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KOREA UNIVERSITY
SEJONG CAMPUS

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KU SEJONG 2026 **Vol.10**

Publisher	Yang Jiwoon
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Publishing Source	Korea University Sejong Campus
Editing Source	Public Relations & Fund Management Team Tel. 044-860-1403 Fax. 044-860-1004 E-mail. kuszine@korea.ac.kr
Planning	Public Relations & Fund Management Team
Reporting·Photo	Public Relations & Fund Management Team KU Sejong Student PR Team
Design Production	Goodnalc (02-334-1215)

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COVER STORY

Leaping Forward as the Center of Future through Educational and Research Innovation

Ji-Woon Yang, The 20th Executive Vice President for Sejong Campus, Korea University

Amid the structural crisis of artificial intelligence, digital transformation, and declining school age population, universities are facing a tremendous wave of change. Korea University Sejong Campus has transformed crises into opportunities for innovation and has achieved results in research and education comparable to major universities in the metropolitan area. Korea University Sejong Campus, which celebrated its 45th anniversary this year, is now preparing for another challenge to leap forward as the best private university in non-metropolitan areas. We met with Vice President Yang Jiwoon, who was inaugurated as the 19th Sejong Vice President on September 1, 2025, to hear about the vision he envisions and educational innovation.

Q. Hello, Vice President Yang Jiwoon. It is a pleasure to meet you. How do you feel about being inaugurated as Vice President of Korea University Sejong Campus?

I feel a heavy sense of responsibility in taking on the significant position of Sejong Vice President. Our university received an insufficient grade in the 2015 University Structural Reform Evaluation and experienced difficulties with enrollment reduction and restrictions on financial support. However, through the dedication and efforts of all faculty, staff, and students, we achieved the highest grade in the 2016 reevaluation and the restrictions were lifted. Subsequently, we also received the highest grade consecutively in the 2018 and 2021 University Basic Competency Assessments. In addition, we have proven our educational and research competitiveness by successively winning major government projects including the University Innovation Support Project, LINC, RIS, BK21, Semiconductor Specialization, SW-Centered University, and RISE. Based on these achievements, I will actively respond to the challenges that lie ahead.

Q. Korea University Sejong Campus celebrated its 45th anniversary this year. We are curious about your unique vision and goals as Vice President.

I aim not to remain focused on short-term achievements but to prepare for the structural changes that lie ahead. The advent of a super-intelligent society based on artificial intelligence and the sharp decline in the school-age population are challenges that our university must address. The OECD and WEF predict that within the next 5 to 10 years, not only simple labor but also some professional occupations could be replaced by AI and automation technology. If we adhere only to existing educational methods, the university will inevitably become obsolete. Sejong Campus must transform into a university that cultivates human resources suited for new industries and jobs. Furthermore, according to Statistics Korea projections, high school graduates in 2035 will decrease by more than 30% compared to the present, and the overall university enrollment rate is expected to remain in the 60% range. Even in this situation, I will establish a foundation so that Sejong Campus can create new opportunities beyond mere survival.

Q. In the changing environment of AI and digital transformation, what direction do you believe our university's education should take?

Educational innovation is the key to the university's sustainable growth. We must prepare curricula that respond to newly created jobs, not education tailored to disappearing jobs. To this end, we are promoting the establishment of AI convergence majors for all departments, and once feasibility is confirmed, we will spare no effort in faculty recruitment and administrative and financial support. The 'SEMO class' that I introduced during my time as Planning Director and Director of the Center for Educational Innovation has been established as a flipped class model representing Sejong Campus. Going forward, we will continue to develop Sejong Campus's own competitive educational model through educational innovation that leads the times.

Q. In terms of the university's research and innovation, what areas or directions do you consider most important going forward?

Over the past 10 years, Sejong Campus has achieved results comparable to major universities in the metropolitan area in research funding and publications in international academic journals. In the future, we will concentrate on research in new business fields based on AI and convergence technology so that Sejong Campus can become a research hub at the forefront of change. At the same time, we will actively introduce AI for simple administrative tasks to increase efficiency so that faculty and researchers can devote themselves to their original research and education. For example, we will strengthen administrative efficiency by having AI support tasks such as course scheduling and classroom assignment, regulation searches and document summarization, evaluation indicator calculation and report draft preparation.

Q. What do you believe are the unique strengths and distinguishing factors of our university?

The Sejong Campus possesses a proven track record of transforming crises into opportunities. Since the challenges faced in 2015, the campus has successfully shed its previous negative image by achieving the highest evaluation ratings for three consecutive cycles. Furthermore, we have established robust educational innovation capabilities through the successful integration of the SEMO class system. Our competitiveness has been further validated by securing major government-funded projects and delivering significant research outcomes. Concurrently, Sejong City is emerging as a new administrative capital, highlighted by the establishment of the Sejong National Assembly Hall and the planned relocation of the Presidential Office. By capitalizing on these locational advantages, the Sejong Campus is positioned to turn the trend of metropolitan centralization into a strategic opportunity for growth.

Q. In your view, what are the essential qualities of a 'good leader?'

I believe a good leader is someone who goes beyond merely improving performance metrics to actively fostering the vitality and morale of organization members while building a sustainable system. I intend to prioritize faculty- and student-centered administrative services as a core value, rather than focusing solely on short-term, index-driven results. To achieve this, I will proactively implement AI-based administrative automation to reduce simple, repetitive tasks. This will create an environment where faculty and staff can dedicate their expertise to creative and strategic endeavors.

Q. What is your vision for the future growth of our university?

I envision the Sejong Campus evolving into the premier private university outside the Seoul metropolitan area. To realize this goal, I will facilitate our entry into the Joint Campus and establish a system where all departments can create synergy by launching AI-integrated departments and multidisciplinary majors. By combining the prestigious brand value of Korea University, Sejong City's status as the new administrative capital, and the Sejong Campus's AI-integrated educational model, we can transform the structural crises of a declining school-age population and metropolitan centralization into new opportunities for growth.

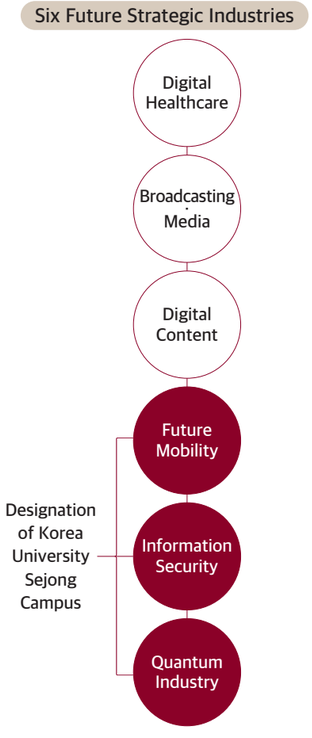
Q. Do you have a message for the university community, including students, faculty, staff, and alumni?

The faculty, staff, students, and alumni are the true protagonists who have shaped the Sejong Campus into what it is today. Moving forward, I will shift our core focus from performance-driven administration to providing services that offer practical benefits to every member of our community. For our students, we will strengthen academic and career counseling alongside welfare and psychological support. For our faculty, we will alleviate the administrative burdens of research fund management and curriculum operation to cultivate an environment where they can fully immerse themselves in research and teaching. Furthermore, for our staff, we will utilize AI-driven administrative support to foster a more vibrant working environment. If we all unite our efforts, the Sejong Campus will transcend current challenges and achieve a significant leap forward.

One Campus, One Future

Korea University Sejong Campus: At the Heart of Sejong City's Innovation

Korea University Sejong Campus has been selected for the Regional Innovation System & Education (RISE) project promoted by Sejong City, receiving the largest budget allocation among all participating universities. Moving forward, the campus will lead five major initiatives spearheaded by the city, including the establishment and operation of the 'Handuri Campus'—a project designed to integrate universities within Sejong into a unified campus network. Through these efforts, Korea University Sejong Campus aims to realize an innovative model that fosters organic cooperation between local government, business, research, and research institutes.



Designation as a Lead University for Future Strategic Industries

Korea University Sejong Campus has been designated as the lead university in three of the six future strategic industries identified by Sejong City: future mobility, cybersecurity, and quantum Technology. Furthermore, by being selected as the presiding institution for all five unit tasks promoted by Sejong City, the campus is set to play a pivotal role in both industrial development and the cultivation of specialized intellects. This achievement transcends mere participation in a project; it signifies that Korea University Sejong Campus has established itself as the central pillar in constructing the future industrial ecosystem envisioned by Sejong City.

Uniting Sejong through the 'Handuri Campus'

Korea University Sejong Campus has been selected as a core participant in the establishment and operation of the 'Handuri Campus,' the signature initiative of the Sejong RISE project. The 'Handuri Campus' is an innovative platform designed to operate all universities within Sejong City as a single, unified campus by interconnecting lectures, research equipment, dormitories, and facilities.

To realize this vision, Korea University Sejong Campus plans to provide a framework for shared lectures and facilities while building a robust human and material network for research and business cooperation. Additionally, by implementing various action strategie, such as the operation of multidisciplinary educational programs, the university intends to create a new educational environment that dissolves the boundaries between institutions, effectively transforming the entire Sejong region into a single campus.

Educational Innovation

In 2025, procedural steps will commence, including the formation of committees and the conduct of deliberations to facilitate institutional alignment and curriculum development among participating universities. Following this, extracurricular programs will be prioritized for initial operation, while the official launch of credit-bearing regular courses is scheduled to begin in earnest in 2026.

Through this initiative, students will be granted the autonomy to select and enroll in courses offered by various universities within Sejong City. Furthermore, they will gain shared access to infrastructure and research resources, including joint laboratories, libraries, and seminar rooms. These shifts are expected to support individual competency development by providing diverse learning opportunities, such as expanded course selection rights, academic exchange, multidisciplinary education, the broadening of global networks, and the diversification of major and liberal arts curricula.

Contract Departments and Employment-Linked Contract Labs

To execute the 'Cultivation of Specialized Human Resources for Future Strategic Industries,' one of the RISE project's core units, Korea University Sejong Campus plans to establish contract departments specializing in Cybersecurity, Digital Healthcare, and Future Mobility. Initially, the university will prioritize the promotion of employment-linked 'Contract Labs' centered on graduate-level research laboratories tailored to the specific demands of companies within future strategic industries. Subsequently, full-scale contract departments will be operated in collaboration with enterprises in the Future Mobility and Cybersecurity sectors. Through this approach, the university aims to establish a mutually beneficial ecosystem that provides students with stable employment opportunities while supplying industries with specialized personnel ready for immediate field deployment.

Building the Future of Sejong Together

Based on strategic alignment with Sejong City's policies, Korea University Sejong Campus has identified 16 feasible initiatives. Following a rigorous analysis of administrative, financial, and technical feasibility, these have been restructured into four core projects: Integrated research on education and childcare support to foster future human resources, the planning of a companion animal care service system to enhance the quality of life for citizens, research on future-oriented urban environments and mobility innovation, the establishment of plans for revitalizing local sports, commercial districts, and the utilization of multipurpose spaces.

In advance, Korea University Sejong Campus plans to establish an integrated innovation system encompassing the cultivation of intellectuals for future strategic industries, collaborative research between local community, industry, university, and research, lifelong education, and the resolution of regional challenges. Through these efforts, the university will lay the foundation for mutual growth between the institution and the region, leading future strategic industries and addressing local societal issues. These initiatives are expected to contribute to increasing local residency rates, promoting population inflow, ensuring sustainable urban development through the creation of a Smart City, and revitalizing the regional economy.

Beyond the Region, Toward the World: A New Leap Forward - VISION 2030

Korea University Sejong Campus is preparing for a major transformation into a global, future-innovative university under its new vision: 'KU SEJONG: Leaping Beyond the Region and Toward the World Through Innovative Research and Education.' Centered on four strategic pillars: Research, Education, Research and Business Cooperation, and University Management, the campus is expected to establish itself as a world-class education and research hub. This transition will be bolstered by the campus's strategic location within the administrative capital, its integration with the national R&D belt, and a foundational commitment to AI and digital transformation.

KU SEJONG: Leaping Beyond the Region and Toward the World Through Innovative Research and Education

The VISION 2030, encapsulated by the slogan 'KU SEJONG: Leaping Beyond the Region and Toward the World Through Innovative Research and Education,' defines the new strategic direction for the Sejong Campus amidst a rapidly evolving educational and research landscape. In the face of multifaceted challenges, such as the decline in the school, age population, metropolitan centralization, the proliferation of Artificial Intelligence, and the restructuring of the national R&D framework, Korea University Sejong Campus is committed to serving as a vital bridge connecting the capital region, local communities, and the global stage.

Sejong City offers distinct advantages, including its status as the administrative capital, its integration with the Osong·Daedeok R&D Belt, and its link to strategic regional industries such as autonomous driving and smart city development. Building upon this foundation, Korea University Sejong Campus intends to inherit traditional standards of excellence in research and education while generating a global impact through its unique specialization in Sejong. Consequently, this vision represents a 'Leap-Up Strategy' designed to expand the university's accumulated problem-solving capabilities to a world-class level.

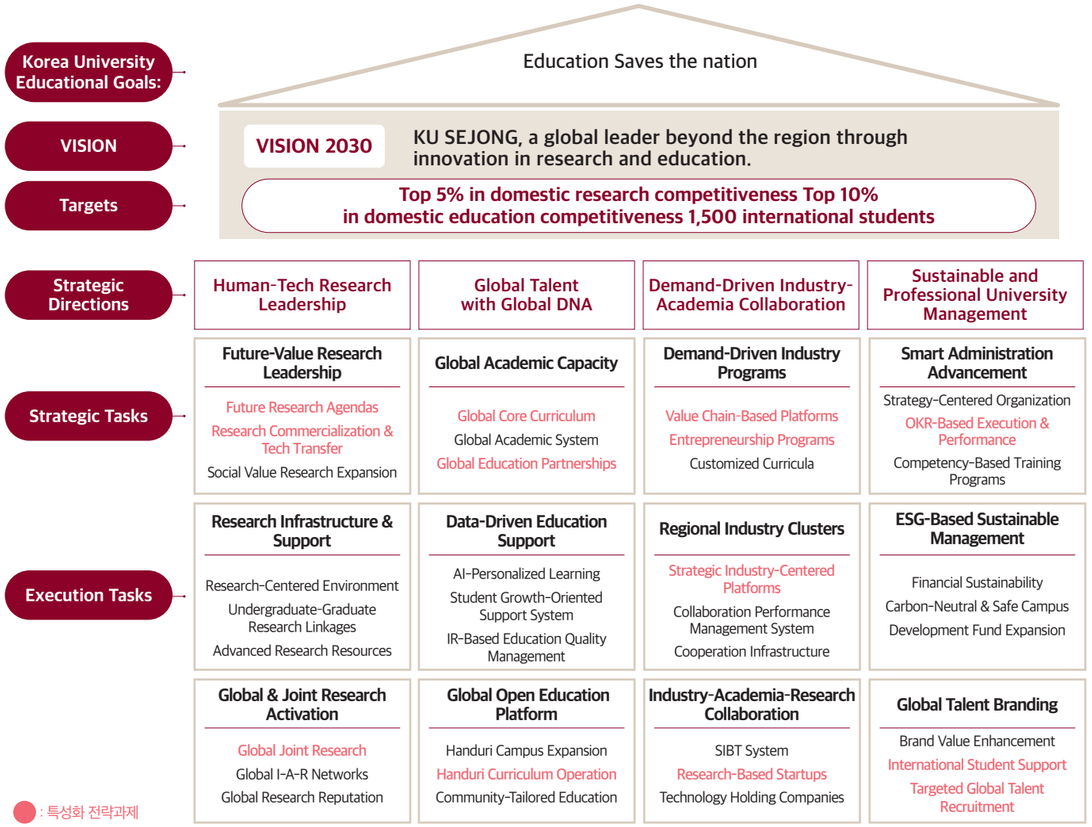
Four Strategic Directions and Action Plans

VISION 2030 is articulated through four primary pillars: Research, Education, Research and Business Cooperation, and University Management.

First, the Research sector focuses on resolving societal issues and driving sustainable development through the convergence of the humanities, social sciences, and science and technology. Leveraging the high research caliber of the Sejong Campus, we aim to discover new research agendas that contribute to social value creation. Furthermore, in alignment with the BK21 Graduate School Innovation Project (2025-2027), we plan to significantly expand international collaborative research.

Second, the Education sector aims to cultivate human resources equipped with 'Global DNA.' We will ensure that every student acquires fundamental skills in AI, digital literacy, and international collaboration. To support this, an AI-integrated curriculum will be introduced across all departments, supported by a customized student success system. Moreover, we intend to nurture competitive, multidisciplinary professionals by expanding internationalization pro-

2030 Vision House



● : 특성화 전략과제

grams, field-oriented research and business education, and ESG-focused curricula.

Third, the Research and Business sector focuses on revitalizing 'demand-driven' cooperation. We aspire to an innovative system that goes beyond mere technology supply to identify actual industrial demands and link them directly to university education and research. To this end, we will establish the Sejong Institute for Future Strategy and Business Transformation (SIBT) under the Sejong Research and Business Cooperation Foundation. This institute will provide a one-stop cooperation framework, spanning from prototyping and performance evaluation to commercialization, while strengthening ties with national research institutes, industrial enterprises, and local governments.

Finally, the University Management sector will enhance institutional sustainability and specialization through data-driven strategies, budgeting, and performance management. We aim to advance the university's Institutional Research (IR) capabilities and establish a real-time KPI monitoring system. Additionally, we will implement an AI-based administrative framework to improve administrative efficiency and service quality.

Distinction from Previous Visions

While the previous VISION 2025/2025+ focused on strengthening the university's fundamental capabilities in response to the declining school-age population, metropolitan centralization, and the COVID-19 pandemic, VISION 2030 takes this foundation a significant step further. This new roadmap transcends mere adaptation to change; it aims to propel the university into a global leader spearheading AI and digital transformation. In essence, whereas previous goals centered on internal stabilization, the current vision is distinguished by its focus on transitioning into a world-class research and educational hub.

Requirements for Successful Implementation

VISION 2030 is not a short-term project but a long-term strategy designed to guide the university through the year 2030. For its successful realization, several factors are essential: a stable governance system, the strengthening of AI and digital transformation competencies, the expansion of regional and global cooperation, and the procurement of sustainable financial resources. Furthermore, an implementation framework is required that allows all members of the university community to share the vision, monitor milestone achievements, and refine strategies as needed. This must be accompanied by broadened partnerships with Sejong City, neighboring research institutes, industrial enterprises, and international universities, alongside the expansion of educational and research infrastructure and the continuous development of faculty and staff expertise.

The Sejong Campus is already a 'small but powerful' university (강소대학) characterized by distinct competitiveness and specialization. Although a major university crisis is anticipated by 2035 due to demographic shifts, the campus is well-positioned to continue its growth and advancement based on its accumulated achievements and brand value. VISION 2030 is not merely a static document; it is a 'living vision' that requires the active participation and commitment of every member of the community. In the collective process of bringing this vision to life, the true leap forward for the Sejong Campus will be realized.

Connecting a Sustainable Tomorrow

Academic Information Center Receives Official UNESCO ESD Project Recognition

The “Sejong Youth Climate Action Mentoring - Speaking for the Planet for All” project, operated by Korea University Sejong Campus, has been officially recognized in 2025 as a UNESCO Education for Sustainable Development (ESD) project. Drawing attention as a model of educational innovation for sustainability, the project contributes meaningfully to achieving the Sustainable Development Goals (SDGs) by connecting universities, local communities, and youth through a shared learning model.

Official UNESCO ESD Recognition in 2025

Since 2019, the Sejong Academic Information Center has run the youth environmental mentoring program Speaking for the Planet for All for young people in Sejong City. In recognition of its outcomes, the program was certified as an official UNESCO ESD project from 2020 to 2023. It later expanded into a Sustainable Learning and Sharing Project in collaboration with the Center for Teaching and Learning. These continued efforts led to renewed UNESCO ESD recognition in 2025.

Planned and led by Korea University Sejong Campus, the project is a flagship community-linked education program in which university students and youth work together through mentoring to address environmental issues. Its long-standing UNESCO recognition highlights both its educational value and sustainability.

Building a Sustainable Education Model with Sejong City

After the previous certification period ended in 2023, the program continued to evolve. In August 2024, an MOU was signed with the Sejong City Office of Education to establish a cooperative framework. University students who completed the campus’s innovative SEMO (Student Engaged MOdular) Class then joined as mentors, expanding the program to include youth from the Sejong Youth Climate Action Council.

The program aims to support the implementation of the UN SDGs and address local environmental challenges. Its defining feature is a sustainable education model in which student mentors and youth mentees receive structured environmental education together and seek practical solutions through intergenerational dialogue.

The University’s Core Role

Through collaboration with the Sejong City Office of Education, Korea University Sejong Campus has laid the foundation for academic and research exchange and, together with the Sejong Institute for Lifelong Education, formed the Sejong ESD Regional Council. This partnership advances education for achieving the SDGs and enables the university to play a tangible role in local development.

To strengthen the mentoring program’s expertise and academic depth, the campus worked with the Center for Teaching and Learning to organize a mentor group centered on students who completed the SEMO Class. This systematic approach positions the university as both a hub of academic information and a focal point for local sustainable development.

During the mentoring process, university mentors and youth mentees jointly explored regional environmental and climate issues, conducting research and discussions using academic resources. Based on these efforts, the 2024-2025 Sejong Special Self-Governing City Climate Action Report (The Green) was published last February and distributed to the community. Activities have since expanded to include wetland ecology surveys and climate action campaigns.

Educational Innovation and Social Value

From an ESD perspective, the project demonstrates strong educational innovation. By sharing the university’s high-quality educational infrastructure and research capacity with the community, it provides youth with access to professional environmental education. Active collaboration with organizations such as Sejong Environmental Movement Union and the Sejong City government further strengthens community engagement.

The mentoring model—bringing together university students and youth—creates a virtuous cycle that links knowledge sharing, research, discussion, and action. As a result, expertise on environmental issues spreads naturally across generations and leads to concrete climate action.

Strengthening Student Capacity and Community Impact

The program is designed to encourage university students and youth to think and act together for the community. Centered on sustainable development and the global environment, it promotes knowledge transfer and intergenerational partnership while fostering a culture of collaboration to explore practical solutions.

Through this process, university students develop leadership and problem-solving skills as mentors, while youth deepen their understanding of environmental issues and their commitment to action, growing as active members of the community.

Mid- to Long-Term Vision and Scalability

Korea University Sejong Campus plans to continue strengthening its practice-oriented, community-linked mentoring system. Outcomes such as the climate action report, wetland ecology surveys, and climate campaigns demonstrate how this vision is translating into concrete results.

The MOU with the Sejong City Office of Education has secured the program’s continuity and scalability, contributing significantly to raising environmental awareness and fostering youth-led climate action within the community.

Moving forward, Korea University Sejong Campus will continue to advance the values of ESD and build a model in which universities and local communities grow together. This UNESCO ESD recognition marks both a key milestone in that journey and a new starting point toward a better future.

Sharing Learning, Creating Innovation

Center for Teaching & Learning Earns Official UNESCO ESD Project Recognition

Korea University Sejong Campus's innovative course model, "SEMO Class," has been officially recognized in 2025 as a UNESCO project for Education for Sustainable Development (ESD). This recognition affirms, at an international level, the university's educational innovation in implementing the core values of ESD through a learning model designed to explore community issues and emphasize learner-centered practice.

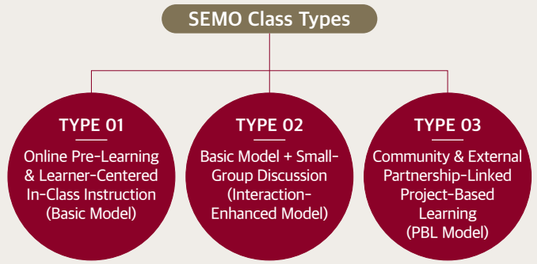
The UNESCO ESD Official Project Certification Program, operated by the Korean National Commission for UNESCO since 2011, aims to identify and disseminate exemplary ESD practices in Korea while internationally validating Korean-style ESD models.
In the 2025 call for certification, a total of 57 projects from local governments, universities, and corporations were submitted. Following a comprehensive evaluation of educational value, sustainability, and learner initiative, 23 projects were ultimately selected. Among them, the "SEMO Class Learning-Sharing Model" developed by the Center for Teaching & Learning at Korea University Sejong Campus was designated as an official UNESCO ESD project for 2025.

SEMO Class: A Learning-Sharing Model

SEMO Class (Student Engaged MOdular Class) is a flagship innovative teaching model at Korea University Sejong Campus, advancing beyond the traditional flipped-class approach. After acquiring foundational concepts through Pre-Class learning, students actively engage in discussion, hands-on activities, and problem-solving during In-Class sessions. This structure transforms class time from simple knowledge delivery into a space for deeper thinking, application, and collaborative learning.
SEMO Class is organized into three operational types. Type 01, the basic model, combines online pre-learning with learner-centered in-class activities, emphasizing discussion and applied practice. Type 02 builds upon this format by integrating small-group discussions to strengthen interaction and enable deeper dialogue among learners. Type 03 adopts a project-based learning approach connected with local communities and external organizations, bringing real social issues into the classroom and structuring the problem-solving process within the learning experience.

Classroom SEMO: Supporting Innovative Learning

To support the effective operation of SEMO Class, the university established "Classroom SEMO," a state-of-the-art hybrid learning space located on the first floor of the Mirae Building in 2022. Designed to foster creative learning and discussion, the space provides independent study areas, small-group collaboration zones, and advanced educational infrastructure. It serves as a foundation for discussion-, project-, and collaboration-centered SEMO Class instruction.



Strengthening Student Competence and Community Engagement

Building on the SEMO Class framework, the Center for Teaching & Learning has developed and operated the "SEMO Class Learning-Sharing Program" since 2023. This project-based course focuses on exploring local community issues and sharing learning outcomes, aiming to realize the value of community-oriented learning within the curriculum and extend academic experiences into practical community engagement.
In particular, the 2025 program involved projects where students applied their knowledge and skills to interact with diverse community groups—including elementary school students, multicultural immigrant women, and senior citizens in Sejong City. Through these initiatives, students experienced learning not only as participants but also as active contributors to their communities.
These activities have been recognized as meaningful outcomes of ESD practice, as they enabled learners to identify community needs and create change through action, moving beyond passive educational participation.

Long-Term Vision and Expansion

The UNESCO ESD certification highlights the international recognition of Korea University Sejong Campus's distinctive innovative teaching model and its educational impact.
The Center for Teaching & Learning plans to systematically expand the outcomes of the SEMO Class Learning-Sharing Program through a "Sustainable Learning-Sharing Initiative," ensuring that learning experiences continue to translate into long-term social practice. Through this effort, students will accumulate ongoing educational experiences in identifying and solving community challenges, while actively practicing the values of sustainable learning and community development.

Two Graduates from Korea University Sejong Campus Chosen for Sejong City Overseas Scholarship Program

Up to 100 Million Won in Study Abroad Support for Two Years…
Strengthening the Foundation for Global Human Resource Development

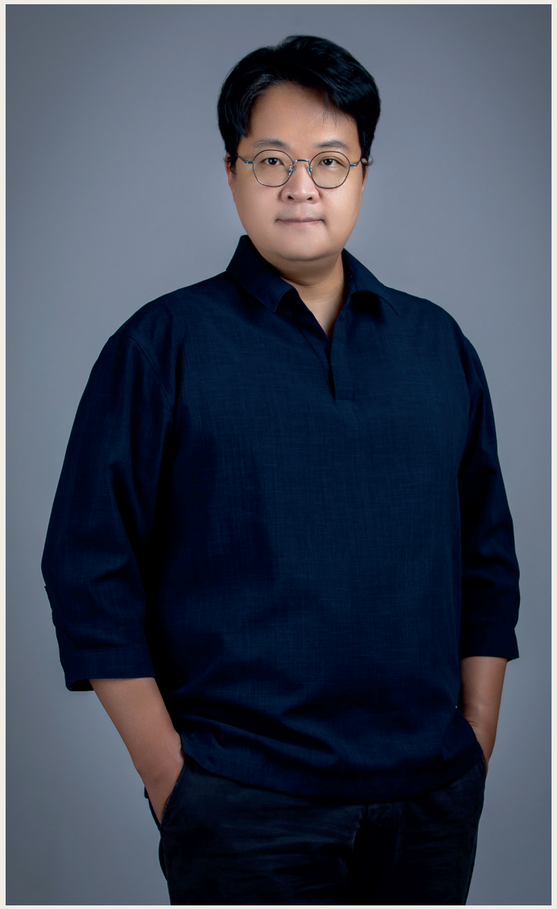
Two graduates of Korea University Sejong Campus have been finally selected for the 'Sejong City Overseas Scholarship Program,' through which they will receive up to 100 million won in study abroad funding over a maximum period of two years. This scholarship program is designed to support outstanding individuals residing in Sejong City in enhancing their global competencies through enrollment in overseas graduate schools. Last year, one student from Korea University Sejong Campus was also selected for the program.

The scholarship initiative is jointly operated by the Sejong City and the Sejong Human Resoures & Lifelong Education Development Foundation. On July 8, the '2025 Scholarship Certificate Award Ceremony' was held at the Sejong City Hall. At the ceremony, two alumni of Korea University Sejong Campus, Jung Minhwi (graduate of the Department of Archaeology and Art History, Graduate School) and Kang Minji (graduate of the College of Culture and Sports, majoring in Creative Writing and Media Studies), were officially selected as scholarship recipients.

Jung Minhwi is scheduled to begin a doctoral program in archaeology in Japan in 2026. Through systematic research on the raw materials, production techniques, and distribution networks of ancient metal crafts, Jung aims to establish a strong empirical foundation for academic study. Her long-term goal is to pursue a career at cultural heritage-related institutions and to grow as a researcher who investigates the historical significance of Korean metalcraft technologies and their position within East Asian and global history.

Relatedly, Kang Minji is preparing to pursue a master's degree in advertising and public relations in the United Kingdom. During her graduate studies, she plans to strengthen her expertise in data analysis and creative planning, thereby deepening her professional knowledge and practical competencies in advertising and marketing. Following her overseas studies, Kang aspires to work in Korea as an advertising planner and data marketing specialist, contributing to the enhancement of Sejong City's brand value and its global image through strategic marketing initiatives.

The selection of this year's scholarship recipients carries significant meaning beyond financial support for overseas study, as it demonstrates Sejong City's strong commitment to actively supporting the global advancement of talented individuals within the region. Korea University Sejong Campus will continue to foster global individuals who contribute to regional communities and national development through sustained research and business cooperation and human resource development programs.



This award reflects
our shared effort.
We remain committed to
Korea's semiconductor growth
and talent development.

Korea University Sejong Campus Professor Lee Jaewoo Receives Minister of Education's Commendation

Recognized for Contributions to Semiconductor Human Resource Cultivation Infrastructure
Selected as a Meritorious Contributor for the Advanced Industry Specialized University Financial Support Project

Professor Lee Jaewoo of the Department of Electronics and Information Engineering at Korea University Sejong Campus was honored with a citation from the Minister of Education at the '2024 Advanced Industry Specialized University Financial Support Project Meritorious Contributor Awards.' The ceremony, held at BEXCO in Busan, was jointly hosted by the Ministry of Education and the Korea Institute for Advancement of Technology (KIAT).

Professor Lee received this prestigious award in recognition of his significant contributions to establishing a semiconductor intellectual cultivation system. He currently serves as the Vice Director of Education for the Semiconductor Specialized University Support Project (Standalone Type) being conducted by Korea University Sejong Campus.

The Semiconductor Specialized University Support Project is a government-funded initiative aimed at nurturing core human resources for the domestic semiconductor industry. It focuses on enhancing students' vocational competencies through practical, industry-linked curricula. Through this project, Korea University Sejong Campus has taken a leading role in training the next generation of semiconductor technical professionals.

In his capacity as Vice Director of Education, Professor Lee has been actively involved in program planning and management. He has led multifaceted initiatives, including the advancement of specialized curricula and the reinforcement of industry-demand-based practical training, thereby successfully establishing a robust foundation for specialized semiconductor education.

The awards ceremony was held as a primary event of the 2024 Specialized UniWeek, which featured various programs designed to inspire students and strengthen their professional skills. During the event, a comprehensive platform for practical education and career development was provided through various sessions, including corporate job briefings, lectures by distinguished scholars, the half and half talk concert, and dedicated mentoring zones.

In his acceptance speech, Professor Lee remarked, "This award is the result of the collective cooperation and dedication of all our members. I will continue to do my utmost to advance the domestic semiconductor industry and cultivate outstanding human resources."

Professor Kim Sunghoon's Research Team
Develops Theranostics Microrobot Platform Capable of Integrated Treatment, Tracking, and Control via a Single Magnetic Field

A research team led by Professor Kim Sunghoon from the Department of Electronics and Information Engineering at Korea University Sejong Campus has developed the world's first 'All-in-One Electromagnetic Theranostics Microrobot Platform' based on Magnetic Particle Imaging (MPI) technology. This study introduces a system capable of integrated control—including precise tracking, locomotion, stimulation, and cell/drug delivery—using a single magnetic field system without the need for expensive medical imaging equipment. This achievement presents new possibilities for next-generation medical robotics and precision therapy. The research was published online in the July 2025 issue of the International Journal of Extreme Manufacturing (IF 21.3), one of the world's leading journals in the field of manufacturing.

Department of Electronic and Information Engineering
Professor Seong-hun Kim

WONKWANG University Department of Chemical Convergence Engineering
Professor So-Jung Gwak

Department of Electronic and Information Engineering
Wonil Song, Ph.D. Candidate

Department of Electronic and Information Engineering
Armando Ramos-Sebastian Ph.D

Department of Electronic and Information Engineering
Jaseong Lee, Ph.D. Candidate

Department of Electronic and Information Engineering
Dongmin Ji, Ph.D. Candidate

Conventional medical microrobot technologies have relied on external imaging devices such as CT, X-ray, or optical cameras for tracking, which have been limited by radiation exposure and high costs. In contrast, the platform proposed in this study utilizes only MPI signals to quantitatively track the concentration and location of magnetic materials in real-time, simultaneously enhancing patient safety and the precision of diagnosis and treatment.

Professor Kim's research team fabricated multifunctional soft microrobots by embedding a composite of superparamagnetic iron oxide nanoflowers and NdFeB magnetic particles into biocompatible alginate hydrogel. These robots possess the capabilities for MPI signal detection, high-precision positioning, thermal generation control, and cell/drug delivery. Notably, by presenting an optimized manufacturing process using multiple magnetic nanoparticles, the team successfully implemented stable multimodal functions within a single robot.

The developed microrobot demonstrated stable operation even in 3D flow systems mimicking actual blood flow environments, accurately reaching target sites to deliver cells and induce growth. Additionally, the team implemented a selective control technology for multiple microrobots, experimentally verifying a precision hyperthermia stimulation technique capable of performing localized magnetic thermal therapy on a specific robot only. This proved that selective treatment is possible while minimizing damage to healthy tissue.

Professor Kim stated, "This study is the world's first magnetic-based all-in-one theranostics platform that integrates localization, locomotion, therapy, and delivery into a single magnetic field system. We plan to pursue full-scale commercialization through future long-term in vivo experiments and animal model studies."

This research was supported by the Korea University Research Support Program and the National Research Foundation of Korea (NRF) with funding from the Ministry of Science and ICT (NRF-2022R1A2C1003381).

Professor Pack Seungpil and Dr. Yoon Hyojik
Realize Low-Cost, High-Efficiency Technology for Microalgae Biomass Harvesting

Department of Bioinformatics **Professor Seung-pil Baek**

A research team led by Professor Pack Seungpil from the Department of Biotechnology and Bioinformatics and Dr. Yoon Hyojik from the Institute of Natural Sciences at Korea University Sejong Campus has developed a new process for the economical harvesting of microalgae *biomass at a pilot scale. This study is recognized as a key technology for enhancing the commercial viability of fuel-grade biomass. The research paper was published in the February 2025 issue of Bioresource Technology (IF 9.7), a leading international journal in the field of agricultural engineering.

*Biomass: Organic matter derived from living organisms that can be utilized as a renewable resource for energy, such as fuel.

Microalgae have garnered significant attention as an eco-friendly energy source because their energy production per unit area is up to 100 times higher than that of first- and second-generation biomass, and they absorb carbon dioxide during their growth process. However, for the biomass industry to achieve economic commercialization, production costs must be reduced to one-tenth of current levels. The harvesting process, in particular, accounts for 20% to 30% of total production costs and has long been considered the most significant technical challenge.

To address this issue, the research team proposed a multi-stage harvesting system that combines the Dissolved Air Flotation (DAF) process with Screw Press Filtration. While traditional methods such as centrifugation or membrane filtration have shown limitations in terms of energy consumption and scalability, this new process reduces energy consumption by approximately 60% while enabling the continuous harvesting of more than 4 tons of microalgae per day.

Furthermore, this technology has been implemented at a pilot scale capable of processing up to 10 tons per day. By integrating this with the large-scale microalgae photobioreactor developed by Professor Shim Sangjun's research team at Korea University Seoul Campus, a fully integrated production system—from cultivation to harvesting—has been established.

Professor Pack stated, "This study provides a foundational technology that can be scaled up to microalgae biomass production processes on a scale of several hundred tons. It possesses the versatility to be applied not only to microalgae but also to other microorganism-based biomass."

This research was conducted with support from the National Research Foundation of Korea (NRF) through the Carbon to X (CtX) Technology Development Project and the Regional Leading Research Center (RLRC) Project.

Professors Ahn Junseong and So Sunae's Research Team
Develops a 'SERS-Based Stretchable Sensor Platform' for Monitoring Food Freshness Without Opening Packages

A joint research team led by Professors Ahn Junseong and So Sunae from the Department of Control and Instrumentation Engineering at Korea University Sejong Campus has developed a stretchable SERS-based smart packaging material that can monitor food freshness and safety in real time.

The technology allows users to check the freshness and safety of food without opening the package, enabling non-destructive monitoring of various food products such as meat, fish, vegetables, and fruits. With its strong applicability to food distribution and storage environments, the research is expected to significantly enhance food quality management. The research findings were published in the international materials and nanoscience journal Small (Impact Factor 13.0) in 2025 and were selected as a Back Cover article, highlighting the novelty and impact of the work.

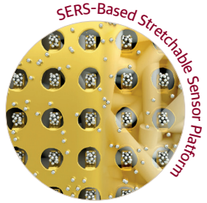
For the first time, the research team successfully applied a nano-transfer printing process, known as 'Electrostatic Direct Transfer Technology for Microstructures on Fibrous Substrates,' onto electrospun microfibers to create a highly sensitive SERS sensor. By detecting minute molecular changes through light scattering, the sensor enables real-time analysis of food freshness, nutritional components, spoilage, and potential harmful substances.

In addition, the team developed a highly stretchable, antibacterial fibrous packaging material and integrated it with the SERS sensor to build a flexible and practical smart packaging platform. This innovation overcomes the limited usability of conventional SERS sensors and expands their potential applications in real-world food packaging.

The sensor-integrated packaging can be utilized as a smart packaging solution, which continuously detects changes in food quality during distribution and storage. Without opening the package, users can identify spoilage or the presence of harmful substances, while the built-in antibacterial function helps delay deterioration, contributing to improved food freshness, enhanced safety, and reduced food waste.

The study was conducted with the participation of Professor Ha Jihwan of Hanbat National University (co-first author), students Yang Jinhyuk (co-first author) and Kim Dodam from Korea University Sejong Campus, along with Dr. Jung Junho of the Korea Institute of Machinery and Materials. Professors So Sunae and Ahn Junseong jointly supervised the research.

Department of Control and Instrumentation Engineering **Professor Ahn Junseong**



Department of Control and Instrumentation Engineering **Professor So Sunae**

Korea Institute of Machinery and Materials **Dr. Jung Junho**

Department of Electro-Mechanical Systems Engineering **Student Yang Jinhyuk**

Hanbat National University Department of Mechanical Engineering Assistant **Professor Ha Jhwan**

The research team expects that this technology will be effectively utilized for freshness monitoring and safety assessment in food distribution systems, contributing to reduced food waste and enhanced consumer safety.

This research was supported by the Ministry of Science and ICT, the Ministry of Trade, Industry and Energy, the Ministry of Culture, Sports and Tourism, and the Ministry of SMEs and Startups, through funding from the National Research Foundation of Korea.

Joint Research Team Led by Professor Seo Sungkyu
Identifies NK Cell Characteristics in Immunocompromised Patients Using Cellytics® NK for the First Time

A joint research team consisting of Professor Seo Sungkyu (Dept. of Electronics and Information Engineering) and Professor Jun Hyunsik (Dept. of Biotechnology and Bioinformatics) from Korea University Sejong Campus, Professors Kim Byungsoo and Kang Gawon (Dept. of Hematology-Oncology) from Korea University Anam Hospital, and Professor Nam Myunghyun (Dept. of Laboratory Medicine) has identified the Natural Killer (NK) cell characteristics of immunocompromised patients, such as those with blood cancer or bone marrow transplant recipients, for the first time in the world using the 'Cellytics® NK' platform. This research is evaluated as an achievement that presents new technical possibilities for rapidly and precisely analyzing a patient's immune status in clinical settings. The research results were published on August 31 in the internationally renowned academic journal Sensors and Actuators B: Chemical (IF 7.7).

Cellytics® NK is a holographic cell analysis platform developed by MetaImmuneTech Inc., which can rapidly separate NK cells from a patient's blood without damage and simultaneously perform quantitative analysis of cell count, activity, and functional characteristics. Conventional NK cell function evaluation had limitations in clinical application due to complicated procedures and long analysis times; however, this platform enables real-time immune status measurement based on Lens-free Shadow Imaging Technology (LSIT).

The research team used this platform to analyze the NK cell activity patterns of blood cancer and bone marrow transplant patients receiving treatment in sterile wards and identified them for the first time in the world. In particular, they proved that healthy individuals and immunocompromised patients can be clearly distinguished through unique indicators extracted from cell holograms, such as PPD, WSM-SD, and CSP, as well as the newly defined Innate Immune Index (I^3). Among these, the core indicator CSP showed a high diagnostic performance with an AUC of 0.95 or higher, presenting the possibility of patient-customized immune profiling.

This research achievement is drawing attention as a technology that can rapidly diagnose and continuously monitor a patient's immune status in various fields such as cancer treatment, infectious disease response, and personalized medicine. The research team plans to further establish clinical utility value by expanding the application scope to various patient groups through large-scale clinical studies in the future.

Department of Electronic and Information Engineering **Professor Seong-gyu Seo**

Department of Bioinformatics **Professor Hyeon-sik Jeon**

Professor Seo stated, "It is highly significant that we presented a technology capable of real-time analysis of immune cells in clinical settings by converging electronics and immunology." Professor Jun explained, "The Cellytics® NK platform will become an important tool for patient-customized immunotherapy and research by greatly improving analysis speed and accuracy."

Forging ahead, this research was conducted with support from the National Research Foundation of Korea (NRF) Mid-career Researcher Support Program, the Institute of Information & Communications Technology Planning & Evaluation (IITP) University ICT Research Center (ITRC) project, the Korea Foundation for Advancement of Science and Technology (K-Bio) National Research Equipment Competitiveness Enhancement project, and the Osong Medical Innovation Foundation Next-generation Medical Device Development project.

Exchange Student Dreams Under Endless Coastlines and Blue Skies: Meeting University of West Florida

The University of West Florida (UWF), located in Pensacola, Florida, is a public university founded in 1963. It fosters a global perspective in its students through practical-oriented education and strong connections with the local community. In this interview, we discuss UWF's educational philosophy, its programs, and the opportunities provided through the exchange between our two universities.

Please provide a brief introduction of UWF.

The University of West Florida (UWF), a public comprehensive university founded in 1963, is situated in Pensacola, a coastal city in the northwestern region of Florida. Currently, the institution serves approximately 13,000 students enrolled across undergraduate, master's, and doctoral programs. Students at UWF benefit from a highly personalized educational experience, facilitated by a welcoming local community, the scenic coastlines of the Gulf of Mexico, and a profound historical and cultural heritage.

The university is distinguished by its commitment to student-centered education, achieved through small class sizes and close academic mentorship. Leveraging its tight-knit cooperation with the local community, UWF provides a wealth of practical experience opportunities, including professional internships, volunteer initiatives, and diverse cultural programs designed to foster a global perspective.

What are the primary educational components and distinguishing characteristics of the UWF, and what innovative milestones has the institution achieved?

The UWF prioritizes interdisciplinary, hands-on education designed to cultivate practical problem-solving skills, demonstrating particular excellence in the fields of cybersecurity, environmental science, health sciences, and business.

For instance, our health programs integrate cutting-edge technologies such as Virtual Reality (VR) into the curriculum. In the realm of cybersecurity, the university's expertise is nationally recognized, as evidenced by its designation as a National Center of Academic Excellence in Cyber Defense (CAE-CD) by the National Security Agency (NSA) and the Department of Homeland Security (DHS). Furthermore, UWF actively fosters student creativity and research proficiency by providing undergraduate research opportunities that allow students to engage in substantive scholarly projects alongside our distinguished faculty.

Please describe the location of the UWF and the specific advantages of its learning environment.

The UWF is situated in close proximity to the Gulf of Mexico, providing students with a unique opportunity to engage in a wide array of outdoor activities, including kayaking, hiking, and various beach-related pursuits. The campus itself spans approximately 1,600 acres, offering an optimal setting where students can seamlessly balance rigorous academic study with relaxation amidst a natural landscape.

Furthermore, our institution emphasizes small class sizes to facilitate intimate interaction between students and faculty members. We maintain a campus culture that deeply values diversity and inclusion, supported by a broad range of specialized programs and cultural events tailored for international students. Within this safe and welcoming community, students are empowered to pursue their academic goals while experiencing significant personal growth.

Could you elaborate on the primary programs available to assist students in maximizing their university experience?

The UWF operates a diverse array of programs dedicated to fostering the academic, social, and personal growth of our students. For instance, the 'Argo Arrival' program is specifically designed to aid incoming students in their transition to campus life, while our Career Development Services and various internship opportunities provide comprehensive support for career readiness. Furthermore, the 'Global Quarter' initiative facilitates cultural exchange and collaboration, encouraging meaningful social engagement among students from diverse international backgrounds.

Our campus culture is organically cultivated through a variety of vibrant events, such as the Lunar New Year Festival, the Global Block Party, and Japan Culture Day, as well as through a strong institutional commitment to community service activities.

What is the underlying reason for the enduring partnership between the UWF and Korea University Sejong Campus(KUSC)?

The UWF and Korea University Sejong Campus(KUSC) share a foundational commitment to the dual goals of fostering global understanding and maintaining academic excellence. Both institutions recognize the transformative power of international education and are dedicated to preparing students to excel within an increasingly globalized environment. This enduring relationship is built upon a common vision of mutual respect, active cooperation, and a steadfast focus on student-centered exchange.

From the perspective of UWF students, what are the primary motivations for choosing KUSC as their exchange destination?

KUSC is recognized for its research-oriented education in the fields of science, technology, and business, cultivating globally competitive human resources through state-of-the-art facilities and a global educational philosophy. The institution provides a systematic support infrastructure for international students and maintains an open campus culture that deeply values diversity, which results in exceptionally high levels of satisfaction among exchange participants. Furthermore, the university's proactive engagement in fostering international academic exchange is highly commendable. South Korea serves as a global hub for technological innovation and economic development, offering an ideal environment where students majoring in management, technology, and languages can acquire practical knowledge and firsthand field experience. Engaging in vibrant social and academic interactions with local students also greatly contributes to strengthening global competencies.

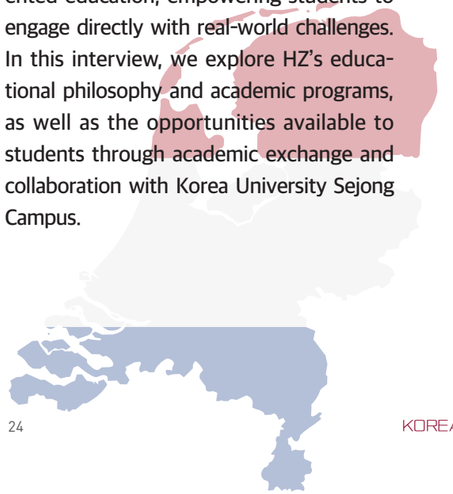
What has been the general consensus or feedback from students who have participated in the exchange program at KUSC?

Students who have experienced life as exchange participants at KUSC speak highly of the rigorous academic standards, the distinguished faculty, and the profound sense of inclusivity and community that defines the campus. Many students describe their time at KUSC as a transformative, life-changing experience, highlighting the exceptional hospitality and kindness of the local students as well as the invaluable opportunity to immerse themselves directly in Korean culture. Furthermore, participants frequently emphasize that the program allowed them to forge lifelong bonds with peers from diverse backgrounds, significantly broadening their global perspectives and interpersonal networks.

Learning Through Practice on the Endless Delta

Meeting HZ University of Applied Sciences in the Netherlands

HZ University of Applied Sciences (HZ) is a government-accredited university of applied sciences in the Netherlands and has consistently been ranked among the leading mid to large-sized universities of applied sciences nationwide. With campuses in Vlissingen and Middelburg, HZ emphasizes small, personalized classes and practice-oriented education, empowering students to engage directly with real-world challenges. In this interview, we explore HZ's educational philosophy and academic programs, as well as the opportunities available to students through academic exchange and collaboration with Korea University Sejong Campus.



Could you briefly introduce HZ University of Applied Sciences?

HZ University of Applied Sciences (HZ) is a government-accredited university of applied sciences in the Netherlands, with approximately 4,900 students currently enrolled. Among them, about 700 are international students, creating a diverse and multicultural learning environment where students from various nationalities study together.

HZ has campuses in Vlissingen and Middelburg, located in the southwestern delta region of the Netherlands. The campuses offer excellent accessibility, with major European cities such as Paris, Brussels, and Cologne reachable within three to five hours by train. In addition, student housing is readily available near the campuses, providing a convenient and comfortable living environment.

What are the key characteristics of HZ's education, and what innovative achievements has the university accomplished?

The core value of HZ's education is 'student-centered learning.' Every student receives guidance from a dedicated faculty member, and small-class teaching ensures that each individual is respected and supported throughout their learning journey. One distinctive feature of HZ is its open and approachable academic culture. Faculty offices and classrooms are often located along the same corridors, and most professors work in open spaces, making it easy for students to communicate freely and engage in meaningful discussions with their instructors.

Education at HZ goes beyond theory and is closely integrated with real-world practice. Students participate in projects in collaboration with companies, government bodies, and public institutions, gaining hands-on experience in addressing real societal challenges. In addition, education and applied research are not treated as separate domains at HZ; current research topics are directly incorporated into coursework, and students are given opportunities to engage in real research environments.

HZ's education and research focus on practical and pressing social and environmental issues, including water management, sustainable energy, regional vitality, and climate adaptation. Leveraging its unique location in a delta region, HZ demonstrates particular strengths in areas such as coastal protection, flood management, ecological restoration, and coastal safety. This setting effectively turns the university into a 'living lab,' where learning, research, and real-world application come together.

Could you tell us about HZ's location and the advantages of its learning environment?

The Vlissingen campus is located close to the Dutch coastline, while the Middelburg campus sits in the heart of the city, surrounded by the atmosphere of a historic medieval town. Students benefit from living in the scenic Zeeland region, known for its natural beauty, while still enjoying excellent accessibility. On weekends, major Dutch cities, including Amsterdam, can be easily reached via direct train connections, allowing students to balance a calm study environment with vibrant urban experiences.

The campus atmosphere is relaxed and open, with free and active communication between faculty and students. Each exchange student is assigned a personal coach who provides support not only for academics but also for daily life and adjustment. International student housing is conveniently located near the campuses, allowing students to naturally interact with peers from diverse cultural backgrounds. In addition, the university offers high-quality educational facilities, and students do not need to purchase textbooks separately, which is considered a practical and meaningful advantage for many students.

What key programs are available to help students make the most of their university life?

At HZ University, students can participate in a wide range of sports activities through HZ-Sport, with additional opportunities provided through partnerships with local sports clubs.

In addition, HZ-Community plays a central role in creating an environment where international and exchange students can naturally connect and interact. Various organizations, including the HZ Green Office, Student Community Center, and HZ Cult(ure), offer programs focused on culture, sustainability, and community engagement, allowing students to gain diverse experiences both on and off campus. The spring semester, in particular, features several public holidays and extended breaks, making it an ideal time for students to balance academics with travel.

What are the key reasons behind the long-standing partnership between HZ and Korea University Sejong Campus?

The global reputation and high academic standards of Korea University, along with its wide range of English-taught courses, were important factors in establishing the partnership. In addition, the strong similarity between academic programs at both institutions has enabled smooth and effective student exchange.

A safe living environment, beautiful natural surroundings, and distinctive cultural experiences also make the partnership especially attractive. In particular, Korea University Sejong Campus is highly regarded for offering abundant opportunities to interact with Korean students, allowing exchange students to experience Korean culture more deeply and authentically.

What overall feedback or impressions have students shared after visiting Korea University Sejong Campus?

Students have shared very positive feedback about their experiences at Korea University Sejong Campus. Many were particularly impressed by the sports facilities, campus festivals, student clubs, and the diverse campus culture of Korea University. Above all, students frequently mention the warm hospitality and friendliness of local residents and members of the campus community as especially memorable. For many, their time at the Sejong Campus has become a lasting and meaningful memory of their exchange experience.

Accelerating the Transition to a Global Campus through Enhanced Support for International Students

Korea University Sejong Campus has established a systematic support framework for international students, encompassing cultural exchange, academic support, and daily life assistance. Structured through educational, experiential, counseling, and exchange programs, this system helps students adapt emotionally and culturally while strengthening their academic competencies. It also aims to foster a sense of belonging so that international students can settle as stable members of the university community and contribute to a sustainable global campus environment.

In the area of cultural exchange, the university operates a range of educational and experiential programs that allow international students to directly experience and understand Korean culture. Cultural immersion programs are held regularly at least three times each semester, offering opportunities to explore both traditional heritage and contemporary fields such as arts and science. In the 2025 academic year, approximately 300 international students visited institutions including the National Museum of Korea, the National Museum of Modern and Contemporary Art, and the National Science Museum, reporting high satisfaction with the program.

In addition, the KUS Tigers Melting Pot Program provides opportunities for domestic and international students to form teams and engage in communication and collaboration. Held once each semester, the program operates through team-based quizzes on diverse themes. Through the problem-solving process, participants naturally build teamwork while strengthening interaction and a shared sense of belonging. The quizzes cover global cultural topics such as K-pop, K-dramas, and UNESCO heritage, as well as essential academic information that international students need to understand.

In the area of academic support, the university operates Korean language enhancement programs to strengthen international students' learning capacity. A representative example is the 2025-1 International Student TOPIK Program, which conducts placement tests during vacation periods and provides level-based Korean language instruction in partnership with professional education institutions. Through systematic learning, the program improves Korean proficiency while supporting academic performance and graduation rates.

For daily life support, the university provides various programs to help international students adapt smoothly to Korean society and the local community. The Early Adaptation Program, offered once each semester for newly admitted students, provides essential information on legal, medical, and everyday matters through collaboration with local authorities. This initiative helps students develop a positive understanding of Sejong City and Korean society while contributing to the creation of an international student-friendly environment. It also promotes interaction among students from diverse countries, fostering mutual understanding and multicultural coexistence.

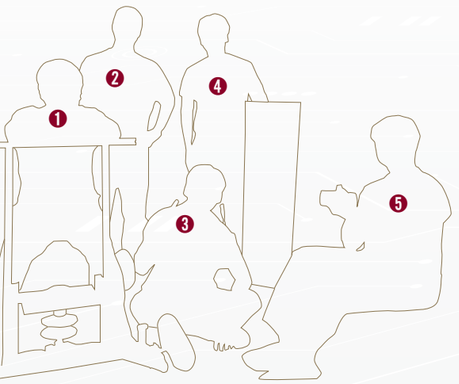
The university also strengthens communication through the Global Hansang Talk with International Students program, held during lunchtime throughout the semester. Conducted in a discussion format, the program listens to students' concerns while incorporating focus group interviews to better support academic and daily life adjustment. Small-group dialogue and individual consultations provide emotional stability, while collected feedback enhances practical communication between the university and its students.

In addition, the Global Crimson Day networking program supports connections among international students by providing a platform to share experiences, build a sense of belonging, and discuss challenges encountered during campus life. Through these exchanges, the program helps reduce emotional stress and improve overall satisfaction with university life.

Through these multifaceted initiatives, Korea University Sejong Campus continues to strengthen its global campus environment and build a sustainable foundation that enables international students to grow steadily in both academic and daily life.

The Future of Indoor Autonomous Driving with a Single Camera
- Developing a Mobility Solution that Lowers the Cost Barrier

Autonomous driving technology is now expanding beyond roads into indoor environments such as hospitals, logistics warehouses, and factories. However, conventional systems often rely on expensive 3D LiDAR sensors, which pose significant challenges in terms of cost and scalability, limiting widespread adoption. Against this backdrop, Korea University Sejong Campus student startup club 'Dagachi' is opening new possibilities with its single-camera-based indoor autonomous driving technology. We met Ahn Sujong, the team leader of 'Dagachi' (Department of Electro-Mechanical Systems Engineering, Class of 2020), to discuss his vision for technology and entrepreneurship.



❶ ____ **Sujin Hong**(Department of Electro-Mechanical Systems Engineering, 20)
❷ ____ **Yubin Shin**(Department of Electro-Mechanical Systems Engineering, 22)
❸ ____ **Sujong Ahn**(Department of Electro-Mechanical Systems Engineering, 20)
❹ ____ **Gunwoo Park**(Department of Electro-Mechanical Systems Engineering, 20)
❺ ____ **Gyutae Park**(Department of Electro-Mechanical Systems Engineering, 21)

D a g a c h i

What kind of team is 'Dagachi'?

'Dagachi' is a technology-driven startup club formed by students who share a strong passion for both hardware and software. The team has voluntarily come together to work on a wide range of technical projects. What began as a small student group within Korea University Sejong Campus has now evolved into a team actively pursuing entrepreneurship.

In October 2024, we participated in a university startup competition for the first time, where we realized that the technology we had developed could make a meaningful contribution to society. This experience marked a turning point, leading us to embark on a full-scale startup journey under the name 'Pathfinder,' which represents both a company developing camera-based mobility solutions and a group striving to pioneer new paths.

More recently, our team was selected for the 2025 Preliminary Startup Package supported by the Ministry of SMEs and Startups, allowing us to accelerate commercialization with government support.

What services or technologies are you currently developing?

We are currently developing a camera-based indoor autonomous driving mobility (robot) solution.

Many existing indoor autonomous driving systems rely on high-cost 3D LiDAR sensors to achieve precision. While effective, such sensors are often over-specified for indoor use and impose a substantial financial burden.

Starting from the idea that practical autonomous driving is possible without expensive sensors, we are developing a platform that enables automatic indoor mapping and autonomous navigation using only a single camera. This approach simplifies sensor configurations while still ensuring stable and reliable driving performance.

The technology is applicable to a variety of indoor environments, including logistics warehouses, hospitals, and factories. Building on this foundation, we are also developing an AI-based educational autonomous vehicle kit, designed to help young learners experience and understand autonomous driving technology firsthand as part of hands-on educational content.

What motivated you to develop this service?

The journey began with a simple desire to create technology that could genuinely help improve people's lives.

As we later worked on an autonomous vehicle project aimed at raising awareness for children with disabilities, we came to realize the broader social potential of technology. Through that experience, we gained a strong conviction that technology can go beyond functional implementation and actively contribute to solving social issues.

That realization became the driving force that has continued to motivate us to pursue both entrepreneurship and technological development to this day.

What impact do you expect this service to have?

From a technological perspective, our camera-based approach significantly reduces manufacturing costs and enables system miniaturization. This allows a wider range of companies and institutions to adopt autonomous driving systems. As a result, we expect autonomous mobility technologies to become more accessible, accelerating the growth of the indoor mobility market and enabling the development of more customized solutions.

From a social perspective, our goal is to ensure that robotics and AI technologies are no longer limited to experts or high-cost infrastructure, but can be widely accessed by general users and students. In particular, through our educational autonomous driving kits, students can learn alongside robots and experience how technology connects naturally with everyday life. Ultimately, we hope this will contribute to nurturing future technology human resources and fostering greater technological familiarity in daily life.

What was the preparation process like, and how did Korea University Sejong Campus support your journey?

As our initially abstract startup idea began to take shape as a real product, the support from Korea University Sejong Campus proved to be immensely helpful.

Through various extracurricular programs, such as the DSC Planning Living Lab, startup idea competitions, and Rolling Camp, we were able to test and validate our technology in practice. The hands-on support from faculty members and the administrative team also served as a strong foundation throughout the process.

In addition, advice and shared experiences from senior student entrepreneurs broadened our perspective and helped us explore the feasibility of commercialization. The campus provided a well-structured environment where we could reflect not only on technical development but also on our overall business direction.

What are your future plans and goals?

In the short term, our goal is to further advance our autonomous driving platform and develop indoor autonomous mobility solutions that are ready for real-world operation in environments such as hospitals, logistics centers, and factories.

In the long term, we aim to distribute hands-on AI and robotics education content to domestic and international education markets, while growing into a company that provides low-cost indoor autonomous driving solutions for industrial applications.

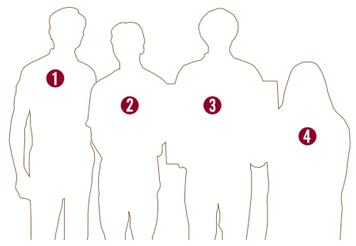
Looking further ahead, we plan to expand our mobility technology into a platform that connects virtual and physical spaces. For example, even when people are physically far apart, robots could enable experiences that feel as if they are sharing the same space.

A world where robots are not intimidating, and where anyone can solve problems through technology—that is the future envisioned by our team, 'Dagachi.'

A Cinema for Your Ears: Creating Headphones That Break the Entry Barrier of High-End Audio

– Startup Club FlatSoul

High-end audio has long been regarded as a niche hobby enjoyed by only a few. To fully experience deep bass and immersive spatial sound, consumers often need extremely expensive headphones and amplifiers, creating a significant barrier to entry for the general public. In response to these limitations, Lee Donghyung (Department of Electrical and Information Engineering, Class of '25) is leading a hardware startup club called FlatSoul, offering a new solution. With the goal of allowing anyone to experience cinema-level low-frequency immersion, the team is transforming technology and persistence into a tangible product. We spoke with them about their journey.



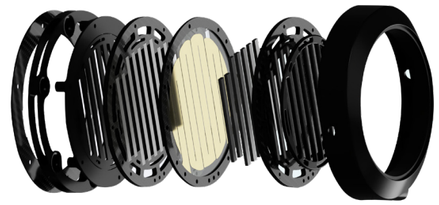
1 ____ **Seong-nam Seo**
Head of Startup & Venture Team, Sejong City Government

2 ____ **Doyun Kim**
(Department of Electronics and Information Engineering, 25)

3 ____ **Dong-hyung Lee**
(Department of Electronics and Information Engineering, 25)

4 ____ **Jain Yoo**
(School of Film & Animation, 22 Hongik University Sejong Campus)

FlatSoul



What kind of team is FlatSoul?

FlatSoul is a technology-based startup club formed by students with a strong interest in audio and hardware development. Having long studied headphone modification and tuning out of personal passion, the team is now focusing on turning these technical ideals into real, market-ready products.

In September, we won the Grand Prize (Minister's Award) at the 2025 Sejong UNION Startup Competition, followed by the Top Excellence Award at the Korea University Sejong Campus Start-up Competition. During their booth exhibition at Sejong Startup Week, many visitors who tested the prototype commented, "It's hard to believe this sound was created by students." These reactions became a powerful source of confidence for the team.

More recently, we received approval from the KAIST National Nanofab Center to proceed with a diaphragm deposition process, a technology known for its high level of difficulty. This milestone confirmed that the technology is not only innovative but also commercially viable.

What products are you currently developing?

FlatSoul is developing a high-end headphone capable of delivering cinema-level low-frequency sound. Many existing premium headphones face structural limitations in reproducing ultra-low frequencies, and often require expensive external amplifiers to achieve their full performance.

To address this issue, we have developed a proprietary technology called the 'Free-Resonance-Induced Pressure Balancing Network.' The technology is currently under patent application and is designed to achieve both high-efficiency drive performance and deep low-frequency reproduction.

Through this innovation, we aim to deliver a truly immersive, theater-like audio experience—without the need for complex or costly equipment.

What motivated you to develop this product?

The starting point was an 'unexpected discovery.' One day, while working on headphone modifications as usual, I happened to discover a structural concept that enabled ultra-low-frequency reproduction that could not be achieved with existing products. At that moment, I felt a strong conviction, "This is a sound I cannot keep to myself. If this becomes a product, the world will be surprised."

Afterward, I shared an 'ultra-low-frequency tuning guide' within the audio community. The overwhelmingly positive feedback confirmed the potential of the idea, and it ultimately led me to decide to launch a startup and develop my own headphones.

What impact do you expect this product to have?

The most significant expected impact is lowering the entry barrier to high-end audio. Our goal is to deliver top-tier sound quality, previously accessible only through systems costing several million to tens of millions of won, at a reasonable price of approximately one-quarter of that cost. Through this, we hope that more people will be able to experience what we consider to be true sound.

From an industry perspective, the product also represents the emergence of a high-end audio brand built on domestic technology. Currently, Korea's high-end headphone market relies heavily on overseas brands. FlatSoul aims to grow into a competitive Korean audio brand and ultimately establish itself as a leading K-Audio representative capable of exporting globally.

What was the preparation process like, and how did Korea University Sejong Campus support you?

Developing a hardware product is not an easy task for individual university students. Transforming an idea into an actual product required numerous trials and errors.

Throughout this process, the support from Korea University Sejong Campus played a crucial role. After being selected as a preliminary startup club and later promoted to the incubation program, we received sufficient funding support. The campus Makerspace also allowed us to rapidly turn ideas into physical prototypes.

In addition, the mentoring programs were particularly meaningful, as they helped us evolve a simple product concept into a sustainable business model.

What are your future plans and goals?

In the short term, our goal is to complete a headphone with a level of quality ready to be presented to the public before military service, and to host a listening experience event known as the 'Listening Train.' After completing military service, we plan to launch a crowdfunding campaign built upon a community-based fan base, aiming to sell out the initial production batch and validate market demand.

In the long term, through continuous research and development, we seek to push our technological capabilities to their limits and grow into Korea's leading high-end audio technology company, recognized by both audiophiles and the general public worldwide. FlatSoul will continue this journey without losing the passion of an audio enthusiast, striving toward the day when our sound brings joy to listeners across the globe.

Envisioning Tomorrow's Campus Through AI

Meeting the Winner of the AI Vision Video Contest from the Division of Cultural Heritage Convergence

Q. Could you briefly introduce yourself?

Hello. My name is Kim Kyungjoong, and I am a student from the Class of 2020 in the Division of Cultural Heritage Convergence. Through a curriculum that combines archaeology, art history, and ICT technologies, I have studied with a focus on how traditional knowledge can harmonize with modern technology. As I approach graduation, I have placed great value on practically implementing what I have learned throughout my academic journey.

Q. Please introduce the award-winning project.

The video began with the question: "What would the future Korea University Sejong Campus look like with AI?" Rather than limiting the concept to language-based AI, I envisioned a future campus where smart glasses, intelligent robots, and drone-based transportation and delivery systems are part of everyday life, and expressed this visually. In particular, I chose King Sejong, a symbolic figure of Sejong City, as the narrator. By presenting the campus from the perspective of a historical figure witnessing the future, I aimed to deliver a vision where technology and history coexist in a more approachable and engaging way.

Q. What sparked your interest in AI-based video production?

My interest developed more seriously during the summer break, when I participated in a small group with fellow students focused on producing AI-based videos using cultural heritage themes. Later, through related courses, I worked on an AI exhibition project centered on Sejong City's cultural heritage, spending an entire semester intensively studying the use of AI tools.
During this process, I achieved meaningful results through parody-style video productions. In major courses, I also gained hands-on experience by planning and producing AI visualization videos for actual cultural heritage sites. These experiences naturally led me to participate in this competition.

Q. In what ways do you think your major connects with AI video production?

Recently, the use of AI in cultural heritage content creation has emerged as an important trend. However, achieving historical accuracy remains a major challenge. There are clear limitations in precisely reproducing details such as Joseon Dynasty clothing, accessories, and material textures through current AI technologies.
Nevertheless, if AI models specialized for national heritage are developed in the future, cultural heritage could be communicated in a far more accessible and engaging way. I believe that combining archaeological knowledge with AI technology can play a crucial role in expanding cultural heritage from specialized academic knowledge into shared public knowledge.

Q. What career path do you plan to pursue in the future?

After graduation, I plan to enter graduate school and continue my research in archaeology. Building on the theories and research methodologies I learned as an undergraduate, I hope to immerse myself more deeply in my field of study.
At the same time, rather than limiting myself solely to academic research, I would like to continue communication activities through social media and video platforms, using AI-based videos to explain archaeology and cultural heritage in an accessible way. My goal is to become a researcher who remains continuously connected with the public by combining academic expertise and technology.

Q. Is there anything you hope to see regarding AI use at the university?

I believe AI is not a tool reserved only for specific majors, but a foundational technology that can expand all academic disciplines. I hope an environment will be created where even non-majors can use AI to express and share their fields of study more effectively.
If interdisciplinary AI projects involving various departments become more active, I expect that far more innovative outcomes will emerge through collaboration and academic synergy.

Sowing the Seeds of Future Drug Discovery, A New Beginning Opened Together

Meeting the First Freshmen of the Department of Convergence Pharmaceutical Science

In the 2025 academic year, the Department of Convergence Pharmaceutical Science welcomed its very first cohort of freshmen. Established in 2025, the department aims to cultivate globally competitive, interdisciplinary individuals who will lead innovation in new drug development. Its curriculum integrates pharmacy, biotechnology, AI, and big data through a multidisciplinary educational framework. We met with three freshmen Jung Woohyun, Kim Sunyoon, and Hwang Minhye, who are opening the first chapter of the department with strong academic passion.

Q. Please briefly introduce yourselves.

Jung Woohyun: Hello, I am Jung Woohyun from the Class of 2025 in the Department of Convergence Pharmaceutical Science. I have a strong interest in life sciences and pharmacy, and I am currently building my foundation step by step. I am truly excited to take my first steps in this new academic environment.

Kim Sunyoon: Hello, I am Kim Sunyoon, Class of 2025. I feel very excited to begin this journey as part of the department's first incoming class, and I believe the challenges ahead will be deeply meaningful.

Hwang Minhye: Hello, I am Hwang Minhye from the Class of 2025. I have a strong interest in advanced drug development and convergence technologies, and I feel proud to be able to grow alongside the department.

Q. Was there a special reason you chose this department?

Jung Woohyun: From a young age, I have been curious about the human body and how drugs work. This department allows students to learn the entire drug development process in a comprehensive way. I was also drawn to the opportunity to help build a new academic environment together as part of a newly established department.

Kim Sunyoon: I have long been interested in the pharmaceutical industry and drug development. While exploring related majors, I learned that a new department was being established at Korea University Sejong Campus, and I immediately felt that this was the right place for me. The sense of responsibility and excitement that comes with forging a new path, along with my expectations for the outstanding faculty and curriculum, ultimately led me here. Being the first can feel uncertain at times, but I believe it also means limitless potential.

Hwang Minhye: With a strong interest in pharmacy, I wanted to help improve people's lives through drug development. In an era where AI and big data are actively used in this field, I felt that the Department of Convergence Pharmaceutical Science, where I could learn AI-based analysis and data utilization alongside pharmaceutical knowledge, was an ideal choice. In addition, Sejong City is growing as a major bio-health hub, and Korea University Sejong Campus is playing a central role in cultivating advanced individuals. I was deeply attracted to the department's clear educational philosophy and future vision, and I felt confident that this was the place where I could pursue the type of education and research I had always envisioned.

Q. What courses have you taken so far, and what are you looking forward to?

Jung Woohyun: At present, I am focusing on building strong fundamentals through introductory courses in life sciences and chemistry. I am especially looking forward to gaining hands-on experience through laboratory classes and research projects in the future. Thanks to the professors' attentive guidance, I was able to adapt quickly to department life. I hope to continue growing steadily within this supportive academic environment.

Kim Sunyoon: So far, I have mainly been taking chemistry and biology courses that form the foundation of our major. In particular, chemistry classes offer many opportunities for close interaction with professors, such as student-led problem-solving presentations, pre-class video lectures, and in-depth discussions. Moving forward, I hope to engage in more advanced learning through a variety of laboratory courses.

Hwang Minhye: As a newly established department, the curriculum is well structured, and I was especially impressed by how actively professors reflect students' opinions. In addition to foundational major courses, we are also taking convergence classes such as programming and data analysis, which help us build a multidimensional understanding of the drug development process. In the future, I hope to see stronger research and business cooperation programs and internships that allow students to gain practical experience through collaboration with companies and research institutes.

Q. What are your future goals and plans?

Jung Woohyun: My goal is to experience a wide range of experiments and research during my undergraduate studies, and then pursue graduate school to grow as a researcher in drug development. Through this learning journey, I hope to gradually solidify my career path.

Kim Sunyoon: As a member of the department's first cohort, I hope to graduate with excellent academic performance and become a professional researcher in the pharmaceutical field. Ultimately, I want to contribute to developing our department into one of the leading drug discovery programs in Korea.

Hwang Minhye: At this stage, I am learning broadly about my field through various courses and activities while exploring a career path that suits me best. As I progress through the undergraduate program, I hope to gain exposure to real research and practical work, and discover where I can best apply my strengths. Rather than setting rigid and detailed goals right away, I want to take time to explore steadily and gradually establish clear and meaningful objectives.

Q. Please share a message for next year's incoming freshmen.

Jung Woohyun: At first, everything may feel unfamiliar and a little awkward, but if you participate in various activities with a willingness to learn, your college life will become both enjoyable and rewarding. I encourage you to take on new challenges actively.

Kim Sunyoon: I would like to sincerely welcome all future students who will be joining the Department of Convergence Pharmaceutical Science. I hope you explore what you wish to learn freely and communicate openly with your seniors. I look forward to the day when I can welcome you as your senior.

Hwang Minhye: Being part of a newly established department may feel uncertain at times, but strong communication with professors and the active reflection of student opinions allow us to take pride in building this department together. Above all, the Department of Convergence Pharmaceutical Science offers a rare environment where students can study AI, big data, and life sciences in an integrated way, all of which are essential for future drug development. For students who are still exploring their career paths or are interested in drug discovery, I would highly recommend this department.

Small Sharing, Big Resonance: The Footsteps of the Sejong Social Service Organization

An Interview with KUSSO 6th Generation Members Cho Yeojung and Han Hyunjung

The Korea University Sejong Social Service Organization (KUSSO) serves as a bridge connecting the university with the local community through volunteerism. The organization conducts various programs that integrate members' academic majors and personal interests. We met with Cho Yeojung, a student of Computer Convergence Software who records KUSSO's activities behind the scenes, and Han Hyunjung, a Public Sociology student who serves as the student leader coordinating overall operations, to hear about their volunteer philosophies and experiences.

Q. Could you please introduce yourself

Cho: Hello. I am Cho Yeojung, a member of the 6th KUSSO and a Computer Convergence Software student, Class of '21. I currently serve as Head of Information, organizing proposals, final reports, schedules, and activity logs. Although my work is not always visible, I aim to preserve KUSSO's activities as meaningful records that can support future initiatives.

Han: Hello. I am Han Hyunjung, a member of the 6th KUSSO and a Public Sociology student, Class of '24. As Student Leader, I work with department heads and members to oversee overall operations. My role includes reviewing documents, organizing member events, managing social media platforms, and providing administrative support for academic courses, career programs, and volunteer camps to ensure smooth operation.

Q. What kind of activities does the KUSSO perform?

Cho: KUSSO connects the university and the local community through volunteerism. Members participate in all stages of service—from selecting themes to planning, execution, and reporting—by combining their majors and personal interests. Through this process, we learn that service is not simply an act of giving, but a shared experience of growth.

Han: Our activities are divided into four areas—Education, Local Community, Environment, and Campaigns—while reflecting the SDGs(Sustainable Development Goals). Each program is managed by a small team and carried out in cooperation with public institutions such as welfare centers, libraries, fire stations, and public health centers.

Q. What motivated you to join the KUSSO?

Cho: As a freshman, watching senior students lead volunteer programs they had planned themselves changed my understanding of service. I wanted to contribute more actively by adding my own ideas and abilities, not just by participating, and that desire led me to join KUSSO.

Han: I hoped to have meaningful volunteer experiences during university and explore my interest in social welfare. Due to COVID-19, volunteering opportunities were limited in high school, so KUSSO appealed to me as it allowed direct interaction with groups such as the elderly and the disabled.

Q. What has been your most memorable volunteer activity?

Cho: The "Ugly Food Table" program left a strong impression on me. By working with local youth to promote sustainable consumption, I realized the educational value of challenging stereotypes about food and rethinking resource waste.

Han: The mural painting activity on campus was physically demanding, but it taught me the true attitude of leadership through the dedication of senior leaders. Volunteering to support elderly farming households also gave me a deep sense of fulfillment through practical help.

Q. What is the driving force that allows you to balance your studies with volunteer work?

Cho: Although volunteering often requires sacrificing personal time, it helps me recharge emotionally. Even amid busy schedules filled with classes and job preparation, focusing solely on service allows me to let go of pressure and find happiness in helping others. The encouragement and sense of fellowship among members give me the strength to continue.

Han: There are times when academics and volunteer work overlap and become physically demanding. However, KUSSO has given me emotional stability and a sense of belonging, especially while living away from home. The activities fill what can feel empty in daily life, and that grounding motivates me to keep going.

Q. Have there been any changes in your values through your service activities?

Cho: I used to think of volunteering simply as an obligation or an act of helping others. Meeting people who sincerely appreciated even small efforts helped me realize that volunteering is a form of communication rooted in sharing one's heart. It has become an essential part of my life, shaping how I relate to others.

Han: I once believed that visible, material support was the most meaningful form of sharing. Through spending time with the elderly and engaging with children, I learned that emotional presence creates a deeper impact. This realization continues to influence the choices I make in life.

Q. Do you have a message for fellow students who wish to join the KUSSO?

Cho: Many students think volunteering must begin with something grand, but it often starts with a small interest and courage. Through KUSSO, you will see how sharing your heart becomes strength for others—and how their smiles bring comfort and growth to your own life.

Han: I can confidently say that KUSSO makes university life more meaningful and fulfilling. It offers opportunities to connect with diverse people while reflecting on one's own values. We look forward to welcoming students who take that first step with us in the 7th generation.

Photo KU

Korea University Sejong Campus in Photos

2025 Early Admission Fair (July 24-26)

From July 24(Thur) to July 26(Sat), Korea University Sejong Campus participated in the 2026 University Early Admission Fair held at COEX in Seoul, where admission counseling sessions were conducted. During the fair, one-on-one customized consultations were provided for prospective students, parents, and high school teachers, focusing on university admissions as well as academic and career guidance.

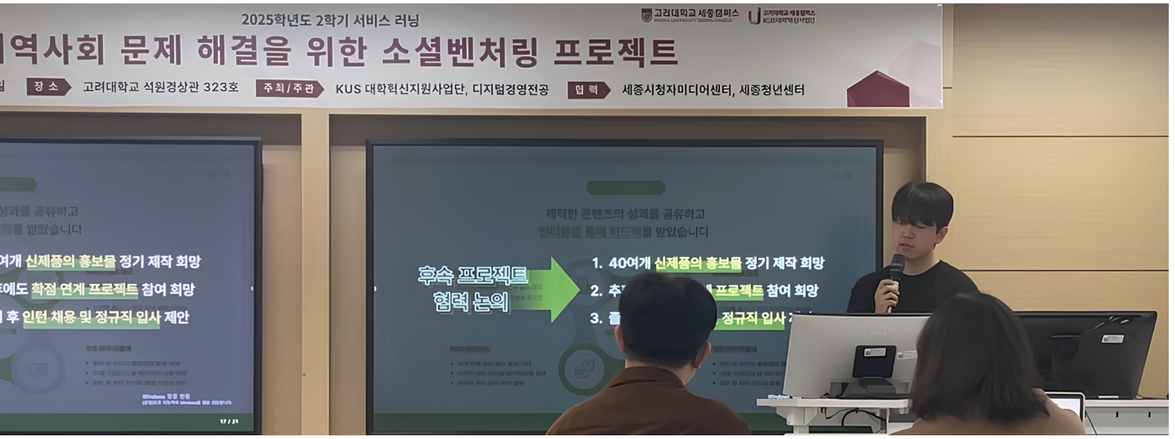
2025 Dongyeonje (University Club Union) Festival - 波瀾萬丈 Paranmanjang (A Life Full of Twists and Turns) (November 6)

On Thursday, November 6, the 2025 Dongyeonje Festival was held at the tennis courts. From 1:00 p.m. to 5:00 p.m., daytime booths offered a variety of unique activities prepared by student clubs, including board games, a traditional tea house, lantern-making, and caricature drawing. From 6:00 p.m. to midnight, evening booths and stage performances were held. Performances by student clubs such as UDF, Sori Madang, Kasting, Beat & Soul, Mudan Band, and Rooters captivated the audience and added energy to the festival atmosphere.

Connecting the World Through Learning

A New Education Model Shaped by Service-Learning Courses

Korea University Sejong Campus is expanding the operation of Service-Learning courses to strengthen practice-based education in partnership with the local community. Service learning is an educational model in which students apply their major knowledge to address real community issues and then reflect on those experiences academically. Through systematic course design, the campus is committed to nurturing students with strong practical skills and a sense of civic responsibility.



Universities and Local Communities Growing Together

The primary goals of service-learning courses are to provide hands-on, community-linked learning opportunities and to enhance students' problem-solving abilities and social responsibility. Students apply what they learn in the classroom to real-world settings, gaining experience that organically connects theory and practice. To achieve these goals, Korea University Sejong Campus has established a structured foundation for service-learning courses, focusing on building a virtuous cycle in which the university and the local community grow together.

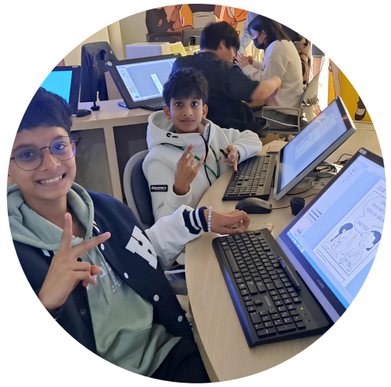
Current Status of Service-Learning Course Implementation

Currently, four major courses are offered in a service-learning format. In the Chinese Studies major of the Global Studies Division, the course Chinese Studies and the Community: Practicing Coexistence with Multicultural Families enrolls 11 students. Participants engage in volunteer work for multicultural children through the Sejong Family Center and take part in mentoring programs for youth from immigrant backgrounds at a migrant workers' welfare center. Through direct interaction with community members, students apply their academic knowledge while developing deeper understanding and empathy for a multicultural society.

In the Social Venturing course offered by the Digital Management major in the Division of Convergence Management, 21 students collaborated with three local companies in Sejong City on a range of projects. Working with local businesses, students developed local platforms and produced card news and video content. They also took part in practical initiatives to address local issues, including creating promotional materials, planning video displays, and designing announcement broadcasts related to the revitalization of Jochiwon Station. These experiences provided valuable opportunities to strengthen creative problem-solving and teamwork skills.

The course Local Environment and Sustainable Growth in the Economic Policy major of the Department of Economics and Statistics involved eight students and focused on site visits and field learning, including a visit to the Korea Water Resources Corporation. Students deepened their understanding of regional environmental issues and sustainable development while academically exploring real challenges faced by the community through collaboration with relevant institutions. This further strengthened their ability to apply academic knowledge to real-world problems.

In the Department of Government Administration, the course Administration and Leadership engaged 11 students in a leadership-focused mentoring program at Bangok Middle School in Sejong City. By meeting and communicating directly with middle school students, participants shared the values and importance of leadership and experienced the practical role of public administration through direct engagement with the education field. Over the semester, a total of 55 students participated in various service-learning activities in collaboration with eight local institutions and companies.



> Through collaboration with community organizations, students apply academic knowledge and gain practical experience.

The Significance of the Service-Learning Program

Efforts to share and expand the outcomes of the service-learning program are also ongoing. The Office of Academic Affairs hosted a service-learning essay contest, with six students participating. Most participants reported that the experience significantly contributed to their personal growth and development. Through their essays, students documented the learning, change, and reflection gained through collaboration with the community, demonstrating that service learning goes beyond volunteer work to meaningfully support student learning and growth.

Service learning differs from traditional, theory-centered education by enabling students to apply their major knowledge through direct collaboration with community organizations and by expanding on-site learning experiences. By integrating learning and service, this holistic model naturally fosters problem-solving skills while helping students internalize a sense of community and social responsibility. These experiences serve as an essential foundation for students to grow into practical professionals suited to the needs of future society.

Expected Outcomes of the Service-Learning Program

The expected benefits for both students and the community are substantial. Students strengthen their practical capabilities by applying academic knowledge in real settings and gain broader perspectives through communication and interaction with community members. At the same time, the community benefits from the university's human and intellectual resources, receiving tangible support in addressing local issues and exploring new possibilities for regional development through sustained collaboration. This process builds trust and further solidifies a mutually beneficial partnership between the university and the community.

Service learning at Korea University Sejong Campus goes beyond course operation to present a new educational paradigm in which the university and the community learn and grow together. The campus plans to continue expanding and advancing service learning so that more students can engage closely with the community and develop as practical intellectuals. Through these efforts, Korea University Sejong Campus aims to strengthen the social role of higher education and establish a model of education that grows alongside the region.

KUS TODAY

01

Through collaboration with community organizations, students apply academic knowledge and gain practical experience.

On February 4 2025, the opening ceremony of the Korea University-Fraunhofer Joint Research Institute (FIP-FPM@KU) was held in the Research and Business Cooperation Building. This event marked the establishment of a joint research institute through an equal partnership between the Advanced Materials Technology Commercialization Evaluation Center of Korea University and Germany's Fraunhofer Institute. The two institutions aim to promote joint research and technology transfer focused on next-generation AI semiconductors, immersive display technologies, and future mobility core technologies, while also fostering technology commercialization within the local region.

02

Korea University Sejong Campus-Sejong Joint Campus Management Foundation Launch Full-Scale Cooperation for Glocal University and RISE Projects

Korea University Sejong Campus and the Sejong Joint Campus Management Foundation (Chairman Han Seok-soo) signed an MOU on the 8th at the Academic and Cultural Support Center of the Sejong Joint Campus to promote the Glocal University and RISE projects. Through this agreement, the two institutions plan to build a "K-Think Tank" in cooperation with Sejong City and national research institutes, based on the Sejong Joint Campus, and to present a collaborative model for convergent education and joint research. Their cooperation includes establishing a system for personnel exchange and joint research for the Glocal University and RISE projects, jointly operating academic programs such as education, seminars, and technology exchange, and providing open advanced lecture rooms.

03

24th Memorial Ceremony Held in Honor of the Late Lee Soohyun

On May 13, a memorial ceremony commemorating the 24th anniversary of the late Lee Soohyun was held at the memorial monument in front of the Science and Technology Building II. Hosted by the Student Council of the College of Global Business, the ceremony was organized to honor the noble sacrifice and courageous spirit of Lee Soohyun (Class of 1993, Department of Trade), who lost his life on January 26, 2001, while rescuing an intoxicated passenger who had fallen onto the tracks at Shin-Okubo Station in Tokyo.

04

Korea University Sejong Campus Joins Hands with Germany's Innovation Campus Future Mobility (ICM) to Advance as a Global University

On July 24, Korea University Sejong Campus signed a Memorandum of Understanding (MOU) with Germany's Innovation Campus Future Mobility (ICM) to strengthen cooperation in the field of future mobility. Founded in 2019 by the Karlsruhe Institute of Technology (KIT) and the University of Stuttgart (USTUTT) in the state of Baden-W□rttemberg, ICM serves as a collaborative platform for mobility innovation. Through this agreement, the two institutions plan to cooperate in various areas, including joint research and technology development, operation of educational programs, student and researcher exchanges, and collaboration on technology commercialization. The partnership is expected to expand the university's international research network and further enhance its specialized education and research capabilities.

05

Special Lecture by Tencent Global Policy Chief Danny Marti

On November 5, a special lecture titled 'Weaving Innovation: Tencent's Public Policy and Leadership' was held in the Nong Shim Hall. The lecture featured Danny Marti, Global Head of Public Policy and Government Relations at Tencent, and was organized to strengthen students' career competencies and deepen their understanding of public policy in global technology companies, including international students. The session was conducted in a dialogue format with Professor Noh Sooyeon of the Department of Chinese Studies, covering an introduction to Tencent, its public policy strategies, global leadership cases, and career advice for students.

06

Sejong Research and Business Cooperation Foundation Receives Ministerial Commendation for Excellence in Business Incubation

On November 25, the Sejong Research and Business Cooperation Foundation was selected as an outstanding Business Incubation (BI) center in the '2025 National Business Incubation Center Management Evaluation' conducted by the Ministry of SMEs and Startups, receiving a Ministerial Commendation. The evaluation comprehensively assessed incubation performance nationwide. The foundation was recognized for its integrated growth support system for technology-based startups, encompassing commercialization support, technical consulting, intellectual property services, and global market expansion. Over the past two years, the foundation demonstrated notable achievements in business commercialization, as well as increased revenue, employment, and exports among resident companies. It was also commended for contributing to the activation of the regional startup ecosystem through collaboration with related institutions and the establishment of a regional cooperative startup support model.

Korea University Sejong Campus-VCA Korea, Opening of the Global Certification Support Center for Future Mobility

07

On December 5, the 'Global Certification Support Center for Future Mobility' was officially opened in the Research and Business Cooperation Building, hosted by the Sejong RISE Foundation and the Sejong Research and Business Cooperation Foundation in collaboration with VCA Korea, the Korean branch of the Vehicle Certification Agency under the UK Department for Transport. Through this agreement, the two institutions will jointly establish and operate the certification support center on campus to assist future mobility companies in the Sejong region with European and UK type approval and international technical certifications. In addition, the center will promote technology commercialization and R&D collaboration in connection with the RISE project and various government-funded programs, thereby providing systematic support for local companies seeking to enter global markets.

08

The 9th Proud Korea University Sejong Alumni Awards Ceremony Held

On December 12, the 9th Proud Korea University Sejong Alumni Award ceremony was held in conjunction with the 1st KUS Alumni Night event. This year's recipients were the Class of 1984 Alumni Association of the Department of Business Administration and Young-ho Seo, CEO of N.A.W.A. The Class of 1984 Alumni Association was recognized for contributing to the development of their alma mater through the establishment of scholarship funds and continued support for junior students. Mr. Seo was honored for his achievements as a young entrepreneur who began in a campus startup club and went on to achieve success both domestically and internationally. The Proud Korea University Sejong Alumni Award was established to express appreciation to individuals who have made significant contributions to the development and public standing of Korea University Sejong Campus.

Chairman Park Sunwon of the Miseon Scholarship Foundation **Donates 100 Million Won to Support the '1,000 Won Breakfast' Program**

Korea University Sejong Campus operates the '1,000 Won Breakfast' program to promote healthy eating habits among students and alleviate their financial burden. In support of this initiative, Park Sunwon, Chairman of the Miseon Scholarship Foundation, donated 100 million won to fund breakfast meals for students.

The program is a student welfare initiative that provides high-quality breakfast meals at an affordable price of 1,000 won, aiming to support students who face difficulties maintaining regular meals due to rising living costs and various external factors.

Chairman Park has continuously contributed to Korea University since 2009. He previously served as President of the Alumni Association of the College of Business and Economics at the Sejong Campus in 2020 and has actively supported students through scholarships, including those for the Department of Business Administration.

Chairman Park stated, "Due to the high cost of living and the challenges of living independently, many students seem unable to have breakfast regularly. I made this donation with a father's hope that my juniors can start their day with a hearty meal."

34 Years of Learning, United as One Heart

Alumni of Professor Junghee Park's Laboratory

Graduates of the Nanomaterials Research Laboratory in the Department of Advanced Materials Chemistry at Korea University came together to make a donation in honor of Professor Park Junghee's lifelong dedication to education and research. Their meaningful contribution now lives on through the 'Park Junghee Creative LAB' seminar room plaque installed in Classroom SEMO, Room 112. In this interview, we spoke with alumni representatives to learn about the significance behind the donation, their special memories with Professor Park, and their hopes for future generations.

Please briefly introduce yourselves.

Hello. We are alumni of the Nanomaterials Research Laboratory in the Department of Advanced Materials Chemistry, where we had the privilege of studying under Professor Park Junghee. From the Class of 1987 to the Class of 2020, approximately 70 alumni passed through a single research laboratory over the past 34 years. We believe that our growth into professionals contributing across diverse fields of society is deeply rooted in Professor Park's exceptional guidance and mentorship.

We gathered to express our deep gratitude for Professor Park's lifelong academic passion, dedication to education, and commitment to nurturing future scholars. Through this effort, the Park Junghee Creative LAB seminar room was newly established in Classroom SEMO, leaving a space that will carry her name and spirit forward to future generations.

Are there any memorable stories from your student days with Professor Park?

Professor Park taught us that becoming a healthy researcher requires physical strength built through discipline. By developing consistent exercise habits alongside research, we learned not only endurance but also the mindset needed for academic life. She also led major national research projects such as WCU (World Class University) and BK21 (Brain Korea 21), uniting the department under her leadership and strengthening the global standing of Advanced Materials Chemistry.

Above all, Professor Park devoted herself to mentoring students. She provided undergraduates with early research opportunities through structured internships and guided graduate students toward strong research outcomes. She paved the path for us to live as researchers, and even today, her teachings remain our compass in life.

What does this donation mean to the alumni?

Being able to honor our mentor's retirement through a collective donation to our alma mater was deeply meaningful. This contribution represents a small symbol of gratitude shared by all her students and our hope that future students will learn, discuss freely, and grow together.

We hope that those who pass this space will feel the same appreciation we once experienced. This donation is our modest expression of thanks and a bridge that carries her spirit into the future.

Finally, is there a message you would like to share with your juniors?

Professor Park always encouraged students to ask "why," emphasizing independent thinking and problem-solving. Built upon this philosophy, the Park Junghee Creative LAB seminar room will serve as a space for open discussion and creative academic exploration.

The future we, as alumni, look forward to is you. We hope your small actions come together to create meaningful change, and that those outcomes will one day inspire future generations in return.

SA New Beginning for the Student Union Building, Joined by Freshmen

Class of 2025 Jihyung Park·Eunhye Lee

For the past 26 years, the Student Union Building at Korea University Sejong Campus has served as a place of rest and a cultural hub for students. Through a large-scale renovation, it is now preparing for a more convenient and enriching campus life. Notably, freshmen have taken part in this transformation through donations. Through the sincere stories of two students, we take a closer look at the meaning and future of the Student Union Building renovation.

Q. Please briefly introduce yourselves.

Park: I am Jihyung Park, Class of 2025, currently majoring in Electrical and Mechanical Convergence Engineering.

Lee: I am Eunhye Lee, Class of 2025, majoring in Economics with a focus on Economic Statistics.

Q. You decided to donate shortly after entering university. What motivated your decision?

Park: The phrase "small contributions create big change" resonated with me. I wanted my small gesture to help improve a building that I, current students, and future juniors will all use.

Lee: I wanted to contribute, even in a small way, to the growth of the university I belong to. Since the Student Union Building is a space where many students spend time and make memories, I wanted to take part in its transformation.

Q. What kind of campus life do you hope for through this donation?

Park: I am especially looking forward to the club rooms. Last semester, the lack of space was disappointing, so I hope the renewed Student Union Building will allow for a more convenient and enjoyable campus life.

Lee: I look forward to enjoying various activities in a more pleasant environment. I hope to see a community that grows together through club activities and time spent with classmates in the newly renovated building.

Q. What does this experience mean to you personally?

Park: I used to think donations were something only successful people could do. This experience changed that perception and helped me realize that giving brings pride, fulfillment, and inner richness.

Lee: It will remain meaningful as a small action taken for the community I belong to. Although I am still a freshman, it was my first step in showing, through action, my desire to grow alongside the university.

Q. Do you have a message for students who are considering donating?

Park: I hope students will let go of the pressure surrounding donations. As the saying goes, small efforts add up to great change. If possible, I encourage you not to hesitate and take action.

Lee: Even small contributions can greatly support the university's development, and through that process, we can feel the reward of building a better space and culture together.

Q. Lastly, do you have a message for the students and members of Korea University Sejong Campus?

Park: I believe in the potential and vision of this campus. I hope all students will look toward the future of our university with a positive outlook.

Lee: I believe that small interest and participation create meaningful change. Just like this renovation, if we work together, our campus will continue to grow and develop.

A Commitment Carried Forward Through Research, Blossoming in Sejong

Jung Kyun-hwa Distinguished Professor Research Fund Pledge and Award Ceremony

On September 23, Korea University Sejong Campus held the Jung Kyun-hwa Research Fund Pledge and Award Ceremony at the Kang Soo-dol Lounge (Room 105, Seokwon Business Building). Attendees included Distinguished Professor Jung Kyun-hwa; alumni Kang Pan-mook, Park Jung-pil, Cho Young-gyun, and Lee Dong-han; Dean Jung Kyu-eon of the College of Global Business; Lee Byung-hee, Director of Student Affairs; and faculty members from the Global Management major.

The Jung Kyun-hwa Scholarship Fund was established with a total of KRW 170 million, of which KRW 110 million was awarded as scholarships. The remaining KRW 65 million was converted into a research fund, and with additional donations from alumni, a total of KRW 120 million was ultimately raised as the Jung Kyun-hwa Research Fund.

The fund will be used to support the academic development of early-career researchers. In particular, research published in internationally recognized journals will include acknowledgements introducing both Korea University Sejong Campus and the purpose of the fund.

Professor Yang Hee-tae of the Global Management major was selected as the first recipient. In addition to internal start-up research funding, the award provides KRW 5 million per semester for two semesters, totaling KRW 10 million. The support is expected to enable stable research activity by emerging scholars and promote the international dissemination of their academic work.

Front Elevation Rendering of the Student Union Building Renovation

L&P Cosmetic Chairman Kwon Oh-sub Donates KRW 1 Billion to Student Union Building Renovation Fund

Kwon Ohsub, Chairman of L&P Cosmetic, donated 1 billion won to support the renovation of the Student Union Building at Korea University Sejong Campus. This donation is part of Chairman Kwon's broader contribution of 3 billion won to the development of Korea University. Of the total amount, 1 billion won will be allocated to Korea University Sejong Campus, while another 1 billion won will be designated for Korea University Medical Center.

The newly renovated Student Union Building at Korea University Sejong Campus is planned as a multi-purpose welfare complex that integrates spaces for learning, relaxation, and communication. The facility is expected to strengthen the campus's position as a leading university in the central region of Korea, while significantly improving the quality of student life.

Including this contribution, Chairman Kwon's cumulative donations to Korea University now total approximately 25.1 billion won. Since his initial donation of 12 billion won in 2016 toward the establishment of the 'Mediheal Earth & Environmental Science Hall,' he has consistently supported the university across various areas, including the Athletic Development Fund (1 billion won), sponsorship of the university rugby team (100 million won), scholarships for international students (120 million won), and the provision of hand sanitizers to the Medical Center. In 2023, Chairman Kwon further donated 5 billion won to the Medical Development Fund, which led to the establishment of 'Mediheal Hall,' the main auditorium of the newly constructed annex at Anam Hospital.

President Kim Dongone of Korea University stated, "We sincerely appreciate Chairman Kwon Ohsub's continued interest in and dedication to the University. Building on this generous support, we will further strengthen balanced development across campuses and intensify our efforts to nurture future professionals."

The 1st KUS Alumni Night Successfully Held

On November 28, the Office of International Affairs held the 1st KUS Alumni Night at Choi Jonghyun SK Future Hall, Korea University Sejong Campus. Held for the first time, this event was organized to promote interaction among alumni of the Sejong Campus and to strengthen their ties with the university, marking its inaugural edition.

The event was attended by approximately 150 participants, including President Kim Dongone of Korea University, Vice President Yang Jiwoon of the Sejong Campus, Senior Vice President Han Yoonsang of the Alumni Association, along with around 20 university and alumni association officials and more than 130 alumni. Under the theme 'The First Step of Korea University Sejong Campus Toward a Shining Journey,' the event reflected the significance of a new beginning in line with the inaugural nature of the occasion.

The program began with an opening declaration, followed by a commemorative video for the 1st KUS Alumni Night, an introduction of distinguished guests, a welcome address by President Kim Dongone, and congratulatory remarks from the Alumni Association. In particular, the presentation of 'Sejong Campus Vision 2030' provided attendees with an overview of the campus's mid- to long-term development strategies and future direction.

The celebratory performances featured vocal performances by three students from the Korea National University of Arts, as well as a stage by 'Rooters,' the cheering squad of Korea University Sejong Campus. During the banquet, a raffle event was held, offering prizes such as Korea University's 120th Anniversary commemorative wine and a Dyson Airwrap Styler.

The event is expected to serve as a meaningful opportunity to strengthen alumni networks while fostering continuous communication and cooperation with the university, ultimately contributing to the foundation for future development fund initiatives.