Chapter - III
Methodology

In this chapter, the following points are discussed

• The design of the study
• The selection of the subject for primary and secondary sources
• The construction of questionnaire and rating scale
• Reliability of the interview
• The tools for collection of data
• The methods employed to collect data
• The methods for analyzing data
3.1. The Design of the study:

The study has been designed to investigate the factors responsible for the successful sporting career of Mr. T.P.P. Nair and his contribution towards his performance and achievement in Volleyball for the country of India. A case study has been designed in which historical and 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 questionnaires and thus the investigator gathered the necessary information.

3.2. The Selection of the subject:

The selection of subject for primary source: Mr. T.P.P. Nair was selected as the subject for the primary source.

The selection of subject for secondary source: Mr. T.P.P. Nair’s Family Members, Relatives, Teammates and friends and students were selected as the subjects for the secondary source.
3.3. The Construction of Questionnaire:

The development of questionnaire passed through the following phases.

- **Pre-pilot study:**

  The phase of 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 phase, pilot study – jury opinion, consists 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 opinion 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 or 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 language of the statement has been made easy to understand.

3.4. The Construction of rating scale:

Opinion rating scale on Mr.T.P.P.Nair was constructed with the help of experts for all the four dimension namely:

a. Mr.T.P.P.Nair as a player
b. Mr.T.P.P.Nair as a coach and mentor
c. Mr.T.P.P.Nair as a personality
d. Mr.T.P.P.Nair as a manager and administrator

It was decided to use Likert scale having four options. Undecided option was removed. 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 Mr.T.P.P.Nair have been his family members, Teammates and Friends, and students.

3.5. Reliability of the interview:

The purpose of the study was explained to Mr.T.P.P.Nair who agreed to give accurate and reliable information. As this was novel piece of research work, Mr.T.P.P.Nair voluntarily accepted to give information, that was highly truthful and to the best of his knowledge.

His wife, family members, friends and teammates and students showed keen interest in the schedule, as they very well understood the purpose of the study. The following views they expressed shows that all his well-wishers have regards for Mr.T.P.P.Nair and have appreciated his 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.
3.6. The Tools of collection of data:

3.6.1. Primary Sources:

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

- Interview of Mr. T.P.P. Nair
- Psychology test
- Questionnaire
- Official record (Letter from federation)
- Personal record (Newspaper and Magazines)
- Pictorial records (Photographs)

3.6.2 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.

- Published material
- Interview with family members of Mr. T.P.P. Nair
- Unpublished materials
- Opinionnaire

3.7. Methods Employed for the Collection of the Data:
3.7.1 Primary Sources:

Interview Technique:

The researcher personally contacted Mr.T.P.P.Nair for the interview and conducted it with well – prepared questionnaire. It has the obvious advantage of ensuring 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 Asian games of Mr.T.P.P.Nair.

Preparation prior to interview:

The respondent was told in advance, regarding how long the interview would be expected to last. During the interview the answers of the respondent Mr.T.P.P.Nair was recorded in written form with their actual wordings.

Interview Schedule:

The researcher held the scheduled interview with Mr.T.P.P.Nair on 19th October 2014 at his home, at Mira Road, Thane district with consent from the respondent

The interview schedule envisaged collection of information on the following areas.
Mr. T. P. P. Nair’s personal information:

- Birthplace
- Childhood
- Education
- Financial
- Personal condition
- Information about his family, friends, and society.

Mr. T. P. P. Nair’s sporting career.

- His entry in sports
- Growth of his volleyball career

His Training:

His physical training like physical fitness, methods of training, weight training, personal training, and nutrition.

- Mental or Psychological training
- Participation: His participation in various level
- His role as a coach and mentor
- His exposure
- Support from government
- Mr. T. P. P. Nair’s Performance and its effect.
• Mr.T.P.P.Nair’s awards and incentives
• Mr.T.P.P.Nair’s problems and issues.

**Personality test**

• Sixteen Personality Factor Test was conducted on Mr.T.P.P.Nair 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, multipurpose measure of the source traits of individual personality, the 16PF is appropriate for a wide range of multifaceted population. It provides 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.

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

**Procedure:**

The personality test consists of 164 statement about the subject, for each indicates. How accurate it is on the scale of

1) Strongly disagree

2) Disagree

3) Neither agree nor disagree

4) Agree

5) Strongly Agree

**Scoring :**

The responses of 164 questions which were given to T.P.P.Nair was collected by the researcher and those responses were filled online on the 16 PF test to get the subsequent scores in graphical form which has been shown in chap IV as “PERSONALITY PROFILE OF T.P.P.NAIR”.
Personal Records and Official Records:

Personal and Official records of Mr.T.P.P.Nair were also investigated such as degree, honours, certificates and medals and desired information/facts were derived for the purpose of analysis.

Pictorial Records (Photographs)

Various pictorial Records of Mr.T.P.P.Nair 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.

3.7.2 Secondary sources:

Published materials:

Published materials in newspaper, journal, and articles by Mr.T.P.P.Nairin daily, weekly 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.

Interview with family member of Mr. T. P. P. Nair:

The Interview with the family members of Mr.T.P.P.Nair was also conducted especially with his wife Mrs. Meenakshi Nair, (son)
Mr. Pradeep Nair, (Daughter) Mrs. Pramila Nair, (Daughter in-law) 
Ms. Mini Pradeep Nair, (son in-law) Mr. Sudhir,Meeth (grandson), 
Aditya (grandson).

**Liberty source method:**

In order to gather information about Mr.T.P.P.Nair the articles, 
newspaper cutting, report, unpublished statement, books and journal 
were also taken into accounts. The present source is explored as 
secondary source excluding his own statements and interview about 
his life, career and sports were taken into consideration.

**Opinionative:**

Survey technique was also used to obtain responses. The 
respondents chosen for the study of Mr. T. P. P.Nair were his 
relatives, teammates and friends ,and students.

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

1) Agree

2) Strongly Agree

3) Disagree

4) Strongly Disagree
Information regarding Mr. T.P.P. Nair was collected by the investigator from some relatives, volleyball players, friends and students, even from those residing in different cities. The investigator handed some of the questionnaires to the persons who were from the nearby areas, but when the investigator couldn’t reach some personalities, he sent the questionnaires to them through e-mail’s by collecting their addresses, phone numbers and email id’s from Mr. T.P.P. Nair.

The questionnaire prepared was based on the following points:

a. Mr. T.P.P. Nair as a player
b. Mr. T.P.P. Nair as a coach and mentor
c. Mr. T.P.P. Nair as a personality
d. Mr. T.P.P. Nair as a manager and administrator

The related persons read the questionnaire and tick marked the answers to the best of their knowledge and handed over to the investigator either personally or through post or e-mail. From the questionnaires the investigator got the opinion about Mr. T.P.P. Nair from various persons and he came to know the complete and true picture of the study.
The questionnaires sent and obtained were from the groups of following three categories:

- In the categories of Mr. T.P.P. Nair’s relatives were, Mrs. Meenakshi Nair (wife), Ms. Pramila Nair (daughter), Mr. Pradeep Nair (son), Mr. Sudhir (son in-law), Ms. Mini (daughter in-law), and Meeth (grandson), Aditya (grandson), Ms Mona Nair (granddaughter), Mr. Achuthan Kutty (Brother).

- In the categories of friends and teammates were Mr. Y.I. Sheikh, Mr. Bhatia, Mr. Gopi, Mr. Varghese, Mr. Waraskar, Mr. Sebastian George, Mr. Veerbhodra Regal, Mr. Balamukund, Mr. Mapuskar.

- In the categories of the student was, Mr. Sanjay Naik, Mr. Dinesh Kumar, Mr. Madhavgurjar, Mr. Rajesh Punjabi.

3.8 Methods for analyzing data:

The data received was analyzed in four main sections:

**Section -1**: This section deals with the entire biography of Mr. T.P.P. Nair like birthplace, childhood, education, financial and personal condition and information about his family, friend, and
Mr. T.P.P. Nair’s sporting career. His training like skill training, physical training, methods of training mental or psychological training and nutrition. His participation in various levels in volleyball. His role of coach and mentor. His exposure, supports from government performance its effect, awarded incentive. His problems and issues. His contribution in other sports.

Section-2: In this section sixteen personality factors has been analysed with manual of 16 PF questionnaire and an online test of 16 PF has been taken to get a detailed analysis of the personality factors of Mr. T.P.P. Nair.

Section-3: This section explained the views of family members, volleyball players, friends and students of Mr. T.P.P. Nair for his contribution to field of volleyball game.

Section-4: This section consist of opinion rating survey of Mr. T.P.P. Nair, which mainly covered four dimensions such as:

1. Mr. T.P.P. Nair as a player
2. Mr. T.P.P. Nair as a coach
3. Mr. T.P.P. Nair as a personality
4. Mr. T.P.P. Nair as a manager and administrator
The subject response to each statement in four points rating scale, which was:

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

Analysis of the data was done after administrating the questionnaire to twenty subjects after ascertaining their willingness to participate in these studies (Nine relatives, Seven team mate and friends, four students). Finally, the total numbers of responses received were converted in the terms of percentage and the statistical and graphical representation was done accordingly. The graph was further interpreted to give a clear understanding of the data.