CHAPTETR - III
PROCEDURE

In this chapter, the detailed procedure adopted to accomplish the aim of present study has been described. The design of the study, sampling technique, data collection tools, procedure for analysis and interpretation have been described in detail.

DESIGN OF THE STUDY

A survey type approach has been adopted to examine the sports facilities and physical education programmes in the universities of Punjab state.

Sampling technique

Convenient sampling technique was employed to collect the required information from the physical education personnel and players. The subjects who were directly related with the sports had been included in the study. The subjects were further classified into two categories:

I. Physical Education and Sports Personnel - Physical education and sports personnel i.e. Director Physical Education, Assistant Director Physical Education, Assistant Professor, Associate Professor, Physical Instructor, in charge sports and Coaches belonging to the selected universities had been selected for the present study. Twenty one physical education and sports personnel from the selected universities were included in the sample.

II. Players: - The players who were studying in the selected universities and represented their universities in the inter-university competitions had been included in the data. Two hundred ten players from the selected universities were included in the sample.
TOOLS

Questionnaire

A modified questionnaire developed by Prasad (1993) had been used for the collection of the data from the physical education and sports personnel and players. To make this questionnaire more suitable for the present study, some modifications were made in it using the following procedure:

**Purpose of the questionnaire**

The study was undertaken to assess the present status of sports facilities and physical education programmes in the selected universities. Suitable questionnaire was a requisite tool to collect the relevant information from the targeted population to fulfil the objectives of the study.

**Contents of the questionnaire**

The contents of the questionnaire were studied and listed carefully. The following contents were included in the questionnaire.


**Selection of questions/items**

Utmost care was taken to add some new questions keeping in mind the objectives of the study ensuring maximum, worthwhile and
meaningful response from the selected subjects. Items of the questionnaire were framed on the basis of above said contents to get relevant and precise information from the respondents. Closed ended items were framed to get the required information. The items were framed in such a way as to make them unambiguous, clear and precise.

Each item of the questionnaire was to be responded in the following terms:

1. Fully satisfied, satisfied, neutral, dissatisfied, fully dissatisfied.
2. Good, fair, poor.
3. Free of cost, half cost, return basis, not provided.
4. Superior, above average, average, below average, inferior.
5. Most regular, regular, not regular.
6. To great extent, to some extent, not at all.
7. Fully agree, agree, undecided, disagree, fully disagree.
8. Up to the mark, not up to the mark, not at all.

Experts’ recommendations

The modified questionnaire was sent to the experts for further suggestions. Basic to the validity of a questionnaire are the right questions phrased in the least ambiguous way (John W. Best, 1982). The experts’ help was also sought to verify whether the selected items represented the content of the study completely. The ambiguous and irrelevant questions were removed and more relevant questions were included and content validity of the questionnaire was established. Clear and precise words were used so that the questions would give the same meaning to all the respondents to make the questionnaire more effective and reliable. With the recommendations and suggestions from the experts the present questionnaire was modified accordingly.
Pilot study

Before the questionnaire was ready for administering on the selected population it was tested under field conditions. Any difficulty faced by the respondents during trial run to understand the questionnaire was noted down. It was also ensured whether the questionnaire would be able to obtain the required information. The felt shortcomings were removed and the questionnaire was finalized to administer in actual conditions. An introductory note was prepared in order to acquaint the respondents with the purpose of the present study. Finally a questionnaire consisting of 23 items was prepared. A copy of the final draft of the questionnaire has been given in the Appendix - I

Collection of data

The researcher telephonically contacted the physical education and sports personnel of respective institute to get appointment. After receiving the confirmation regarding the availability of the respondents the researcher personally visited the selected institutes. The questionnaires were distributed to the respondents and brief introductory explanation was also given regarding the purpose of the study to make them comfortable for giving free and frank responses. The respondents were given assurance that the information given by them would be kept confidential and used for the research purpose only. The marked questionnaires were collected at the same time.

Statistical treatment

The responses of the physical education and sports personnel and players were collected on five-point and three-point scales. Item wise
frequencies were converted into percentage for the analysis. Further, the data were interpreted through tables and figures. Chi square analysis was applied to check the significance of differences in the opinion of the respondents regarding various questions included in the questionnaire.