

# Research on the Influencing Factors of Enterprise Collaborative Innovation

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## Abstract

This article analyzes the current status of research on the first domestic. Through the research show like research and analysis of the characteristics of collaborative innovation, the research uses the factor analysis method to verify the 4 factors. Results show that the factor analysis of the 4 factors can be found divided into 2 categories. Based on the collaboration between government and schools, University Enterprise Cooperation Committee to promote mode, build research and development entities pattern of Building Research Institute, subject project group or combination model, and different forms of IUR cooperative innovation mode, industry university research institute alliance participants cooperation willingness and cooperation intensity is different, thus IUR Institute Alliance collaborative innovation will be different.

## Keywords

Production and Research, Factor Analysis, Collaborative Innovation

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## 1. Introduction

Industry university research alliance is the basic form of cooperative innovation and development of institutions of scientific research institutions and industry [1]. It is also the major source of collaborative innovation technology in China. The demand for R & D is increasing in our country. Therefore, collaborative innovation can be a source of competitive advantage for enterprises in the same industry [2]. Our country has established a lot of research alliance and collaborative innovation model, but because collaborative innovation is a very complex system, there are still many obstacles in the development of collaborative innovation.

## 2. Enterprise Collaborative Evaluation Index

### 2.1. Learning Ability

[3] believe that the learning ability of an enterprise is that the management of an enterprise has an influential thought on employees, and that such influential ideas can be spread efficiently. Including the ability to organize the management of energy to produce influential ideas [3]. Through sharing knowledge and correct use of knowledge, constantly improve the learning ability of enterprises.

### 2.2. Superior Support

The members of the organization for cooperation between organizational commitment and organizational support due to degree of change, is a member of the party organization to give their superior induction theory, system, capital support, organization members in importance in mind will increase, thereby enhancing the sense of belonging to members of the alliance.

### 2.3. Innovation Ability

Mattesich, P. W. (1992) the establishment of collaborative innovation requires participants to provide resources that can contribute and share the resources provided by other participants [4].

Innovation ability was originally defined as “business success ability to accept new ideas and new technologies and produce new products” the technological innovation capability of enterprises is a long-term process of accumulation.

### 2.4. Recognition of Remuneration

Reward recognition refers to the job characteristics that are identified as valuable in the process of cooperation [5]. These characteristics are also the important basis for the decision made by the cooperative alliance to reward. Generally, the standard of enterprise payment distribution is divided into 4 dimensions: skill, responsibility, diligence and working environment.

## 3. Enterprise Synergy Innovation, Influencing Factors, Empirical Study

According the KMO value is 0.757. The significance probability of Bartlett sphericity test is 0, less than 0.001. As can be seen from **Table 1**, the characteristic root of 3 factors is greater than 1, which shows that the 3 factors can be extracted, and the variance sharing rate of these 4 factors is 74.075%.

## 4. Conclusion

Based on the analysis of the factors influencing the development of collaborative innovation of enterprises after the factors, influences are mainly divided into 2 aspects: one is the enterprise’s own quality; the other is the innovation and development of environmental factors. Collaborative innovation learning ability, innovation ability and management ability of the enterprise of science, improve

**Table 1.** Total variance before rotation.

Component	Initial Eigenvalues			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	4.978	34.330	34.330	2.697	21.368	21.368
2	3.233	15.233	66.957	2.104	28.921	74.075

  

Variable	Factor load factor				Alpha
	1	2	3	4	
A	0.834				0.766
C	0.826				
B				0.897	0.887
D				0.878	

their own quality, capital and other organizations, collaborative innovation and development, which is of great significance to cultivate innovative talents of university industry collaboration and technical conditions in the enterprise alliance will. Through the integration of scientific and technological innovation resources, we optimize the allocation of scientific and technological innovation resources to promote the improvement of China's scientific and technological capabilities.

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