I also studied AI composition on campus!… GIST holds social contribution program 'AI Dream Tree Camp'

– On the 16th (Monday), 23 students from Juam Middle School in Suncheon were invited to the GIST campus
– GIST social contribution group 'Pium', from 'Visiting Science Camp' to 'AI Dream Tree Camp'... Operating an experiential science and engineering career experience program for students in underprivileged areas

▲ Students from Juam Middle School in Suncheon who participated in the GIST AI Dream Tree Camp are taking a commemorative photo.

The Gwangju Institute of Science and Technology (GIST, President Kichul Lim) announced on the 16th (Monday) that it invited 23 students from Juam Middle School in Suncheon to the campus and held an 'AI Dream Tree Camp'.

The 'AI Dreamers Camp'* is a social contribution program designed to provide middle and high school students in underprivileged areas with practical career experience through AI education, as artificial intelligence (AI) is one of GIST's key research areas driving trends in the scientific community.

* AI Dream Tree Camp: It started as a 'Visiting Science Camp — AI Camp' through the sponsorship of KT's AI MAKERS KIT in 2021, and the program was reorganized into 'AI Dream Tree Camp' in 2022, and it is an event that has been held for the third time this year.

This camp, prepared to provide practical hands-on AI education, includes ▲ Campus tour ▲ AI KIT (artificial intelligence speaker) production and coding class ▲ Lab

experience (lab tour and experience of research results), and the level of satisfaction and participation of students in the field was high.

In the 'AI KIT production and coding course', a class was conducted using artificial intelligence speakers that are easily accessible to students so that they can become familiar with AI. Over the course of three hours, students created their own artificial intelligence speaker and completed coding on their own using block coding.

Later, in the 'Lab Experience Program', which was of the highest interest to the students, they had a chance to get closer to AI by experiencing interesting AI composition research such as 'lyrics and automatic composition process using Chat GPT', 'mood-based instant composition based on face recognition', and 'mood-based instant composition based on face recognition', including a composition demonstration by Korea's first AI composer 'EVOM' developed by Professor Chang Wook Ahn (Meta-Evolutionary Machine Intelligence Laboratory) of the AI Graduate School of AI.

A student who participated in the camp said, "I always felt that artificial intelligence was difficult and distant, but it was interesting to actually experience it. I was especially excited to see that I could take a picture of my face in the lab and have a song composed in less than a minute. When I tried coding myself, it was more fun than I thought and made me want to study more in the future."

▲ At the 'AI Dreamers Camp' organized by GIST's social contribution group 'Fium' on May 16, Juam Middle School students are learning to create and code AI using coding blocks (AI speakers).

President Kichul Kim said, "Thanks to Pium's various knowledge sharing activities, GIST was selected as the operating organization for the 'University Career Exploration Camp Project' hosted by the Ministry of Education and the Korea Foundation for the Advancement of Science and Creativity for three consecutive years starting in 2021. In celebrating our 30th anniversary this year, we will actively strive to resolve regional educational gaps and foster scientific specialists through various social contribution projects."

Meanwhile, GIST's social contribution group 'PIUM'* is performing a wide range of knowledge sharing through various social contribution activities, including the 'AI Dream Tree Camp'.

'Pium' has conducted a total of 4 programs to date, including 'Visiting Science Camp', an offline science camp program (Sinan Bigeum Middle School, Jangheung Anyang Middle School, Mokpo Hadang Middle School), and 'AI Dream Tree Camp'.

* PIUM (P: positive, I: interaction, U: understanding, M: mind): It means to spread the scent of GIST by sowing seeds and providing water and shelter to make flowers bloom in our society, just like blooming flowers.

In addition, GIST is actively operating 'GIST LAN Mentoring,' a unique online mentoring program unique to GIST, for approximately 200 middle and high school students across the country. In particular, we plan to operate a number of experiential science and engineering career experience programs offline in the second half of the year.

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