

Impact of ICT training on achievement motivation of national sportspersons

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Abstract

A research study was conducted to know about the impact of information communication technology on achievement motivation of sportspersons. The population of this study was taken from different coaching centers and stadiums at Delhi and Patiala. Total 100 respondents selected from within the population through convenient or available sampling technique. For the purpose of collection of data a structured questionnaire on four point Likert scale, ranging from strongly disagrees to strongly agree, was prepared and handed over to 100 respondents with the help of teachers and coaches in physical education of concerned centers.

Keywords: national sportspersons, achievement motivation, ICT

Introduction

Today, while ranking the competitiveness and wellbeing of any nation at international level in various economic, social, educational and other parameters, sports performance of that country also makes a huge contribution in its overall performance. Therefore, being a sports super power in global order is what we Indians aspire for.

In order to compete with advance sports countries, we try to do all possible things to improve the performance of our Indian sports persons. We bring changes in our training methods, schedules and take help of various training and teaching aids to improve the sports performance.

The use of technology in sports is growing rapidly. In football, for instance, new devices are used for different reasons such as to help referees in decision-making and to quantify the athlete's performance during a game, thus helping the coach to set the training program and the game strategy.

Research Methodology and Data analysis

To achieve the purpose of this study, 100 national sportspersons were selected at random. The age of the subjects ranged between 21 to 35 years. The selected subjects were divided into experimental groups with 100 subjects in each (n=100). Research were taken pre data before starting the Information communication technology training on selected variables namely motivation and after completed the Information communication technology training post data were taken on same variables. The data pertaining to the variables in this study were statistically examined by using t-test analysis of covariance for each variable separately,

whenever 't' value of pre-test and post-test was found to be significant. The level of significance was fixed at 0.05. The effect of independent variables on selected dependent variable was determined through the collected data by using appropriate statistical techniques and results are presented below.

Descriptive Statistics of Achievement motivation of Sportspersons

The analysis of covariance on the data obtained for achievement motivation of pre-test and post-test of national sportspersons have been presented in table 4.1

Table 1: Descriptive statistics of the data measured in the pre and post testing Achievement motivation

Group	Test type	N	Mean	S.D.	S.E.D.
Sportspersons group	Pre-test	100	167.11	19.73	3.60
	Post-test	100	178.35	15.76	2.88

Table no. 1 indicates the values of descriptive statistics of the experimental Groups (sportspersons) for achievement motivation variable which shows that the pre-mean and pre-S.D. values of sportspersons achievement motivation were found to be 167.11±19.73 such as post-mean and post-S.D. values of sportspersons achievement motivation were found to be 178.35±15.76. Above table also indicates the pre-S.E.D values of sportspersons achievement motivation were found to be 3.60 and post-S.E.D values of sportspersons achievement motivation were found to be 2.88.

Table 2: Paired t-test description of sportspersons pre and post value of achievement Motivation

Groups	Paired Group	Mean Difference	S.D.	S.E.D	df	t-value	Sig. (2-tailed)
Sportspersons	Pre Weight- Post Weight	11.24	6.55	2.29	99	2.68*	0.01

Sportspersons- (p<.05) *Significant at 0.05 level of confidence.

Table 2 indicates the pre achievement Motivation and post achievement Motivation paired t-test values of sportspersons. The sportspersons group pre- achievement Motivation and post- achievement Motivation paired mean difference, S.D., S.E.D and t-values were found to be 11.24, 6.55, 2.29, and 2.68 respectively. As shown in the table ($p < .05$) post-

achievement Motivation values of sportspersons group were significantly greater than the pre- achievement Motivation values of sportspersons group. Hence the null hypothesis is rejected and there was significant effect of ICT training on achievement motivation of sportspersons.

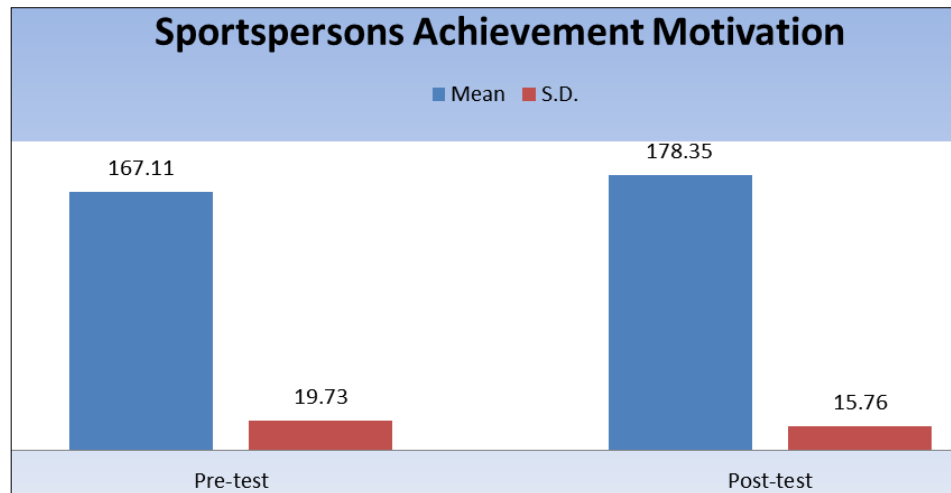


Fig 1: Graphical representation of pre-test and post-test value of Sportspersons Achievement motivation

Conclusion

ICT training is significantly affected of achievement motivation variable showed the positive aspect for the sportspersons. Impact of information communication technology on Indian sportspersons are positive and the recent time they grow very well through the information communication technology.

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