校務大數據研究中心
Center for Institutional Research and Data Analytics

NYCU CIRDA

E-Newsletter

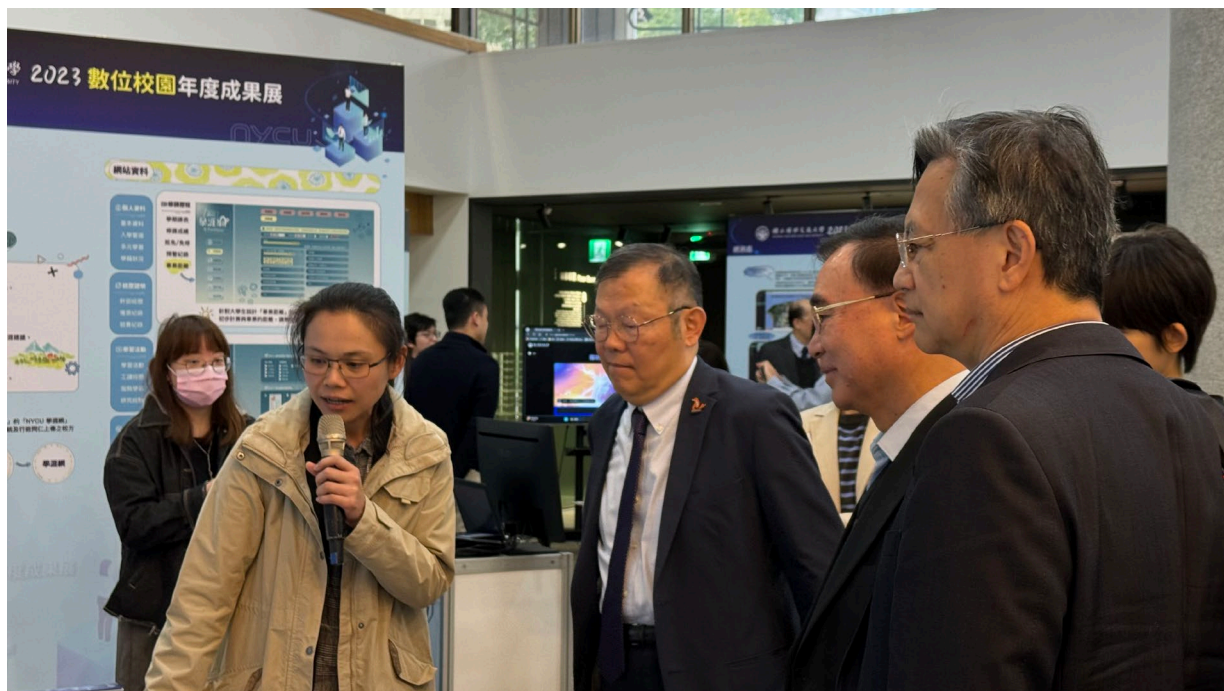## CONTENT

Upcoming Event

- **【The 5th Taiwan Association for Institutional Research Annual Meeting and International Conference】**
  THEME: Data Governance & International Talent Cultivation
  Date：2024/2/23 (Fri.) 0900-1635
  Location：**NYCU Hsien-Che Building, Boai Campus. No. 75 Boai Street, Hsinchu, Taiwan**

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】
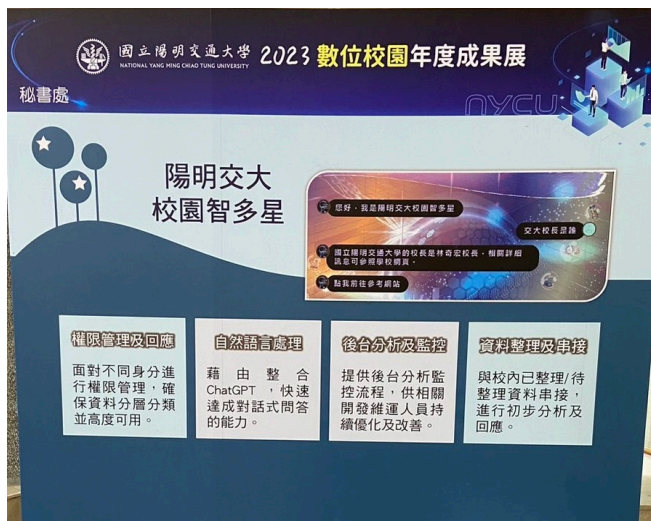
2023 NYCU Digital Campus Achievements Exhibition

陽明交大校園智多星學院競賽頒獎典禮

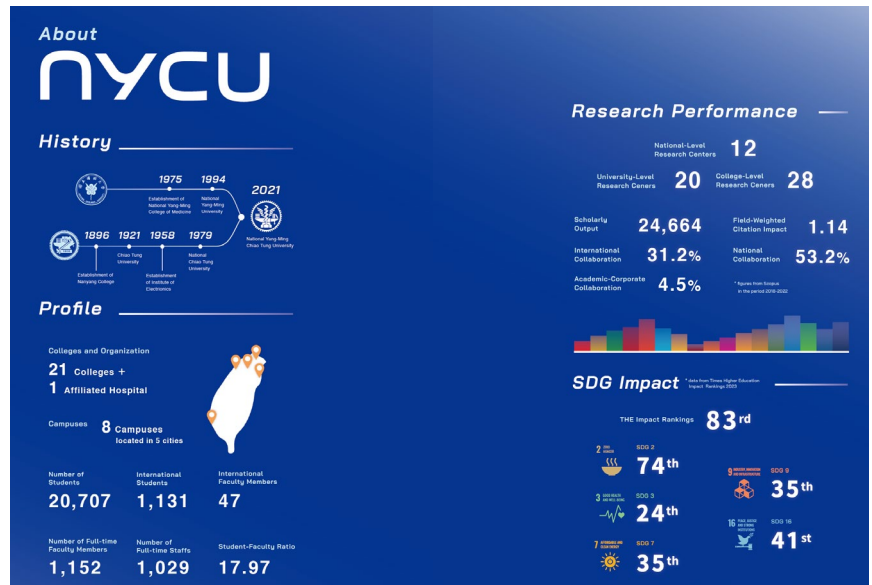# NYCU「Campus Mastermind」College Competition Award Ceremony

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.

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Annual Sustainable Development Goals (SDGs) Report

"NYCU 2023 SDGs Report"

The NYCU 2023 Sustainable Development Goals (SDGs) Report is available in both print and electronic edition. Please visit our website for more details. https://sdgs.nycu.edu.tw/sdgs-reports/

TEDxNYCU Women 2023

TEDxNYCU Women 2023：Two Steps Forward

On December 3, 2023, the event TEDxNYCU Women 2023: Two Steps Forward was co-organized by the Communication and Outreach Team of our center. It took place at the NYCU Yangming Campus. The event attracted over 50 attendees, bringing together participants for this annual TEDxNYCU gathering.

The theme, "Two Steps Forward," aims to delve deeper into the exploration of gender equality through video presentations and engaging conversations with speakers. The goal is to lead the audience to contemplate how to take further steps in promoting gender equality and implementing these ideas on the NYCU campus. The event consists of three main thematic talks: "Autonomy in Reproductive Rights," "Issues with Toxic Masculinity," and "Body Art and Expressing Issues." Each segment will commence with an exclusive TED 2023 unreleased talk, serving as the foundation for discussion.

In addition to the main thematic talks, the event also features the "Open Mic Showcase," providing a platform for students and faculty with innovative ideas to share their thoughts. For this edition of the "Open Mic Showcase," we selected eight outstanding ideas from a pool of submissions. These selected ideas were then presented and evaluated live during the event.

2023 World University Ranking (Overall)

Overall Ranking	2021	2022	2023
QS World University Rankings	268	202	217 ↓
Times Higher Education (THE) World University Rankings	305	504	403 ↑
Academic Ranking of World Universities (ARWU)	438	432	425 ↑

2023 THE World University Impact Rankings

By SDG Category	2022	2023
Overall Ranking (Best Three Results)	101-200	**83↑**
SDG 2 Zero hunger	--	**74** (new)
SDG 3 Good health and well-being	82	**24↑**
SDG 6 Clean water and sanitation	--	**201-300** (new)
SDG 7 Affordable and clean energy	201-300	**35↑**
SDG 8 Decent work and economic growth	201-300	**201-300**
SDG 9 Industry, innovation and infrastructure	43	**35↑**
SDG 11 Sustainable cities and communities	101-200	**101-200**
SDG 12 Responsible consumption and production	89	**101-200 ↓**
SDG 16 Peace, justice and strong institutions	81	**41↑**
SDG 17 Partnerships for the goals	101-200	**101-200**

2023 World University Rankings

2023 World University Ranking (Subjects)

Institute	Range	Subjects
QS Subjects	#101-200	Nursing (137)、Electrical and Electronic Engineering (155)、Computer Science and Information Systems (191)、Medicine (199)
	#201-300	Statistics & Operational Research (205)、Chemical Engineering (219)、Physics & Astronomy (243)、Mathematics (249)、Law (257)、Mechanical Engineering (269)、Biological Sciences (270)、Chemistry (282)、Sociology (295)
	#301-500	Business & Management Studies (300)、Accounting & Finance (319)、Education & Training (327)
THE Subjects	#101-200	Education (187)
	#201-600	Engineering (217)、Computer Science (220)、Clinical & Health (242)、Arts & Humanities (413)、Business Economics (460)、Life Sciences (450)、Physical Sciences (575)
ARWU Subjects	#51-100	Nursing (71)
	#101-200	Instruments Science & Technology (142)、Nanoscience & Nanotechnology (174)、Dentistry & Oral Sciences (179)、Energy Science & Engineering (187)、Telecommunication Engineering (189)
	#201-300	Education (204)、Materials Science & Engineering (204)、Biomedical Engineering (281)、Communication (289)
	#301-500	Computer Science (317)、Mechanical Engineering (319)、Medical Technology (320)、Chemistry (364)、Pharmacy & Pharmaceutical Sciences (369)、Chemical Engineering (434)、Biotechnology (439)、Human Biological Sciences (500)

International Talent Cultivation & Sustainable Development

In the current wave of globalization, "data governance" and" international talents cultivation" have become crucial goals for the higher education institutions. Data governance plays a crucial role in optimizing resources, improving decision-making quality, and ensuring the competitiveness of academic institutions. Additionally, the cultivation of international talents promotes cultural exchange and enhances the global reputation of academic institutions. Through effective data management and the nurturing of internationalized talent, higher education institutions can adeptly address challenges, attain exceptional educational quality, and bolster international competitiveness. Therefore, this conference focuses on "Data Governance" and "International Talent Cultivation." We warmly welcome institutional research partners and experts from diverse fields to participate in this academic exchange and research discussion, with the shared goal of advancing the development of higher education.

Date：2024/2/23 (Fri.) 0900-1635

Location：NYCU Hsien-Che Building, Boai Campus. No. 75 Boai Street, Hsinchu, Taiwan

For more information, please visit TAIR website：

https://sites.google.com/tair.tw/tair2024

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N Y C U   S D G s   W e b s i t e   https://sdgs.nycu.edu.tw/