



## ASSOCIATION OF PHYSICAL EDUCATION RESOURCES WITH METHOD OF IMPLEMENTATION OF PHYSICAL EDUCATION (OUTSOURCED AND CONVENTIONAL)

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### ABSTRACT

This study was conducted to analyse the association of physical education resources specifically human resource, physical resource, curricular resource and financial resource with the method of implementation of physical education. For the purpose of this study the two methods of implementation of physical education are outsourced and conventional. The responses derived from the study revealed that the physical education resources human resource  $\chi^2 (13, N=50) = 22.88, p=0.04$ , physical resource  $\chi^2 (15, N=50) = 46.36, p=0.00$ , curricular resource  $\chi^2 (15, N=50) = 46.36, p=0.00$  and financial resource  $\chi^2 (7, N=50) = 48.00, p=0.00$  are dependent or associated with method (outsourcing and conventional) of implementation of physical education. These physical education resources are the deciding factors for outsourcing of physical education in schools.

**Keywords:** Outsource, Conventional, Curricular Resource and Financial Resource

### INTRODUCTION

India is one of the largest education markets in the world. Indian education market has grown rapidly after independence. School segment is the biggest contributor of Indian education market with highest number of students enrolled and is expected to grow further at high rate. With the growth in number of schools and number of students enrolled, education system

has also transformed from traditional to innovative approaches. To sustain in the market and grow further schools acquire new-fangled outlook. Outsourcing is one of the recently adopted innovative management strategy of schools. As per the results of various studies, outsourcing is beneficial for any organisation in terms of cost cutting, more focus can be given to core activities, and it reduces work pressure. The market of outsourcing is expanding rapidly from outsourcing of non core activities to core activities, from business firms to educational institutes. This paper is solely focused on outsourcing of physical education in schools.

Outsourcing of physical education is a new trend of schools. Schools are replacing conventional method of physical education with outsourced method. To take decision of outsourcing or conventional method, there must be some factors associated with physical education. Success of any physical education program is largely predicted by the quality of resources, and the physical education resources selected for the study are human resource, physical resource, curricular resource and financial resource. If these physical education resources are significantly associated with method of physical education, they must be the reasons of outsourcing.

It is hypothesised that Quality of physical education resources will be independent of



method of implementation of physical education.

## METHODOLOGY

Total 50 schools were selected for the study, 25 schools using conventional method of physical education selected with simple random sampling and 25 schools using outsourced method of physical education selected with purposive sampling. To fulfil the purpose of the study, it was decided to use self-made questionnaire to gather information. Multi-scale questionnaire was used to collect data from schools regarding outsourcing and conventional method of Physical Education.

Construction and development of questionnaire With the help of literature review and experts suggestions multi-scale questionnaire was constructed on five point likert scale. Content validity of questionnaire was set with the recommendation of experts. To check the reliability test-retest method was used. Final questionnaire was consists of 27 questions. This questionnaire was developed for the purpose of doctoral degree. There were 19 questions related to physical education resources. Out of 19 questions there were seven questions related to human resource, five questions related to physical resource, five questions related to curricular resource and two questions related to financial resource. Reliability of final questionnaire with Cronbach's Alpha method was 0.718. Responses received on questionnaire were analysed with Chi-square test of independence.

## DATA ANALYSIS

Data collected on 19 questions was converted to sub-scales and analysed using IBM SPSS 16.0 for all the variables as below-

TABLE - 1  
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Factors	Mean (N=50)	Std. Deviation	$\chi^2$	Sig. (2-tailed)
Human Resource	3.57	0.40	22.88	0.04*
Physical Resource	3.79	0.64	38.37	0.00*
Curricular Resource	3.64	1.02	46.36	0.00*
Financial Resource	2.18	1.27	48.00	0.00*

\*Significant at 0.05 level

To test whether there is association of human resource with method of implementation of physical education, there were seven questions in the questionnaire related with friendly behaviour of teachers, responsibility and commitment, capability, leadership, organisation and class conduct. Chi-square test of independence revealed significant association of quality of human resource with method of physical education  $\chi^2$  (13, N=50) = 22.88,  $p=0.04$ .

To test whether there is association of physical resource with method of implementation of physical education, there were five questions in the questionnaire related to sports facilities, equipments' quantity and quality. Chi-square test of independence revealed significant association of quality of physical resource with method of physical education  $\chi^2$  (11, N=50) = 38.37,  $p=0.00$ .

To test whether there is association of curricular resource with method of implementation of physical education, there were five questions in the questionnaire related to curriculum content, framework, use of tools and assessment reports. Chi-square test of independence revealed significant association of quality of



curricular resource with method of physical education  $\chi^2 (15, N=50) = 46.36, p=0.00$ .

To test whether there is association of financial resource with method of implementation of physical education, there were two questions in the questionnaire related to transfer of financial cost and share of fee to the school. Chi-square test of independence revealed significant association of financial resource with method of physical education  $\chi^2 (7, N=50) = 48.00, p=0.00$ .

### Discussion

To test the hypothesis Chi-square test of independence was used. Data analysis in table 1 shows that p value for all the variables is significant which means the null hypothesis stated "Quality of physical education resources will be independent of method of implementation of physical education" is rejected. The two variables that are outsourced and conventional method of physical education are not independent they are related with quality of physical education resources. Through finding association of physical education resources with method of physical education, it was aimed to magnify the understanding of factors related with outsourcing of physical education.

### CONCLUSION

This association of outsourced and conventional method of physical education with physical education resources supports that human resource, physical resource, curricular resource and financial resource are the important factors of outsourcing. This study highlights the factors associated with the replacing of conventional physical education. It may be concluded that these physical education resources will play important role in

shaping the future of physical education profession.

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