

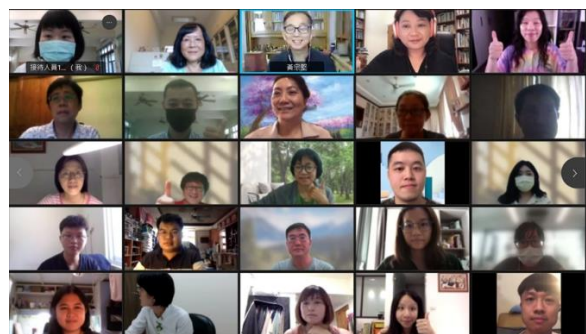
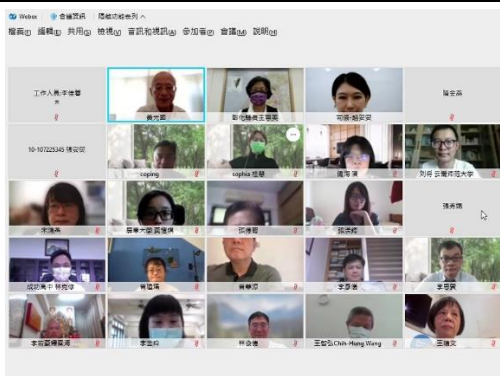
Exchange Activities between the National Changhua University of Education and
Underdeveloped/Developing Countries

Activities	# of Participants
The 4th Indigenous Social Science Conference & The 5th Indigenous Counseling Psychology Conference	Approximately 200
Virtual meeting between the NCUE International Office and the Ukraine Berdyansk State Pedagogical University	Approximately 8
2021 “Overcoming the Difficulties of the South” Virtual Conference	Approximately 90
Virtual academic exchange meeting between the NCUE International Office and Professor Chen Yiwen of the Department of Sports and Surabaya University of Technology in Indonesia, and the University of Raman in Malaysia	75
The Sixth Taiwan–Indonesia Higher Education Virtual Forum	Approximately 160
Virtual academic exchange meeting between the NCUE International Office-and the Central University of Ghana, Africa	Approximately 8
Virtual meeting between the NCUE International Office–and the SMK Theresiana Semarang on admissions issues	76
Virtual academic exchange meeting between the NCUE International Office, the deans of NCUE College of Science and the College of Engineering,and the Karpagam Academy of Higher Education in India	Approximately 12
Virtual admission promotional meeting between the NCUE International Office and Director Ho from the SMK Theresiana Semarang, and the conveners of Jakarta and Semarang areas, Indonesia, respectively.	Approximately 8
Lecture Series on Global Education: Food, Cultures, and Languages of New Southbound Countries	60
Lecture Series on Global Education: From Huis to Taiwanese Muslims—The Formation of Taoyuan's Muslim Community	100
2021 Online Summer Camp for partner university students (4 times)	96
Christmas Party for Overseas Chinese and Foreign Students (3 times)	Approximately 210
Online Welcome Party and Orientation for Exchange Students	42
Taiwan Cultural Trips for Overseas Chinese and Foreign Students	Approximately 100
School Fair	Approximately 200

Welcome Luncheon for Overseas Chinese and Foreign Students	Approximately 120
Overseas Chinese Students' Association (OCSA) Night	Approximately 200
Farewell Party and Graduation Exhibition for Overseas Chinese and Foreign Students (Online Activity)	Approximately 100
Chinese New Year Celebration for overseas degree students	Approximately 80
Chinese New Year Celebration for overseas Chinese students	Approximately 100

NCUE has more than 220 partner universities around the world, of which 28 are located in underdeveloped and developing countries. Despite the continuous escalation of the COVID-19 pandemic worldwide, the University maintains its exchanges with its partners through online and offline channels, including teacher training, internships, school activities, lectures, cooperative research, and academic conferences, to enhance the international participation of teachers and students, as well as to provide professional assistance to its partners based on the University's academic and educational foundations. The exchange activities cover countries such as India, Indonesia, Vietnam, Ukraine, and Ghana in Africa. Some examples of the activities are as follows:

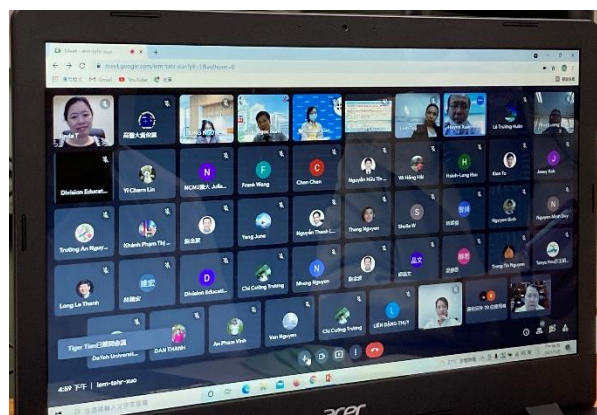
- (1) From October 1st to 3rd, 2021, NCUE, Chinese Indigenous Social Science Association, and World Indigenous Counseling Psychology Alliance jointly held an international academic seminar. Scholars from Indonesia and other countries were invited to participate in the meeting virtually.



- (2) The NCUE International Office held a meeting with Berdyansk State Pedagogical University from Ukraine to discuss cooperative and exchange programs.



(3) On October 29, 2021, the NCUE International Office held a meeting with 19 higher-education institutions in Vietnam to discuss exchange and cooperative agreements.



(4) On November 12, 2021, the NCUE International Office and Professor Chen Yiwen from the Department of Sports held a meeting with the Surabaya University of Technology in Indonesia and the University of Raman in Malaysia to discuss short-term co-teaching programs.



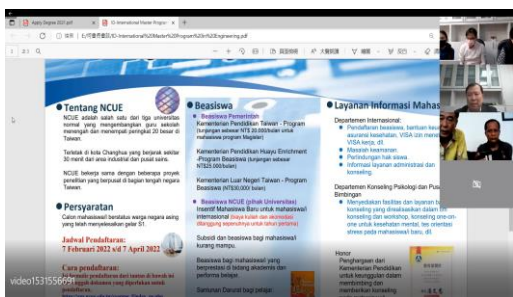
(5) From November 25th to 26th, 2021, the NCUE International Office participated in the Indonesian Education Forum, discussed cooperation programs with Indonesian UIN Maulana Malik Ibrahim Malang, and signed a memorandum of understanding.



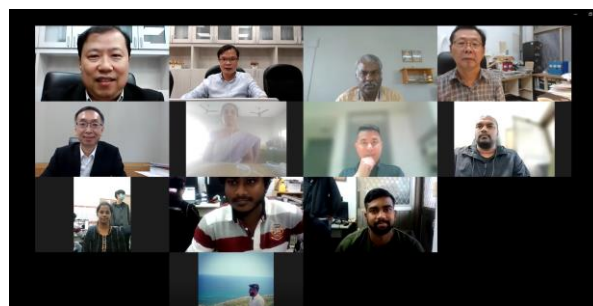
(6) On December 15, 2021, the NCUE International Office held a meeting with the Central University of Ghana, Africa, discussing the Elite Scholarship Program and NCUE International Master Program in Engineering.



(7) On December 23, 2021, the NCUE International Office and the SMK Theresiana Semarang, Indonesia, organized a meeting to discuss enrollment issues.

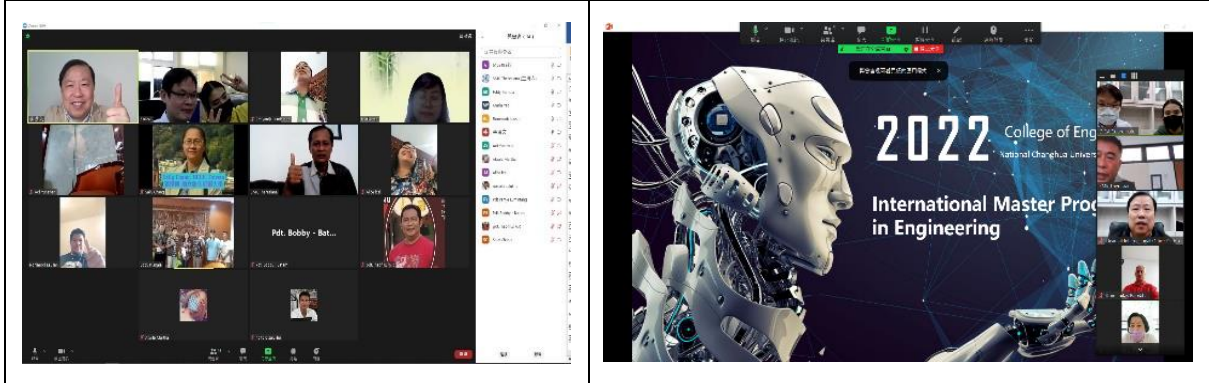


(8) On December 24, 2021, the NCUE International Office, the deans of the College of Science and the College of Engineering and the Karpagam Academy of Higher Education in India held a meeting to discuss a memorandum of understanding, student exchange programs, and academic exchanges and joint research projects in science and engineering.



(9) On January 8 and 13, 2021, the NCUE International Office and Director Ho from the SMK Theresiana Semarang held meetings with the conveners of Jakarta and Semarang areas,

Indonesia, respectively, regarding student recruitment.



Further, NCUE has held a series of diverse cultural events for students every year (some events that had been scheduled to take place in 2021 were cancelled due to the pandemic). Some examples are shown below:

1. Lecture Series on Global Education, and cultural experience workshops, which invite foreign organizations, professionals, and individuals in Taiwan to share cultural topics to increase students' understanding of different cultures and hands-on experiences.



One of the many Lecture Series on Global Education: From Hui to Taiwanese Muslims—The Formation of Taoyuan's Muslim Community

2. International Week and OCSA Week organized annually in cooperation with overseas Chinese and foreign students, including a series of cultural seminars, workshops, galleries, plays, and school fairs that help promote cultural exchanges between foreign and local students.



A stall promoting foreign cuisine cultures at the school fair



Seminar “Travel around The World” during the International Week invited students from Malaysia, Indonesia, Macau, Japan and Hong Kong to introduce their countries to Taiwanese students.

3. **Cultural exchange trips**, which arrange visits for foreign students to different cultural hotspots in Taiwan and delve deep into local communities and cultures.



Cultural Trips around Taiwan: Tainan

4. Events for traditional festivals organized by NCUE International Office and OCSA to engage international students with local traditions.



Chinese New Year Celebration 2021 for overseas degree students



Overseas Chinese Students Association's Chinese New Year Gathering 2021

4. International Summer Camps, in which foreign students from Indonesia, among others, were invited to Taiwan to participate in a series of workshops on the Chinese language, culture, arts, and more. The camp activities include visits to nearby communities as well as cultural and creative industries to experience Taiwan's local culture.



International Summer Camp's participants attended the online Chinese language classes.



International Summer Camp's participants **learned** about Taiwan culture via online workshops.

※Appendix of National Changhua University of Education's co-authored articles with academics from developing countries in 2021

Article Title	EDITION	Journal title	Authors	Countries
What Attributes Determine Overall Satisfaction in Patient Safety Culture? An Empirical Study of the Perceptions of Hospital Staff in Taiwan	SCI	Journal of Testing and Evaluation	Wu, C. F., Wu, H. H., Lee, Y. C., & Huang, C. H.	China, Taiwan
Humidity Sensing and Photodetection Based on Tin Disulfide Nanosheets	SCI	Crystals	Lin, D. Y., Hsu, H. P., Hu, H. S., Yang, Y. C., Lin, C. F., & Zhou, W.	China, Taiwan
The Design and Implementation of an Improved Lightweight BLASTP on CUDA GPU	SCIE	Symmetry-Basel	Sun, X., Wu, C. C., & Liu, Y. F.	China, Taiwan
Enhanced thermoelectric performance of band structure engineered GeSe _{1-x} Te _x alloys	SCI	Sustainable Energy & Fuels	Sidharth, D., Nedunchezhian, A. A., Akilan, R., Srivastava, A., Srinivasan, B., Immanuel, P., ... & Jayavel, R.	India, Japan, Taiwan
Electrochemical detection of antipsychotic drug in water samples based on nano/sub-microrod-like	SCI	Microchemical Journa	Kaleeswarran, P., Sriram, B., Wang, S. F., Baby, J. N., Arumugam, A.,	India, USA, Taiwan

Article Title	EDITION	Journal title	Authors	Countries
CuBi ₂ -xIn _x O ₄ electrocatalysts			Bilgrami, A. L., ... & Liu, C. J.	
An X-Ray Study of the White Dwarf Binary AR Scorpii	SCI; SCIE	The Astrophysical Journal	Takata, J., Wang, X. F., Wang, H. H., Lin, L. C., Hu, C. P., Li, K. L., & Kong, A. K. H.	China, Korea, Taiwan
Broadband X-ray burst spectroscopy of the fast-radio-burst-emitting Galactic magnetar	SCI; SCIE	Nature Astronomy	Younes, G., Baring, M. G., Kouveliotou, C., Arzoumanian, Z., Enoto, T., Doty, J., ... & Wadiasingh, Z.	USA, Japan, Turkey, France, Turkey, Denmark
Investigation of gamma-ray variability and glitches of PSR J1420-6048	SCI; SCIE	Monthly Notices of the Royal Astronomical Society	Lin, L. C. C., Wang, H. H., Hui, C. Y., Takata, J., Yeung, P. K., Hu, C. P., & Kong, A. K.	China, Korea, Germany, Taiwan, Japan
A Month of Monitoring the New Magnetar Swift J1555.2-5402 during an X-Ray Outburst	SCI; SCIE	The Astrophysical Journal Letters	Enoto, T., Ng, M., Hu, C. P., Güver, T., Jaisawal, G. K., O'Connor, B., ... & Eie, S.	Japan, USA, Taiwan, Turkey, Denmark, USA, Japan, Canada, UK
Mild and Efficient Copper-Catalyzed Synthesis of Trisubstituted Pyrroles	SCI	Synthesis	Hsu, M. H., Kapoor, M., Pradhan, T. K., Tse, M. H., Chen, H. Y., Yan, M. J., ... & Han, C. C.	India, Taiwan
Development of flexible electrochemical impedance spectroscopy-based biosensing platform for rapid screening of SARS-CoV-2 inhibitors	SCI	Biosensors and Bioelectronics	Kiew, L. V., Chang, C. Y., Huang, S. Y., Wang, P. W., Heh, C. H., Liu, C. T., ... & Chang, C. C.	Malaysia, Taiwan,
Superior improvement in dynamic response of liquid	SCI	Scientific reports	Hsu, C. J., Singh, B. P., Selvaraj, P.,	Taiwan., India

Article Title	EDITION	Journal title	Authors	Countries
crystal lens using organic and inorganic nanocomposite			Antony, M., Manohar, R., & Huang, C. Y.	
Using a Summarized Lecture Material Recommendation System to Enhance Students' Preclass Preparation in a Flipped Classroom	SSCI	Educational Technology & Society	Yang, C. C., Chen, I. Y., Akçapınar, G., Flanagan, B., & Ogata, H.	Japan, Taiwan, Turkey
International collaborative follow-up investigation of graduating high school students' understandings of the nature of scientific inquiry: is progress Being made?	SSCI	International Journal of Science Education	Lederman, J. S., Lederman, N. G., Bartels, S., Jimenez, J., Acosta, K., Akubo, M., ... & Wishart, J.	Brazil, Bulgaria, Canada, Sweden, Chile, China, Egypt, England, Fiji, Finland, France, Georgia, Germany, Taiwan, Greece, Hong Kong, Australia, Japan, Mexico, Peru, South Africa, Colombia, Spain, Thailand, France, Turkey, USA
A predictive intelligence system of credit scoring	SCIE	Applied Soft Computing	Wu, C. F., Huang, S. C., Chiou, C. C., & Wang, Y. M.	China, Taiwan

Article Title	EDITION	Journal title	Authors	Countries
based on deep multiple kernel learning				
Achieving large uniform tensile elasticity in microfabricated diamond	SCI	SCIENCE	Dang, C., Chou, J. P., Dai, B., Chou, C. T., Yang, Y., Fan, R., ... & Lu, Y.	Hong Kong, Taiwan, China, USA
Interfacial Atomic Ni Tetragon Intercalation in NiO ₂ -to-Pd heterostructure triggers superior HER activity than Pt Catalyst	SCI	Journal of Materials Chemistry A	Li, H., Dai, S., Bhalothia, D., Hu, A., Chou, J. P., & Chen, T. Y.	Hong Kong, Taiwan, China,
Enhanced x-ray emission coinciding with giant radio pulses from the Crab Pulsar	SCI; SCIE	Science	Enoto, T., Terasawa, T., Kisaka, S., Hu, C. P., Guillot, S., Lewandowska, N., ... & Tanaka, S. J.	Japan, Taiwan, USA, France, UK, Turkey, Denmark
Influences of Flipped Teaching in Electronics Courses on Students' Learning Effectiveness and Strategies	SSCI	International Journal of Environmental Research and Public Health	Lo, C. C., Hsieh, M. H., Lin, H. H., & Hung, H. H.	China, Taiwan