CHAPTER V
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

5.1 SUMMARY

The summary of the research study, the conclusions drawn based on the results and the recommendation for future studies are presented below.

Badminton is a game played with a shuttlecock made of goose feather, in a rectangle shaped marked court with two poles on the sides and a net tied in between. Basically sports activities are based on aerobic and anaerobic system. In that case the game of Badminton is combined sports activity like aerobic and anaerobic and it is an indoor game played with shuttle cock by using racket. It is non body contact sports so the chances of getting injuries are very less and there is a formulated rules and regulations to play Badminton. Technical officials are playing an important role in Badminton profession and they are the bridge of connectivity between the players and updated regulations of the game with at most discipline. First of all the technical official should know the rules and regulations formulated and followed by the governing body. The technical officials are qualified through the association by conducting the technical officials’ course and examination. Even though the technical officials know all the rules and regulations and more experience in the field of officiating, but there is few lacking in their performance, presentation (officiating) due various reasons and influents. This paved the way for the research scholar to assess the reason and influents which hinder the technical officials in decision making.
Since the scholar is a qualified Badminton technical officials and have been officiating for more than 8 years in the international, national and other reputed tournaments. The scholar personally felt that many factors are influencing technical officials while officiating and decision making. The influencing factors may affect the decision making either directly or indirectly. To identify the facts and to record it in an scientific format, the scholar made an attempt to a prediction study.

The study was designed to find out the influential factors on decision making during national Badminton tournament among the technical officials. To achieve the purpose, the investigator divided the research process in to three stages. the method which applied in three stages are Pre research work including construction of Questionnaire, Standardization of Questionnaire and Find out the influential factors on decision making of national level Badminton men technical officials.

In the above three stages the investigator collected, classified and consulted with the guide and experts such as subject expert, field expert, language expert and sports psychology expert regarding the possible influential factors of decision making. From the pooled information and in consultation with the above experts, the scholar identified the following five major influents such as 1. Stress, 2. Players influence, 3. Audience influence, 4. Coaches’ influence and 5. Peer group influence. To assess the above influents a questionnaire was constructed with 20 statements. After the questionnaire construction the investigator applied the constructed questionnaire to 50 national level Badminton men technical officials from various states in India. In the process of standardization the Validity, Reliability and Objectivity of the questionnaire was assessed and proved statistically. Objectivity was established by calculating the relationship between decision making scores (Assessed by previously validated test) & Influential factors scores (Assessed by constructed questionnaire).
Reliability was established by Test& Retest method and by computing with Pearson product moment correlation. Validity was established by calculating the relationship between expert – I assessment (Assessed by previously validated test) and expert – II assessment (Assessed by constructed questionnaire).

5.1.1 LEVEL OF SIGNIFICANCE

Thus the questionnaire was constructed and standardized to asses influential factors on decision making of national level Badminton men technical officials and then the investigator conducted a pilot study by applying the constructed and standardized questionnaire to the 20 national level Badminton men technical officials from various states in India to check the suitability of application of questionnaire in real fielding setting. After the satisfactory implementation of pilot study, the investigator applied the constructed and standardized questionnaire to the 100 national level Badminton men technical officials from various states in India. The collected data were analyzed with suitable statistical technique such as Pearson Product Moment correlation and Wherry Doolittle Multiple regression analysis (Backward Method). In all the cases, 0.05 level of confidence was fixed to test the significance, which was considered as appropriate.

Thus, the obtained equation for decision making of the national level Badminton men technical officials was:

\[ Y^1 = 0.156X_1 + 0.129X_2 + 140.731a \]

Where \( Y^1 \) = the predicted score

\( X_1 \) = Players influence

\( X_2 \) = Coaches influence

\( a \) = 140.731 (constant)
5.2 CONCLUSIONS

Based on the limitation and delimitation of the present research study, it was concluded that:

1. It was concluded that the players influence affect the Decision of the Badminton men technical officials during the national Badminton tournaments.

2. It was concluded that the coaches’ influence affect the Decision of the Badminton men technical officials during the national Badminton tournaments.

3. It was concluded that the chosen variable stress was not statically significant influence in Decision of the Badminton men technical officials during the national Badminton tournaments.

4. Based on the results obtained it was concluded that the audience influence was not having statistical significant influence in Decision of the Badminton men technical officials during the national Badminton tournaments.

5. It was concluded that the peer group influence was not influence the Decision of the Badminton men technical officials during the national Badminton tournaments.


**5.3 RECOMMENDATIONS**

The results of this research work proved that decision making can be successfully predicted through the regression equation obtained. It was recommended that this regression equation may be utilized to predict the decision making of the state level Badminton men technical officials.

The predicted regression equation may be utilized for to select the potential Badminton technical officials for higher level tournaments.

Based on the results and conclusions of the research work, the following recommendations were drawn:

1. It is recommended that the Badminton authorities may design and implement suitable remedial course or training for the technical officials to overcome the influential factors such as players influence and coaches’ influence.

2. It is recommended that the Badminton authorities may conduct workshops for the coaches and the players as well as the officials to discuss the merits and demerits of the tournaments and suitable measures to solve the discussed problem.

3. Periodical refresher courses may be organized to cater the needs of the technical officials and to update the knowledge in Badminton officiating.

4. The budding and novice technical officials can be given exposure to different influents and to offer remedial to overcome the influents.
5.4 SUGGESTIONS FOR FURTHER RESEARCHERS

Based on the results and conclusions of the research work, the following recommendations were drawn:

1. A study may be conducted with more number of predictor variables, so that more meaning full predictor variables may be selected on the regression equation to predict the decision making of national level Badminton technical officials.

2. A study may be conducted with other predictor variables such as instant review system, scoring device, and match control and tournament software. So that more meaning full predictor variables may be selected on the regression equation to predict the recent technological status of national level Badminton technical officials.

3. Suitable questionnaire may be constructed to assess the various influential factors on officiating.

4. Similar study may be conducted by using advanced technological tools.