ABSTRACT

With the improvement in sports participation in the recent years, the performance standard has also increased, which led to the sports scientists to think on the various possible ways to further improve the performance. In competition difference between the winner and the loser can be a matter of not more than a few centimeters or a fraction of second. Therefore, at all levels sports scientists tries to “leave nothing to chance”. However sports performance depends on many factors. The percentage contribution of various performance factors are complex combination, which depending upon the nature of activity.

Statement of the problem

The problem under investigation is stated as under “Prediction of anthropometric measurements and physical fitness components to the performance of women cricket players”.

Delimitations of the study

1. The study will be delimited to female cricket players in the age group of 18 to 25 years.
2. The study will be delimited to those players who have secured at least 3rd Position in inter college or state level competition or have participation all India inter university cricket competition.

Significance of the study

The present study will equip the coaches to select the cricket player by predict their performance. The results of this pioneer study is expected to be very useful for the general population coaches, physical education teachers, sportsperson and sports scientists, for the selection of players. The aim of the study will be to develop predication procedures to select of women cricket players at inter college, state and all India inter university level. The results in addition to their educational significance, will also prove helpful for the women cricket players. The present study will be help the coaches to select the individual according to their playing categories. The results of study help to find out study
relationship of anthropometric measurements variables and physical fitness variables with performance variables.

**Methodology**

Methodology is an important aspect in research and attempt has been made to explain the methodology of study. The sample of the study, kinanthropometric variables, physical fitness and playing abilities of cricket players, tools used in study and statistical operation will be explained in methodology.

**Sample of the study**

Sample of the study will be consist of 200 women cricket players during the session 2008-2009.

**Selection of variables**

In consultation with the experts in the field minutely gleaning through the literature available and considering the feasibility criteria in mind, especially the availability of equipment and time factor, the following independent and dependent variables seem to contribute to the performance of women college level cricket players were selected as variables for the study.

1. Kinanthropometric Measure
2. Physical fitness components
3. Playing ability of cricket

**A. Independent variables**

1. Kinanthropometric measures  
2. Physical fitness

**B. Dependent variables**

1. Playing abilities of cricket players