The Small Three-Dimensional Framework of Universities' Transformation Space under the "New Normal"

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Abstract. The transformation of universities has become a strong trend of the times, which flushes to us in the area of the higher education, and under the background of the "new normal" economy, the transformation of universities has become a kind of new normal of reform of the higher education. In terms of micro, if a university needs a real substantial transformation, its space of development and transformation should be formed with three principal axes: ideological transformation, institutional transformation and school-running mode transformation. Among them, ideological transformation is the premise, institutional transformation is the guarantee, and the school-running mode transformation is the core.

Introduction
Since 2014, the State Council issued the decision about speed up the development of modern vocational education, in which "to guide a group of ordinary undergraduate colleges transform to application technology colleges" is put forward, especially after the propel of the third national work conference on vocational education since the reform and opening, transformation of university has become a strong trend of the times which flushes to us in the area of the higher education, and under the "New Normal" economy background, universities' transformation has become a kind of reform "New Normal" of higher education. Many general local colleges and some independent colleges which have been "upgraded" since 1999 are carrying the transformation one after another.

Transformation is painful metamorphosis, active innovation rather than natural generation [1]. Therefore, transformation of universities is neither going with the flow simply nor naive fancy, and must be a complex and difficult process, which is full of challenges. The process needs careful consideration and rational action. A dimension determines a straight line; two dimensions determine a plane and three dimensions determine a space. From the micro perspective, if a university wants to achieve substantial transformation in the true sense, the transformation development space of which also need three main shafts: ideological transformation, institutional transformation and school-running model transformation, and they are respectively premise, guarantee and core. Because of the micro perspective of a specific university's transformation, we might as well call it the "small three-dimensional" architecture of transition space.

Ideological Transformation Is the Premise

Idea is the forerunner and power of action and the premise of any success. In terms of a university, ideological transformation should include the ideological transformation of leaders, ideological transformation of teachers and ideological transformation of students.

Given the key role of leadership, the ideological transformation in the article only refers to the transformation of leaders' ideas. Without real ideological transformation of leaders, the transformation of university will not make any sense.
Transforming the Old Traditional Ideologies. For thousands of years, some concepts such as "A good scholar will make an official", "He who rules lives by mental perplexity; he who is ruled lives by physical labor" are deeply rooted in the minds of people, and the pursuit of "High-end Grade" on the surface has been a kind of prevalent custom. Under the ideologies, many universities are not willing to engage in technical education, because the managers think application technical education is more or less inferior to those so-called academic universities on society status.

As leaders of universities in transition, they must have a clear understanding of the traditional ideologies. In recent times, the basic measures of whether one person is valuable are professional skills, the abilities of standing on one's feet and being a useful person to family and society. Accordingly, the basic measures of whether university education successful or not are the training of students about professional skills, making students standing on their feet depending on capacity and becoming a useful person to family and society. Education transformation, as for students, is to make them learn urgent application professional skills under the background of the new normal social economy, laying the foundation to stand on their own feet and become a useful person to family and society; as for universities, is to train urgent application talents for economy and society under the new normal, and thereby show their social value. There is not such a problem of which one is better, application technology university and academic university, which are only different types. Transformation into application technology university will not only not inferior to others, but can develop better because universities can find the most suitable development path, and they will get the affirmation, respect and attention from society. Leaders of universities in transition must transform and beyond the bondage of traditional ideas from deep inside and lead all teachers, students and staff to realize universities' transformation confidently.

Transforming the Ideas That Go Back, Go Fork in the Road and Take Another Path. At present, the main universities participating the transformation are general local colleges since be "upgraded" in 1999, which have long senior junior college educational history in general and "depress" for many years on "not high not low" level. After ten years of undergraduate education, the upgraded universities have a little bit of "High-end Grade" just now, however, suddenly transformation to application technology universities with the characteristic of vocational education, which as if not in the forward, but a little like going to another road, so inevitably unwilling, not smooth in the thoughts and emotionally reluctant.

Although it is human nature to have the feeling, which can be understood, it just a knot in mentality, thought and emotion rather than really truth. The development of higher education is closely related to economic and social development, and the mission of higher education or existence value is to serve economy and society. At present, China's economic and social development is into the new norm, New normal of economy and society needs large number of advanced technology talents and senior technical talents. However, the shortage of a variety of existing application technology talents severely restricts the transformation of industry and upgrading of economic structure. Accordingly, about 67 million college graduates cannot find jobs closely connect to their major learning in universities or cannot find jobs. If the phenomenon continues, it will not only delay the normal development of economy and society, the development of students, but also it is a waste of time about the education resources, the emotion, energy and time of students; and it will make a lot of universities lose the true value significance of higher education. In the case, as a newly "upgraded" general local universities, since backward in the direction of the "academic", it is reasonable to find another way and look for the real place. In this way, both in terms of meeting the needs of society and showing its value, or about their own development space, there is great benefit. The transformation is not going back, going fork in the road or taking another path, but a really right way, a bright broad road based on the previous road.

Transforming the Expedient Idea. For the transformation of universities, our government will adopt a lot of preferential policies, including certain fund input, which is aimed at providing a degree of support for the university in transition to promote the transformation carried out smoothly and quickly.
Some universities in transition regard transformation as temporary solution, and the purpose is to get corresponding preferential policies and invest capital, without a true transformation in ideology and a substantial change in action. Universities in transition should get rid of the idea of expediency and make full use of the government's "blood" to generate their own "hematopoietic function". They should really change themselves into application technology universities, which externally make a contribution to the development of social and economic new normal, just as timely rain and internally to find a really feasible broad avenue for their own development.

**Institution Transformation Is Guarantee**

Transition refers to the radical transition process of structure form, operation mode and ideology institution [1]. Transformation is not a slogan but action; action can't do without the guide, standard, constraints, and guarantee of institution. Institution transformation is the essential embodiment and powerful guarantee of university transformation.

There are a lot of institutions in a university, in a broad sense, school-running orientation be determined after the study of university conference is also refer to university institution, and university institutions refer to talent training plan, teaching management institution and so on. In these institutions, school-running orientation is soul and premise; talent training plan is core and key; the other institutions are service and guarantee.

**School-Running Orientation Is Soul and Premise.** As university in transition, after ideological transformation realized, their own school-running orientation should be adjusted firstly, which should match the orientation of application technical university.

From the micro perspective, school-running orientation includes social service orientation, development goals orientation, educational type orientation, orientation of talent training specification, school scale and level orientation and education characteristics orientation [2]. Social service orientation is space and category of industry that universities serve society, namely, industry and geographic area covered by talent cultivation, social services and scientific research in colleges and universities. Development goals orientation refers to a long term development target in university, a goal determined based on education situation, which is comprehensive, directional and strategic. It is the innovative thinking and scientific prediction of the future of university about development trend and development direction. There are various educational types, education type orientation mentioned above is orienting their own universities based on academic level and cultivate specification.

Orientation of talent training specification refers to determining which kind of specifications is the main body, such as practical talents, application talents or academic talents. School-running scale and level orientation refers to the orientation of students' number and students' level. Education characteristics orientation refers to the unique education connotation compared with other similar universities. Universities in transition should carry out brainstorm and further study and make efforts to orientating themselves in the six aspects mentioned above, which is basic work to do a good job in university transformation.

**Talent Training Plan Is Core and Key.** Talent training plan refers to the most important regulation to carry out teaching activities, the ultimate basis abide by specific teaching activities. Talent training plan, in terms of university, is the specific implementation of education orientation and in terms of teaching, is the statutory teaching plan. Therefore, talent training plan's core status and key role is self-evident, and it is the substantial embodiment of education orientation and the specific implement way to realize training goal. Because there are huge differences in education orientations between academic university and application technical university, the training plan must be different in style and content. The key to realizing school-running transformation is to study and determine a plan, which is scientific, feasible and suitable, mainly around "type of application and technology" and to fully embody the feature of application and technology in curriculum arrangement, teaching design,
teaching mode selection and evaluation methods. It will do the core work and the most important work for real application technical university.

The Other Institutions Are Service and Guarantee. Other management institutions such as teaching management institution, enrollment management institution, management institution of teacher team construction, etc., are formulated to ensure the implement of talent training plan. Therefore they are service and guarantee. According to the implementation need of talent training plan, university formulates corresponding teaching management institution, enrollment management institution etc. Although these rules and regulations are incidental, all aspects of teaching and learning will be involved when they are formulated, which will also touches the original interest distribution pattern and the traditional ideology. Therefore it will have some resistance. Adhering to the guideline that institutions should comply with work, universities should dare to break through resistance, innovate bravely and establish a scientific, feasible and perfect system to guarantee themselves transforms smoothly.

School-Running Model Transformation Is Core

University transformation involves many aspects, whether it is idea transformation or institution transition, the final transformation is on school-running model, which therefore is core of university transformation. It is obviously that university should be near to and cooperate with company in education to transform into application technical university. In this paper, as the core content of university transformation, university-enterprise cooperation mode mainly refers to the cooperation on school talent training. And the cooperation degree is not simply "invite in and go out", but real fusion of industry and education and true integration of work and learning, which means the following joints, major and industry demand, course content and professional standards, production process and teaching process, graduation certificate and qualification certificate.

The International Reference Models of University-Enterprise Cooperation. It is a long history in terms of university-enterprise cooperation on talent training, and no matter domestic and abroad, mature examples are countless. The most representative cooperation modes abroad are "Dual System" mode carried by application science universities and comprehensive universities in Germany, "Sandwich" mode in UK and "Cooperative Education" mode in America.

"Dual System" mode, widely spreading throughout the world, is known as the secret weapon of economic take-off of Germany. Originally, "Dual system "mode was only carried out at application science universities and vocational colleges, in recent years, it is also carried out widely in some comprehensive universities [3]. The feature of "Dual System" mode in comprehensive universities is "the government provides platform; universities, enterprises, students and industry associations act respectively" [4]. The platform is institutional factor; the win-win cooperation between university and enterprise is decisive factor; quality assurance guided by industry associations is guarantee factor; students' own selection and double identities are basic factor [5].

Commonly used in universities of UK, "Sandwich" mode is a kind of "study-practice-study" mode, which refers to work-study alternation and the combination of production and education. In terms of course arrangement, the curriculum of "Sandwich" mode is not less than general diploma and degree curriculum. The rest of practice time will be full arranged through extending one more year. Students practicing in enterprises can get a certain amount of remuneration as internships.

Cooperative education is a kind of structural education strategy, which refers to the combination between productive work experience in related field and classroom learning. The students' work area is related to their academic or professional goals. Through combining theory and practice, cooperative education can provide progressive experiences. Cooperative education is a kind of partnership among students, education institutions and employers, and the participants have their own specific responsibilities. [6] "Cooperative Education" mode has been widespread in the world; the specific
implementation process of it is "After six months since been enrolled in, college students have to alternate practical training in enterprises and study every two months, and they focus on study and finally complete the graduation projects in the last half year." [7]

The Domestic Reference Models of University-Enterprise Cooperation. In domestic, university-enterprise cooperation also has a long history and a variety of patterns. The "half work and half study" mode conducted in the 1950s and 1960s can be considered as the earliest work-study integration mode. Some modes gradually developed, such as "Order-deal" mode, "The Integration of Theory and Practice" mode, "Alternation of Working with Learning" teaching mode, "Expected Distribution of Two Stages" mode, etc., all of which are work-study integration school-running modes with Chinese characteristics[7]. Although these school-running modes are carried out in vocational colleges, they have positive reference value to universities in transition. In the university-enterprise cooperation mode in running schools, "Plan for educating and training outstanding engineers", is a kind of mode which is the most meaningful, remarkable, and representative. It has three features in execution, firstly, industries and enterprises should deeply participate in training process; secondly, cultivating engineering talents according to the general and professional standard; thirdly, intensively cultivating students' engineering and innovation ability. A variety of university-enterprise cooperation modes mentioned above have their specific implementation background and conditions.

Based on sufficient study and reference and according to environmental conditions and advantage, universities in transition can explore effective university-enterprise cooperation modes, and cultivate and develop continuously to finally find a suitable and new mode in terms of university-enterprise integration and work-study combination.

Undoubtedly, the transformation of university is huge system engineering. Since three axes can infinite a vast three-dimensional space, in the process of transformation in university, if ideological transformation, institutional transformation and school-running model transformation can be three axes respectively, the transition space must be vast.

References