

President Chen Wenqiang of the First Vietnam-Soviet Vocational and Technical College led a team to visit our department (2025.4.24)

Visit the CAM Practice Factory



Visiting the Motobike training factory



Event Name 2024TIRT International Robotics Competition	Event Name 2024TIRT International Robotics Competition		
Event time: November 8 to 10, 2014 Location: Taoyuan Arena	Event time: November 8 to 10, 2014 Location: Taoyuan Arena	Location	Touyang
Organizer/Co-organizer Taoyuan City Government Economic Development Bureau/Xiang Yi Charity Foundation	Organizer/Co-organizer Taoyuan City Government Economic Development Bureau/Xiang Yi Charity Foundation		
Submitted by: Department of Mechanical Engineering	Submitted by: Department of Mechanical Engineering		

TIRT (Taoyuan International Innovative Robot Festival) is the largest robotics event in Asia. The 2024 event attracted nearly 1,400 teams and more than 3,200 contestants, including overseas teams from Malaysia, Thailand, the Philippines and other countries. The 2024 TIRT Taoyuan International Startup Robot Festival has entered its seventh year. This year, there are a total of 27 robot challenges, bringing together four major areas: land competitions, water racing, industrial challenges, and innovation and creativity, to showcase the technological capabilities necessary for the new generation of AI! Under the leadership of Assistant Professor Tong Jingxian, students from the Department of Mechanical Engineering of our university have participated in TIRT from 4 students in 2018 to 27 students in 2024, forming a total of 10 teams. From 2019 to 2024, we have achieved remarkable results in the past 6 years, winning a total of 24 medals.

Led by Professor Tong Jingxian, and assisted by Professor Fang Lixing, Director Zhong Cangdong, Technical and Vocational School alumnus Jiang Jiahao, and industry technical consultant Mr. Xie Mingzhi, our department formed 10 teams with 27 students participating in the competition. The participating events included robot football competition, robot dragon boat racing, and sumo robot lightweight competition. During the competition, the students worked hard and achieved great results. By competing against each other, the contestants not only improved their professional skills, but also established valuable friendships. These friendships are more valuable than medals and may even become career and technical partnerships in the future. We would like to thank the students for their hard work over the past two months. To encourage their efforts, a celebration banquet was held on the first floor of Engineering Building 2 on Thursday, November 17, 2013. The 2024 achievements are as follows (chronological order):



Figure 1: Taoyuan Arena competition site

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Figure 2 Electronics Desoldering Second place in the College Individual Group
(Mechanical Class 1 Chen Zhenying)



Figure 3 3 on 3 soccer robot: third place
(Li Yingu ranked third in vehicle, Wu Jialong ranked fourth in machinery, and Dong Chenyue ranked second in machinery)



Figure 4 Robot Dragon Boat Race: First Place
(Huang Bingrui, fourth place in mechanical engineering, Xiao Yuanyuan, third place in mechanical engineering, Liu Binghan, second place in mechanical engineering)



Figure 5 Robot Dragon Boat Race: Second Place
(Wu Jianhua, fourth place in mechanical engineering, Lin Yanting, third place in vehicle engineering, Zhan Shihan, second place in mechanical engineering)

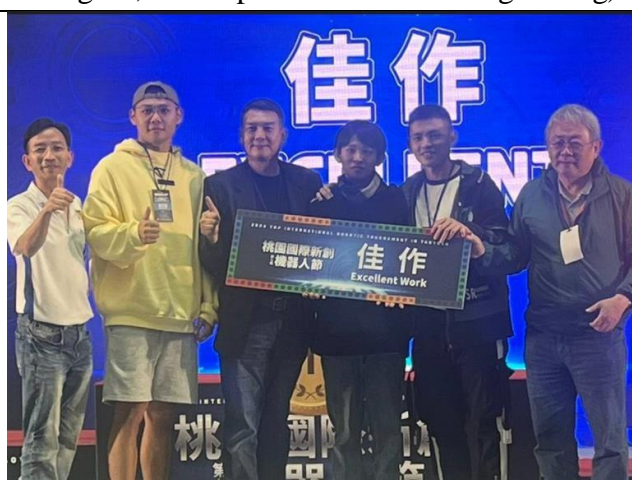


Figure 6 Excellent works of the college group in the dragon boat racing competition
(Fan Yuyuan, fourth place in mechanical engineering; Huang Zhengyan, third place in vehicle engineering; Chen Siyou, second place in vehicle engineering)



Figure 7: Third place in the overall championship of the all-around robot skills competition



Figure 8-1 All-round Robot Skills Competition "Champion"



Figure 8-2 All-around Robot Skills Competition "Champion"

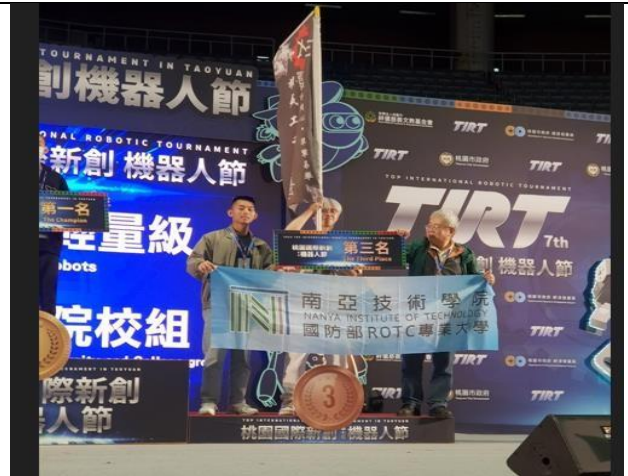


Figure 9: Third place in the lightweight category of sumo robot
(Qiu Zhiyong, third place in mechanics; Yang Kaijie, fourth place in mechanics; Liu Yuchen, second place in vehicle)

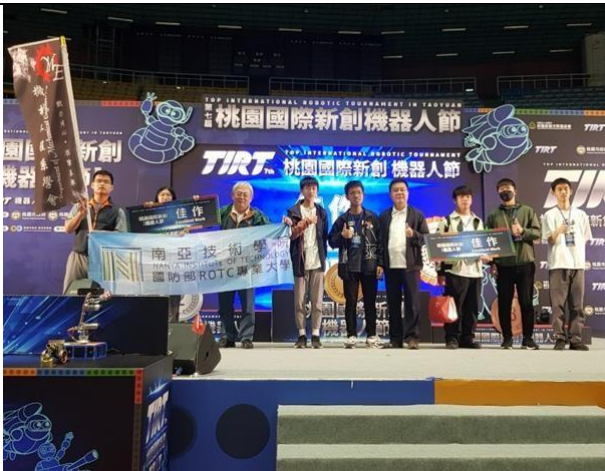


Figure 10: Lightweight sumo robot masterpiece (Mechanical Class 1 Chen Zhenying)



Figure 11 Taoyuan Mayor Chang Shan-cheng delivering a speech at the closing ceremony

【Certificate and license class opening information】

The first batch of the 2015 Class C Automobile Repair License Tutoring Course will be held from February 2014 to July 2014.

Teaching hours: 72 hours Total number of students: 12

Cost: 14,000 yuan

The second batch of the 2013 Class C Automobile Repair License Tutoring Class will be held on Mondays from 11/11/2013 to 5/11/2014.

Teaching hours: 72 hours Total number of students: 15

Cost: 14,000 yuan

2013 Class C Auto Repair License Tutoring Class 2nd Tuesday Class Implementation Period: 2013/11~2014/5

Teaching hours: 72 hours Total number of students: 13

Cost: 14,000 yuan

113th Grade C Automobile Repair License Tutoring Class 1st batch Tuesday and Wednesday shifts Implementation period: 113/3~114/5

Teaching hours: 52 hours Total number of students: 24

Cost: 8800 yuan

Computer-aided Mechanical Design and Drafting Class B Certificate Tutorial Class:

Implementation period: June 30, 2020 to September 12, 2020. Teaching hours: 120 hours

Total number of students: 12 people Class fee: 9600 yuan Implementation results:

1. This training course aims to provide guidance on the practice of the examination questions for the "Computer Aided Mechanical Design and Drafting Level B Certificate" and to enable students to have the ability to perform computer-aided mechanical design.