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## Comparative study of depth perception level between cricket and hockey players

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### Abstract

The present study was designed with a main objective to compare depth perception level of cricket and hockey players. Total twenty male (10-Hockey and 10-Cricket) players from Shiksha Bharti Vidya Niketan Kalayat, Haryana were selected randomly as sample for present study. Me Digraph Depth Perception Tester was the best suited tool for the present study and was used to measure the depth perception of sample. To collect relevant data total two trials were given to every individual. Lowest score from two trials was considered for final evaluation of depth perception level. To compare the depth perception level of hockey and cricket players; mean, standard deviation and t-test was employed with the help of statistical package of SPSS. To test the hypothesis the significance level was set at 0.05 percent. It was observed that there was an insignificant difference between cricketer and hockey players of Shiksha Bharti Vidya Niketan Kalayat, Haryana for their depth perception level.

**Keywords:** Depth perception level, cricket, hockey players

### Introduction

Depth perception emerges from assortment of depth signals. Binocular prompt - vision in which the two eyes are utilized together. Monocular signal - vision in which each eye is utilized independently. By utilizing the eyes along these lines, as contradicted by binocular vision, the field of view is expanded, while depth perception is restricted. The consequence of a debilitation that might be physical, mental, formative, or some blend of these. An inability might be available from birth, or happen amid a man's lifetime.

In the present study, an effort was made to look into the one such human performance factor, the depth perception of Cricket and Hockey players.

### Methodology and procedure

The present study was designed with a main objective to compare depth perception level of cricket and hockey players of Shiksha Bharti Vidya Niketan Kalayat, Haryana. Total twenty male (10-Hockey and 10-Cricket) players from Shiksha Bharti Vidya Niketan Kalayat, Haryana were selected randomly as sample for present study. Me Digraph Depth Perception Tester was the best suited tool for the present study and was used to measure the depth perception of sample.

**Test Administration:** To collect relevant data total two trials were given to every individual. Lowest score from two trials was considered for final evaluation of depth perception level.

### Statistical Analysis

To compare the depth perception level of hockey and cricket players; mean, standard deviation and t-test was employed with the help of statistical package of SPSS. To test the hypothesis the significance level was set at 0.05 percent.

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**Table 1:** Compression of Depth Perception level between Cricket and Hockey players

Sr. no.	Subject	Mean	S.D	DF	t-value
1	Cricket	2.5	4.31	18	<b>1.59</b>
2	Hockey	8.3	10.19	18	

$t_{0.05}(18) = 2.10$

The calculated t-value (1.59) is less than tabulated t-value (2.10) at 0.05 level. So it indicates that there has been an insignificant difference in depth perception level between cricketer and hockey players of Shiksha Bharti Vidya Niketan Kalayat, Haryana.

### Discussion of findings

The obtained result established that there was an insignificant differences between depth perception between cricketer and hockey players of Shiksha Bharti Vidya Niketan Kalayat, Haryana. On the source of examination of the data, researcher found that the earlier study of Deshaies and Pargman (1977) supported the present study.

### Conclusions

It was observed that there was an insignificant difference between cricketer and hockey players of Shiksha Bharti Vidya Niketan Kalayat, Haryana for their depth perception level.

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