The Successful Experiences of Higher Vocational Education in Serving the Local Economic and Social Development

Take Liuzhou Vocational & Technical College as an Example

Abstract

With the dramatic development of its economy and society, China became one of the world’s largest economies. However, China takes longer to develop and train skilled technicians than it does to build factories. As the industrial base expanded, the need for vocational education to keep up with the escalating demand for technical expertise and skills became increasingly important in China. Liuzhou City, as one of western China’s most important industrial cities, is an example of this. In 2013, the number of patents is 105, which is the top of all higher vocational colleges in Guangxi. LVTC successfully meets the critical demands of both modernization and growth. The poster deals with the following important components of success: (1) goals consistent with the local labor market demand; (2) university-enterprise cooperation education projects; (3) support of social services; (4) preparation of students for the global economy; and (6) leadership in regional vocational education reform and development.

1. Carry out University-Enterprise Cooperation Education Projects

- Advanced Quality Standards
- Advanced Technical Standards
- Advanced Management Standards
- The International Talent Training Standards

Train Inter-Disciplinary "Professional quality + Technical skills + Management innovation ability"

Supporting the industrial transformation and upgrading of Liuzhou

1.1. DMG MS NC Professional Field Cooperation Project
- Sino-German Automotive Vocational Education (SGAVE) Project
- Sino-German Automotive Vocational Education Project Highlights of Cooperation:
  - Cooperated with the G22 whose members include five major car manufacturers in Germany, Audi, BMW, Mercedes and Volkswagen.
  - Introduced the automotive mechanical and electrical talent training standards of German.

1.2. University-Enterprise Cooperation Projects Example #2: Auto Parts Precision Manufacturing Teaching Factory
- Cooperative Enterprise: Liuzhou ZF Machinery Co., LTD
- Highlight of Cooperation: Introduced the German parts manufacturing quality standards. Lean Manufacturing and Informatization.

1.3. Sino-German Automotive Vocational Education (SGAVE) Project
- Cooperative Enterprise: The Siemens (Germany)
- Highlight of Cooperation: College and enterprise cooperated to build production line by independent research and develop. The fusion of automation technology and machining technology.

2. Build a Platform to Promote the Ability and Level of Social Services

2.1. University-Enterprise Cooperation Projects Example #2: DMG MS NC Professional Field Cooperation Project
- Cooperative Enterprise: The Siemens (Germany)
- Highlight of Cooperation: College and enterprise cooperated to build production line by independent research and develop. The fusion of automation technology and machining technology.

2.2. Technical Services
- Provided production services to more than 40 enterprises.
- Annual total value of production services output is more than 4 million dollars.

2.3. Consulting Services
- Undertained 32 significant research subjects which are closely related to Liuzhou economic and social development.

2.4. Consulting Services
- Undertained 3 significant research subjects which are closely related to Liuzhou economic and social development.

3. Introduced Advanced International Standards and Trained International Technical Talents

3.1. Carrying out university-enterprise cooperation education projects
- Promote the ability and level of social services
- Train the international technical talents
- Lead the regional vocational education reform and development

4. Lead the Regional Vocational Education Reform and Development

LVTC uses:
- The head unit of Liuzhou Vocational Colleges Principal Collaboration Association
- The head unit of Liuzhou Engineering Machinery Vocational Education Group
- The head unit of Liuzhou Logistics Vocational Education Group
- The head unit of Liuzhou Automobile Industry Vocational Education Group

LVTC carried out:
- Paring-Accistance: More than 30 middle vocational schools or higher vocational colleges.
- External Exchanges: More than 130 universities, colleges or schools in or out of Guangxi. About 2000 person-time.

Conclusion

Through
- Carry out university-enterprise cooperation education projects
- Promote the ability and level of social services
- Train the international technical talents
- Lead the regional vocational education reform and development

The higher vocational colleges in Liuzhou effectively served the development of local economy and society.

This is a noteworthy example for
- How to well develop vocational education in an industrial city.
- How can a higher vocational college successfully serve the local economy and society.

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