CHAPTER-III

METHODOLOGY

In this chapter, the followings are discussed.

- Design of the study
- Selection of the subjects for primary and secondary sources
- Construction of questionnaire and rating scale
- Reliability of the interview
- Tools for collection of data
- Methods employed to collect data
- Methods for analysing data

3.1 Design of the study:

To investigate the role and contribution of Vaishali Phadtare towards the promotion of volleyball, and physical education and sports in the Maharashtra and country of India. A case study has been designed in which biographical, analysis based on the survey were utilized to collect the relevant data. The collected data has been analyzed based on the information furnished.

The study was purely descriptive cum analytical in nature which was based on the survey method. The house held schedule methods along with interview techniques were adapted to employ the questionaries, and thus the investigator gathered the necessary information.

3.2 Selection of subject:

Selection of subject for primary source:

Vaishali Phadtare was selected as the subject for the primary source. Selection of subject for secondary source: Vaishali Phadtare’s family members, Volleyball
Players, Friends, students, coaches and officials were selected as the subjects for the secondary source.

3.3.1 Construction of Questionnaire:

The development of questionnaire passed through the following phase:

- **Pre-pilot study:**

  The phase pre-pilot study was concerned with gathering of statements consisting of various dimensions. The pooling of the preliminary statements was done through extensive review of literature such as thesis, books, journals and magazines, besides formal and informal discussions. It screened the ambiguous, confusing and lengthy statements by elimination. Both positive and negative statements were included for the sake of obtaining reliable data.

- **Pilot-study - Jury opinion.**

  The second pilot study — jury opinion, consist of authoritative opinions. The collected statements were sent to the supervisor, experts in physical education, education and psychology with a request to offer their considered opinion regarding the stability, relevance and clarity. The expert’s opinions of the Jury were taken into consideration and based on remarks and suggestions offered by them, the statements of questionnaire were selected.

  After the selection of the statements, the collection was scrutinized to remove the long confusing and ambiguous statements. This was with a purpose to clarify the criteria of the statement and their inclusion in the questionnaire. The following criteria were led for the inclusion of statements in this method.

  - The language of the statement has been clear, clean and direct.
  - The statements have been irrelevant and pertinent to the study.
3.3.2 Construction of rating scale:

Opinion rating scale on Vaishali Phadtare was constructed with the help of the experts. Eighty out of hundred statements were selected based on pilot study. Statements were finalized as twenty (20) statements for all the four dimensions namely:

a. Vaishali Phadtare as a player
b. Vaishali Phadtare as a coach
c. Vaishali Phadtare personality
d. Vaishali Phadtare as scholar.

It was decided to use likert scale having four options. Undecided option was removed. Likert scale was found helpful in estimating the strength of feelings. Likert scale contained four responses as Agree, Strongly Agree, Disagree and Strongly Disagree. Finally, the total numbers of responses were received and the interpretation was done accordingly.

The respondents chosen for the study of Vaishali Phadtare have been her relatives, Volleyball Players, Friends, students, coaches and officials.

3.4 Reliability of the interview:

The purpose of the study was explained to Vaishali Phadtare who agreed to give accurate and reliable information. As this was a novel piece of research work, Vaishali Phadtare voluntarily accepted to give information, that was highly truthful and to the best of her knowledge. The information that I would be giving in the form of answers to the questions is true to the best of my knowledge.”

Her sister and Brother in law showed keen interest in the schedule, as they very well understood the purpose of the study. The following views they expressed show that all the family members have high regards or Vaishali Phadtare, and
appreciated her work and performance. Moreover, to maintain the reliability and truthfulness, the investigator asked the similar questions by different sentence after a gap of time to the respondent. Hence, it could be assumed that the information sought and collected through the interview is reliable.

3.5 Tools for collection of data:

3.5.1 Primary Sources:

Primary sources are eyewitness accounts. They are reported by an actual observer or participant in an event.

- Interview of Vaishali Phadtare
- Psychology test
- Questionnaire
- Official records
- Personal records
- Pictorial records

3.5.2 Secondary Sources:

Secondary Sources are accounts of an event not actually witnessed by the researcher. The researcher may have talked with an actual observer or read an account by an observer, but his or her testimony is not that of an actual participant or observer.

- Published material
- Interview with family members of Vaishali Phadtare
- Unpublished materials
- Opinionnaire

3.6 Methods employed for the collection of the data:

3.6.1 Primary Sources:

▶ Interview Technique:

The investigator personally contacted Vaishali Phadtare for the interview and conducted it with well-prepared questionnaire. It has the obvious advantage of ensuring a greater response. The focus of the interview was mainly around family history, environment influence, childhood, education and career, training, personality, contribution, honors, awards and view on International and National medal of volley ball.

▶ Preparation prior to interview:

The respondent was told in advance, regarding how long the interview would be expected to last. The questioning was performed in such a manner as not to introduce any aspect of bias. The actual wordings of the responses were retained.

▶ Interview Schedule:

The investigator held the scheduled interview with Vaishali Phadtare on 12 May 2015 at her home, Pune, Maharashtra with the consent from the respondent. It was decided that the interview conversation to be taken by the help of questionnaire. The presence of a questionnaire recorder is unlikely to affect the freedom of either the interviewer or interviewee.

The interview schedule envisaged collecting information on the following areas.

▶ Vaishali Phadtare personal information:
▶ Birthplace
▶ Childhood
▶ Education
▶ Financial
Personal condition

Information about her family, friends, and society.

Vaishali Phadtare sporting career:

Her entry in the sports

Growth of her volleyball career

Her Training: Her physical training like physical fitness, methods of training, weight training, personal training, and nutrition

Mental or Psychological training

Participation: Her participation in various level in volleyball

Her role of coach and mentor

Her exposure

Supports from government

Vaishali Phadtare’s Performance and its effect.

Vaishali Phadtare’s awards and incentives.

Vaishali Phadtare’s problems and issues.

Vaishali Phadtare’s contribution in other sports.

Personality test:

Sixteen Personality Factor Test was conducted on Vaishali Phadtare to measure the psychological variables.

The sixteen Personality Factor Questionnaire (16PF) is a comprehensive measure of normal range personality found to be effective in a variety of settings where an in-depth assessment of the whole person is needed.

The 16 Personality Factor Questionnaire (16PF) is an objective test of 16 multidimensional personality attributes arranged in omnibus form. In general, it provides norm references to each of these attribute (the primary scales). Conceptualized and initially developed by Raymond B. Cattell in 1949 as a broad, multi purpose measure of the source traits of individual personality, the
16PF is appropriate for a wide range of multi faceted populations. It provides a global representation of an individual’s coping style, the person’s reactive stance to an ever fluid and transactional environment and that individual’s ability to perceive accurately certain specific environmental requisites for personal behavior. It was a revolutionary concept: measuring the whole of human personality using structure discovered through factor analysis.

Forms A, B, C and D that are subject of this manual are most appropriate for individuals whose educational level is roughly equivalent to that of the normal high school student.

**Age and Sex:**

The Sixteen Personality Factor Questionnaire is designed as an objective personality test for age 16 and above for male and female.

**Procedure:**

The subject was explained about the significance of this research and its scope in short. Subject was given one booklet and one separate answer sheet. All the instructions (Appendix A) regarding the items (Appendix B) and filling the answer sheet (Appendix C) were read aloud to the subject. The subject was asked about any queries she had regarding the questions and its answering. All the queries were answered. The subject was told to start answering. The researcher solved the queries asked by the subject while answering the items. After answering the whole 187 items, the subject was asked to cross check whether all the items were answered properly according to the instruction.

**Scoring:**

The hand scoring method was used, as it is simple and rapid. The stencil was fit over the answer sheet and the visible marks were count through the holes for each factor. Each answer on Form E is scored 0 or 1 point. The total sum of the each factor was entered in the allotted spaces given.
These raw scores were converted into “Sten Scores” by using the Norms for women: general population. The sten scores represent the behaviour of the individual. The psychological variables describe the personality & behavioral characteristics of the individual tested. The description of these personality variables is given in chapter no. IV.

**Official Records:**

To get the first hand information investigator visited school, college and volleyball clubs at volleyball associations where she has learned and practiced the game for a long period.

**Personal record:**

Personal record of Vaishali Phadtare was also investigated such as degree, honors, certificate and desired information / facts that were derived for the purpose of analysis.

**Pictorial Records:**

Various pictorial records of Vaishali Phadtare were investigated. Some of the photographs relevant to different occasions were chosen as documents for this study and inserted in the text body in chapter IV.

**3.6.2 Secondary sources:**

**Published materials:**

Published materials in newspaper, journals, articles and interview responses by Vaishali Phadtare in daily, weeklies and fortnightly magazines were obtained and records of performances in the game of volleyball were searched through the following Newspaper cutting, journals, books, and magazines.

- The Indian Express
The times of India
Sakal
Loksatta
Maharashtra Times
Hindustan Times
The Hindu

Interview with family members of Vaishali Phadtare:

Interview with family members were also conducted especially with her sister Mrs. Parul Bansod and brother in law Mr. Naresh Bansod.

Literary source method:

For gathering information about Vaishali Phadtare the articles, newspaper cutting, reports, unpublished statements, books and journals were also taken into account. The present source is explored as secondary source excluding her own statements and interviews about her life, career and sports.

Opinionnaire:

Survey technique was also used to obtain responses. The respondents chosen for the study of Vaishali Phadtare were her relatives, Volleyball Players, Friends, students, coaches and officials.

To estimate the strength of feeling four points rating scale was used as:

Agree, Strongly Agree, Disagree, and Strongly Disagree.

Information regarding Vaishali Phadtare was collected by the investigator

some relatives, Volleyball Players, Friends, students, coaches and officials from different cities as far as possible, but when the investigator couldn’t reach some personalities he send them mail questionnaires to them. Investigator collected address, phone numbers and email id from Mrs. Parol Bansod and then prepared questionnaire about

- Vaishali Phadtare as a player
- Vaishali Phadtare as a coach
- Vaishali Phadtare’s personality
- Vaishali Phadtare’s as scholar.

Sent it to them by post and email. Most of the persons tick marked the answers and returned the mail to the investigator. From them the investigator got opinions about Vaishali Phadtare and he came to know the complete and true picture of the study.

The questionnaire sent and obtained from the following categories of four groups:

- In the category of Vaishali Phadtare’s relatives were Mrs. Parul Bansod and Mr. Naresh Bansod, (Sister and sister in law), Manoj Phadtare (Brother), Sandip Phadtare (Brother), Dr. Ravi Jadhav (cousin) etc.
- In the category of friends and volleyball players were Miss. Nishya Joseph, Mrs. Yogita Kitkule, Snisha K.S etc. In the category of the students were Priyanka Khedkar, Babita Kacheri, Anila Zacharias and Aleena Zacharias etc.
- In the category of the coach and official were Mr. Dvidas Jadhav, Mr. Aejaz Shaikh, Mr. Ajit Ranade etc. The investigator has sent questionnaire through email to all the above categories people and so from these mail questionnaires, the investigator got a true picture for his study and he analyzed the data afterwards.
3.7 Methods for analysing data:

The data received was mainly analyzed in four main sections:

**Section — I:** This section deals with the entire biography of Vaishali Phadtare like birthplace, childhood, education, financial and personal condition and information about her family, friends, and society. Vaishali Phadtare sporting career. Her training like skill training, physical training, methods of training Mental or psychological training and nutrition. Her participation in various levels in volleyball. Her role of coach and mentor. Her exposure, supports from government Performance and its effect, awards and incentives. Her problems and issues. Her contribution in other sports.

**Section — II:** In this section sixteen-personality factors has been analyzed with manual of 16 PF questionnaire and psychology expert. Accordingly, sixteen personality factors of Vaishali Phadtare’s were analysed in detail.

**Section — III:** This section explained views of family members, volleyball Players, Friends, students, coaches and officials of Vaishali Phadtare on her contribution to field of volleyball game.

**Section — IV:** This section consists of opinion rating survey of Vaishali Phadtare, which mainly covered four dimensions such as:

1. Vaishali Phadtare Personality
2. Vaishali Phadtare as a Player
3. Vaishali Phadtare as a Scholar
4. Vaishali Phadtare as a Coach

The subject responds to each statement in four point rating scale, which was:

1. Agree
2. Strongly Agree
3. Disagree
4. Strongly Disagree

Analysis of the data was done after administering the questionnaire to 15 subjects after ascertaining their willingness to participate in this study. (5 relatives, 4 students, 3 coach and officials, 3 friends and volleyball players.)

Finally, the total numbers of responses received were converted in the terms of percentage and interpretation was done accordingly.