



中国教育国际交流协会
CHINA EDUCATION ASSOCIATION FOR INTERNATIONAL EXCHANGE



宁波职业技术大学
NINGBO POLYTECHNIC UNIVERSITY

巴西青年企业家AI+智造协同创新营

Brazilian Youth Entrepreneurs AI+ Smart Manufacturing Innovation Camp

项目手册

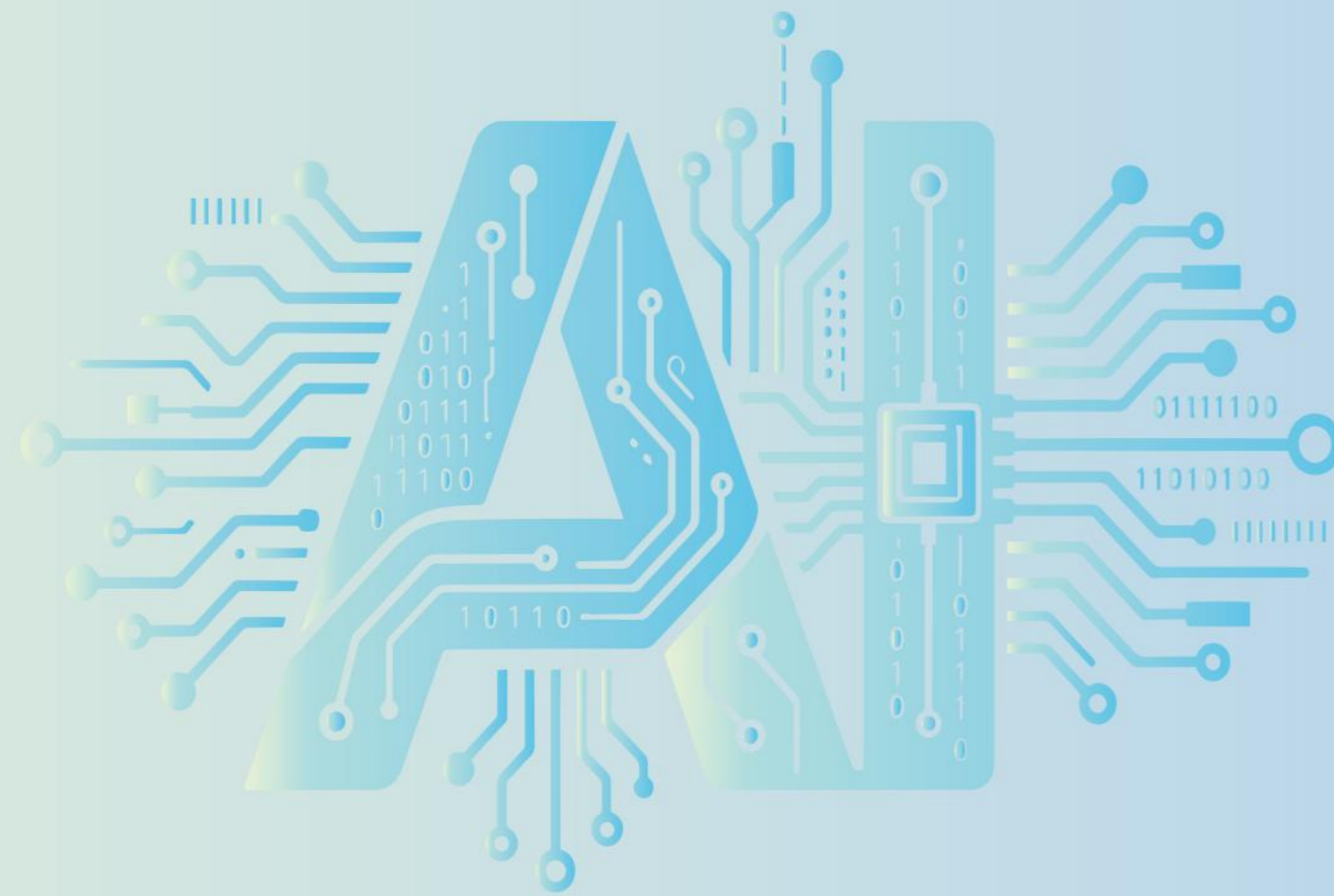
Handbook

主办单位 金砖国家职业教育联盟
Hosted by BRICS TVET Cooperation Alliance (BRICS-TCA)
中国教育国际交流协会
China Education Association for International Exchange (CEAIE)

承办单位 宁波职业技术大学
Organized by Ningbo Polytechnic University

中国·宁波
Ningbo, China
2026.6.1-6.12





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01 AGENDA

Date	Time	Activity
June 1 Monday	Morning	1. Arrival at Ningbo Polytechnic University (NBPV) 2. Check-in at the hotel
	14:00-15:00	Campus Tour
	15:00-16:00	Welcome Ceremony
June 2 Tuesday	9:00-12:00	Course 1: Current Status and Future Prospects of AI Applications
	12:00-14:00	Lunch
	14:00-15:00	Industrial Visit 1: Ningbo PIA Automation Holding Corp. -A globally leading supplier of intelligent manufacturing equipment
	15:00-17:00	Industrial Visit 2: Haitian Group -An industry leader deeply engaged in the equipment manufacturing sector, providing intelligent and efficient solutions for the industry.
June 3 Wednesday	9:00-12:00	Course 2: Application of AI in Creative Design
	12:00-14:00	Lunch
	14:00-17:00	Industrial Visit 3: Ningbo Fotile Kitchen Ware Co., Ltd. -A leading global provider of high-end integrated kitchen solutions

Date	Time	Activity
June 4 Thursday	9:00-12:00	Cultural Visit 1: Ningbo City Exhibition Hall -An Exhibition Hall showcasing the development history, construction achievements, and future vision of Ningbo city.
	12:00-14:00	Lunch
	14:00-17:00	Cultural Visit 2: Tianyi Pavilion Museum - Asia's oldest private library, to experience Ningbo's profound cultural heritage.
June 5 Friday	9:00-12:00	Industrial Visit 4: Zeekr Automobile Meishan Factory - A globally leading smart factory for new energy vehicles
	12:00-14:00	Lunch
	14:00-17:00	Course 3: Intelligent Management and Application of AI in Industrial Parks
June 6 Saturday	9:00-12:00	Hands-on Experience Course 1 on AI + Industrial Vision Applications
	12:00-14:00	Lunch
	14:00-17:00	Hands-on Experience Course 2 on AI + Industrial Vision Applications
June 7 Sunday	/	Rest Day
June 8 Monday	/	Rest Day

Date	Time	Activity
June 9 Tuesday	9:00-12:00	Course 4: Application of AI in Digital Media
	12:00-14:00	Lunch
	14:00-17:00	Visit to the Achievements of New Rural Construction -Experience the achievements of building common prosperity
June 10 Wednesday	9:00-12:00	Course 5: Application of AI in Intelligent Manufacturing
	12:00-14:00	Lunch
June 10 Wednesday	14:00-17:00	Industrial Visit 5: Ningbo Institute of Industrial Internet -An innovation institute focusing on the underlying technologies of the Industrial Internet and the commercialization of cutting-edge achievements
June 11 Thursday	9:00-12:00	Lecture: Youth Innovation and Entrepreneurship in the Context of AI Transformation
	12:00-14:00	Lunch
	14:00-17:00	Industrial Visit 6: Ningbo Deye Technology Co., Ltd. -A global new energy technology enterprise integrating R&D, design, production, sales, and service.
June 12 Friday	10:00-11:00	Closing Ceremony -Share learning insights and gains; Award graduation certificates
	11:00-13:00	Lunch
	Afternoon	Departure

02 CAMP RULES

- Attend all sessions and activities on time.
- Pay full attention during all sessions and activities.
- Do not leave the camp area without informing your team leader.
- No smoking or drinking alcohol during the camp.
- Dress neatly and properly..
- Take care of your personal belongings.
- Inform the supervisor and your team leader if you feel unwell.
- Your image may be used for camp-related purposes.

03 CONTACTS

Contact: Mr.YI Xinyu (Eason) Tel: 15858489954

Volunteer Contact Information

Name	Phone Number	Name	Phone Number
吕锦华	18010855538	徐博文	13157221186
范储涵	17826989588	武玉清	17201667916
陈康俊	13588929001	张小龙	17721769334

You can call the volunteers' phone numbers listed above, or add them on WeChat. They can help you with daily life stuff.

04 NBPV MAP



西校区

- 001 C4 F座Building F
- 002 C6 宿舍楼Dormitories
- 003 D7 宿舍楼Dormitories
- 004 E7 宿舍楼Dormitories
- 005 F8 C座Building C
- 006 H7 B座Building B
- 007 J7 A座Building A
- 008 J5 E座Building E
- 009 J6 D座Building D
- 010 L3 G座Building G
- 011 H3 灵峰厅Lingfeng Hall
- 012 H3 操场Sports Field

东校区

- 013 G12 学术交流中心Academic Exchange Center
- 014 H13 宁聚一堂时光初遇Cafeteria
- 015 G13 珍馐楼Cafeteria
- 016 K13 校园警卫室Campus Security Office
- 宿舍区**
- 017 L13 5号宿舍楼Dormitory Building 5
- 018 L13 4号宿舍楼Dormitory Building 4
- 019 M13 3号宿舍楼Dormitory Building 3
- 020 N13 2号宿舍楼Dormitory Building 2
- 021 O13 1号宿舍楼(教师公寓) Dormitory Building 1 (Faculty Housing)
- 022 H14 12号宿舍楼Dormitory Building 12
- 023 I14 11号宿舍楼Dormitory Building 11
- 024 K14 10号宿舍楼Dormitory Building 10

- 025 L14 9号宿舍楼Dormitory Building 9
- 026 M14 8号宿舍楼Dormitory Building 8
- 027 N14 7号宿舍楼Dormitory Building 7
- 028 O14 6号宿舍楼Dormitory Building 6
- 029 E15 王明康楼M. H. Wong Building
- 030 F15 20号宿舍楼Dormitory Building 20
- 031 G15 19号宿舍楼Dormitory Building 19
- 032 H15 18号宿舍楼Dormitory Building 18
- 033 I15 17号宿舍楼Dormitory Building 17
- 034 K15 16号宿舍楼Dormitory Building 16
- 035 L15 15号宿舍楼Dormitory Building 15
- 036 M15 14号宿舍楼Dormitory Building 14
- 037 N15 13号宿舍楼Dormitory Building 13
- 038 O15 25号宿舍楼Dormitory Building 25

体育活动时间

- 039 G17 风雨篮球场Indoor Basketball Courts
- 040 K17 露天网球场Outdoor Tennis Courts
- 041 L17 露天篮球场Outdoor Basketball Courts
- 042 O17 顾国华体育中心K.H. Koo Sports Center
- 043 G18 田径场Athletic Field
- 044 E21 笼式足球场Enclosed Soccer Field
- 教学区**
- 045 E23 繡山楼Xiushan Building
- 046 G23 海天大楼 Haitian Building
- 047 H23 有为楼 Youwei Building
- 048 J23 敬业楼 Jingye Building
- 049 K23 精技楼 Jingji Building
- 050 L23 明德楼 Mingde Building

- 051 O23 启新楼 Qixin Building
- 052 O24 九峰楼 Jiufeng Hall
- 053 J26 乐雪芳楼 Le Xuefang Building
- 054 K18 树人中心 Shuren Center
- 055 M18 李惠利大剧院 Li Huiji Auditorium
- 056 E19 古民居(非遗馆) Historical Building (Intangible Heritage Hall)
- 057 H20 古民居(丝路艺术研究中心) Historical Building (Silk Road Art Research Center)
- 058 H21 “一带一路”产教协同联盟大厦 Alliance Mansion
- H20 四明厅(1F) Siming Hall (1F)
- H20 天童厅(2F) Tiantong Hall (2F)
- H20 福泉厅(2F) Fuquan Hall (2F)
- 059 H27 素质拓展基地 Outdoor Training Base
- 060 N28 北仑图书馆 Beilun Library
- 061 O20 校警驿站 Campus Police Station

- 停车位 Parking Lot
- 食堂 Canteen
- 宁职十八景 18 Scenic Spots of NBPV
- 图书馆 Library
- 警卫室 Security

05 ON-SITE VISITS

Ningbo City Exhibition Hall

Ningbo City Exhibition Hall is an iconic cultural landmark located in the core area of Eastern New Town, adjacent to the municipal administrative service center and cultural square. Covering a total construction area of 25,000 square meters, the building was co-designed by international architectural firms Playze and Schmidhuber. Its flowing ribbon-like shape and celadon-glazed terracotta facade pay tribute to Ningbo's ancient celadon heritage and its identity as the eastern starting port of the Maritime Silk Road.

Centered on the theme "World Port City, Happy Homeland", the hall unfolds the city's development trajectory "from river to sea" across four above-ground floors. It houses comprehensive and thematic exhibition areas showcasing Ningbo's thousand-year history, modern construction achievements, and long-term future plans. Cutting-edge interactive facilities including digital sand tables and future cinemas offer immersive visiting experiences, allowing visitors to fully understand the city's past, present and vision. As an open "urban living room", the hall is open to the public for free all year round, integrating functions of urban planning display, academic exchange, public education and government-citizen interaction.



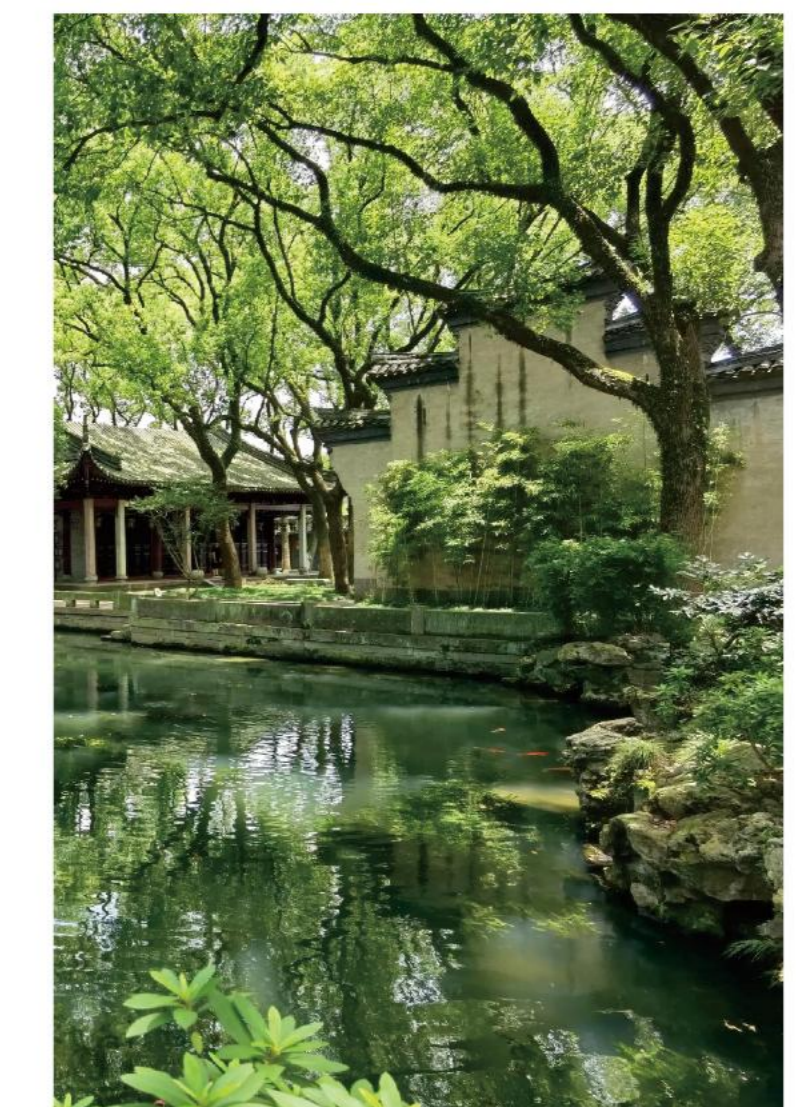
Tianyi Pavilion

Tianyi Pavilion is a Chinese National Heritage Site that includes not only a pavilion, but also a library, museum, garden, and several decorative halls celebrating China's culture. It is the oldest library in Asia, and one of the three largest family libraries in the world. This pavilion has become an icon symbol in Ningbo and a popular tourist destination. It has a long and glorious history and a serene, peaceful position on the shores of Moon Lake.

Part of the Heritage Site complex, Tianyi Pavilion Library was founded in 1561 by Fan Qin. It is the oldest library in Asia and among the oldest in the world. Known as "the Book City of South China" it houses tens of thousands of rare copies of Chinese books, including woodcuts editions and manuscripts. In the 4th year of Kangxi's reign in the Qing Dynasty (the year 1665), Fan Wenguang, the great-grandson of Fan Qin, built a pavilion by the pond, planted trees around it and constructed artificial hills with rocks arranged to resemble lifelike and exquisite animals such as "nine lions and one elephant", which is characteristic of gardening in the Yangtze River Delta.

After visiting the library, Emperor Qianlong ordered detailed blueprints of the building and bookcases to be drawn up, which were then used as the basis for constructing the royal libraries such as Wenyuan Chamber and Wenjin Chamber. As a result, both the books and architecture of Tianyi Pavilion Library had a far-reaching influence.

In 1994, the Ningbo Museum and Cultural Protection Bureau merged to establish Tianyi Pavilion Museum. Now the museum has been expanded into three areas: book culture, exhibitions, and gardening leisure.



Ningbo PIA Automation Holding Corp.

Ningbo PIA Automation Holding Corp. is a globally leading supplier of intelligent manufacturing equipment, headquartered in Ningbo, China, with R&D centers and service networks covering Europe, North America and Southeast Asia. Specializing in high-end automation solutions for new energy vehicles, consumer electronics and medical device industries, the company integrates core technologies of intelligent assembly, visual inspection and industrial internet, helping manufacturing clients cut production costs by 30% on average while improving product qualification rate to over 99.7%. Its independently developed flexible production lines have been adopted by more than 40 Fortune 500 enterprises worldwide, and it owns over 600 authorized patents related to intelligent manufacturing, making it a key player driving the transformation and upgrading of global discrete manufacturing.

Haitian Group

Founded in 1966, Haitian Group is a world-leading manufacturer of heavy-duty machinery and intelligent equipment. Headquartered in Ningbo, the group has evolved into a diversified industrial cluster encompassing six core sectors: injection molding machines, CNC machinery, die-casting machinery, laser machinery, drive systems, and smart solutions. With a global workforce of over 14,500 employees and a footprint spanning 130 countries, Haitian delivers over 60,000 machines annually, maintaining its position as the global market leader in injection molding equipment by sales volume for decades.

Driven by the philosophy of "Technology to the Point," the company focuses on delivering high-efficiency, energy-saving, and cost-effective solutions. By integrating self-developed core components with advanced automation and digital intelligence, Haitian empowers global manufacturing with robust supply chain stability and sustainable production capabilities.



Ningbo Fotile Kitchen Ware Co., Ltd

Founded in 1996 and headquartered in Ningbo, Zhejiang, Ningbo Fotile Kitchen Ware Co., Ltd. is a globally leading provider of high-end integrated kitchen solutions. Specializing in the R&D, manufacturing and sales of kitchen appliances including range hoods, gas stoves, embedded dishwashers, water purifiers and integrated cooking centers, the company has built 6 global R&D centers and more than 10,000 patented technologies as of 2026, leading the industry in innovation investment and patent conversion rate for years.

Adhering to the philosophy of "making family cooking happier", Fotile integrates intelligent interconnection, energy-saving and low-emission, and user-centric design into its product system. Its high-end kitchen appliances have a market share of over 30% in China's high-end market, and are exported to more than 30 countries and regions, serving over 30 million families worldwide. It also participates in formulating more than 60 national and international industry standards, becoming a benchmark for Chinese high-end home appliance brands going global.



Zeekr Smart Factory (Meishan)

The Zeekr Smart Factory (Meishan) covers an area of 1,816 mu, with a total floor area of 710,000 square meters. Positioned as a global flagship facility, a benchmark plant for luxury vehicle production, and a provincial-level model site for industrial tourism, the Meishan factory employs 3D digital design and construction across its four major workshops. Through the implementation of smart initiatives in five key application areas—intelligent platforms, equipment, production, logistics, and quality management—the plant achieves transparent order-to-delivery (OTD) management, enabling agile responses to customized customer demands and shortened product delivery cycles.

The die-casting workshop at Meishan spans 23,800 square meters and is planned to house three sets of die-casting lines with a clamping force of over 7,200 tons each, 12 high-speed five-axis dual-spindle CNC machines, and supporting assembly lines. With an annual production capacity of 120,000 units per island and 100% automation rate, it leads the industry in efficiency. The workshop incorporates multiple cutting-edge technological applications, such as the industry's first use of an integrated water-based micro-spray system for ultra-large structural die-casting, the largest mass-production mold in the industry, and the most advanced intelligent mold temperature control system.

The welding workshop operates with 657 robots, achieving 100% automated welding for all vehicle weld points. It supports the flexible production of six different vehicle models on a single assembly line and operates as a 'lights-out' factory. In the final assembly workshop, the facility features the industry's largest automated installation line for windshield glass (a single piece measuring 1.69 square meters) and an automated tire mounting line.



Ningbo Institute of Industrial Internet

Established in 2018, the Ningbo Institute of Industrial Internet (NIII) is a high-level research and innovation platform dedicated to the digital transformation of manufacturing. It focuses on the research, development, and industrialization of core technologies, including Industrial Operating Systems, industrial security, smart sensors, and edge computing. By bridging the gap between academic research and industrial application, the institute provides integrated digital solutions to help enterprises build smart factories and optimize supply chain efficiency.

As a key driver of the "Industrial Internet" ecosystem in Ningbo, NIII has successfully incubated several tech startups and developed the supOS platform, China's first international-level industrial operating system. It serves as a strategic hub for talent cultivation and collaborative innovation, aiming to empower the global manufacturing sector with a more secure, open, and intelligent digital infrastructure.

Ningbo Deye Technology Co., Ltd.

Founded in 2000 and headquartered in Beilun District, Ningbo, Ningbo Deye Technology Co., Ltd. is a leading global technology manufacturing enterprise integrating R&D, design, production, sales and services. The company operates four core industrial chains: solar inverter and energy storage systems, frequency conversion control systems, environmental electrical appliances, and finned heat exchangers. As of 2026, it holds more than 5,000 authorized patents, with a production base covering over 250,000 square meters.

Deye's product portfolio covers a full range of inverter solutions from 300W micro inverters to 136kW string inverters, alongside high-efficiency photovoltaic air conditioners, dehumidifiers, and heat exchanger products supporting top global home appliance brands. Adhering to the philosophy of "Valuing virtues to promote the growth of the business and the green industry for a beautiful future", its products are exported to more than 100 countries and regions, providing reliable, low-carbon energy and home appliance solutions for residential, commercial and industrial clients worldwide. It is also recognized as the largest professional finned heat exchanger manufacturer in China and a core player driving global renewable energy application.

06 NINGBO PROFILE

Ningbo, also known as Yong, is located halfway down the coastline of the Chinese mainland, south of the Yangtze River Delta. It is bordered by the natural bulwark of the Zhoushan Archipelago to the east, the city of Shaoxing to the west, the city of Shanghai to the north across the Hangzhou Bay, and the city of Taizhou and Sanmen Bay to the south.

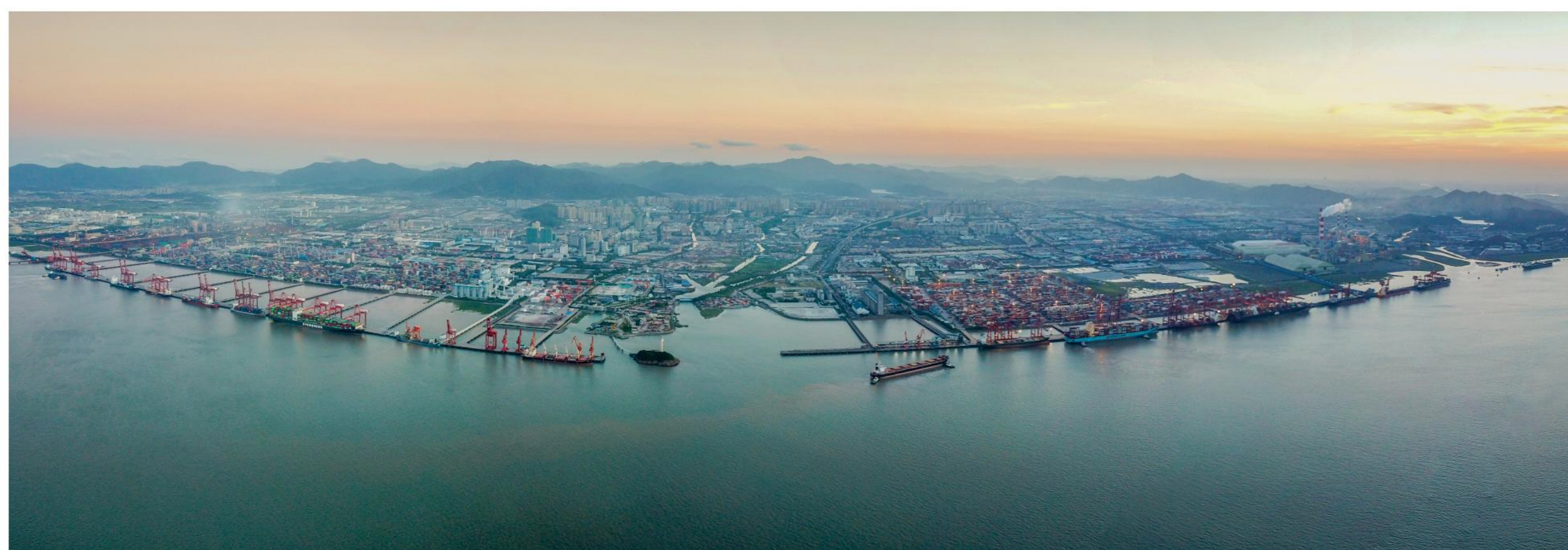
The city's history dates back to the Hemudu Culture that originated 7,000 years ago. In the Xia and Shang Dynasties about 4,000 years ago, Ningbo was known as Yin. Later, in the Spring and Autumn Period (770-476 BC), it became part of the State of Yue. In the Qin Dynasty (221-206 BC), it encompassed Yin, Mao and Gouzhang, three areas under the Kuaiji Prefecture. In the Tang Dynasty (618-907 AD), it was named Mingzhou. In 821 AD, the local authority moved towards the junction of three local rivers and built city walls, marking the establishment of today's city. In 1381 AD, the city was officially named Ningbo, meaning "Calm Waves".

Ningbo has six districts: Haishu, Jiangbei, Zhenhai, Beilun, Yinzhou and Fenghua; two county-level cities: Yuyao and Cixi; and two counties: Ninghai and Xiangshan. The city covers an area of 9,816 km² on land (including 3,730 km² of urban area) and 8,355.8 km² at sea. As of the end of 2023, the population was 9.697 million.

Located in the subtropical monsoon region, Ningbo has a mild, humid climate. The weather varies across the city due to differences in landscape and environment. The average temperature is around 16.4°C, with highs of 28°C in July and lows of 4.7°C in January.

In 2024 Ningbo's GDP stood at 1.8147 trillion yuan. Its economy in 2024 grew by 8.2% year-on-year, rising to the 11th-largest in China. Per capita GDP of 2024 was 186,379 yuan (or \$26,171, based on average yearly currency exchange rates). Fiscal revenue in 2024 was 335.93 billion yuan, of which general budgetary fiscal revenue accounted for 179.05 billion yuan.

The city flower of Ningbo is the camellia, and the city tree is the camphor tree.



07 About BRICS-TCA

The BRICS TVET Cooperation Alliance (BRICS-TCA) was formally established in Beijing on April 27, 2022, with the support and guidance of the BRICS countries' vocational education policymakers. The current Secretariat is hosted by the China Education Association for International Exchange (CEAIE).

Dr. Liu Limin, President of CEAIE, served as the founding Chairman. Mr. Samuel Zamokuhle Zungu, Deputy Director-General: TVET Branch, Department of Higher Education and Training (DHET) of South Africa, Mr. Sergey Kozhevnikov, Rector of the Federal Institute for the Development of Vocational Education and Training (FIDVET) of Russia, and Mr. José Arnóbio de Araújo, Vice President of the Federal Network of Vocational, Scientific, and Technological Education Institutions (CONIF) of Brazil, served as the rotating Chairman in 2023, 2024 and 2025 respectively.

In 2025, following the principles of equality, mutual benefits, and win-win cooperation, with the guidance of Mr. José Arnóbio de Araújo and support of the CONIF team, the BRICS-TCA actively contributed to enhancing the quality and inclusiveness of TVET provision across BRICS countries, thereby supporting the development of a skilled workforce prepared for economic transformation and sustainable growth.

08 About CEAIE

Founded in July 1981, China Education Association for International Exchange (CEAIE) is a national non-profit organization conducting international educational exchanges and cooperation. CEAIE has engaged in TVET for more than 20 years. Aligned with national strategies, China's education opening-up policies, international industrial cooperation, and the modernization of vocational education, CEAIE has actively built national platforms for international cooperation in vocational education. These include the Future Africa—China-Africa TVET Cooperation Program, the Luban Workshop Construction Alliance, the BRICS TVET Cooperation Alliance, and the China-ASEAN TVET Consortium.

CEAIE has also implemented a series of high-level capacity-building and enhancement projects, such as the Schneider Electric Green and Low-Carbon Industry-Education Integration Project, the TÜV Rheinland Digital Innovation Empowerment Program, and China Overseas Training Project for TVET Innovation Teams, etc. Through these efforts, CEAIE has played a key role in building platforms, promoting exchanges, enhancing capabilities, standardizing the industry. CEAIE hosts the Secretariat of World TVET League.

09 About NBPU

Ningbo Polytechnic University (NBPU), founded in 1959, has come a long way to become a publicly-funded tertiary institution in 1999 to further develop its strengths. With 43 programs spanning 7 sectors (including Tourism Management, Intelligent Manufacturing, Green Petrochemicals, AI, and Supply Chain Management etc.), NBPU hosts around 12,000 full-time students.

NBPU is well-known for its international cooperation & industry and education collaboration. Committed to working in close collaboration with partners in China and at abroad, NBPU is in pursuit of its mission to strive for TVET excellence and make dedicated efforts towards our goals of cultivating skilled workers, engaging in applied research, supporting the social economy & local community and going global.

NBPU promotes the internalization and actively adopts different ways to broaden the international cooperation. It has established cooperation relationship with educational institutes of the United States, Canada, Australia the United Kingdom, Germany, Spain, Japan, South Korea etc. NBPU also actively promotes the exchange visits between Chinese and foreign students to enhance the communication between young people and it has received several hundreds of overseas students from different countries and regions to learn Chinese language and vocational & technical skills. NBPU is among the inaugural members of the World TVET League, and has won two world federation of colleges and polytechnics (WFCP) Awards of Excellence.

