

# A Study on the Coordinated Development of Higher Education and Local Economy -- A Case Study of Yuxi Normal University

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**Abstract.** Serving local economy is the focus of yuxi municipal government and colleges and universities. The innovation of science and education implemented by yuxi normal university is beneficial to the exploration and practice of serving the local economic development of yuxi from the top-level design, organization and implementation. The school from the reasonable plan, highlights the local development demand and the university own characteristic; Build a service system to create a harmonious environment; Pay attention to the effect of service to achieve a win-win situation between universities and local economic development in the three levels of regulation, with action to compose the organic integration of science and education innovation and local economic development.

**Keywords:** Science and education innovates local economy to explore practice.

## 1. Introduction

At the beginning of the 20th century, the university of Wisconsin put forward the new idea that university education should serve regional economic and social development, and established the development mode of higher education that integrates talent cultivation, science development and social service. Experience has proved that it is an effective attempt for colleges and universities to transfer and spill their intangible assets, such as knowledge and scientific research, into various fields of social and economic construction. It is also the significance for colleges and universities to serve local functions of entrepreneurship and innovation. Drawing on its experience, the United States adheres to exploring how to give full play to the advantages of talent innovation, scientific and educational innovation in institutions of higher education and effectively spread the role of knowledge innovation to various fields of social economy. The Chinese government has also made it clear that education should serve the socialist modernization drive and the people, be integrated with productive labor and social practice, and train socialist builders and successors who are well developed morally, intellectually, physically and aesthetically. (Jiang zemin. We will build a moderately prosperous society in all respects. Opening up new prospects for the cause of socialism with Chinese characteristics -- report at the 16th national congress of the communist party of China [R]. 2002.11.08).

Yuxi teacher's college, founded in 1978 is a yunnan provincial full-time undergraduate college, is based on teacher education, literature, law, education, management, science, engineering, economics, agriculture, arts and so on multidisciplinary joint development of teaching applied normal university, and yuxi city only a public colleges and universities. Yuxi normal university was promoted in 2000 and passed the undergraduate teaching level assessment of the ministry of education in 2007. Won the "national civilized unit", "national spiritual civilization construction work advanced unit", "the national school art education advanced unit", "national college aesthetic education work advanced unit", "national economical public institutions demonstration unit", "national advanced school" energy saving management in colleges, the central 2015 years "a program under which officials in lens" good team, "civilization school in yunnan province", "yunnan province graduate employment work advanced unit" and other honorary titles. Adhering to the spirit of the school motto "to be true, to be good, to be beautiful and to be useful", we should strengthen the ability to run schools, improve the quality of education, and serve the local economy. Yuxi normal university has been working tirelessly in the field of science and education innovation to serve local economy. (www.yxnu.net).

## **2. Rational Planning Highlights the Local Development Needs and the Characteristics of Colleges and Universities**

### **2.1 "Three Library" Positioning from 2002 to 2005**

the Massachusetts institute of technology (MIT) organized experts in engineering, management and social sciences from five countries, including the United States, the United Kingdom and Finland, to study how universities serve local economic and social development. The most outstanding results of this study are as follows: the role of universities in regional innovation process depends on the industrial structure of the local economy. The formation of new industries, industrial transplantation, industrial diversification and industrial upgrading all require the technical support of different models and the contributions of different types of universities. The university must have a deep understanding of the way of local economic development and its innovation process, combine the university's contribution with the actual needs of local development, and promote the university to serve the transformation of local economic development.

According to the survey of 68 MIT scholars who are engaged in mechanical engineering, electronic engineering and computer science research with individual patents, consulting, scientific publications, graduates and cooperative research are the most important knowledge transfer channels. The relative importance of various knowledge transfer channels is shown. [3]

To learn from experience and practice, yuxi teachers college for local services in certain direction, which emphasizes the publication of original papers, industrialization of scientific and technological achievements, such as knowledge transfer mode, and the combination of school characteristics and experience, determine the yuxi city schools during the period of "11th five-year plan" key to be a good "three library" : one is talent, for yuxi city transportation more outstanding graduates and cadres. The university now has 13,167 full-time students and 784 faculty and staff, including 643 full-time teachers, 66 with senior titles, 202 with deputy senior titles, 88 with doctor's degree, 404 with master's degree, 2 with "yunling famous teachers" and 1 with "yunling cultural masters". Up to now, the university has cultivated more than 36,000 professional talents, and the employment rate of undergraduates has been kept above 95%. For 11 consecutive years, the university has been awarded the first prize of yunnan province's college graduates' employment objective responsibility assessment, and a total of 155 graduates have found jobs in Thailand. Overseas employment has become a new highlight of the university. Second, the science and technology library provides scientific and technological support for yuxi city to promote the "three modernizations", especially to implement the new industrialization driving strategy. The university has a modern library with a collection of more than 890,000 volumes, more than 14,000 kinds of electronic journals, 18 databases in Chinese and foreign languages, and 10 databases of various resources. The university has provincial innovation and entrepreneurship education reform pilot colleges; Resource utilization and environmental protection experimental practice and training base and technical innovation service center ethnic art and design experimental practice and training base and technical innovation service center were approved by provincial experimental practice and training base and technical innovation service center; The communication engineering major was approved by the provincial level professional service industry capacity building project; The chemical experiment teaching center has been approved by the provincial innovation and entrepreneurship education practice base construction project. Third, think tank organizes experts to offer Suggestions and advice for yuxi's economic and social development. In the 2017 annual social science project of yuxi municipal council of social science, 26 proposed projects were selected and evaluated by experts, including 8 key projects and 4 projects of yuxi normal university, accounting for 50%. There are 18 annual projects and 12 projects approved by yuxi normal university, accounting for 66.7%.

### **2.2 School Own Characteristic Localization**

The university has 14 colleges and 54 undergraduate programs. "Fine arts" is a national characteristic major. In 2016, it was approved as a first-class discipline (category B plateau discipline) in yunnan universities. "Thai language, geographic science, biological science, art design" is the

characteristic construction major of colleges and universities in yunnan province, among which "Thai language" is the key construction major of "small language" in yunnan province. "Ancient Chinese literature", "inorganic chemistry", "meticulous brush painting", "out of print color wood carving", "basketball", "overview of Thailand", "overview of Thai literature", "Thai phonetics" and other courses were rated as yunnan provincial quality courses; Overview of tourist source countries was rated as the bilingual teaching demonstration course in yunnan province.

Kun school built in the Mekong sub-regional national folk art study experiment center, information and communication engineering experimental teaching center, the chemical experiment teaching center 3 yunnan provincial experimental teaching demonstration center, kun "Mekong subregion national folk art study experiment center" was awarded the anthropology of art society of China at the Chinese academy of art anthropology first "non-material cultural heritage inheritance and protect the workstation" title; It has four provincial key laboratories, namely, "yunnan provincial key laboratory of environmental chemistry", "yunnan provincial key laboratory of surveying and mapping and geospatial information technology", "yunnan provincial key laboratory of agricultural biological resources utilization and environmental protection", and "LUPA open source laboratory". Three key laboratories of yuxi city, including the key laboratory of plateau and lake ecological environment protection; There is a provincial talent cultivation mode innovation experimental area in yunnan: applied legal talent cultivation mode innovation experimental area; It has one university-level independent scientific research institution: the institute of ethnic folk culture in the Mekong subregion (including the institute of endangered languages, the institute of paleontology and the institute of ethnic culture and social development); The university has set up 4 scientific research institutions jointly with relevant colleges: yuxi economic and social development research center, yuxi plateau lake ecological environment research center, pollution control and ecological restoration research center, and central yunnan analysis and testing center.

### **3. Build a Service System and a Harmonious Environment**

#### **3.1 The International Environment.**

The school focuses on the development orientation proposed by the national "One Belt and One Road" and "bridgehead" strategic planning, actively integrates into and serves the national major strategy, and actively promotes international education. Successively with the auburn university, ball state university, university of Melbourne, Australia, Bulgaria, latrobe university first university, southwest university, Canada lake st. clair college, South Korea three university, university of Thailand, Chiang mai, Chiang rai royal university, korat royal university, overseas Chinese footprints, sichuan dunhill royal university, college of blessing, ha Li au institute, public schools in chaoyang, yangon, myanmar foreign studies university, national university of Laos schools have established a long-term and stable cooperation relationship, actively carry out various forms of joint ventures, the exchange of academic culture communication between teachers and students. The university has 28 overseas internship bases, 3 overseas Chinese language and culture centers, and has become the Chinese language education base of yunnan province and the HSK test center of hanban. The school has created an open international environment through various means, creating conditions for the innovative development of science and education and the transformation of local economy.

#### **3.2 The Internal Environment. Decompose the Nature of Service and Implement the Person Responsible for Science and Education Innovation.**

The United States is one of the earliest and most effective universities in serving regional social and economic construction. The reason why American colleges and universities can actively and actively serve the regional economy is that in addition to the national laws, policy guarantees and strong support from enterprises, an important factor is that colleges and universities directly reflect the social service function in the salary structure.

Set up a platform for communication and cooperation in science, education and innovation.

Cooperation is a successful experience for developing countries to combine education with economy. By effectively combining the unique resources and advantages of each partner, resource sharing and complementary advantages can be achieved to promote the development of regional economy. On March 9, 2017, yuxi cultural and creative college was founded in yuxi normal university. The school has also established a school-enterprise cooperation platform with a number of enterprises to promote the transformation of scientific and educational innovation ability into the driving force of local economic development in yuxi city. Innovate the system and mechanism, encourage students to innovate and start their own businesses, and serve the local economy of yuxi

Colleges and universities cannot provide talents and science and technology support for local economic and social development without supporting personnel training mechanism and science and technology policy environment. The university has 24 state-level and 36 provincial-level innovation and entrepreneurship training programs for college students. In recent years, he has won 3 national first prizes, 11 national second prizes, 8 provincial first prizes, 18 provincial second prizes and 37 provincial third prizes in the national college students mathematical modeling contest. In the national culture and arts festival, three works won the highest award of the nation, and 15 works were selected in the national art exhibition. In 2016, students participated in various competitions at all levels and won more than 180 awards, including one special prize in the 2016 national "entrepreneurship and sharing" speech contest for college students. The second China "Internet +" college students innovation and entrepreneurship competition national bronze award 1; · in 2016, won 3 national bronze awards in "chuang youth" national college students entrepreneurship competition; The 9th national college students innovation and entrepreneurship annual meeting, 1 outstanding entrepreneurship award; In 2016, I won an excellent award for outstanding campus cultural achievements of colleges and universities in China. · one first prize and two third prizes for outstanding campus culture in yunnan province; · the school youth league committee won the title of "May 4th" red flag youth league committee of yunnan province in 2016.

#### **4. Pay Attention to Service Result, Realize the Double Win of University and Local Economy Development**

Since the 12th five-year plan, the university has actively carried out scientific research, formed a benign interaction between teaching and scientific research, and continuously improved its ability to serve local economic and social development. The university undertakes 499 research projects at home and abroad, including 367 vertical subjects and 132 horizontal subjects. The total project fund is 29,897,140,000 yuan. Among the vertical projects, there are 16 projects funded by the national social science foundation, 11 projects funded by the national natural science foundation, and 4 projects funded by the national art foundation. There were 77 provincial and ministerial projects, 164 prefecture-level projects and 95 city-level projects. Teachers published 336 individual academic monographs or edited published textbooks, and published 2,287 papers, among which 389 papers were published in core journals, 238 were included in SCI, EI and ISTP, and 3 were included in the copy materials of newspapers and periodicals of renmin university of China. A total of 72 academic research results were awarded by the provincial and municipal departments concerned. Yuxi normal university journal and yuxi normal university journal are published in the university's public newspapers. It has established good cooperative relations with universities, research institutes, enterprises and institutions at home and abroad. In response to the provincial and municipal policies of building "science and education innovation city", yuxi normal university established yuxi Internet university jointly with huawei technologies co., ltd. and yuxi national high-tech development zone in 2017. In cooperation with yuxi tourism development and reform commission, yuxi college of culture and innovation was established.

The innovation of science and education is not separated by time and space. The process of knowledge transfer needs to be combined with the social environment and rooted in practice, so as to achieve mutual benefit and win-win results. Yuxi teachers college exploration and practice of science and education innovation to support local economic development is a successful case, it further closer

to the school teaching and research with the local social and economic practice of distance, won the trust and support of the society, promote the regional economic development in yuxi, yuxi teachers college for the future development and also to win the broader space.

## References

- [1]. Zhong qingliu. The breakthrough of economic transformation -- from government-led to government-guided market [J]. 2011. (29).
- [2]. Zhou zhitai. Research on collaborative innovation network from the perspective of economics [D]. Jilin university, 2013.
- [3]. Agarwal, A.& Henderson, R. Putting patents in context: Exploring knowledge transfer from MIT [J]. Management Science, 2002, 48(1): 44-60.