annually. Such efforts are expected to save more than 50 million won per year.

The University is steadfastly following the government's greenhouse gas reduction policy and has been engaged in greenhouse gas reduction activities. As a result, HYU earned an additional 7,726 tons of CO2 emission allowance by the government in 2021. The government has been running a greenhouse gas emission trading system to execute its greenhouse gas reduction action plan specified in Article 17 of the Kyoto Protocol. This is a system that allocates a certain amount of annual greenhouse gas emission allowance to workplaces that emit greenhouse gases. This allows the emissions at workplaces during times of energy shortages or excesses. HYU has shown a slight increase in annual greenhouse gas emissions since 2015 when the policy began, but serious implementation of policies to reduce greenhouse gases and energy conservation activities were acknowledged to have been effectiv.

• *Energy Management Regulations*

HYU is actively seeking to demonstrate its social responsibility by enacting regulations on the management and operation of greenhouse gas and energy targets. These regulations were established to manage the overall implementation of greenhouse gas emissions and energy consumption reduction goals made by the University. In order to manage and operate greenhouse gas and energy targets, the Greenhouse Gas and Energy Reduction Committee was launched by the heads of related departments and team leaders under the leadership of the executive vice president for Business and External Relations. The Committee is responsible for making decisions related to implementation and the budget of greenhouse gas emissions and energy consumption reduction. For efficient greenhouse gas and energy target management operations, organizations such as the Steering Committee, Advisory Committee, General Agency, Management Agency by Emission Source, and Implementation Agency have been created and are strictly managed.

The Facility Maintenance Team is the main team responsible for all matters concerning the establishment of greenhouse gas and energy reduction targets, implementation plans, performance reports, organizational boundaries for greenhouse gas and energy management, quality management (QC), and energy consumption data calculation

The Property Management Team, the General Affairs Team, and the Student Welfare Committee manage all emission sources and provide support for the entire university using their gained expertise, knowledge, and experience with related matters. The obligations of facility users are described in the Greenhouse Gas and Energy Target Management and Operation Regulations. These efforts reflect HYU's desire and willingness to participate in sustainable university management by stipulating that all buildings, facilities, and vehicles on campus actively participate in the management of greenhouse gas and energy.

HYU Waste Disposal Management System (SDG #6, #12, #14)

• *Treatment of Toxic Substances*

The Office of Campus Service and Management at HYU consists of the Campus Safety Team and Property Management Team. The Campus Safety Team and the Property Management Team are each responsible for campus safety management and campus maintenance and waste disposal. The Campus Safety Team is located on both campuses and is responsible for waste treatment and has developed a website to facilitate the safe transport of experimental waste for researchers and to monitor discharged materials. The website integrates and manages all safety related materials, including overall laboratory safety management education and waste disposal methods. It is also designed to help users quickly and accurately understand the waste treatment process involved by

posting discharge methods, collection dates, details, and related staff information depending on the type of waste involved. Moreover, the website is operated to promote safety and prevent accidents by explaining methods of waste disposal in detail. All research laboratories belonging to HYU are also supported with vehicles to transport waste depending on the experimental waste, waste reagents, and other types of experimental waste involved.



HYU has enacted radiation safety management regulations to set standards for the use, storage, transportation, disposal, and other handling of radioactive isotopes and radiation generating devices to prevent human, object, and public exposure and harm caused by radiation. According to the regulations, all solid radioactive waste is collected, stored, and disposed of, and then entrusted to the disposal company. Such regulations are enacted and executed in detail and focus on the safe management of radiation waste such as waste sealing, storage deadlines for disposal, and consignment disposal within three months from the date of disposal.

HYU is also conducting a real-name policy on laboratory waste. According to Article 3-2 of the Waste Control Act, businesses are encouraged to minimize waste emissions by recycling and improving manufacturing systems. The real-name policy aims to promote a culture of reducing laboratory waste by preventing laboratory emissions, promoting recycling, and reducing designated waste.

The Property Management Team and the Facility Maintenance Team offers environment education related to waste disposal safety for researchers every year. The education aims to have researchers dispose waste correctly and to reduce further waste. HYU strictly follows the Waste Control Act by managing specified waste and has a system that prevents toxic substance emissions from the laboratories.

• *Recycling*

To become an eco-friendly campus, HYU participated in the "Plastic Zero Go Go Challenge" held by the Korean Ministry of Environment in 2021. The campaign aimed to reduce disposable products and plastic usage in everyday life. HYU conducted various activities to create a "no plastic campus". First, a KRW100-300 discount campaign was launched for people using tumblers at campus coffee shops. Second, a tumbler cleaner was installed and operated on campus. There are three tumbler washing machines installed at HYU Plaza, the College of Engineering building, and the Paiknam Library and Academic Information Center. The biggest obstacle to using a tumbler was claimed to be washing issues as bathroom sinks were the only place for washing. The installation of the tumbler washing machines has been a success and a big step for the University toward creating a cleaner campus.

Numerous items are used in administration, research, and student activities at HYU. Over the years, these items have to be discarded and newly purchased and the types and amount of waste generated at this time account for a large portion of the total waste. The Property Management Team has enacted and implemented product management regulations for the recycling and operation of such waste. For instance, if an item is severely damaged and repair is impossible or is not economical due to excessive costs or if it is degraded, the Team will mark it as "out of service." Among these items, those that are considered worth recycling are sent to other teams in need or disassembled for other use. Efforts are made to minimize waste through donations such as to social welfare facilities when a returned good donation is requested.

HYU operates a student support group for the environment as part of its voluntary student activities. Through the "HEAL Project", members hold lectures and discussions on climate change and environmental issues and distribute promotional leaflets. Members also conduct various promotional activities such as the Youth Climate School, SNS card news releases, GREEN TALK, and interviews with The Hanyang Journal, a campus magazine. The Youth Climate School gives online and offline lectures with speakers from various fields related to climate change. The biggest goal of the Youth Climate School is to inform young people in an easy-to-understand way about climate change problems involving energy, consumption structure, policies, and industries. Next, under the theme of "responsibility for climate change and legitimate countermeasures", an online discussion through GREEN TALK is hosted. There has also been a special issue interview in The Hanyang Journal, issue 347

titled "The Green New Deal Resolutions" in which students' perspectives on the Green New Deal were discussed.





- ***Waste***

HYU measures and monitors all the waste including food and general waste through an online system (www.allbaro.or.kr). In compliance with the Waste Management Act, this system transparently manages the entire process from waste discharge to transportation and final treatment in real time. Universities are subject to environmental information disclosure and are required to register in the Environmental Information Disclosure Verification System (www.env-info.kr) to disclose the overall process of waste disposal through verification. Generated waste is first classified into recyclable waste, landfill waste, or food waste, and then classified into recyclable or landfill waste. There is a limit in reducing annual waste due to increasing construction disposal, but HYU constantly monitors and inspects its amount of waste disposal.

HYU Eco-Friendly Water Use Management System (SDG #6, #14)

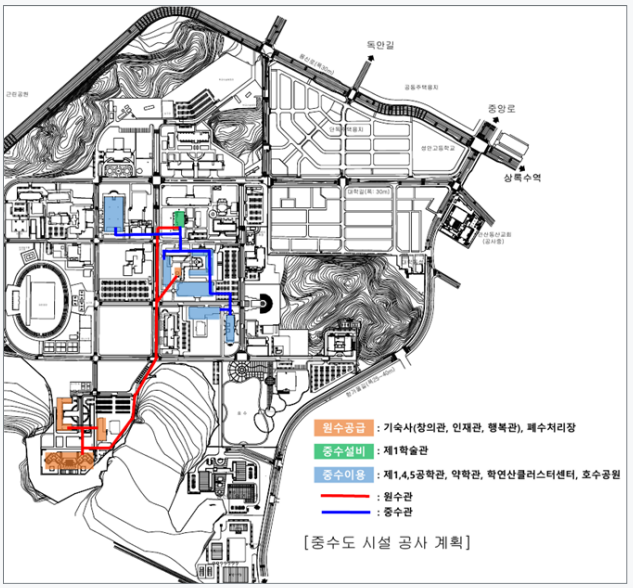
• *Measuring Water Usage*

HYU monitors and manages water usage in all buildings and campuses to secure stable water resources and to supply high-quality water. Each relevant department is notified with their water bill details every month according to the water usage meter of each building. Also, HYU encourages each department to use water sparingly by comparing usage with the same month of the previous year and providing guidance regarding the accumulated usage.

• *Effective Water Use Policy*

In energy-related projects, collaboration with local communities is essential. Ansan City in Gyeonggi Province, where the ERICA Campus is located, is one of Korea's representatives planned new cities which started with the creation of a national industrial complex. Ansan has factories in various fields including automobiles, PCBs, electronic parts, textile dyeing, paper, chemicals, and machinery, as it was planned around industrial areas from the urban planning stage. Many efforts have been made for the treatment of wastewater generated during the operation of the factories, and HYU has put a great deal of effort into the management of water resources. The University has completed the construction of a water supply facility through cooperation with Ansan City, and Gyeonggi Province to manage water consumption and promote a stable recycling policy. HYU will able to reduce water bills through this facility and reuse tap water once used for household water, industrial water, and toilets. The positive effects of water resource conservation are expected by reducing water consumption and sewage generation.

Along with the ERICA Campus Planning & Budgeting Team and the administration team of each college, the ERICA Campus Facility Maintenance Team monitors and discloses the water usage of the campus and introduces an energy incentive system for each department based on the results. The Facility Maintenance Team notifies each relevant department about their water bill details every month according to the water usage meter of each building. Since the program started, HYU has been conducting activities to encourage each department to use water economically by comparing usage with the same month of the previous year and providing guidance regarding the accumulative usage. Through the energy incentive system, the amount of water used in the previous year is compared and incentives are paid according to the amount of reduced water consumption in each college. The calculated incentives are included in the budget, and allocation is carried out as scholarships or experiment budgets. Energy use is continuously observed and managed by monitoring monthly water usage of each department and college. Furthermore, it is expected that the incentive system will prompt more efficient use of water by related departments and avoidance of unnecessary water use on campus.



[중수도 시설 공사 계획]

• *Wastewater Treatment*

HYU's daily wastewater and all wastewater generated by experimental activities are treated according to the laboratory safety management system. Various purification equipment for sewage and wastewater has been installed and preventive activities are carried out through continuous water quality inspections. HYU has installed an in-school water tank, indoor water supply pipes, wastewater treatment discharge water quality testing, a purification tank air supply system, and a deodorization cleaner. In sewage and waste treatment, water tank cleaning (twice/year), water quality inspection (once/year), indoor water pipe water quality measurement (once/2 years), discharged water quality measurement (once/month), and sewage and wastewater generated in the school are discharged after being sent to the Jungnang Water Regeneration Center. In addition, a new water supply for the student dormitory has been installed, and a booster pump has been connected to the water supply and the Dongbu Waterworks Office to prevent water pollution. Through these continuous efforts, HYU has established a process to always minimize the impact of pollutants on the surrounding water systems as well as in the event of an emergency.



• *Provision of Drinking Water*

HYU provides free drinking water to students, university members, and even visitors. Water purifiers are installed and operated throughout the campus in virtually all buildings to provide safe and healthy water to all users. Water purifiers that provided drinking water were already installed throughout the university, but additional water purifiers have been installed next to the student council room, club rooms, and major learning rooms, which are student autonomous spaces where many students spend time, making it easier for them to access drinking water. These additions are expected to help protect the environment by encouraging the use of personal cups and reducing the use of disposable items because separate disposable cups are not provided. Through this project, there is easy and safe access to drinking water which is monitored and managed by professional companies.

• *Building Standards*

New building projects are being carried out according to the Waterworks Act stipulated by national laws. According to Article 15 of the Waterworks Act, when building facilities are approved by local governments' ordinances, water-saving facilities must be installed to save and efficiently use tap water. Accordingly, HYU has constructed and will continue to build water-saving facilities in all buildings in new construction projects. In addition, assessments such as safety, insulation, power saving, and water saving in buildings, civil engineering, facilities, and electricity must be satisfied to be evaluated and obtain approval of the environmental impact in Seoul. Energy saving plans must be prepared and submitted before construction begins to obtain green building certification from the city, and HYU follows these rules accordingly. As a result, HYU gained Level 1 in the Green Standard for Energy and Environmental Design (G-SEED) for its new buildings.

◎ Cooperative System for Sustainable Society

Internalizing SDGs Using BSC (Balance Score Card) (SDG #17)

HYU's BSC system was first introduced in 2010 with the purpose of establishing an autonomous and responsible management system in which all members participate to set goals for their departments and strive to achieve them. Under the goal of "creating social values" in the 2030 Long-term Development Plan, HYU included elements to fulfill social responsibility in the BSC system. Specifically, among the 17 Sustainable Development Goals or SDGs proposed by the UN, relevant activities that can measure performance by department were set as BSC mandatory indicators. These efforts are expected to raise awareness of sustainable management and to manage and measure performance of existing sustainable management related activities. In addition, sustainable management-related

activities with local communities conducted by individual faculty and research institutes will be set as performance indicators for individual departments to promote diverse activities and to help HYU achieve its sustainable management goals.

Fostering Policymakers and Legislators (SDG #16)

• *Graduate School of Law*

The HYU Law School, the predecessor of HYU Graduate School of Law, was established in 1959. It has produced about 1,500 legal professionals, including supreme court justices. Since the Graduate School of Law opened in 2009, it has aimed to cultivate legal professionals who practice "Love in Deed and in Truth" based on Hanyang's founding philosophy urging students to become ethical legal practitioners who possess the legal acumen, moral rationale, and mental fortitude to be outstanding public figures who render the best rulings for the benefit of society. Law degrees at HYU are available at the master's and doctoral degree levels and courses are available at both the Graduate School of Law and the general Graduate School



• *MBA*

The HYU Graduate School of Business consists of 18 tracks in 3 programs including △ Hanyang MBA △ Professional MBA △ International MBA. A total of 150 lectures are held annually, which is the largest in Korea, and specialized programs are offered in various fields, ranging from culture and

arts, medical management, and information technology (IT), to meet students' individual career development needs. Students are professionals in various positions, including public officials, lawmakers, government-invested institution executives, legal professionals, doctors, and corporate executives, and lectures on various topics of management are provided. The HYU MBA, one of Korea's top business schools, has established the ESG Track within the Professional MBA program in 2021, which has recently emerged as one of the most important management concepts. In addition to creating economic value for companies, interest in ESG management with the environment and society is increasing, and thus HYU launched the first ESG program in the nation to cope with the international trend of launching various support measures. The HYU MBA is designed to maximize access to ESG education and produce ESG-focused professionals by simultaneously conducting all ESG tracks online and offline. Thus, courses online can be accessed anywhere including at companies, public institutions, and local governments. The program consists of a curriculum that can be applied directly into practice and provides opportunities to learn about global ESG management by providing students with opportunities to visit international leading companies or educational institutions..



• *Global CEO Program (G-CEO)*

The G-CEO program, a program aiming to produce global CEOs, offers a program that effectively introduces practical learning through online and offline programs and Blended Learning. The program is designed to combine the strengths of online classes that can be taken without time and place restrictions and among the strengths of offline classes is that they are highly concentrated and can increase networking. The program also provides networking opportunities for students in various fields including corporate executives, high-ranking government officials, government investment

agency executives, and legal professionals. Student can also learn about government policies and strategies for national growth engines. The faculty consists of professors from the HYU Business School and leaders from the field are invited as instructors to encourage students to think critically and solve issues about relevant problems for effective company growth.



- ***Graduate School of Public Policy***

Since its establishment in 1978, the HYU Graduate School of Public Policy has produced more than 5,000 graduates who have moved on to the public and private sectors, including the central and local governments, the National Assembly and local councils, law enforcement and judicial institutions, civic groups and social welfare institutions, businesses, and hospitals. The Graduate School aims to educate and train experts with knowledge of Korea's experience and achievements over the past 40 years. The program offers field-oriented, practical education to prepare graduates for their future careers. Six departments including administration, local autonomy, civil society, social welfare, medical administration, and law are involved in Industry-Coupled Problem Based Learning. The educational goal is to produce competent experts by covering essential theories and practices related to public policy, and having students understand and recognize key points in various fields to cultivate perspectives to reach solid solutions to political, economic, and social issues and conflicts.

Fostering Start-Ups with Local Communities (SDG #9)

As a part of the Campus Town Project in Seoul, HYU provides Scale-up Program support to start-ups attempting to raise awareness of ESG and solve urban problems. The program, which intensively supports mentoring, offers start-up spaces and investment attraction of business models and is a project conducted in collaboration with the Seoul Start-up Hub Seongsu in Seongdong-gu,

Seoul. Five start-up teams in the ESG field, including Covering (delivery and collection through multi-containers) and Moable (providing youth activity spaces using idle spaces in the city) were selected and provided with support in the form of free start-up spaces, mentoring, and assistance in attracting investment. To support ESG and urban problem-solving start-ups, the HYU Institute for Entrepreneurship is carrying out a mentoring program, where the mentors are professors who have over 30 years of investment and business cooperation experience with conglomerates and start-up companies.



Responses to Climate Change Through Research (SDG #13)

Rapid climate change and increasing human activity in cities are aggravating the thermal environment of city dwellers. It is predicted that if the temperature rises according to the current trend, temperatures on the Korean Peninsula at the end of the 21st century will rise by 5.7℃ from the present, and the number of illnesses and fatalities due to heat waves will increase rapidly. HYU launched the Urban TEMP Research Center to address and solve the urban thermal environment problem. The Center seeks to study various social and economic effects and find answers to questions related to ways to reduce urban heat-related damage through technological achievements and improve the quality of life and health and welfare of urban residents. The Center is participating in various policy making efforts to respond to climate change through close communication with government agencies. Based on climate change scenarios, the Research Center monitors and simulates the effects of reducing heat generation in urban spaces and various infrastructure to create alternative systems and designs for a comfortable thermal environment. Research is conducted in collaboration with the Korea Agency for Infrastructure Technology Advancement. Through these efforts, HYU expects to develop effective prevention and mitigation measures against the impact of climate change on urban spaces.

Resolving the Educational Gap: Education Volunteer Programs (SDG #4)

• *Discovery Center for Science and Technology for Young Scientists*

"Save the country through technological patriotism and technology education" is the belief held by Lyun-joon Kim, the founder of HYU. The HYU Discovery Center for Science and Technology for Young Scientists is an on-campus institution that is taking the lead in educating the youth in the spirit of technological patriotism. The Center was established to prepare for the decreasing rate of youth entering science and engineering colleges due to the nation's low birth rate. The Center offered its first science class in 1997 for middle and high school students across the country and is now educating students through various programs such as the mobile science classroom, engineering camp, and science lectures. Among these efforts, the Mobile Science Lab is a successful representative program that has been operating for about 20 years. It consists of a large, converted trailer that serves as a mobile science lab that visits elementary, middle, and high schools across the country to conduct science experiments and to educate. The FIESTA Camp is hosted in cooperation with the Korean Academy of Engineering and is conducted mainly for students from socially disadvantaged backgrounds who have few opportunities to experience science firsthand.



• *Gyeonggi & Ansan Science Valley Science Festival*

To generate interest in science by creating an atmosphere where science can be accessed easily and comfortably, the Gyeonggi & Ansan Science Valley Science Festival has been organized by the ERICA campus since 2013. Local organizations, schools, and companies have been participating annually.

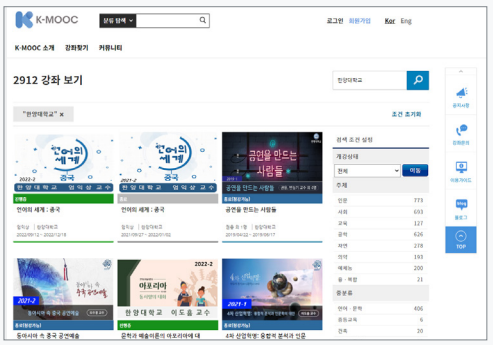
The 2022 Gyeonggi & Ansan Science Valley Science Festival was held offline after 3 years, and 65,000 visitors attended. The Festival was divided into 5 themes with 80 booths including the Answer Zone, Shine Zone, View Zone, Future Science Zone and G-Science Zone. Visitors had an enjoyable time experiencing various science programs.



• *K-MOOC*

The world's leading universities are competing to open MOOC courses and in line with this trend, Korea has also begun operating the K-MOOC project, led by the Ministry of Education and the National Lifelong Education Promotion Agency. K-MOOC has been continuously increasing the number of online courses. HYU is also contributing to the expansion of K-MOOC content by offering 40 courses online. As a result, HYU has been recognized for establishing its status as a Global MOOC Agreement Institution by signing an agreement with UK's Future-Learn, one of the world's four largest MOOC providers. World-class universities are making efforts to proactively expand their educational capabilities and HYU has also entered the global MOOC business successfully to enhance its global competitiveness.





• *Education Voluntary Service*

HYU signed an MOU with the Seoul Metropolitan Office of Education to support basic academic learning of elementary and secondary school students. This business agreement involves the Basic Education Guarantee Support Policy promoted by the Seoul Metropolitan Office of Education as one of its core educational policies. Thus far, it has improved the participation of prospective teachers as cooperative lecturers in regular education courses or supplementary instruction in after school programs.

Strengthening the role of universities as major cultural content providers in the local community (SDG #11)

• *Coexistence with the Local Community*

The Administration Building (History Museum) of the Seoul Campus has been designated as a registered cultural property by the Cultural Heritage Administration (CHA). Registered cultural properties are those designated and managed by CHA in recognition of their value and thus need for preservation as a modern cultural heritage. CHA designated the HYU Administration Building as a registered cultural property in recognition of its unique architectural style and historicity of HYU, which has produced key industrial talent and leaders since Korea's independence. The building was constructed as a stone structure in 1956, but after a fire in 1963, the current four-story Administration Building was rebuilt through extension work. Since then, the building has been transformed into a history



museum building in 2015 and an exhibition space that preserves the history of HYU while serving as a modern cultural heritage to members of the local community.
The HYU Track and Field is open to visitors and local residents seeking to maintain and/or improve their health. The field was reconstructed in 2020 and includes a polyurethane track, gymnastics facility, and basketball courts, as well as underground spaces that total 49 which can be used for meetings, club space, and/or training rooms. There is also a parking lot on the two basement floors directly below the field which can accommodate 863 cars. The field meets the international minimum standards for soccer fields. The basketball courts, running tracks, and fitness equipment are all built within the stadium.



HYU's Paiknam Library and Academic Information Center allows access to materials for Seongdong District residents. Anyone over the age of 19 who lives in Seongdong-gu can use the library. Only a resident ID confirming Seongdong-gu residency is required to enter and access various types of academic resources and materials at the library. The school's green spaces are also always open to local residents to freely use as rest areas.

The University Museum and Paiknam Music Hall host various events for local residents. Exhibitions on various subjects such as space science, calligraphy, the humanities, and literary classics are operated in the form of permanent and special exhibitions, and all exhibitions are operated free of charge to promote the cultural environment for HYU members and local residents. In addition, various themed exhibitions are planned and operated to re-illuminate the achievements of HYU faculty and alumni. As the main performance venue of the university, the Paiknam Music Hall hosts various performances that local residents can also enjoy, including regular concerts from students of the College of Music. By operating regular graduation concerts every semester, special concerts by alumni, and musical performances, HYU provides opportunities for local residents who do not have easy access to performing arts culture to enjoy at affordable prices.

Efforts to Improve Job Satisfaction of University Members (SDG #8)

HYU strives to promote economic growth and decent jobs. Specifically, the university is contributing to creating high-quality jobs through education in which companies and local communities participate together and is promoting policies to revitalize education in industry-academic cooperation. In addition, the University established an environment and welfare system that enhances the safety and satisfaction of its members and ensures everyone receives equal opportunities regardless of gender and/or academic background.

• *Labor Rights*

HYU pays all faculty and staff wages according to the Minimum Wage Act and the minimum wage system that stipulates the basic minimum wage for workers. Since the minimum wage is government determined, employers are legally bound to pay this amount or higher and any violation will result in criminal punishment. The amount is set in consideration of the cost of living of workers, labor productivity, and the wages of similar workers. HYU pays its employees more than the minimum wage and efforts are being made to do so not only for regular employees but also out-sourced workers, working scholarship students, and part-time students. In addition, HYU has implemented a wage policy that does not discriminate based on gender, religion, etc. by applying the Labor Standards Act and the Act on Equal Employment of Men and Women and Support for Work-Family Balance.

HYU is also working to guarantee the rights of out-sourced workers to ensure workers' rights which are viewed as a basic, good employment practice. Workers' rights have been marginalized in society, including college campuses and thus HYU is implementing policies such as guaranteeing the basic rights of workers when selecting outsourcing companies and allowing only companies that guarantee at least the minimum wage to apply. These efforts are part of HYU's pledge to provide a safe, satisfying, and fair campus for all.

• *Labor Union*

HYU's labor union was established in 1988. Since 2021, the 19th Labor Union Executive Department has been working to ensure the rights of workers on behalf of about 600 union members. The University is revising its policies to establish more favorable working conditions for union members to provide better welfare and to contribute more toward the development of universities and educational reform by providing high-quality jobs to union members, HYU is progressing in various ways, starting with its campus policies. In particular, the university is aiming for peaceful and cooperative coexistence with the labor union and to promote favorable relations, HYU's Office of General Affairs hosts Culture Day jointly with the labor union. In addition, the university respects the labor rights of union members and has implemented a wage policy that does not discriminate between female and male foreign union members. This amicable interaction between the labor union and HYU makes it possible for employees to freely express their opinions about their rights and pay, while ensuring that their opinions are heard.



05

University Value

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05 University Value

◎ Establishing Governance with Decentralized Autonomy and Responsibility

Creating value of the university administration can be achieved by supporting the successful implementation of education and research to produce quality outcomes. Building a strategic university asset management system through innovation in technology and university culture to secure future growth engines are the keys to successful university management. Achieving change and innovation based on performance and implementation rather than on one-dimensional administration for education and research are ways to achieve university values. HYU aims to achieve these goals by establishing specialized strategies for both the Seoul and ERICA Campuses and constructing an efficient governance structure to create student value by focusing on education and social value through research.

Campus Characterization (SDG #16)

HYU consists of the Seoul Campus located in Seongdong-gu, Seoul and the ERICA Campus located in Ansan, Gyeonggi Province. HYU is implementing various promotion policies for each campus which are expected to boost competitiveness and be helpful in procuring government-funded projects, improve evaluations by external institutions, and attract new students. To become a university that creates value for a better world, the Seoul and ERICA Campuses share the same direction for their visions but plan to establish and operate customized strategies to respond to the realities and crises of each campus. The overall aim is to maximize competitiveness and differentiate both campuses from each other while still sharing a common vision.

• *Seoul Campus: University Creating Global Social Value*

HYU has made continuous efforts and investments to enhance competitiveness in education and research, and consequently has achieved quantitative growth. However, during the same period, other universities have made similar investments and efforts and achieved similar levels of performance. In a situation where there were no significant differences with other universities, it was necessary to secure new competitiveness for future development. The strategic goal of HYU's Seoul Campus is to become a "global value-creating university". The University has implemented the BSC and department evaluation system to measure education, research, and management performance. Furthermore, it established an ESG management system to produce ESG experts and a personnel system to strengthen ESG capabilities.

• *ERICA Campus: Global Industry-University-Research Clustered University*

The ERICA Campus was opened in 1979 and it is located in Ansan, Gyeonggi Province. Most

universities in Korea that operate separate campuses either consolidate each campus into a single university and then either adopt a policy of separating campuses by academic focus or adopt a "same education and same research policies" approach for their separate campuses. However, HYU has established a strategy for establishing a new system by providing education on a different level from that of the main campus in Seoul by creating a development strategy for competitiveness that focuses on the campus' various strengths.

EAnsan is a planned city developed around an industrial complex. The ERICA Campus was established in line with the national policy of balanced national development and thus ERICA has developed into a campus that focuses on creating synergies among industry, academia, and research institutes. The experience of successfully implementing various government financial support projects such as LINC, PRIME, and BK21, as well as industry-university-research education and research infrastructure and experiences progressed through the IC-PBL program and on-the-job training, has provided a firmly grounded path for the future of the ERICA Campus. The University will continue to establish itself as a successful model that combines the university's vision with national policy and will continue its efforts to become a globally recognized education-research-industry cluster.

Responsibility Center Management (RCM) and Balanced Score Card (BSC) Improvement (SDG #16)

HYU is taking another step forward by creating unique university values and re-focusing its governance plans. The successful establishment of HYU's RCM system and BSC system has been a major accomplishment. Since the advent of the 4th Industrial Revolution, centralized development plans have been established in a situation where the participation and consensus among university members was lacking, and departments have not been significantly involved in voluntary goal setting or performance measurement. As participation from stakeholder is sometimes lacking, the vision and goals of the University have changed according to the vision of the president and the Hanyang University Foundation.

However, from the long-term development plan establishment stage, HYU determined that it was not realistic to expect the University to survive in Industry 4.0 under a centralized system alone. Through the RCM system, each administrative department sets its own budget and develops various performance indicators to enable budget operation according to performance. For the successful establishment of the RCM system, HYU strengthened the authority and responsibility of the college deans and promoted the BSC system together, allowing members to set their own department's vision, goals, and performance indicators. By setting goals and visions for each department cooperatively according to the development plan and vision established by HYU, individual departments are able to gain a sense of responsibility and achievement. Above all, the RCM and BSC systems serve as guides to achieve the best performance by drawing attention and participation from members.

◎ Establishing Public Institution Ethics as a Socially Responsible Institution

HYU is continuing its efforts to gain greater levels of respect within and outside society. Despite its accomplishments in research and education through its visions and policies, a university cannot survive if it is not respected for its ethics and fulfillment of social responsibilities. One of the longstanding goals of HYU has been to become an institution that is helpful in empowering its members for the sake of society.

ESG Sustainability Committee (SDG #16, #17)

HYU established the ESG Sustainability Committee as the highest decision-making body responsible for the University's ESG management. It is a decision-making body in which the head of each related department participates with the University president as the chairperson. The Seoul Campus involves the executive vice president, and the ERICA Campus has the campus' vice president as committee members. In order to reach consensus on ESG management for the Campuses, the Office of Planning organized the committee and the president participated. Through this committee, HYU will continue ESG management unique to the University by presenting a firm vision centered on constant improvement and development in safe, fair, and sustainable ways.

Ethics Charter and Financial Reporting (SDG #16, #17)

• *Ethics Charter*

In accordance with its founding philosophy of Love in Deed and Truth, HYU has produced intelligent and creative graduates who adhere to the principles of diligence, honesty, humility and service. HYU seeks to balance within its curricula, students who can conduct research of the highest global caliber while also actively participating in a variety of social services. During the past 80 years, HYU has played a pivotal role in the economic and social development of Korea. More recently, the University has been preparing for rapidly changing environments both domestically and overseas, while still emphasizing the importance of both education and service to Hanyang's members. HYU pledges to continue encouraging every member to do their utmost to comply with the University's code of ethical conduct by personally upholding Hanyang's regulations governing ethics and moral standards. For the purpose of advancing education, research, and community service, the Hanyang 100th Year Dream has been launched in which HYU members will continue to be encouraged to actively do their part as productive members of their own local and the global communities.

[Students' Code]

By adhering to the University's founding philosophy of Love in Deed and Truth, Hanyang's students pledge to work tirelessly on self-development to advance themselves as individuals of culture, professionalism, practicality, globalism, and humanitarians. They are l expected to contribute toward the development of the local, national, and global communities.

First, students will work diligently in their studies and strive to develop outstanding characteristics that will help them and others on the path to future success.

Second, students will respect the preferences and rights of others, including their differences in religions, opinions, and culture. Prejudice and intolerance are unacceptable.

Third, students will not engage in any unethical practices during their studies and allow their conscience and moral compass to guide their actions.

Fourth, students will respect professors and staff members by treating everyone respectfully and with dignity. They will also show proper respect for the University's resources and facilities.

Fifth, students will conduct themselves in a respectable manner when engaging in the University's activities both inside and outside of campus as individual and unofficial representatives of Hanyang University.

[Faculty's Code]

By adhering to the University's founding philosophy of Love in Deed and Truth, Hanyang faculty member pledge to contribute positively toward society by producing knowledgeable and responsible graduates who seek truth and peaceful ways to serve humanity.

First, professors must acknowledge and respect the variety of students' characters. Faculty members are expected to guide students and help cultivate their intelligent capacities and while being encouraged to follow moral judgments.

Second, professors will abide by proper methods of research and be responsible for the results. Professors will respect the studies and research of colleagues and fairly evaluate their work when asked to do so.

Third, professors will actively use their field of expertise and research findings for the benefit of other and thereby, contribute to the advancement of the country and humanity.

Fourth, professors will maintain the formality and dignity of an educator, maintain fairness and ethics, and will not use unjust means to seek personal profit.

Fifth, professors will adhere to the University's regulations and actively cooperate with the administration for the effective and successful operation of the University.

[Staff Code]

Staff members will adhere to the University's regulations and actively cooperate with the administration for the effective and successful operation of the University.

First, as administrative professionals, Hanyang's staff pledge their commitment to developing their individual areas of responsibilities in order to produce outstanding results.

Second, staff members will adhere to the regulations, rules, and codes of the University in carrying out their responsibilities especially while dealing with all Hanyang members in a dignified manner.

Third, staff members will strive to complete their duties fairly and quickly while maintaining courtesy and being helpful when dealing with professors, students, and/or their parents.

Fourth, staff members will not seek personal profit in connection with their work nor will they use personal or security-related information for unlawful gain.

Fifth, staff members will always maintain excellence in their conduct as unofficial representatives of Hanyang University.

• *Financial Reporting*

Transparent accounting management is the most basic and important aspect of ethical management. In order to maintain the trust and confidence of the stakeholders, HYU discloses all preliminary materials through the University website. The budget is transparently disclosed in the University's accounting practices including expenses accounting, affiliated hospital accounting, corporate general accounting, corporate income business accounting, and industry-academia cooperation group accounting. These practices are conducted in accordance with Article 14, Paragraph 4 of the Enforcement Decree of the Private Schools Act. The board of directors decide on all preliminary materials, and the minutes are disclosed on the website as well. .

Tuition fees are determined annually through the Tuition Review Committee in compliance with the regulations of the Committee. The Committee consists of a total of 11 people: 5 faculty members (Seoul Campus Student dean, Office of Planning dean, ERICA Student dean, Office of Planning and Public Relations dean, and 1 person recommended by the HYU president), 5 student representatives (Seoul Campus Student Council president, ERICA Campus Student Council president, Graduate School Student Council president, 1 person recommended by the Seoul Campus Student Council president, 1 person recommended by the ERICA Campus Student Council president) and 1 expert recommended by the HYU president. All matters discussed by the Tuition Review Committee are disclosed on the school website.

◎ Efforts to Eliminate Inequality on Campus

Configuration and Policies (SDG #10)

HYU does not discriminate based on gender, origin, nor disability and welcomes people from various backgrounds as its members. Efforts are being made to protect the human rights of the socially disadvantaged and these endeavors are specified in relevant matters including recruitment notices when hiring faculty and staff.

University without Discrimination - Disabilities (SDG #10)

• *College Life*

HYU plans and operates various programs for the disabled as a commitment to providing opportunities for all students to learn, socialize, and develop without discrimination. First, there is a system for helping students with disabilities that serves as a link among students in the form of a college life support service for the purpose of providing convenience to students with disabilities and improving their learning abilities. It is also a volunteer activity that provides learning support through writing, typing, tutoring, and so on, along with mobility support, and living support services. Helpers can attend classes to help students in their studies and participants include teaching and learning support assistants, mobility support assistants, and living support assistants. In addition, HYU provides manual wheelchairs, height adjustable desks, reading desks, computers, laser printers, various books, comfort chairs, body massagers, beds, refrigerators, microwaves, and lockers for students with disabilities.



• *Education*

HYU has established regulations to protect and support students with disabilities so that they can receive education without discrimination or not be disadvantaged in admissions and in their studies. By enacting a separate provision to support students with disabilities, HYU has prepared additional measures to support these students and protect their human rights. For instance, HYU provides priority registration of classes for these students. In addition, there are separate reading rooms in the libraries and HYU also has employment-related programs that provide them with support for career employment. By offering such support for various job-related activities such as internships and a work scholarship, HYU is increasing accessibility for the disabled as well as making efforts to create a better society where everyone can pursue their dreams and achieve their goals.

• *Residence*

HYU is paying close attention to the housing welfare of students with disabilities. Student Dormitory 5 accepts applications for students who have both parents living outside the Seoul area. Students with a physical disability (level 3 or higher) and are residents of Seoul are also eligible to apply for dormitory accommodations, thereby guaranteeing the right to housing. Students with physical disabilities, students receiving National Basic Living Security financial aid, and students who have been raised in child welfare facilities outside of Seoul are granted priority for dormitory residence. The cost of single rooms for the disabled and normal double rooms during the semester and on holidays are the same.

University Without Discrimination - Addressing Gender Equality (SDG #5)

• *Gender Equality Policy - Faculty and Staff*

HYU specifies matters related to childbirth in the Employee Service Regulations to assist working mothers, and follows related articles under the Labor Standards Law and the Law on Gender Equality of Employment and Support for Work-family Balance. A woman who is pregnant or gave birth within a year is not allowed to work in a dangerous environment and cannot be asked to work during the hours between 10:00pm and 6:00am and on weekends. In addition, even if there is a collective agreement, pregnant women are not allowed to work overtime exceeding 2 hours a day, 6 hours per week, or 150 hours per year, and are assigned less stressful and demanding work. Maternity leave allows pregnant women 90 days of leave before and after childbirth, and must exceed 45 days after childbirth. They are required to return to a job the same or similar to the work before the leave. In the case of paternity leave, 3 days or more must be given within the range of 5 days, and the first 3 days of the leave are paid. Unfavorable treatment such as dismissal or disciplinary action shall not be taken based on fertility treatment leave for receiving treatment such as artificial insemination or in vitro fertilization. The application process and procedures for fertility treatment leave are stipulated.

• *Student Support*

HYU opened the WE-HY Center to operate and manage the Hanyang Women's Engineering Talent Development Project. The Center is an institution that supports women in the engineering field to assist them in developing into future engineering leaders. It operates various programs and training courses in four parts: education, career, employment and entrepreneurship, culture and infrastructure, and global leader. The Center helps students to strengthen their competencies and is home to the WE-HY Lounge which is a space for female engineering students. Although mainly for female students, male students can also participate in various programs offered by the Center. One of the Center's goals is to create opportunities for female and male students to work together and to prepare female engineers to work in harmony with their male counterpart engineers. In addition, the Center provides opportunities for students to listen to a wide range of topics and to learn about academic and career paths from professors and senior classmates. A career guidebook is published to share useful information with various students.

• *Committees and Organizations*

Education and Research Policy

The Hanyang Sexual Minority Human Rights Committee is an official student self-governing body and a special central committee that was established with the approval of the student council. The Committee was officially approved to work for LGBT rights through the efforts of the student members for gender equality. The committee provides LGBT students with a place to relax and rest physically and mentally and aims to reduce any discrimination and hostility against the students.

Administrative Agency

The HYU Human Rights Center is working toward promoting on-campus ethical awareness in the form of respect for human rights and gender equality. The Center provides consultation and deals with cases of human rights violations including sexual harassment and violence. It also conducts human rights education and public activities to spread awareness and understanding, and to promote respect for the dignity and equal rights of all human beings. Through defined procedures, the Center can engage in disciplinary action against perpetrators and provide counseling and follow up management to victims. In addition, the Human Rights Center conducts sexual harassment and assault prevention education and distributes flyers with information about human rights issues on campus. Various programs are planned and implemented to protect the human rights of all university members. Through these activities, the Center aims to spread awareness of gender equality beyond the university to achieve a society where everyone is deemed equal regardless of gender, race, or minority status.

HYU operates the Hanyang Daycare Center for all members who need childcare solutions. This resource is an effort for the University to interact with the local community while promoting gender equality in the workplace. The Center gives priority to faculty and staff with children and through its operation, HYU is contributing toward the improvement of academic and job achievement, job immersion, work efficiency, and job satisfaction by enabling working parents to conduct their duties with less worries. Moreover, the Center seeks to provide quality education and to share its high-quality childcare programs with the local community.

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Evaluation

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06 Evaluation

◎ Social Impact Measurement Results

Social Impact Measurement Stages

For social impact measurement, HYU followed the stages below.

First Step Division of social impact according to 5 categories

* 5 Social Impact Categories

1. Economic Impact
Impact caused by the existence of HYU (direct, indirect, induced income effect, economic effect of start-up support)

2. Human Capital Impact
Ripple effect of human capital produced by HYU (impact of supplying human capital and increasing productivity through education)

3. Knowledge Impact
Knowledge production effect created by HYU (knowledge production and sales effect, intellectual property rights, thesis, technology transfer, R&D effect)

4. Community Impact
Social effect from HYU contributing to the local community (provision of fair educational opportunities, social service, community contribution, support for small, medium-sized enterprises/start-ups)

5. Environmental Impact
Impact of HYU on the environment through eco-friendly research and extracurricular activities

Second Step Social impacts achieved during 2021 were classified according to five categories above, and correlation with UN SDGs were determined for each social impact.

*Detailed Social Impact Indicators for Each Category

Community Impact

① Operate community service programs for the local community
② Contribute to the local community by making the school library accessible
③ Contribute to the local community by sharing cultural art infrastructure
④ Operate mental health programs for school members
⑤ Operate programs to cultivate respect for human rights
⑥ Establish guidelines to prevent sexual violence and provideive gender equality education
⑦ Support services for disabled members
⑧ Operate legal counseling service clinic
⑨ Promote health through campaigns
⑩ Provide assistance with employment
⑪ Open the campus and parking spaces to the local community
⑫ Human resources support for corporations



Knowledge Impact

① Knowledge production and sharing through research
② Register intellectual property rights through research
③ Technology transfer through research
④ Produce and share practical knowledge through IC-PBL
⑤ Spread knowledge through public lecture support
⑥ Contribute to the development of an impact ecosystem by producing and sharing social innovation knowledge



Human Capital Impact

① Encourage admissions of the underprivileged in the admission process
② Support educational completion for the underprivileged
③ Improve educational quality by securing additional resources
④ Conduct start-up education and train young entrepreneurs
⑤ Strengthen human resources through high-quality education
⑥ Operate field training courses



Environmental Impact

① Manage water usage and promote recycling through policies
② Prevent water pollution by establishing wastewater treatment process
③ Operate system for carbon reduction and management
④ Boost efforts to reduce food waste on campus



Economic Impact

① Increase incomes by creating local jobs
② Contribute to the national economy through tax payment
③ Procure products and services from local communities and promote sustainability for companies
④ Support start-ups and related activities
⑤ Boost local economic vitality through revitalizing start-ups
⑥ Reduce housing costs by providing dormitory housing
⑦ Provide healthy and affordable food options
⑧ Eliminate wage discrimination based on gender



Third Step

The social impact of each detailed indicator derived above was converted into monetary value to derive the result value.

Example 1. Prevent water pollution by establishing a wastewater treatment process

Impact Formula	Amount of wastewater treated through wastewater treatment process (tons) * Environmental cost of untreated wastewater (tons)

Source (Cost) Delft University of Technology, Ecocosts emission 2022 V1.1

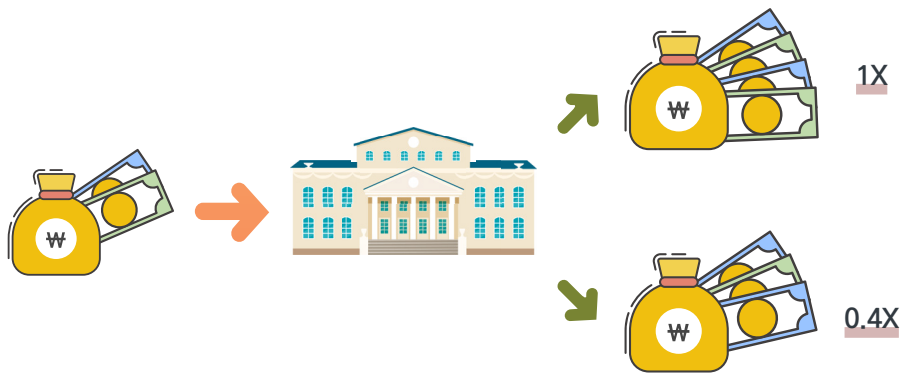
Example 2. Operating a process for carbon management and reduction

Impact Formula	Secured Carbon Credits (tons) * Environmental cost of carbon emissions (tons)

Source (Cost) PwC Methodology Report, Carbon ecocost

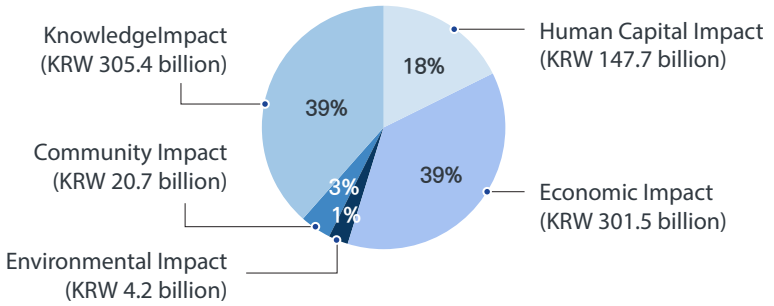
Social Impact Measurement Results

Based on the above steps, the social impact of HYU in 2021 is about KRW 779.4 billion. HYU invested KRW 551.3 billion in 2021 creating 1.4 times the social impact of the input. This means that if KRW 10,000 is invested, an average of KRW 14,000 in social impact is created and returned to society in various ways.

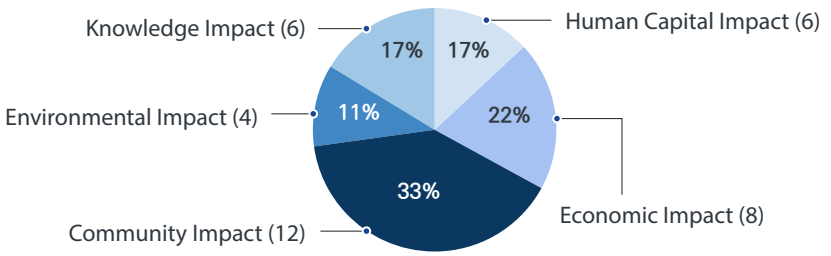


As HYU is a higher education institution that teaches and shares knowledge, the knowledge impact and Economic Impact are accounted for each 39% of the whole social impact. human capital impact followed as the second biggest social impact, which shows HYU has performed well in its original role as a university. Although community and environmental impact were comparatively disappointing when they were converted to monetary value, community impact held the largest proportion in terms of the number of activities done for each category. This shows that HYU variously attempted to fulfill its social responsibility with its original role as a university.

5 Social Impact Category Ratio – Size (%)



5 Social Impact Category Ratio - Number (%)



This study is significant for analyzing the social impact created by HYU through its development strategies in terms of monetary value. It also contains HYU's concerns about what kind of effect and support the University provides to the society and beyond.

HYU will continue to regularly measure its social impact annually to reflect the direction the University is heading in to become 'the best for a better world'.

HANYANG UNIVERSITY
SUSTAINABILITY
REPORT
2022

07

Appendix

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