



## THE COMPARATIVE STUDY OF SPORTS ACHIEVEMENT OF INTER UNIVERSITY PLAYERS OF MAHARASHTRA

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### ABSTRACT

*The main purpose of the study is to determine “The Comparative Study of Sports Achievement of inter university players”. For the present study the source of data was 1485 inter university players of Maharashtra from 11 different games - Basket-Ball, Handball, Football, Volleyball, Cricket, Softball, Hockey, Kho-Kho, Kabaddi, Badminton, Athletics. The age of the subjects was ranging between 18 to 28 years. The researchers used the survey method for fulfilling his research purpose. The researcher used the ‘Self Made Questioner’ for research purpose. The Questioner got filled in the subject by the researcher from the players. The data was tabulated and analysis required the Percentage, ‘t’ value, Mean & Standard Deviation Method for the purpose of interpretation, to determine the significant difference in the mean, about the Sports Achievement of Maharashtra. From the total players 77.51 % players Sports Achievement status is Medium, High & Low Sports Achievement status players percentage serially 11.99% & 10.50% found both is same. From this, it is cleared that, maximum 77.51 % players Sports Achievement shows positive result, hence the hypothesis is accepted.*

**KEY WORDS:** Sports Achievement, Inter University, Players, Comparative Study, games.

### Introduction: -

Researcher is working from many years in physical education. The development of students from school and college level, having the information about the participation of the students in various games, the socio-economic status of players, the effect of positive performance and participation in sports and sports achievement is being studied by the researcher. In India some equipment of the games like cricket, badminton, tennis, archery, shooting are costly and due to the absence of these equipments there is an effect on sports performance. Due to this the performance of the players during practice and training period is poor and thus they have no interest because training during competition. There is an effect in participation of the players in sports because there

is conflict on these issues since last 100 years. Educationist from curriculum game to make this subject fixed .in this research project we need to consider the effect of sports participation in educational achievement. It is observed from the previous research that, the participation in sports has a positive effect on educational achievement, on future study and also on social status. Lack of More care n more motivational achievement helps when there is no competition. A person having high motivational achievement and no care has excellent performance during competition. The motivational achievement of men and womens is different .as per research, while taking physical education, womens have better attitude rather than men .it is observed that the attitude of men players was poor than the women players. The womens which were not

players, they have a better attitude than men players. Also, the Mens which were not players have a better attitude than men players. Due to this it was necessary to have a study of motivational achievement. Therefore, researcher decided to study on this subject.

#### **Research Methodology: -**

In this chapter the Objective of Study, Purpose of the Study, Hypothesis, Source of data, selection of test, and selection of subject and collection of data is described.

#### **Objective of Study: -**

The Objective of present study is: -

- 1) Sports Achievement of Maharashtra players.
- 2) Sports Achievement of Maharashtra Men & Women players.
- 3) Sports Achievement of Maharashtra Urban & Ruler players.
- 4) Sports Achievement of Maharashtra Team Game & Individual Players

**Purpose of the Study: -** The purpose of present study is to determine “The Comparative Study of Sports Achievement of inter university players of Maharashtra”.

**Hypothesis: -** It is hypothesized that,

- 1) Sports Achievement of Maharashtra players will be negative.
- 2) Sports Achievement of Maharashtra Men & Women Players will have no significance difference.
- 3) Sports Achievement of Maharashtra Urban & Ruler Players will have no significance difference.
- 4) Sports Achievement of Maharashtra Team Game & Individual Game Players will have no significance difference.

#### **Source of Data: -**

For the present study the source of data is 1485 inter university players of Maharashtra from 11 different games - Basket-Ball, Handball, Football, Volleyball, Cricket, Softball, Hockey, Kho-Kho, Kabaddi, Badminton, Athletics.

#### **Selection of test: -**

For the purpose of this study, 1485 inter university players of Maharashtra from 11 different games were selected with the help of simple random sampling method. The age of this subject was ranging between 18 to 28 years. The researcher used the “Sports Achievement” self-made Questioner for research purpose. The researcher used the survey method for fulfilling his research purpose. The Questioner got filled in the subject by the researcher from the players.

#### **Selection of the Subject: -**

For the purpose of this study, the data was collected on the basis of 1485 inter university players from different university Maharashtra and were selected with the help of simple random sampling method. The Questioner got filled in the subject by the researcher in the presence of the players.

#### **Collection of Data: -**

The data was collected with the help of Questioner. The data was collected on the basis of 1485 inter university players of Maharashtra from different university and were selected with the help of simple random sampling method. The Questioner got filled in the subject by the researcher in the presence of the players.

#### **Analysis and Interpretation of Data: -**

For the purpose of this study, the researcher collected data on the basis of 1485 inter university players from different university of Maharashtra. The researcher conducted a study to determine the Sports Achievement of the players of Maharashtra. The data was tabulated and analysis required the Percentage, ‘t’ value, Mean & Standard Deviation, Co-relation Method for the purpose of interpretation.

**Table-1**

**The Table Shows Faculty wise Classification of Sports Achievement of Players and their Percentage**

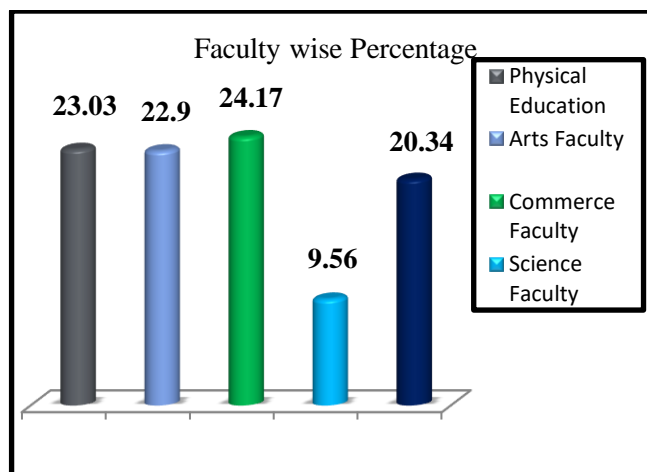
Sr. no.	Faculty	Total Players	Percentage
1.	Physical Education (B.P.E., B.P.Ed., M.P.Ed.)	342	23.03
2.	Arts Faculty (B.A., M.A.)	340	22.90
3.	Commerce Faculty (B.Com. M.Com. M.B.A.)	359	24.17
4.	Science Faculty (B.Sc., M.Sc.)	142	9.56
5.	Technical Education (B.B.A., B.C.A., B.E., M.C.A., M.E.)	302	20.34
	<b>Total</b>	<b>1485</b>	<b>100.00</b>

The above table Shows Faculty wise Clasification of Sports Achievement of selected 1485 Players Percentage. In this table, Physical Education faculty which includes - B.P.E., B.P.Ed., M.P.Ed., Arts faculty which includes -B.A., M.A., Commerce Faculty which includes-B.Com., M.Com., M.B.A., Science Faculty which includes- B.Sc., M.Sc., Technical Education which includes- B.B.A., B.C.A., B.E., M.C.A., M.E. is shown.

The above table obeservation Shows that, the percentage of Commerce Faculty players is maximum which is 20.17%, the percentage of Physical Education faculty is 23.03%, Arts & Technical Education have their percentage - 22.90% & 20.34%. In the last Science faculty has their percentage -9.56%.

It is clear from the above discussion that, the Science faculty percentage is very low, there is not much Significance difference in the percentage of other faculty players.

**The Graph Shows Faculty wise Percentage of Sports Achievement of Players**



**Table-2**

**The Table Shows Players Sports Achievement Status with its percentage**

Sr. no.	Sports Achievement Status	Range	Total Players	Percentage
1.	High Achievement Status	292 & Above•	178	11.99
2.	Medium Achievement Status	232 - 292	1151	77.51
3.	Low Achievement Status	232 & Low	156	10.50
	<b>Total</b>		<b>1485</b>	<b>100.00</b>

The above table Shows Faculty Wise Classification of Sports Achievement status of selected 1485 Players and their respected Percentage. From the total players it is found that - 77.51% players lie in Medium Achievement Status, 11.99% players lie in High Achievement Status & 10.50% players lie in low Achievement Status.

It is clear from the above discussion that, from the total players, the maximum players are in Medium sports Achievement Status. Whereas the percentage of players is found low in High & low Achievement Status.

### The Graph Shows Sports Achievement status of Players with its Percentage

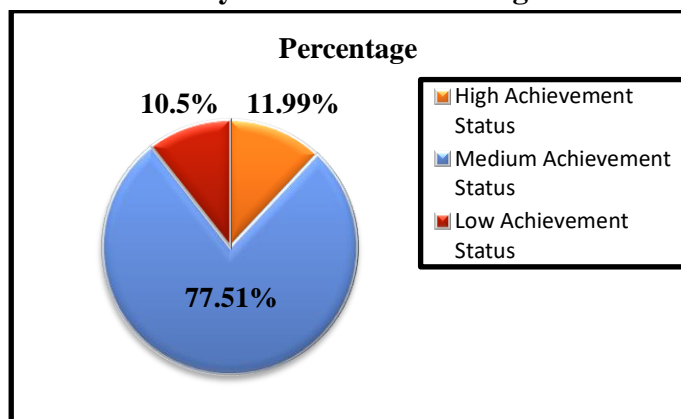


Table-2

### The Table Shows Mean & Standard Deviation of Different Game Players of Maharashtra

Sr. no.	Games	Mean	Standard Deviation
1.	Hockey	269.12	17.6276
2.	Badminton	268.84	23.3578
3.	Handball	266.24	52.9405
4.	Cricket	266.11	23.5751
5.	Foot ball	263.81	24.8420
6.	Athletics	260.84	25.0353
7.	Softball	258.90	24.0779
8.	Kho-Kho	257.98	26.7086
9.	Volley Ball	257.45	26.5326
10.	Kabaddi	256.91	29.8647
11.	Basketball	254.81	36.1562

The above table shows the Mean & Standard Deviation of the total players of Maharashtra. The researcher observed serially that one to five numbers game players are Hockey, Badminton, Handball, Cricket, Football. They have the mean respectively- 269.12, 268.84, 266.24, 266.11 & 263.81. Also, six to eleven number have the mean - 260.84, 258.90, 257.98, 257.45, 256.45 & 254.81 and they belong to the games- Athletics, Softball, Kho-Kho, Volley Ball, Kabaddi, Basketball. Shows players include in observation.

It is clear that, the Hockey players are in the first position and the Basketball players are on the last position, which is according to the table on eleventh number.

It is clear from the above discussion that there is not much difference in the Sports

Achievement but the Sports Achievement status of Kabaddi & Basketball players is comparatively better than Hockey & Badminton players.

### The Graph Shows Mean of Sports Achievement of Different Game Players of Maharashtra

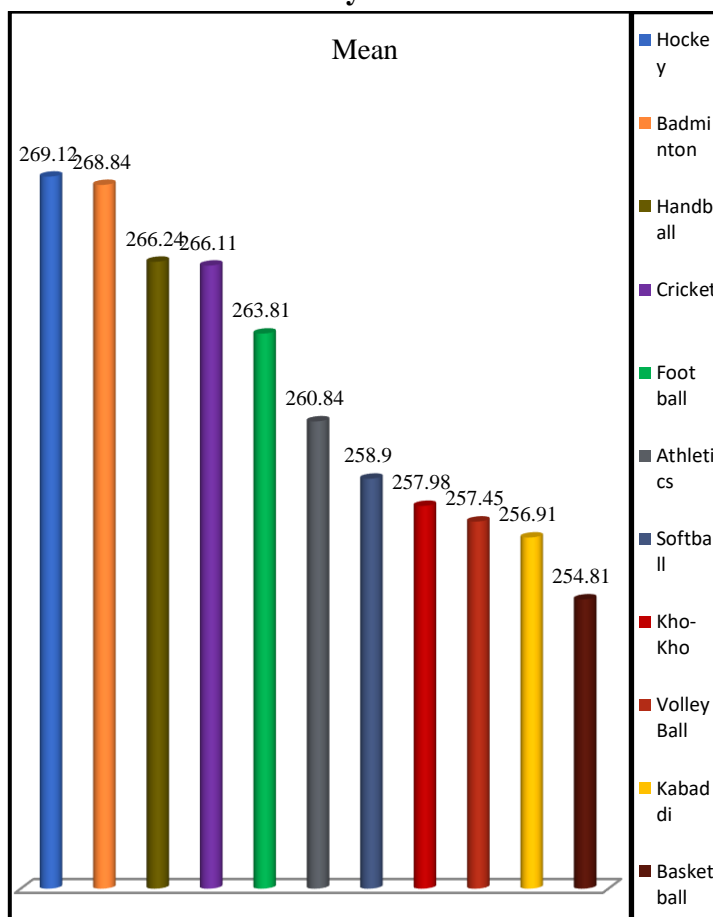


Table-5

### The Table Shows Mean Comparison of Men & Women Players

• Play ers	N	Mea n	Standa rd Deviat ion	Degre e of Freed om	Stand ard Error	't' valu e
Men	773	260.82	28.3009	1483	1.56083	1.454@
Wome n	712	263.09	31.5725			

\*@ Significant at 0.05 level

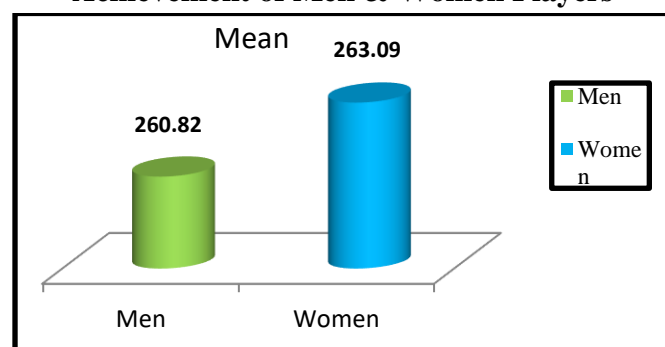
Tabulated 't' value 1.96

The above table shows the Mean Comparison of Sports Achievement of Men & Women Players. The researcher observed that, in the Study of Men & Women Players, the 't' value is 1.454, 1483 is the Degree of freedom and 0.05 is the Significance level and this 't' value is more than the tabulated 't' value which is 1.96 because it is significant.

The mean observation shows the Sports Achievement of men Player with mean 260.82 & Women players have the mean 263.09.

From this, it is cleared that, as per the analysis, Sports Achievement of Men & Women Players found no significant difference and found that both Men & Women players Sports Achievement status is the same.

**The Graph shows Mean Comparison of Sports Achievement of Men & Women Players**



**Table-6**

**The Table Shows Mean Comparison of Sports Achievement of Urban & Rural Players**

Play ers	N	Mea n	Stand ard Deviat ion	Degre e of Freed om	Stand ard Error	t- rati o
Urb an	57 2	261. 09	32.906 0	1483	1.6570 4	0.80 9@
Rur al	91 3	262. 43	27.902 9			

@ Not Significant at 0.05 level

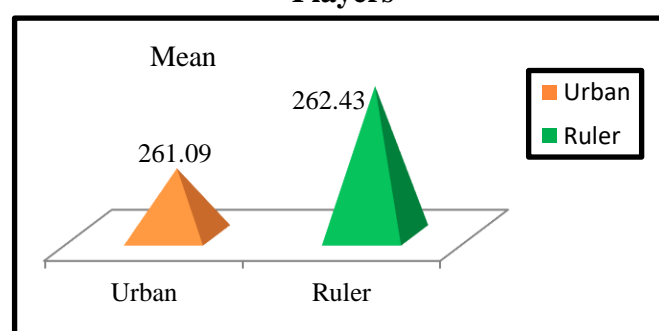
Tabulated 't' value 1.96

The above table shows the mean comparison of Sports Achievement of urban & rural players. The researcher observed from the above table that, in the Study Habits of urban & rural Players, the 't' value is 0.809, 1483 is the Degree of freedom and 0.05 is the Significance level and this 't' value is not more than the tabulated 't' value which is 1.96 because it is not significant.

The mean observation shows the Sports Achievement of urban Players with mean 261.09 & rural players have the mean 262.43.

From this, it is cleared that, as per the analysis, Sports Achievement of urban & rural Players found no significant difference and found that both urban & rural players Sports Achievement status is the same.

**The Graph shows Mean Comparison of Sports Achievement of Urban & Rural Players**



**Table-7**

**The Table Shows Mean Comparison of Sports Achievement of Team Games & Individual Games Players**

• Play ers	N	Me an	Stand ard Devia tion	Degr ee of Free dom	Stand ard Error	t- rati o
Team Game	12 15	261. 26	30.97 45	1483	1.735 53	2.06 3*
Indivi dual Game	27 0	264. 84	24.49 60			

\*@ Significant at 0.05 level

Tabulated 't' value 1.96

The above table shows the Mean

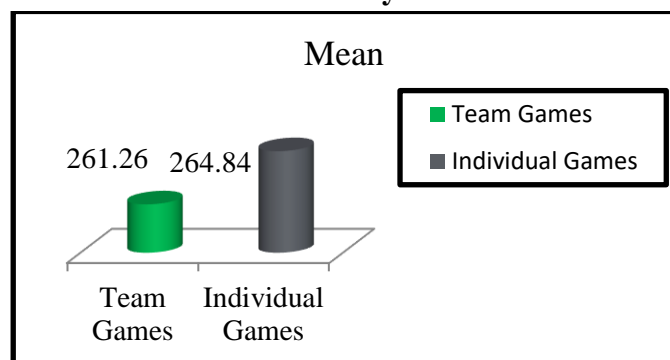


Comparison of Sports Achievement of Team Game & Individual Game Players. From the above table, the researcher observed that, in the Sports Achievement of Team Games & Individual Games Players, the 't' value is 2.063, 1483 is Degree of freedom and 0.05 is the Significance level and this 't' value is more than tabulated 't' value which is 1.96 because it is significant.

The mean observation shows the Sports Achievement of Team Game Players have a mean which is 261.26 & Individual Games players have the mean 264.84.

From this, it is cleared that, as per the analysis, Sports Achievement of Team Game & Individual Game Players found significant difference and Sports Achievement of Team Game players is better than Individual Game players.

**The Graph shows Mean Comparison of Sports Achievement of Team Game & Individual Game Players**



**Discussion of Hypothesis: -**

- 1) Sports Achievement of Maharashtra Men & Women Players will have no significance difference.

In the Sports Achievement of Men & Women Players, 1483 is the Degree of freedom, 0.05 is the Significance status, 't' value is 1.454, and this is found more than the tabulated 't' value which is 1.96 because it is not significant. Its means, Maharashtra Men & Women Players Sports Achievement shows significant difference and hence the hypothesis is accepted.

- 2) Sports Achievement of Maharashtra Urban & Ruler Players will have no significance difference.

In the Sports Achievement of Urban & Ruler Players, the 't' value is 0.809, 1483 is the Degree of freedom and 0.05 and 0.01 are both the Significance level which is not significant and hence the hypothesis is accepted.

- 3) Sports Achievement of Maharashtra Team Game & Individual game Players will have no significance difference.

In the Sports Achievement of Team Game & Individual Players, the 't' value is 2.063. 1483 is the Degree of freedom and 0.05 is the Significance level which is significant and hence the hypothesis is not accepted.

**Findings: -**

1. From the total players, the Sports Achievement status of 77.51 % players is Medium, whereas Sports Achievement status is high for 11.99% players & Low for 10.50% players.
2. The one to five numbers are given for Hockey, Badminton, Hand ball, Cricket, & Football players having Sports Achievement mean serially - 269.12, 268.84, 266.24, 266.11 & 263.81. The 260.84, 258.90, 257.98, 257.45, 256.45 & 254.81 is the mean of Athletics, Softball, Kho-Kho, Volleyball, Kabaddi, & Basketball players which are on six to eleven number. The Hockey players Sports Achievement is very high and on first place, very low mean is Basketball players last one on eleventh number.
3. In the Sports Achievement of team Game & Individual Game Players, 't' value is 2.063, 1483 is Degree of Freedom, 0.05 is the significant level which is significant.

**Conclusions: -**

1. From the total players, the Sports Achievement status is Medium, High & Low Sports Achievement status players percentage found both is same.
2. There will be no difference in Sports Achievement of total players but comparing with Kabaddi & Basketball players, Hockey & Badminton players Sports Achievement status is found to be good.

3. Significance difference is found in Sports Achievement in Team Game & Individual Game Players.

**References: -**

- 1) Singles R.H., "A Survey study of the relationship between athletics achievement of the Arrington ganti Virginia public high school athletes," Dissertation International Abstract, vol.31, 1971.
- 2) Pathania R.S., Dr. Tiwari Darmendra, "Relationship of Achievement Motivation & socio-economic status of the engineering sports person," international journal of research and technology in education & movement science, vol.1, ishue.1, 2012.
- 3) Nandita and Tnima S., "Study Habits and attitude towards studies in relation to academy achievement," psycho-linua, vol.34, no.1, page no.57-60, Psychological Association of India.
- 4) Nathan P.G., Yoani G.V., "Influence of study habits self-concept on academic achievement of boys & girls," Karnataka journal agriculture science, vol.22, no.5, 2009, page no.1135-1138.
- 5) Holden luera, "investigation at attitude of high school students towards women participation in sports," Dissertation Abstract International, female vol.46, no.08, February 1986, page no.2288-A.
- 6) Denial Chamberlain, "Attitude towards Participation in sports," Dissertation Abstract International vol.45, no.03, 1984, page no.956-A.