THE APPLICATION OF AHP METHOD ON THE DEVELOPING STRATEGY PLANNING OF PHYSICAL EDUCATION

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ABSTRACT

In modern society, physical education has more and more important social function. It concerns with politics, economics, education, social concepts

and social living customs. In this paper, to improve the level of our physical education, we systemtically describe the works and tasks of whole physical education, and analyse the influencing factors relating to the four aspects of physical education. As a result of working with experts, we put forward the concrete ways to bring about the general goal, give the final calculated results, establish some new concepts and provide mach important decision information to the decision maker. This article has been written according to the project report about "DEVELOPING STRATEGY PLANNING OF PHY-SICAL EDUCATION OF BELJING".

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Much concerns and dependents with each other are shown in the domains of modern society. Physical education has important social function now. In international politics, the level of athletic sports becomes a synthesized indication of one country's strength. In economics, physical education acrossacts with other domains to produce many new physical industrials. With the development of economics and the improvement of people's living standard, physical consumption will become an important part of social living. Now , it is experiencing the reform of social concepts and social living customs. Mass sports provide wide and solid basis about social supporting and material condition. The improvement of athletic sports level, with the socialization of physical education, is connected with economics to a great extent. The over advanced strategy of athlitic sports is limited by the level of economics, education and mass sports. So we emphasize the equivalent development of physical education with economics ' and education.

The structure of the target system of developing strategy about physical education is shown by the figure 1, which has four hierarchies*, they are general goal, strategy aims (4), influencing factors (12) and judging rules (28). We will explain the contents of each item of the target system as follows.

General goal A: To fully fulfill the social functions of physical education and athletic sports, and make the level of Beijing about physical education and athletics achieve and keep it as long as possible the most advanced level in our country of the advanced level in world.

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^{*} In original report, there are six hierarchies. In addition to above, it also has practise steps (51) in the fifth hierarchy and non-completed suboridinate practise steps (35) in the sixth.

Strategy aims S1-S4:

- SI: Athletic sports which level is mainly demonstrated by the total number of gold, silver, bronze medals in the Olympic, Asian and National games.
- S2: Sports education which means the whole education condition of physical education field, including physical teachers colleges sports in school and university, the disseminating extent of physical or sports knowledge in society and physical customs, etc.
- S3: Sportsfield and sportshall which chiefly points the quantity, quality and completeness of the fields and halls.
- S4: Mass sports which chiefly means the extensive range, deepness or general sports conditions.

Influencing factor T1-T12:

T1: Sports training mainly refers to athletic sports training. It also includes amateurish sports training. The level of athletic sports training may be used as three indexs to judge it. See table 1. The synthesized value can be calculated by the indexs value multiply their weight and then sum them up.

Table 1.

index	weight	
ratio of talented sporters	0.7089	
level of talented sporters	0.1786	
top period of talented sporters	0.1125	

- T2: Decision making and management mainly refers to the various decisions by the leader of Physical Sports Committeeof each grade, the daily management of each department of PSC, and the decisions relating to physical sports by the center and local government.
- T3: Physical research refers to researches such as physical exercise, training, competitions, equipment, nourishment, restoring and health caring, selecting and cultivating talented children in sports and computer application, ect.
- T4: Physical education in school and university refers to the sports in schools and colleges, cultivating and training in amateurish and special sports schools .This is the basis of selecting and training the talent children in sports and cultivating reserve sporters.
- T5: Social environment mainly refers to the across-sections of physical education concerned with economics, politics, social livings and social public opinions which are intensely influencing physical education and athletics sports. Let's look at table 2.
- T6: Sports in society mainly refers to the spread of mass sports, including the sports in enterprises or by individual.
- T7: Talented people group includes the persons of decision making and managing, service ensuring, researching, teaching, training, judging and sporting in the physical system. It may be used of reasonable ratio, quantity and quality to judge the group of talented people in system.

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- T8: Material ensuring mainly refers to the money and service ensuring. Let's look at figure 2.
- T9: Physical theory determines the whole movement of physical education. It may be divided into basic theory, applying theory and special sport theories in hierarchy and other fields shown in table 3.

Table 2.

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	Sports labour
	Sports goods (athletic equipment)
Physical industrials	Physical publication
_	Sports advertisement
	Interview by sports
Physical propagation	Physical literatures and arts
and public opinions	Health service and care by sports
· · ·	Sports travel
	Sports television
	Sports broadcast
Actions of physical	Physical institute actions
associations	Special sport union actions
	Sports society actions

Money Investments by government Money from society Investments by enterprises Service Sportsfield and sportshall ensuring Equipments and goods Health service and care Eating and sleeping In contact with others

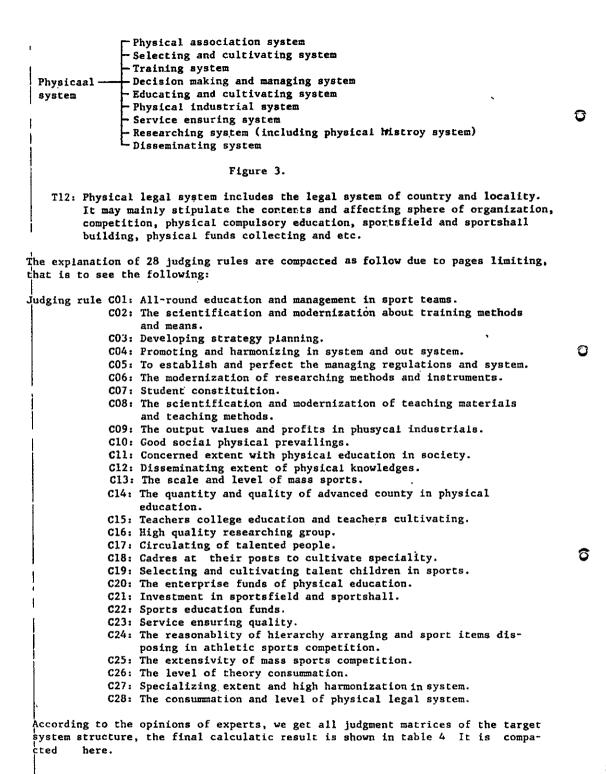
Figure 2.

- T10: Sports competition includes athletic and un-athletic sports competitions of various hierarchies and sports items. It has important influence on competition which improve the spread of general mass sports and the level of athletic sports.
- Tll: Physical system includes organization system of athletic and un-athletic sports. It may be divided into many sub-system according to their functions. Let's look at figure 3.

Table 3.

Physical economics Physical culture Scientific physical theory Sports training Health service in sports Biological mechanics in	Sports psychology Physique (constitution) Physical information Physical statistics Physical education in school and university Computer applications in
Biological mechanics in sports	-
	Computer applications in

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Tab	le	4,	,

Orderby weight	Item	Weight	Important grade
1	Dicision making and managing	0.192500	
2	Materials ensuring	0.175228	
3	Physical theory	0.127535	First
4	Talented people group	0.119909	
5	Physical system structure	0.102750	
6	Sports training	0.062361	
7	Physical educatuion in school and university	0.053761	Second
8	Physical research	0.050171	
9	Sports competition	0.039818	
10	Social environment	0.033896	Third
11	Sports in society	0.024348	
12	Physical legal system	0.017694	

Conclusion: To the general goal, T2, T8, T9, T7 and T11 are primary factors, T10, T5, T6 and T12 are secondary factors, T1, T4, and T3 are between the two above groups. That is to see, we should attach importance to the factors affecting whole system, foundation and overall progress. Sports training is not a priary factor now.Not only is the whole system perfect and harmonious, but also foundation is solid and many progress is stable. Physical education will be developed to be prosperous and kept for long periods. Conversely, the best result is only a pulse result is only a pulse result. This is very bad to the benefit of putting in and producing out. In following hierarchy, the calculatic results will be more obvious to show this character, and provides theory bases and directions to various important decisions of PSC. In this paper, we don't intend to move foward about it.

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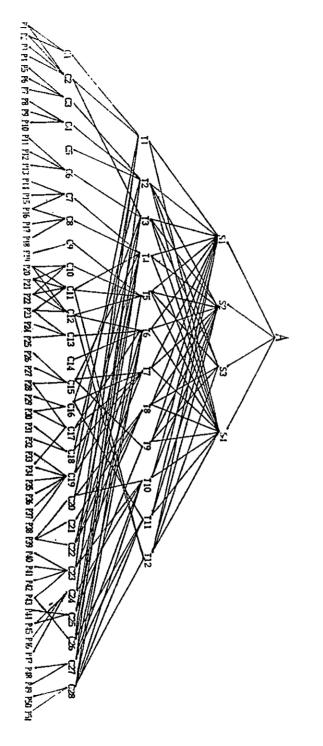
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