



ISSN: 2456-4419

Impact Factor: (RJIF): 5.18

Yoga 2019; 4(1): 286-287

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www.theyogicjournal.com

Received: 22-11-2018

Accepted: 24-12-2018

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Comparison of speed ability between basketball players of technical and non-technical universities of Haryana

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Abstract

The present study was entitled as “Comparison of speed ability between Basketball players of technical and non-technical universities of Haryana”. To achieve the purpose of present study, the data was collected from three technical and three non technical universities of Haryana. Total forty eight (N=48) Basketball players were selected as subjects from these technical and non technical universities in equal proportion. To check the speed ability of Basketball players, 50 yards Dash Run (AAHPER-YFT) was used as data collection tool. After the collection of relevant data, to know the difference between speed ability of Basketball players, unpaired t-test was employed on mean values with the help of Statistical Package for the Social Sciences (SPSS) 17.0. The level of significance was set at 0.05 percent ($p < 0.05$). After the analysis of data it was found that the Basketball players of non technical universities had better speed ability than Basketball players of technical universities of Haryana.

Keywords: Speed ability, basketball players, technical, non-technical universities of Haryana

Introduction

To win a medal in the Olympics or to clinch world cup championship is not an easy task in the tough globalized world of sports competitions. A long term plan is required to achieve this target. Coaches, sports scientists and associates those who are concerned with the development of sports must pick up talented children at an early age in order to train them in long term planning for optimum results. This is a very challenging task to the physical educationist, coaches, and sports scientists to find out the methods for the selection of potential sportsman at very early age (Brar, 1991) [2].

The poor performance of sportsmen at the higher competitions, not only concern especially to the coaches, trainer Physical educationists and sports scientists, but it is also concerned directly to the player's inborn quality. Numerous factors, like skill abilities, motor abilities, psychological factors, social and environmental factors etc. are responsible as the performance limiting factors behind the sportsman on the marks of poor performance in competition. Natural ability is essential, but it needs to be combined with hard work, good coaching and challenging match experience. It is very difficult to define ability and to measure.

Speed is the performance prerequisite to do motor actions under given conditions (Movement task, external factors, individual prerequisites) in minimum of time. It can be also defined as the capacity of moving a limb or part of the body's lever system or the whole body with the greatest possible velocity (Singh, 1991).

In present study an attempt has been made to compare the speed ability between Basketball players of technical and non-technical universities of Haryana. To achieve this purpose of present study following methodology and procedure was adopted by the researcher.

Methodology and Procedure

To achieve the purpose of present study, the data was collected from three technical and three non technical universities of Haryana. Total forty eight (N=48) Basketball players were selected as subjects from these technical and non technical universities in equal proportion. To check the speed ability of Basketball players, 50 yards Dash Run (AAHPER-YFT) was used as data collection tool. After the collection of relevant data, to know the difference between speed ability of Basketball players, unpaired t-test was employed on mean values with the help of

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Statistical Package for the Social Sciences (SPSS) 17.0. The level of significance was set at 0.05 percent ($p < 0.5$).

Data Analysis and Results of the Study

Table 1: Comparison of Mean and SD Values of Speed Ability between Basketball Players of Technical and Non-Technical Universities of Haryana

	Mean	S.D	t value
Technical Universities	8.273	0.708	6.261*
Non- Technical Universities	7.145	0.525	

* $t_{.05} (46) = 2.01$

Table & figure 1 illustrate that the Mean and SD values of Speed of Technical and Non- Technical Universities male Basketball Players were 8.273 ± 0.708 and 7.145 ± 0.525

respectively. The obtained “t” value 6.261 (2.013) was found statistically significant at .05 level of significance.

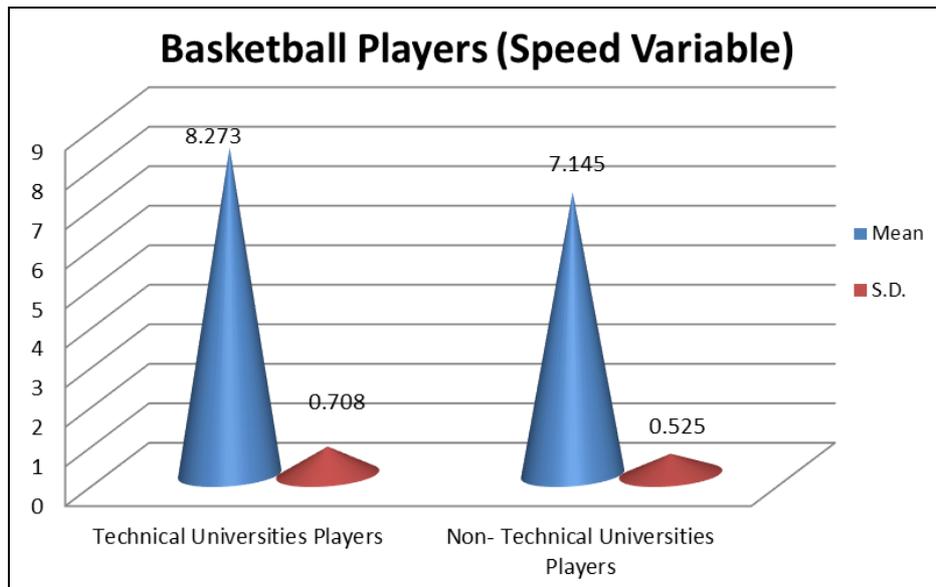


Fig 1: Comparison of Mean and SD Values of Speed Ability between Basketball Players of Technical and Non-Technical Universities of Haryana

Conclusion of the Study

After the analysis of data, it was concluded that the Basketball players of non-technical universities had better speed ability than Basketball players of technical universities of Haryana.

Reference

1. Aahper. Youth Fitness Test Manual American Alliance for Health Physical Education and Recreation Washington, D.C, USA, 1958.
2. Brar DK. Development of a model for talent search in selected sports based on motor physiologic and structural factors. Unpublished Doctoral Thesis, Jiwaji University, Gwalior, India, 1991, 3-4.
3. Das P, Mishra P. The relationship between skill and fitness of rural soccer players of West Bengal. International Journal of Multidisciplinary Research and Development. 2015; 2(5):409-411.
4. Fleishman AA. The structure and measurement of physical fitness. Englewood cliffs: N.J. Prentice Hall Inc. 1964, 133.
5. Frank FD. Soccer Illustrated New York: A.S. Berner and Company. 1955, 15-17.
6. Frybort P, Kokstejn J, Musalek M, Suss V. Does Physical Loading Affect The Speed and Accuracy of Tactical Decision-Making in Elite Junior Soccer Players? Journal of Sports Science and Medicine. 2016; 15(2):320-326.
7. Kerr AB. Relationship between Speed of Reaction time and movement in knee extension movement. Research Quarterly. 1966; 37:55-56.

8. Khetmalis, Mahesh S. Comparison between Selected Coordinative Abilities and Motor Abilities of Female Athletes of Selected International Schools in Pune. International Journal of Research Pedagogy and Technology in Education and Movement Sciences. 2012; 01(02):01-13.