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RELATIONSHIP OF SELECTED ANTHROPOMETRICAL MEASUREMENTS WITH GAME PERFORMANCE OF INTERCOLLEGIATE MEN CRICKET PLAYERS

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ABSTRACT

This investigation inspected the connection between amusement execution and chose anthropometrical estimations of Cricket players who have spoken to intercollegiate dimension, their age went from 18-25 years. The subjects were taken from Degree Colleges examining in Bachelor Degrees in B.A., B.Sc. also, B.Com. subsidiary to Gulbarga University as it were. The anthropometrical estimations were standing stature (cms), body weight (kgs), a safe distance, leg length and arm range (cms) were chosen. The ten point rating scale was utilized to evaluate the amusement execution of Cricket players amid diversion circumstances. Information in the three abilities in particular batting, rocking the bowling alley and wicket keeping were evaluated on a scale from one to ten. The rating of the players was finished by three experienced and surely understood judges according to the rating scale amid match circumstances. The measurable apparatus utilized was Karl Pearson Product Moment Coefficient of Correlation. There exists a positive relationship between's diversion execution with standing stature ('r'=0.398; P<0.01); body weight ('r'=0.258; P<0.01), a safe distance ('r'=0.342; P<0.01), leg length ('r'=0.335; P<0.01)and arm range ('r'=0.469; P<0.01). It was inferred that there is a need to enhance the anthropometrical qualities to upgrade the amusement execution of the Cricket players.

KEYWORDS: *Relationship, Anthropometrical, Game Performance, Cricket.*

INTRODUCTION

The players are producing and spurning new records in the present focused games. The expectation of games is fast suited with each field. The dimension of physical wellness is expanding everyday in view of improvement of science and innovation. Today cricket is by all accounts a virtual life saver of numerous federation countries. Cricket is a diversion in which each group needs to bowl and bat as per certain standards and controls. A group which scores high number of runs will be the victor. Cricket is played in numerous structures, for example, Test coordinate, One day International match and so forth. The execution of cricketers is upgrading step by step, old records are broken and new records are framing; scores are achieving new statures, it is because of high force preparing of the players which assist them with performing admirably.

Today is the advanced aggressive cricket period. Each cricketer is in race to exceed expectations others, and cricket rivalries have turned out to be principal method of human articulations as they are one of the vital capacities by which national and global acknowledgment and renown is picked up.

Anthropometry has been utilized to assess net structure and capacity. There are various elements, which are in charge of the execution of a sportsman. The constitution and body piece, including the size, shape and frame are known to assume a huge job in such manner. At present, sportsman for prevalent execution in any games is chosen based on physical structure and body estimate. In various playing positions, for example, knocking down some pins, handling and batting, a lot of solidarity of the back

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muscles is required. Mechanical components assume a vital job in the etiology of degenerative procedures and wounds to the lumbar spine. Particularly in quick knocking down some pins, where a player must assimilate vertical and level segments of the ground response constrain that are roughly five and multiple times body weight at front-foot and back foot affect individually, in this way, evaluation of back quality is fundamental (Elliott, 2000). The most extreme limit of the back muscles must be known and along these lines muscle continuance, if appraisals are to be made of muscle weariness amid playing conditions (Mannion et al., 1999). Extend (1987) detailed that commonplace and global cricketers had a tall, athletic worked, with positive morphological contrasts existing between batsmen, bowlers and all-rounders. Some past examinations demonstrates the significance of anthropometric attributes for various sportsmen are given as under.

In Indian setting, some writing is accessible (Kumar et al., 2007; Koley and Yadav, 2009; Koley et al., 2009). Kumar et al. (2007) announced the distinctions in some anthropometric attributes between the regions of Punjab and Uttar Pradesh. Stuelcken et al. (2007) examined the anthropometric attributes of first class cricket quick bowlers of Australia considering 7 skinfolds, 7 lengths, 6 breadths and 11 sizes estimations and presumed that the male bowlers had bigger length, broadness, and size estimations than their female partners. Kumar and Venkatesh (2014) contrasted the connection among anthropometric and execution of select cricket players. Results uncovered that execution was directly and fundamentally identified with anthropometric factors, for example, Height, Weight, Arm length, Leg length and Arm range and furthermore discovered weight was the real indicator of the cricket execution. Abhay Singh; Amit Kumar Singh and Harishankersingh (2015) attempted to discover the prescient anthropometric factors which contribute towards quick rocking the bowling alley in cricket. It was discovered that rocking the bowling alley execution of a quick bowler was found exceptionally corresponded to tallness (0.4241), Forearm length (0.4573), Wrist Circumference (0.4753) and Shoulder width (0.4464), though it was found fundamentally related to Leg length (0.2983) and Ponderal record (0.2974). UlHaq et al. (2016) examined on the anthropometric attributes of Pakistan U-19 and Malaysian U-19 cricket players. Results demonstrated that Pakistan under-19 cricketers were taller, heavier, longer and more extensive segmental lengths than Malaysian. It was anticipated, Pakistani under-19 players were prevalent in body sections. The more drawn out and more extensive anthropometric qualities give biomechanical favorable circumstances to Pakistan under-19 players accordingly they performed superior to Malaysian under-19 players. Singh and Singh (Jan., 2017) discovered the relationship of Running between the wickets execution of the Cricket players with chose Anthropometric Variables and found that there are noteworthy connections of running between the wickets execution with chose anthropometric factors Height, Arm Length. Saxena and Tiwari (Jan., 2017) discovered relationship of anthropometric estimations to playing capacity of tennis players. The measurable discoveries of the present investigation uncovered that the chose anthropometric factors are not fundamentally identified with tennis playing capacity.

Anthropometry estimations assume an essential job in execution in different Sports and Games. Each game has its particular prerequisite to perform better in it. Consequently, in the present investigation is proposed to know the relationship of anthropometric estimations and amusement execution of Cricket players.

POINTS AND OBJECTIVES OF THE STUDY
The point of the present investigation is to inspect the relationship of anthropometrical estimations with diversion execution of Cricket players.

MATERIAL AND METHODS
Research Method : Descriptive Survey Method
Test: The present examination was done on hundred male Cricket players who have spoken to intercollegiate dimension, their age went from 18-25 years. The subjects were taken from Degree

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universities contemplating Bachelor Degree in B.A., B.Sc. also, B.Com stream coming partnered to Gulbarga University.

Factors chosen: The anthropometrical estimations were standing tallness (cms), body weight (kgs), a safe distance, leg length and arm range (cms) were chosen. The ten point rating scale was utilized to evaluate the diversion exhibitions of Cricket players amid amusement circumstances, for example, Bating, Bowling and Wicket Keeping. The rating of the players was finished by three experienced and surely understood judges according to the rating scale amid match circumstances.

Factual Analysis: Pearson's Coefficient of Correlation was connected to build up the relationship among the factors estimated. Information were broke down utilizing SPSS (Statistical Package for Social Science) rendition 24.00 and MS Excel at 0.05 and 0.01 dimension of certainty was utilized to show factual hugeness.

DISCOURSE OF RESULTS:

From the examination, it was discovered that body weight, standing stature, a safe distance, leg length and arm range are associated with amusement execution of Cricket players. Cricket is a session of continuance and it is played consistently. The comparative outcomes agreed with past examinations directed by Kumar and Venkatesh (2014); Abhay Singh; Amit Kumar Singh and Harishankersingh (2015); Singh and Singh (Jan., 2017) and Saxena and Tiwari (Jan, 2017). Along these lines, request of physical wellness of the players is the major and it is settled that anthropometric investigation has indicated ideal execution seems to have distinct physical necessities. The information displayed in the present examination convey immense pragmatic application and ought to be valuable in future examination on player determination and preparing program advancement.

CONCLUSION:

Based on the outcome as appeared in the above tables and exchange of results, it was inferred that Game execution of Cricket player can be performed in the most ideal way if the players have anthropometric parameters like standing stature, body weight, a safe distance, leg length and arm range.

REFERENCE:

1. Dizon, E. (1996). Faces from Maitum: The archaeological excavation of Ayub Cave. Manila: National Museum of the Philippines. pp. xi–xii, 51–53, 56–59, 73, 78–82.
2. Espejo, E. (November 4, 2008). "Maitum jar: The other casualty of the war in Mindanao".
3. Gatbonton, E. (n.d.). Introduction. Fire in the hearth: Overview of prehistoric Philippine pottery with reference to burial jars. Manila: National Museum of the Philippines. pp. 1, 14.
4. Pineda, S. (October 14, 2012). "The treasures of Maitum, Sarangani".

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