



## SPORTS MANAGEMENT IN 21ST CENTURY EFFICACY OF MANAGEMENT FUNCTIONS IN PHYSICAL EDUCATION

### Physical Education

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### ABSTRACT

The paper presents the results of a study on efficacy of Management functions in Physical Education High/Higher Secondary Schools in Tamil Nadu. The effectiveness of Management is studied with reference to overall Managerial Acts and its five dimensions.

The Study involved 166 schools in Kanchipuram Revenue District in Tamil Nadu. A questionnaire on Management of Physical Education (QMPE) was developed by the investigator. It consisted of 50 items and studied the overall Managerial Acts in five dimensions.

The data collected through this questionnaire were analysed with respect to Location, School-sex, Type of Management and-Educational Districts. Descriptive and Differential statistical techniques were used.

As far as the effectiveness of Efficacy of overall Managerial Acts-scores was concerned, welfare schools got the higher mean score (79.56%) and the schools at Tiruvallur Educational Districts the least (71.62%).

Out of Five dimensions, Aided Schools got the highest mean scores in three dimensions viz., PA (79.23%), DA (82.82%) and CA (82.377). Welfare schools got the highest mean scores in two dimensions viz., OA (88.89%) and SA (78.89%).

QMPE Questionnaire maybe used by the authorities of the schools and Government to find out the Efficacy of Managerial Acts and take necessary further actions to improve the Physical Education Programmes in Schools.

### KEYWORDS:

#### 1.1 INTRODUCTION

A study of Management is important for all physical educators and athletic personnels. The way in which organisations are managed, determines the course of human behavior. Management affects the type of programmes offered, the climate in which the programmes take place, the goals that are sought, and the health and happiness of the members of the organisation.

Most of the physical educations personnel perform some types of management work; therefore an understanding of management will contribute to better performance, management is not restricted to one group of individuals. Some staff members have reports to complete, equipments to order, evaluations to make and other duties to perform that are managerial in nature. An understanding to management will help in carrying out these assignments effectively and efficiency.

The immediate objective is to achieve desired competitive standard in the physical development and skills. The ultimate aim is to help individuals develop their potential abilities and become an efficient and useful citizen. To achieve these goals an efficient management is indispensable for the 21st century.

The management functions include:

- Planning Acts,
- Organising Acts,
- Staffing Acts,
- Directing Acts, and
- Controlling Acts

The present study is an attempt to quantify and to estimate the degree of efficiency of various management functions of physical education in schools.

#### 1.2 OBJECTIVES

The objectives of the present study are:-

To study the Efficacy of Management Functions in Physical Education in schools with respect to

- Planning Acts,
- Organising Acts,
- Staffing Acts,
- Directing Acts, and
- Controlling Acts.

#### 1.3 HYPOTHESES

The following hypotheses are formulated on the basis of the objectives of the study.

- Urban and Rural Schools differ in the effectiveness of Managerial Acts of Physical Education.

- Boys, Girls and Co-education schools differ the effectiveness of Managerial Acts of Physical Education.
- Government, Private Aided, Matriculation and welfare Schools differ in the effectiveness of Managerial Acts of Physical Education.
- Schools in Chengalpattu, Kanchipuram, Saidapet and Tiruvallur Educational districts in the effectiveness of Managerial Acts of Physical Education.

#### 1.4 METHODOLOGY

The present study is a normative study. The data were collected from Headmasters and Physical Education personnel in schools in Kanchipuram Revenue District.

#### 1.5.1. SAMPLE

The study was carried out in Kanchipuram Revenue District in Tamil Nadu. Ninety one High Schools and seventy five Higher Secondary schools and seventy five Higher Secondary Schools from four educational districts representing different managements, localities and compositions were involved in the study.

#### 1.6.1. Efficacy of Management Functions in Physical Education in All Schools (whole sample N = 166).

The dimensions contributing to the effectiveness of Management functions in Physical Education in all the schools were studied. The relevant Statistical data are shown in table 1.1.

**TABLE 1.1  
MEAN AND STANDARD DEVIATION OF THE EFFICACY LEVELS OF VARIOUS MANAGERIAL ACTS IN ALL SCHOOLS (WHOLE SAMPLE N-166)**

S.No.	Dimensions	Mean	S.D.	Maximum	%Score
1.	Planning Acts (PA)	22.30	4.76	30	74.36
2.	Organising Acts (OA)	24.90	4.64	30	83.31
3.	Staffing Acts (SA)	19.33	4.94	30	64.44
4.	Directing Acts (DA)	23.73	5.46	30	79.10
5.	Controlling Acts (CA)	23.10	5.27	30	77.23
	Overall Managerial Acts (MA)	113.53	19.90	150	75.69

Table 1.1 reveals that all the schools secured more than 60% of the maximum scores for managerial Acts (MA) and for the five dimensions. A Bar diagram showing the dimensions of MA scores with respect to whole sample is presented in Figure 1.1

**Figure 1.1 Five Dimensions of MA Scores with Respect to Whole sample**

(N=166 Schools)



**1.6.2. Efficacy Levels of Management functions in Physical Education in schools in different locations (Urban and Rural)**

The schools are divided in two categories urban and rural, and the data are analysed to find out whether these two categories of schools differ in MA scores.

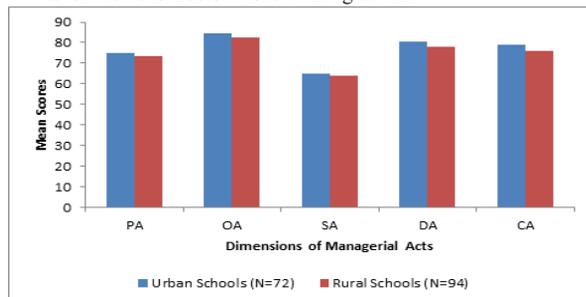
**TABLE 1.2**  
**MEAN STANDARD DEVIATION AND T-TEST RESULTS FOR THE DIMENSIONS OF MANAGERIAL ACTS (MA) SCORES WITH RESPECT TO LOCATION OF SCHOOLS**

S. No.	Dimensions	Urban Schools (N=72)			Rural Schools (N=94)		
		M1	SD1	% Score	M2	SD2	% Score
1.	PA	22.46	4.66	74.86	22.19	4.84	73.47
2.	OA	25.29	4.84	84.31	24.77	4.47	82.55
3.	SA	19.53	4.74	65.09	19.18	5.08	63.94
4.	DA	24.19	5.76	80.65	23.37	5.19	77.91
5.	CA	23.75	5.16	79.17	22.72	5.31	75.74
Overall Managerial Acts (MA) Acts (MA)		115.22	20.00	76.81	112.23	19.30	74.82

df = 164; 't'=0.95; P>0.05; N.S

An inspection of results in Table 1.2 reveals the following:

1. Urban schools secured the highest mean scores in all the five dimensions of MA scores.
2. In the urban Schools the dimension of Organising Acts (OA) gets the highest mean score (84.31%) and staffing Acats(SA), the lease (63.94%).
3. There is no significant difference in overall managerial Acts-scores between urban and rural schools.
4. Profile of the dimensions of managerial Acts-scores with respect to location of schools are shown in figure 1.2.



**Figure 1.2 Profiles of the Dimensions of MA Scores with Respect to Location of Schools**

**1.6.3 Efficacy Levels of Management Functions in Physical Education in Schools with Respect to School-Sex**

The schools are categorized on the basis of sex into Boys, Girls, and Co-education schools. The data are analysed to find out whether these categories differ in the dimensions studied.

**TABLE 1.3**  
**MEAN, STANDARD DEVIATION, F-TEST RESULTS FOR THE DIMENSIONS OF MANAGERIAL ACTS-SCORES WITH RESPECT TO SCHOOL-SEX**

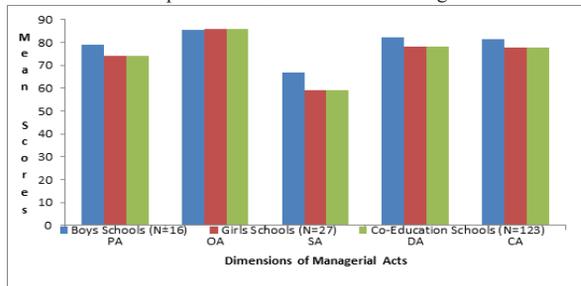
S.No.	Dimensions	Boys Schools(N=16)			Girls Schools (N=27)			Co-Education Schools(N=123)		
		M1	SD1	% Score	M2	SD2	% Score	M3	Sd3	% Score
1.	PA	23.75	5.36	79.17	22.26	4.30	74.30	22.13	4.75	73.77
2.	OA	25.69	5.11	85.63	25.71	3.28	85.68	24.75	4.80	82.49
3.	SA	20.00	4.49	66.67	17.74	4.18	59.14	19.59	5.08	65.31
4.	DA	24.63	4.90	82.08	23.41	4.24	78.02	23.68	5.75	78.61
5.	CA	24.38	5.09	81.25	23.30	4.92	77.65	22.98	5.35	76.61
Overall		118.44	21.30	78.96	112.41	14.00	74.94	113.14	20.70	75.43

df=164; "t'=0.95; P>0.05; N.S.

The data in the Table 1.3 revealed the following:

1. Boys schools secured the highest mean scores in all the five dimensions of MA scores.
2. In Girls schools, the dimension of Organising Acts (OA) got the highest mean score (85.68%) and the staffing Acts (SA), the least (59.14%).
3. Over all MA scores do not show any significant difference in schools with respect to school-sex. Profile of the dimensions of MA scores with respect to school-sex are shown in figure 1.3.

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2. In Girls schools, the dimension of Organising Acts (OA) got the highest mean score (85.68%) and the staffing Acts (SA), the least (59.14%).
3. Over all MA scores do not show any significant difference in schools with respect to school-sex. Profile of the dimensions of MA scores with respect to school-sex are shown in figure 1.3.



**Figure 1.3 Profiles of the Dimensions of MA Scores with Respect to School Sex**

**1.6.4. Efficacy Levels of Management Functions in Physical Education in Schools with Respect to Type of Management of Schools.**

The schools are categorized on the basis of type of management and the data collected from the same analyzed with reference to MA scores. The data are presented in Table 1.4.

**TABLE 1.4**  
**MEAN, STANDARD DEVIATION AND 'F'-TEST RESULTS FOR THE DIMENSIONS OF MA SCORES WITH RESPECT TO TYPE OF MANAGEMENT OF SCHOOLS.**

S. No	Dimensions	Govt. Schools (N=121)			Aided Schools (N=26)			Welfare Schools (N=13)			Matriculation Schools (N=13)		
		M1	SD1	% Score	M2	SD2	% Score	M3	SD3	% Score	M4	SD4	% Score
1.	PA	22.20	4.93	73.99	23.73	3.17	79.23	23.67	3.30	78.99	19.78	5.21	65.90
2.	OA	24.90	4.77	83.00	25.73	3.95	85.77	26.67	3.09	88.89	23.62	4.83	78.12
3.	SA	19.05	4.89	63.50	20.12	4.47	67.05	23.67	5.56	78.99	19.39	4.86	61.28

4.	DA	23.49	5.05	78.29	24.85	4.44	82.82	21.83	6.36	72.78	24.62	8.90	82.05
5.	CA	23.00	5.357	76.69	24.69	3.99	82.31	23.50	6.99	78.33	21.54	5.09	71.95
Overall Managerial Ads		11264	23.40	75.09	119.15	11.50	79.44	119.33	19.70	79.56	107.92	20.80	71.95
		df = 164;		t = 0.95;		P > 0.05;		N.S.					

- An inspection of the results in the Table 1.4 reveals the following :
  - The welfare schools, got the highest mean scores in Organising Acts (88.89%) and in matriculation schools, Staffing Acts, the least (61.28%).
  - The overall Managerial Acts – scores do not show any type of management of schools. Profile of the Dimensions of MA scores with respect to type of management of schools in figure 1.4

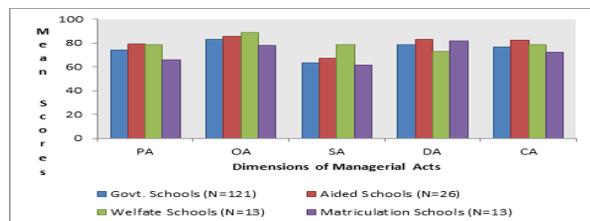


Figure 1.4 Profiles of the Dimensions of Ma Scores with Respect to Type of Management of Schools

1.6.5. Efficacy Levels of Management Functions in Physical Education in Schools With Respect of Four Educational District

TABLE 1.5 MEAN, STANDARD DEVIATION, 'F' AND 'T' RESULTS FOR THE DIMENSIONS OF MA SCORES WITH RESPECT OF FOUR EDUCATIONAL DISTRICTS

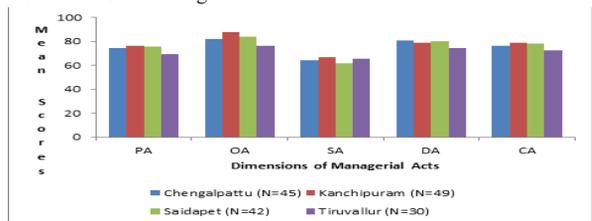
S. No.	Dimensions	Chengalpattu (N=45)			Kanchipuram (N=49)			Saidapet (N=42)			Tiruvallur (N=30)		
		M1	SD1	% Score	M2	SD2	% Score	M3	SD3	% Score	M4	SD4	% Score
1.	PA	22.27	4.23	74.22	22.88	4.65	76.26	22.81	5.09	76.03	20.73	4.88	69.11
2.	OA	24.69	5.02	82.30	26.29	4.07	87.62	25.26	4.07	84.21	22.97	4.90	76.56
3.	SA	19.20	4.77	64.00	19.96	4.51	66.53	18.52	5.62	61.73	19.63	4.67	65.44
4.	DA	24.22	4.84	80.74	23.76	4.64	79.88	24.14	6.89	80.48	22.37	5.06	74.56
5.	CA	23.18	4.76	76.26	23.71	5.53	79.08	23.55	5.34	78.49	21.73	5.21	72.44
Overall Ms/agera IA*		113.56	18.80	75.50	116.59	18.50	77.73	114.29	20.60	76.19	107.43	21.10	71.62
		df=162;		F=75.34;		P<0.0		Significant					
		Chenalpattu Saidapet		df=85;		F=14.52;		P<0.01		Significant			
		Kanchipuram Saidapet		df=89;		F=16.19;		P<0.0		Significant			
		Saidapet											
		Tiruvallur						df=70;		F=9.71;		P<0.0 Significant	

The schools are categorised on the basis of educational districts and the data are analysed to find out whether these four educational districts differ in the dimensions of MA scores.

The data in the Table 1.5 revealed the following :

- The schools at Kanchipuram educational districts, got the highest mean score (87.62%) in the dimension of Organising Acts (OA)
- The schools at Saidapet educational district, secured the lowest mean score (61.75%) in the dimension of Staffing Acts (SA).
- Overall managerial Acts-scores in these schools shows a significant difference obtaining a T value of 14.52 on MA scores.
- The schools at Kanchipuram and Saidapet educational districts show a significant difference at 0.01 level since the 'V' value is 16.19.
- The schools at Saidapet and Tiruvallur educational districts show a significant difference at 0.01 level obtaining a 'V' value of 9.71 on MA scores.
- The other comparative analyses on these schools reveal no significant differences.

Profile of the dimensions of MA scores with respect to four educational districts are shown in figure 1.5.



1.7 SUMMARY OF MAIN FINDINGS

The following are the main findings to the study regarding efficacy of management functions in Physical Education in schools.

- In the urban schools Organising Acts(OA) gets the highest mean score (84.31 %) and staffing Acts (SA), the least (63.94%).
  - In Girls Schools, Organising Acts (OA) got the highest mean score(85.68%) and the Staffing Acts (SA), the least (63.94%).
  - The Welfare Schools, got the highest mean scores in Organising Acts (88.89%) and in Matriculation Schools, Staffing Acts, the least (61.28%).
  - The schools at Kanchipuram educational district, got the highest mean score (87.62%) Organising Acts (OA).
  - The schools at Saidapet Educational district, secured the lowest mean score (61.75%) in of Staffing Acts (SA)
- The Effectiveness/Efficacy of Managerial Functions/Acts Differs
- In schools at Chengalpattu (75.50%) and Saidapet (76.19%) educational District.
  - In schools at Kanchipuram (77.73%) and Saidapet (76.19%) and Tiruvallur(71.62%) educational districts.

1.8 IMPLICATIONS OF THE STUDY

The study on Efficacy of Management functions in Physical Education in High/ Higher secondary Schools in Tamil Nadu rendered it possible to measure the efficacy of management functions in Physical Education.

The questionnaire may be used by the authorities of the schools and Government to find out the efficacy of Management functions in Physical Education in schools and take necessary further actions to improve the physical education programme in schools.

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