



2023 The 14th International Conference & Global Competition
on Systematic Innovation (ICSI & GCSI)

GCSI PROJECT AWARDS

Awards	ID	Project Title	Team members
Gold medal	17	Design of Underground Load Haul Dump Hybrid Power System based on QFD and TRIZ	Shuo-shi Lu, Kun Yuan, Sha Qiao, Xiao-bing Pei, Wen-bo Qi, Xin Guo, Xin Li, Yan-ru Bai
Silver medal	2	NOTTINK - the Authentication Platform based on the 3D Printing Digital Watermarking Technology and Blockchain Technology	Hing Kai Chan, Min Guo
Silver medal	16	Adaptive Chewing Food Development along with Intergenerational Learning for Elder Care based on Systematic Innovation Method	Jo-Peng Tsai, Chih-Cheng Yeh, Shih-Li Huang, Shu-Ching Yang
Bronze medal	12	TRIZ-Powered Water Carrier: Redefining Access to Clean Water	Katrina Mae Benavides Procopio, Hsin Rau, Giovanni Budiardjo
Bronze medal	9	The implementation and performance evaluation of the lean management prototype system of the water valve production line in the manufacturing industry	Chen Wei-Hung, Yang Yen-Ming, Chen Hsina-Na, Sie Syu-Ru, Huang Bo-Wei
Bronze medal	8	Every Ball Counts- An Improved Design for Sports Ball Carts	Cheng-Chi Chen, Tien-Lun Liu, Tzu-Yi Hsu
Honorable mention	15	Passive Knee Joint Exercise and Rehabilitation Device	Yu-Gang Chen, Jo-Peng Tsai, Min-Ling Xie
Honorable mention	11	Development of AC Adapters Based on Technological Evolution	Li Yu Lin, Hsin Rau
Honorable mention	13	Research on applying negative ion innovative components to improve sleep quality	Li Yuan Chen, Yu-Liang Yeh, Ren-Fa Zheng
Honorable mention	10	Systematic Modernization of Fish Smoking Method with Utilization Smoked Fish Machine based on Sustainable Technology	Rizal Justian Setiawan, Yu Tzu Chen, Khakam Maruf, Nur Azizah



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Innovation Methods



The Society of
Systematic Innovation



Guangdong Business and
Technology University