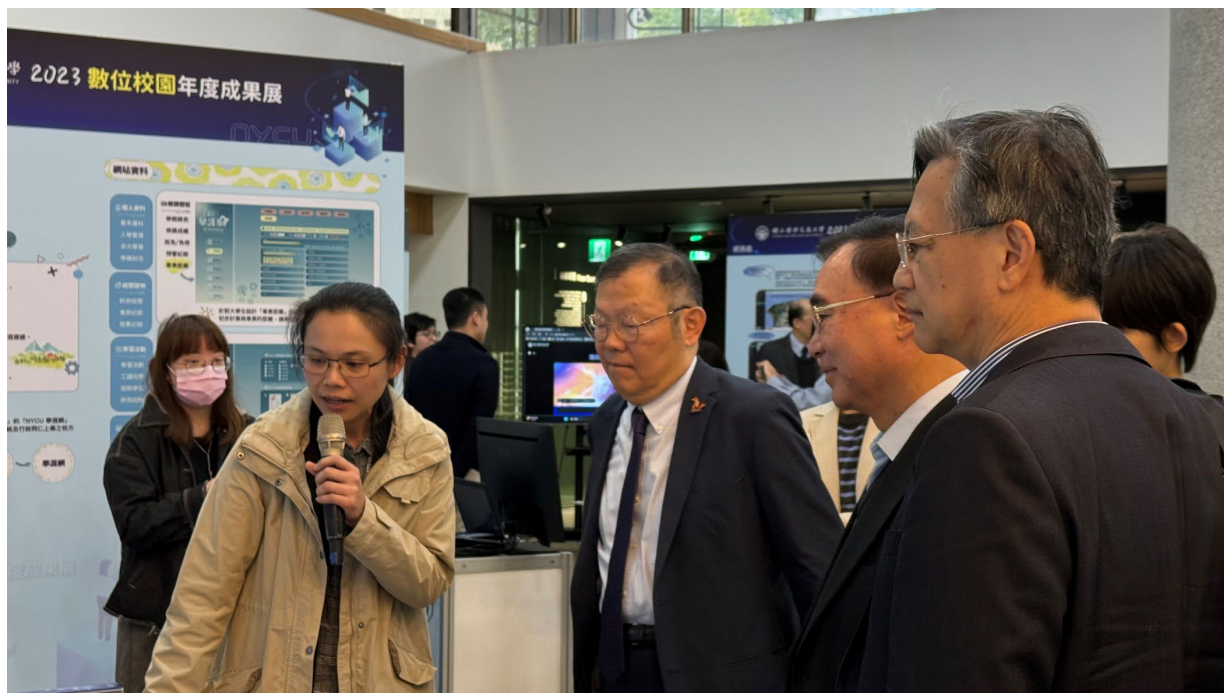## 2023 NYCU Digital Campus Achievements Exhibition

4 QUALITY EDUCATION

CIRDA Assistant Research Fellow, Dr. Su-Chien Chiang, Explains Digital Campus Construction to the President and Vice President

2023 NYCU Digital Campus Achievements Exhibition

From December 26 to 29, 2023, a four-day exhibition was held at the Chiaotung Campus Library to showcase the results of digital campus development. This event aimed to enhance the understanding of digital infrastructure on campus for faculty, students, and the general public. Through visual and textual explanations and interactive multimedia presentations, the exhibition provided a concrete manifestation of the university's efforts in constructing a digital smart campus using artificial intelligence. For example, the General Affairs Office has implemented an artificial intelligence automated management system, overseeing over 1,200 streetlights across multiple campuses.

One of the highlights of the exhibition is the 'NYCU Campus Mastermind,' an internal ChatGPT system developed by Professor Jen-Tzung Chien and Dr. En-Cheng Liu from the Department of Electrical Engineering. The system has been helping faculty and students to engage in direct conversations with the AI robot to obtain various campus-related information. Since its activation in late 2023, the system has responded to over 10,000 inquiries and collaborated with administrative units to collect and organize more than 30,000 pieces of data. The LINE ChatBOT, operated by CIRDA, has accumulated 7,588 friends and collaborates with the Campus Mastermind System. This collaboration enables real-time access to campus event information and facilitates the resolution of various campus issues, significantly streamlining administrative processes. 【NYCU NEWS https://reurl.cc/j3Gyrp】
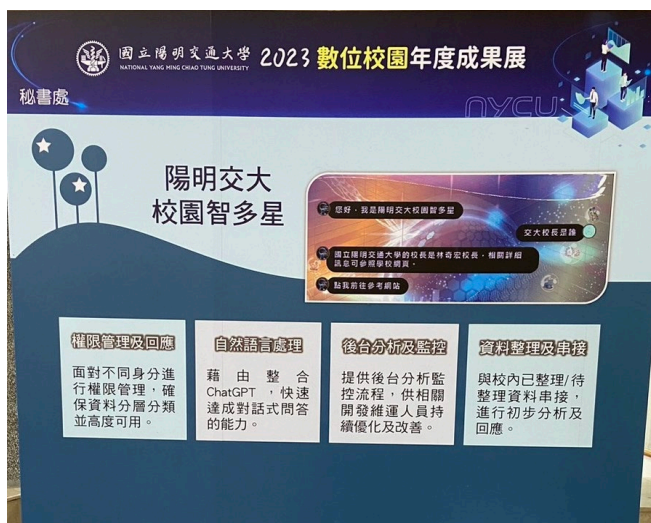
2023 NYCU Digital Campus Achievements Exhibition

陽明交大校園智多星學院競賽頒獎典禮

NYCU「Campus Mastermind」College Competition Award Ceremony

To showcase the data provided by various departments and colleges, the school organized the first "NYCU Campus Mastermind College Competition." Nineteen colleges joined the competition, and the final scores were tallied to select the top three, who were rewarded. The award ceremony took place on December 26 during the Digital Campus Achievements Exhibition. The College of Electrical Engineering and the College of Photonics jointly secured the second place, while the College of Life Science earned the third place. The College of Biomedical Engineering and the College of Technology Law received honorable mentions.

Compared to LLM, the "NYCU Mastermind" system exhibits significant advantages in terms of data accuracy, accountability, and timeliness. The system has introduced a "confidence indicator" to manage the decision quality of multiple artificial intelligence (AI) models, further enhancing the credibility of responses.