



P-ISSN: 2394-1685
E-ISSN: 2394-1693
Impact Factor (RJIF): 5.38
IJPESH 2022; 9(4): 155-157
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www.kheljournal.com
Received: 14-03-2022
Accepted: 20-04-2022

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A comparative study on sports infrastructure facilities available in the Colleges of Karnataka and Kerala State Universities

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Abstract

This study on available sports infrastructure facilities in the top 40 sports achieved colleges of Karnataka and Kerala State Universities. The purpose of this study is to examine the various types of sport infrastructure facilities available in the department of physical education and sports top 40 achieved colleges and its influence to bring the laurel to the concerned universities in the South-Zone and All Indian university level of competition. Using percentile analyses, an assortment of sport infrastructure surveys with an overall sample size of $N=20$ (colleges in each Karnataka and Kerala State Universities), compel the data concerning with the departments Physical Education of Karnataka and Kerala Universities. The results hint at that different sports facilities in department of physical education and sports in the colleges comes under Karnataka and Kerala State Universities, colleges that are having fitness centres, indoor facility, outdoor facility, training, coaching camps, implementation of modern technology and other outdoor facilities has to be improved and some facilities has to provide to develop for the increase their level of sports achievements in the colleges for contribute for their respective universities, which are affiliated under Karnataka and Kerala State Universities.

Keywords: Sports infrastructure facilities, availability, metropolitan regions, universities

Introduction

The availability of adequate sports facilities throughout the country is basic to the development and broad-basing of Sports. In addition to the Union and State Governments, the sustained involvement of other agencies, including the Panchayat Raj Institutions, Local Bodies, Educational Institutions, Sports Federations/Associations. Clubs and Industrial undertakings will be enlisted in the creation, utilization and proper maintenance of the Sports infrastructure is very essential to the keep top priority of the country in the line of sports achievers at world level of sports.

While existing play fields and sports stadiums, both in provincial and metropolitan regions, will be kept up for sports purposes, the presentation of reasonable enactment might be considered for giving open regions to encourage games and sports. Steps would be taken to develop ease practical and climate well-disposed plans in such manner, so greatest profit could be inferred through generally low degrees of speculation. Endeavors will likewise be made to ideally use the accessible Infrastructure and manpower and exceptional coaching camps are co-ordinate, during the get-away to give concentrate for preparing the skilled games, even as they seek after their scholarly work in the college level.

Hypothesis of the research

It was hypothesized that the top achieved 40 colleges of Karnataka and Kerala State Universities have adequate facilities of sports infrastructure in the department of physical education and sports.

It was hypothesized that due course of available sports infrastructure in the top achieved colleges and they trained the sportspersons, that benefits were taken by the universities for achieving in the South-Zone and All India Inter-University competition.

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Objectives of the study

To have a depth study of the sports infrastructure facilities available in the top 40 Colleges, it influence for the promotion and development of physical education and sports in the Karnataka and Kerala State Universities.

To measure the sports infrastructure facilities available in the different top achieved colleges in the Inter-Collegiate competitions of Karnataka and Kerala State Universities.

Delimitations of the study

- The study was delimited to the colleges of Karnataka and Kerala Universities only.
- The study was delimited to total 20 colleges of Karnataka and Kerala universities each.
- The study was further delimited to only infrastructure facilities readily available in particular colleges.

Limitations of the study

- The qualities of infrastructure facilities available in the universities are one of the limitation of the study.
- The amount invested to create the infrastructure facilities in each college was considered as limitation of the study.

Analysis and interpretation of the study

The analysis of data collected through the administration of the questionnaire has been presented in this chapter. In order to survey the sports infrastructure and facilities in degree colleges of Karnataka and Kerala State Universities percentage were used. The questionnaires were based on the major areas of 8 variable. Researcher received 5 questionnaires duly filled from the physical education Directors of the concerned top 20 (each 20 State universities) degree colleges.

Table 1: Sports Infrastructure facilities available in the universities

State			Responses		Percent of Cases	Total (Avg.)
			N	Percent		
Kerala	Details of Infrastructure facility	fitness centre	20	26.3%	100.0%	19(0.95)
		indoor	10	13.2%	50.0%	20(1)
		outdoor	17	22.4%	85.0%	50(2.5)
		training and coaching	19	25.0%	95.0%	16(0.8)
		technology	10	13.2%	50.0%	6(0.3)
	Total	76	100.0%	380.0%		
Karnataka	Details of Infrastructure facility	fitness centre	14	22.2%	77.8%	13(0.65)
		indoor	12	19.0%	66.7%	5(0.25)
		outdoor	17	27.0%	94.4%	21(1.05)
		training and coaching	14	22.2%	77.8%	30(1.5)
		technology	6	9.5%	33.3%	12(0.6)
	Total	63	100.0%	350.0%		

a. Dichotomy group tabulated at value 1.

Table No.01 shows the details of sports facilities available in colleges of the both states. It revealed that all colleges in Kerala have fitness center with average number of one. It also revealed that 50% of the colleges have indoor game facility with the average of one and 85% of the colleges have outdoor game facilities. Further, it showed that 95% of the colleges in Kerala have proper training and coaching facility and 50% of the colleges have required technology. Whereas in Karnataka,

only 77.8% of the colleges have fitness center and 77.8% of the colleges have proper training and coaching facility. Further, it showed that 66.7% of the colleges in Karnataka have indoor game facilities and 94.4% of the colleges have outdoor game facilities. While analyzing the total number of facilities and the average number of facilities, it can be concluded that Kerala colleges have a greater number of sports facilities than colleges in Karnataka.

Table 2: Outdoor game facilities available in the Universities

State			Responses		Percent of Cases
			N	Percent	
Kerala	Outdoor sports facilities	hockey	10	7.4%	50.0%
		Kabbadi	13	9.6%	65.0%
		cricket pitch	17	12.5%	85.0%
		football	17	12.5%	85.0%
		Kho Kho	8	5.9%	40.0%
		ball badminton	7	5.1%	35.0%
		volleyball	20	14.7%	100.0%
		basketball	20	14.7%	100.0%
		handball	9	6.6%	45.0%
		tennis	1	0.7%	5.0%
		throw ball	8	5.9%	40.0%
		Archery	1	0.7%	5.0%
	Netball	5	3.7%	25.0%	
Total	136	100.0%	680.0%		
Karnataka	Outdoor sports facilities	hockey	8	6.2%	57.1%
		Kabbadi	14	10.9%	100.0%
		cricket pitch	11	8.6%	78.6%
		football	11	8.6%	78.6%
		Kho Kho	11	8.6%	78.6%
		ball badminton	12	9.4%	85.7%

		volleyball	14	10.9%	100.0%
		basketball	9	7.0%	64.3%
		handball	11	8.6%	78.6%
		tennis	6	4.7%	42.9%
		throw ball	14	10.9%	100.0%
		Archery	2	1.6%	14.3%
		Netball	5	3.9%	35.7%
		Total	128	100.0%	914.3%

a. Dichotomy group tabulated at value 1.

Table No.02 shows the outdoor game facilities available in the universities and it shows that, normally all the colleges in Kerala state 85% have volleyball, basketball, cricket, and football grounds, only 5% of the colleges have tennis (Lawn Tennis) ground. It also showed that 65% of the colleges have Kabbadi courts, 40% of the colleges have Kho-kho and throw ball games. In the other hand, all colleges in Karnataka state Universities have Kabbadi, volley ball and 78.6% of the colleges have Cricket pitch, football, handball and kho-kho playing grounds. Only 14.3% of the Archery game and 35.7% of the Netball game. From the analysis it can be concluded that, colleges of Kerala state have more outdoor game facilities rather than colleges of Karnataka state.

Summary, Conclusion and Recommendation

Physical education and competitive sports is also considered a process by which, individual is shaped to fit into the society to maintain and advance the social order. It is a system designed to make an individual rational, mature and a knowledgeable human being. Physical education and sports is the modification of behavior of an individual for the better adjustment in the society and for making a useful and worthwhile citizen. The pragmatic view of physical education and sports highlights learning by doing and learning through physical movement.

From many years sports persons are representing the respective university to participate in the South-Zone and All India Inter University competition in Karnataka and Kerala State Universities, they are having better sports infrastructure facilities in the colleges, researcher clearly stress over that, those colleges having better sports infrastructure they can possible to uplift the sports persons present and future in the National and Inter-National competition for the concerned Universities. It mandatory that, even though Universities were established the infrastructure sports facilities will not use by the sports persons throughout the year in a systematic and planned manner, it may cause lack of maintenance and it is very difficult to maintain the ground as well as equipment and also financial burdens for the concerned university.

Researcher included to complete this study is based on Indoor and Outdoor facilities available in the colleges of Karnataka and Kerala State Universities and it impact on the South-Zone and All India Inter-University competitions.

Recommendation of this study

1. The result of the present study may be considered as a review for further study in the area of sports infrastructure and outdoor sports facilities.
2. Similar study may be conducted in other professional courses in the field of Physical Education and Sports.
3. This study may recommend for all the colleges can generate resource and develop infrastructure.
4. This type of study can be conduct in different states in India.
5. Same study can be implemented with comparison of

zonal performance of every year.

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