

Promoting Industry-Education Integration: China's Promising TVET Practice

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The Briefing of Industry and TVET Integration in China

In China, the integration of industry and TVET has been a strategic focus to bridge the skills gap and enhance workforce readiness. This integration involves several key initiatives and practices:

- Government Policies and Incentives
- Industry-Education Alliances
- Curriculum Co-Development
- Teacher Training and Development
- Skills Competition and Intership
- Career Pathways and Employment Linkages



Strengthening Policy Framework and Regulations

National Vocational Education Reform Implementation Plan

This comprehensive plan, released in 2019, outlines key reforms aimed at enhancing TVET quality and relevance, emphasizing industry partnerships and work-based learning.

Revised Vocational Education Law

Amendments passed in 2022 focus on elevating TVET status, promoting equal opportunities with academic education, and strengthening industry engagement in curriculum development and talent cultivation.

Local implementation plans

Provinces and cities across China have developed specific action plans aligned with the national strategy, tailoring initiatives to local industries and economic priorities.

Establishing Industry Education Alliances and Platforms

101 Industrial Education Alliance

Bringing together TVET Institutions, enterprises, and research institutions to collaborate on curriculum development, talent cultivation, and technology transfer.

102 Industry education integration bases

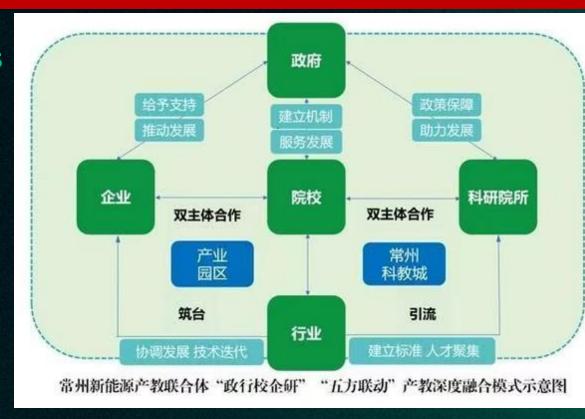
Establishing professional training centers and demonstration bases within the enterprise to provide students with real work experience.



Establishing Industry Education Alliances and Platforms

Industry-education Consortium in Urban Clusters

- ✓ It aims to improve TVET ability to serve regional economic development.
- ✓ It is based on the industrial park to create a city-level industry-education consortium with the functions of skills training, innovation and entrepreneurship, and promoting the high-quality development of the industrial economy.
- ✓ It involves the multi-participation of governments, industry associations, enterprises, research institutions, ect.



Establishing Industry Education Alliances and Platforms

 Communities of industry-education Integration across Industries

It gives priority to key industries and strategic areas, supports leading enterprises, universities and TVET colleges to take the lead,

- ✓ Forming a community of integration of industry and education with universities,TVET colleges, research institutions, leading enterprises, etc,
- ✓ Gathering both production and education resources from Industries, universities and TVET colleges,
- Carrying out commissioned training, customized training and apprenticeship training,
- ✓ Carrying out pre-job training, on-the-job training and continuing education for enterprises employees .



Deepening Curriculum Reform and Teaching Methods

Industry-Led Curriculum Development

Enterprises are actively involved in designing and reviewing TVET curricula to ensure they reflect current industry standards and technological advancements.

"1+X" Certificate System

This system combines academic diplomas with industry-recognized skill certificates, enhancing the employability of graduates and facilitating their integration into the workforce.

Modern Apprenticeship System

Expanding modern apprenticeship programs that combine classroom instruction with handson training in industry settings.



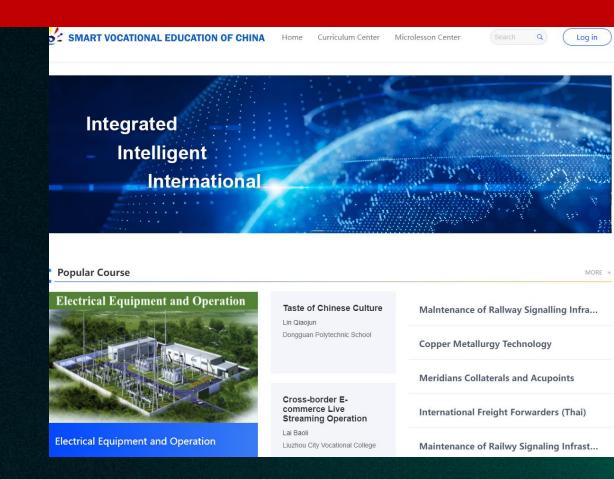
Deepening Curriculum Reform and Teaching Methods

Promoting digitalization and online learning

Integrating digital technology into TVET delivery, including online courses, simulation and virtual reality training, provides learners with more flexible and convenient learning methods.

Shared TVET resources

Establishing platforms, such as Smart Education of China, for TVET institutions and industries to share training resources, equipment, and professional knowledge, etc.



Strengthening Teacher Training and Professional Development

"Dual-Qualified" Teacher Training Programs

This Initiative is to train TVET teachers who possess both academic qualifications and practical industry experience.

Industry experts serving as teachers

Encouraging companies to dispatch skilled professionals to TVET institutions to provide professional courses and share their practical experience.

Teacher Exchange Program

Facilitating exchange programs between TVET teachers and industry professionals to enhance knowledge transfer and collaboration.



Promoting TVET Skills Competitions and Apprenticeship Recognition

TVET Skills Competition

Organizing skills competitions, showcase talents, promote excellence in TVET Institutions, and cultivate handicraft culture.

Apprenticeship Qualification Certification

Developing a powerful apprenticeship qualification certification system and recognize skills acquired through work learning.



Work based learning and internships

Apprenticeship Program

Collaborate with enterprises to provide apprenticeship programs that combine classroom learning with on-the-job training for students.

Internship location

Establish formal internship programs with industry partners to provide students with practical work experience and opportunities to interact with real-world work environments.

Collaborative Education

Implement collaborative projects to allow students to alternate between classroom learning and paid work internships in the industry.



Focusing on Emerging and Regional Development



Targeting Strategic Industries

Prioritizing TVET programs in emerging industries such as artificial intelligence, advanced manufacturing, and clean and new energy,etc.

Supporting Regional Economic Development

Aligning TVET with local economic priorities and fostering talent development for specific industries and regions.

Promoting Innovation and Entrepreneurship



Establish incubators to provide support for students' entrepreneurship and cultivate their entrepreneurial spirit.

Innovation Competition

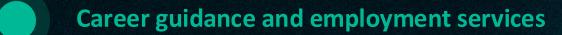
Organize innovation competitions and encourage students to develop innovative solutions to industry problems.

Technology transfer and commercialization

Collaborate with enterprises to carry out technology transfer and commercialization initiatives, bridging the gap between research and application.

Offering Employment Services





Provide students with career counseling, job search assistance, and social opportunities to enhance their employability.

Industry Recruitment Activities

Organize job fairs and recruitment events with industry partners to connect students with potential employers.

Alumni Network

Establish a strong alumni network to provide ongoing support and guidance for graduates.

Specific Practice Examples



Specialized vocational colleges focused on specific industries

Meeting the needs of specific industries such as automotive, manufacturing, hospitality, and IT.

Enterprise customized education and training

Tailored training plans for individual companies based on their recruitment requirements.

Incorporate skills competitions into the curriculum

Prepare students for skills competitions and evaluate their skills and knowledge through the competitions.

Challenges and Future Directions

Challenges

Chinese TVET Institutions still face challenges in promoting the integration of industry and education, such as ensuring consistent quality, promoting cooperation with more industries, and adapting to technological changes.

Futurt directions

Strengthening the quality assurance system, applying digital technology, developing flexible learning paths, promotiing international cooperation, and improving TVET practices, etc.



THANKS