

**CHAPTER - IV**

**DATA ANALYSIS AND INTERPRETATIONS  
ON GOVERNANCE**

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### **DATA ANALYSIS AND INTERPRETATIONS ON GOVERNANCE**

#### **4.1. OVERVIEW**

The purpose of the study was to carry out an extensive study in India to find out the level of governance among the various National Sports Federation (NFs). For the present study, the opinions of 350 sports stakeholders such as players, coaches, officials and administrators, associated in different National Governing Bodies of India were collected with the help of the questionnaire and the same was analyzed and presented in this chapter.

#### **4.2. TEST OF SIGNIFICANCE**

This is the most important part of the thesis because it examines the hypothesis and leads to a conclusion. This study required the procedure of testing the hypothesis in accordance with the results obtained in relation to the level of significance, which was set at 0.05. The tests are commonly referred to as significance tests because the researcher was determining whether the difference between the pre-test and post-test scores of the samples was significant. If the obtained significant value is less than 0.05, the hypothesis was accepted, indicating that there was a significant difference between the means of the groups compared; if the obtained significant value is greater than 0.05, the hypothesis was rejected, indicating that there was no significant difference between the means of the groups compared.

#### **4.3. LEVEL OF SIGNIFICANCE**

The level of significance 0.05 was chosen to test the obtained results on all variables and was deemed sufficient for the study.

#### **4.4. FREQUENCY DISTRIBUTION RELATED TO DEMOGRAPHIC PROFILE OF THE RESPONDENTS OF VARIOUS NATIONAL SPORTS FEDERATION:**

##### **4.4.1. Frequency Distribution of respondents based on Federation:**

The frequency distribution of the respondents on the basis of National Federation is given in table 4.1.

**Table 4.1**  
**Total number of Respondents based on Federation**

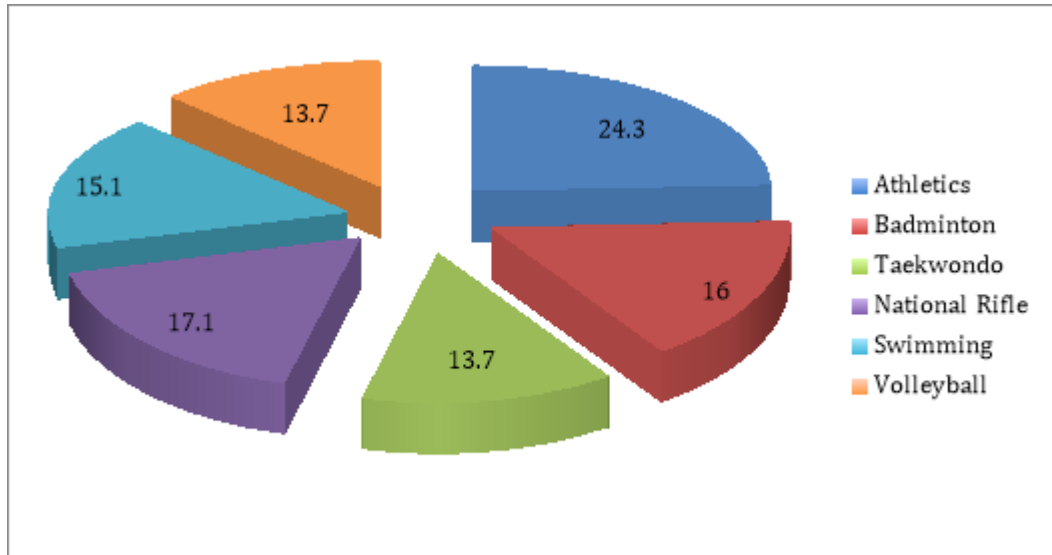
<b>Name of Federation</b>	<b>Frequency</b>	<b>Percentage</b>
<b>Athletics</b>	85	24.3
<b>Badminton</b>	56	16
<b>Taekwondo</b>	48	13.7
<b>National Rifle</b>	60	17.1
<b>Swimming</b>	53	15.1
<b>Volleyball</b>	48	13.7
<b>Total</b>	350	100

It is inferred from the table 4.1 that, 24.3% of respondents are from Athletic Federation of India, 17.1% of respondents are from National Rifle Association of India, 16% of respondents are from Badminton Association, 15.1% of respondents are from Swimming Federation, 13.7% of respondents are from both Taekwondo Federation and Volleyball Federation of India.

The percentage value of total number of respondents based on federation are graphically presented in figure 4.1.

**Figure 4.1**

**Graphical Representation of Total number of Respondents based on Federation**



**4.4.2. Frequency Distribution of respondents based on Position of the respondents:**

The frequency distribution of the respondents of all the Federation on the basis of position or role in the federation is given in table 4.2.

**Table 4.2  
Respondents based on their Position in Federation**

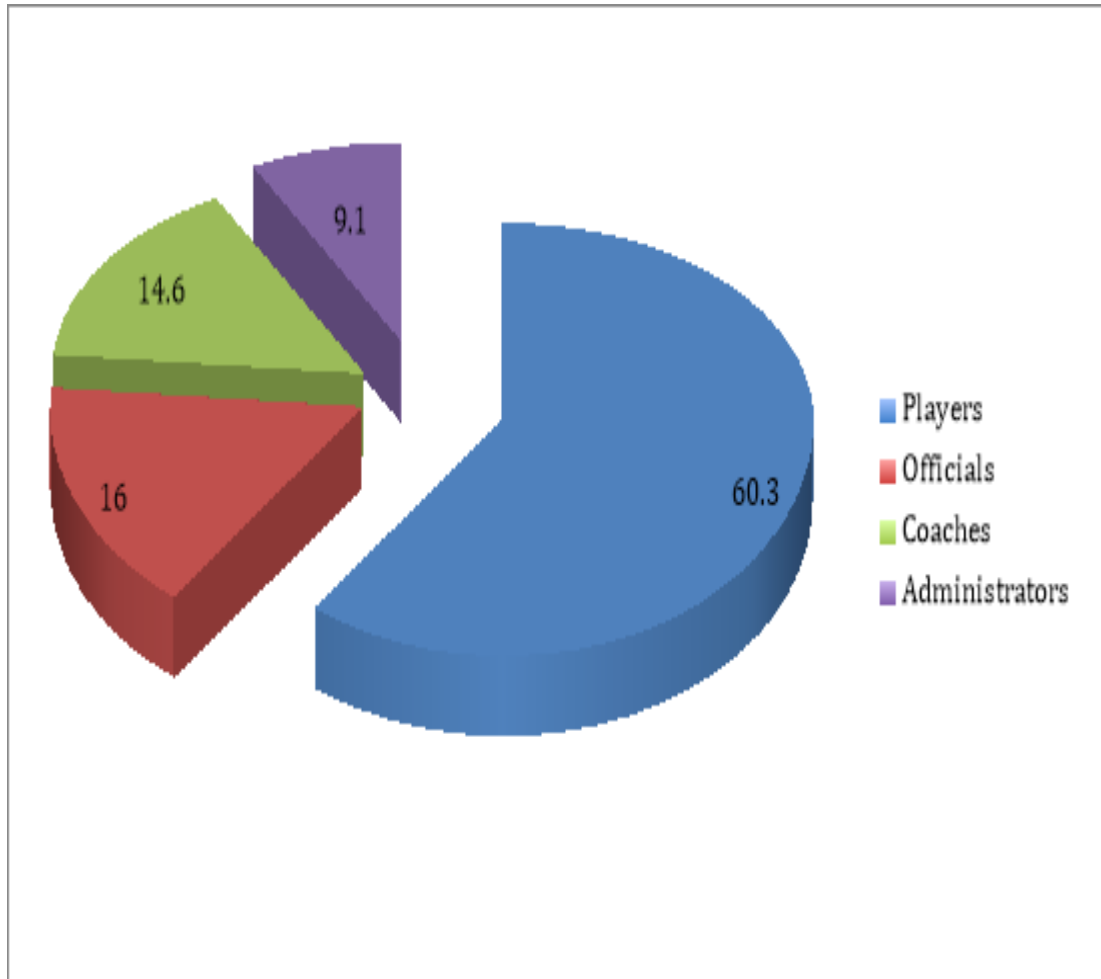
Role of respondents	Frequency	Percentage
Players	211	60.3
Coaches	51	14.6
Officials	56	16
Administrators	32	9.1
<b>Total</b>	<b>350</b>	<b>100</b>

It is identified from the table 4.2 that, 60.3%. Players, 14.6% Coaches, 16% official and 9.1% administrators has responded from all federations.

The percentage values of total number of respondents based on their position in Federation are graphically presented in figure 4.2.

**Figure 4.2**

**Graphical Representation of Total number of Respondents based on their position in Federation**



#### 4.4.3. Frequency Distribution of Respondents based on Position:

The frequency distribution of the respondents of all the Federation on the basis of position or role of individual Federation is given in table 4.3.

**Table 4.3**  
**Total number of Respondents based on their Position in Individual Federations**

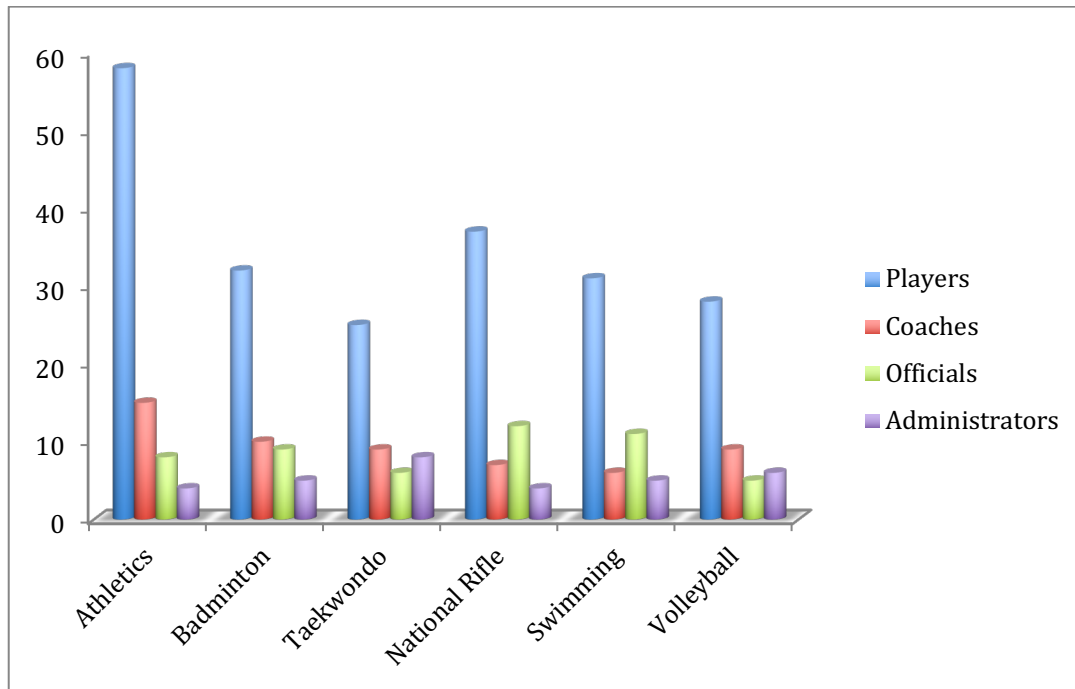
Name of Federation	Role of respondents				Total
	Players	Coaches	Officials	Administrators	
Athletics	58	15	8	4	85
Badminton	32	10	9	5	56
Taekwondo	25	9	6	8	48
National Rifle	37	7	12	4	60
Swimming	31	6	11	5	53
Volleyball	28	9	5	6	48
<b>Total</b>	211	56	51	32	350

It is inferred from the table 4.7 that Athletics Federation of India has a highest number of respondents with the total number of 85; which includes of 58 Players, 15 Coaches, 8 Officials and 4 Administrators. Followed by National Rifles with the total number of 60 respondents, which includes of 37 Players, 7 Coaches, 12 Officials and 4 Administrators. Badminton Association received a total number of 56 respondents, which includes of 32 Players, 10 Coaches, 9 Officials and 5 Administrators. Swimming Federation with a total number of 53 respondents, which includes of 31 Players, 6 Coaches, 11 Officials and 5 Administrators. Taekwondo Federation has received a total number of 48 respondents, which includes of 25 Players, 9 Coaches, 6 Officials and 58 Administrators, followed by Volleyball Federation with the same total number of 48, which includes of 28 Players, 9 Coaches, 5 Officials and 6 Administrators.

The percentage value of total number of respondents based on their individual position is graphically presented in figure 4.3.

**Figure 4.3**

**Graphical Representation of Respondents based on Individual Position.**



**4.4.4. Frequency Distribution based on Age of the Respondents:**

The frequency distribution of the respondents of all the Federation on the basis of age is given in table 4.4.

**Table 4.4**  
**Respondents based on their Age**

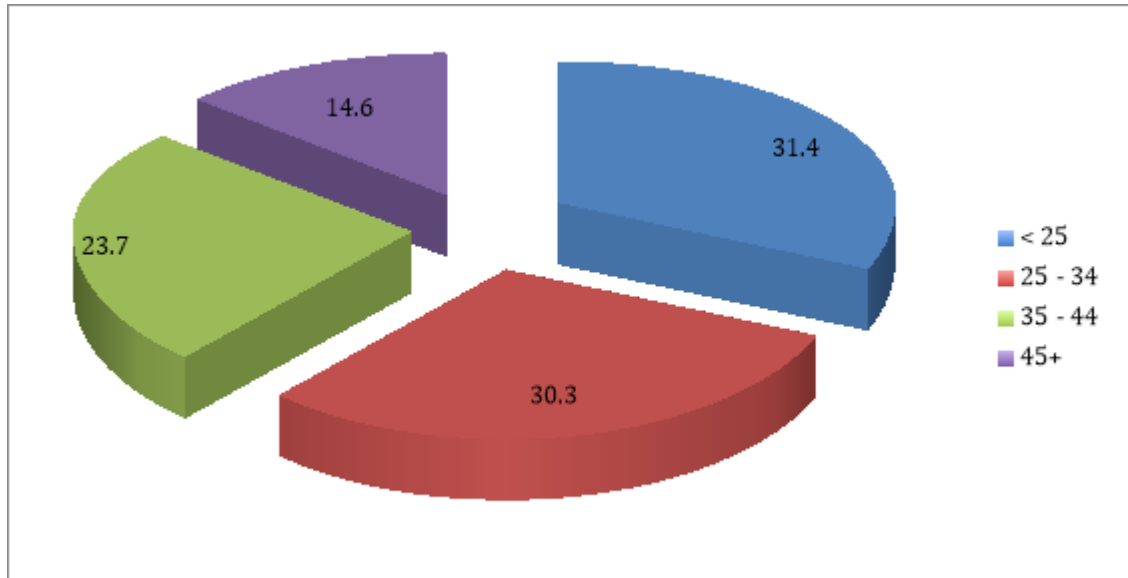
Age of respondents (in Years)	Frequency	Percentage
< 25	110	31.4
26 - 35	106	30.3
36 - 45	83	23.7
46+	51	14.6
<b>Total</b>	<b>350</b>	<b>100.0</b>

It can be observed from the table 4.3 that, 31.4% of respondents are from the age group of less than 25 years, 30.3% are from 26 to 35 years, 23.7% are from 36 to 45 years and 14.6% are from above 46 years of age group.

The percentage value of total number of respondents based on age is graphically presented in figure 4.4.

**Figure 4.4**

**Graphical Representation of Respondents based on Age.**



**4.4.5. Frequency Distribution of respondents based on gender of the respondents:**

The frequency distribution of the respondents of all the Federation on the basis of gender is given in table 4.5.

**Table 4.5**

**Respondents based on Gender.**

Gender	Frequency	Percentage
Male	215	61.4
Female	135	38.6
Total	350	100.0

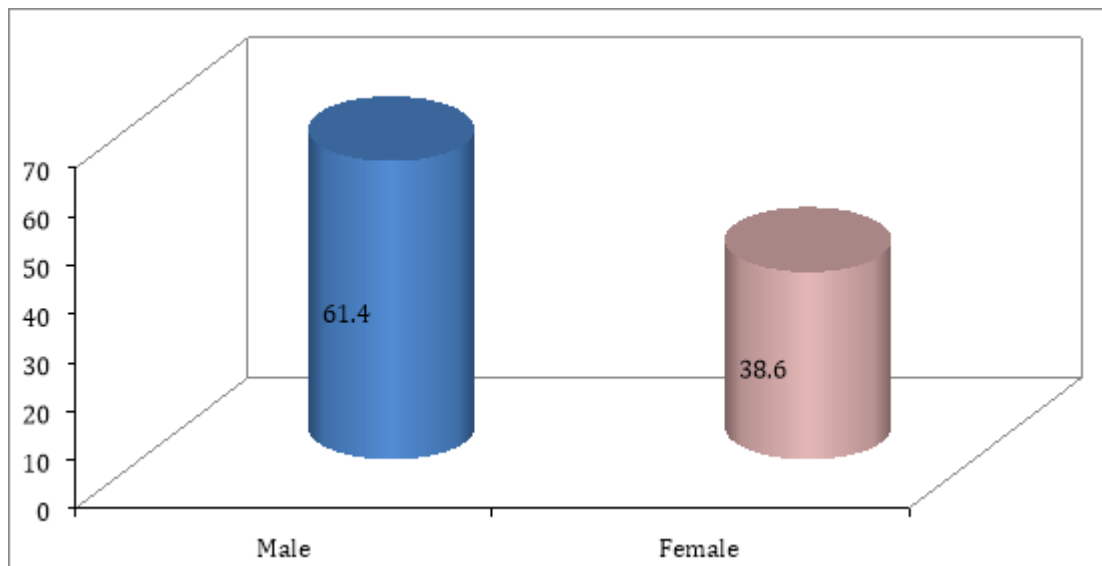


It is inferred from the table 4.4 that the total number of male respondents in all the federation is 215 , with the percentage of 61.4 and followed by the total number of female respondents with the frequency level of 135 and the percentage is 38.6.

The percentage value of total number of respondents based on gender are graphically presented in figure 4.5.

**Figure 4.5**

**Graphical Representation of Respondents based on Gender.**



**4.4.6. Frequency Distribution of respondents based on their academic qualification:**

The frequency distribution of the respondents of all the Federation on the basis of their academic qualification is given in table 4.6.

**Table 4.6  
Respondents based on Academic Qualification**

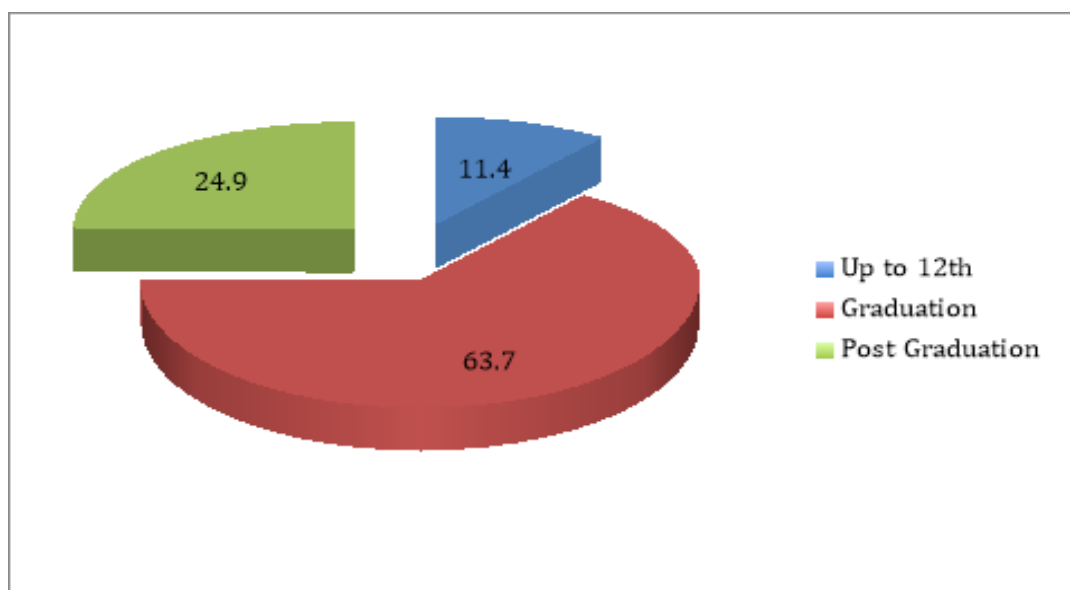
<b>Academic Qualification</b>	<b>Frequency</b>	<b>Percentage</b>
Up to 12th	40	11.4
Graduation	223	63.7
Post Graduation	87	24.9
Total	350	100

It is identified from the table 4.5 that the highest academic qualification of the respondents from all the federation is from ‘Graduation’ level with 63.7%, ‘Post Graduation’ with 24.9% and the rest of respondents were under the ‘Up to 12<sup>th</sup> standard’ with 11.4 %.

The percentage value of total number of respondents based on their academic qualification are graphically presented in figure 4.6.

**Figure 4.6**

**Graphical Representation of Respondents based on Academic Qualification.**



#### **4.4.7. Frequency Distribution of Respondents based on their experience:**

The frequency distribution of the respondents of all the Federation on the basis of their experience is given in table 4.7.

**Table 4.7**  
**Respondents based on their experience**

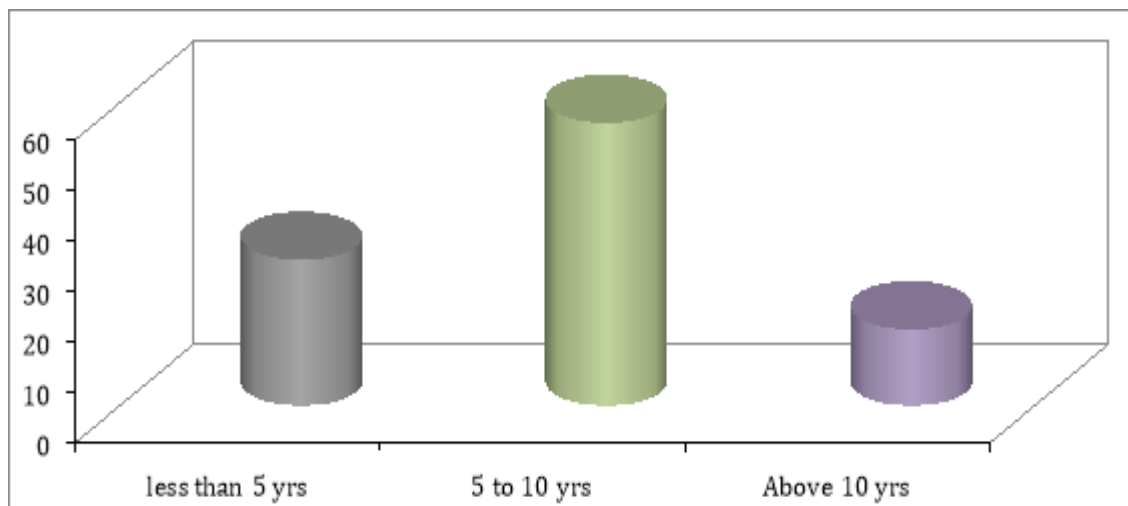
<b>Experience (In Years)</b>	<b>Frequency</b>	<b>Percent</b>
Less than 5	101	28.9
5 to 10	196	56
Above 10	53	15.1
Total	350	100

It is inferred from the table 4.6 that the majority of respondents have an experience of '5 to 10 Years' with of 56%, followed by an experience of 'less than 5 Years' with 28.9% and the rest of respondents have an experience of 'above 10 Years' with 15.1%.

The percentage value of total number of respondents based on their academic qualification is graphically presented in figure 4.7.

**Figure 4.7**

**Graphical Representation of Respondents based on Academic Qualification.**



#### 4.4.8. Analysis Related to Good Governance of Federation

The descriptive statistics different sports organizations on the different dimensions of Good Governance are presented in table 4.8.

**Table 4.8**

**Descriptive Statistics on different dimensions of Good Governance of National Federation**

Sl.No	Variables	Athletics		Badminton		Taekwondo		National Rifle		Swimming		Volleyball	
		Mean	SD(±)	Mean	SD(±)	Mean	SD(±)	Mean	SD(±)	Mean	SD(±)	Mean	SD(±)
1.	<b>Organizational Transparency</b>	18.57	5.46	17.10	3.80	19.29	6.32	18.45	5.28	18.03	4.96	22.35	6.63
2.	<b>Reporting Transparency</b>	23.83	7.26	22.91	7.20	24.95	8.11	23.10	8.23	23.73	7.38	26.58	8.21
3.	<b>Democratic Process</b>	21.30	6.52	20.48	4.21	21.83	5.40	20.91	4.27	21.30	4.81	23.72	5.22
4.	<b>Control Mechanism</b>	20.48	6.14	19.60	3.87	20.91	5.49	20.10	4.39	20.50	4.81	23.20	5.70
5.	<b>Sports Integrity</b>	17.38	6.14	15.83	2.99	18.54	6.14	16.73	4.56	17.15	5.10	21.52	6.96
6.	<b>Solidarity</b>	18.44	6.12	16.76	2.97	19.60	6.67	17.85	4.14	18.16	5.49	22.70	7.03
7.	<b>Stakeholder Representation</b>	23.70	5.34	23.80	4.78	24.68	4.99	22.76	2.52	24.18	4.81	23.29	2.93

As we can see from the table 4.8, in different dimensions of good governance volleyball has the highest mean value of 22.35 with Standard Deviation of 6.63 in Organizational Transparency, followed by taekwondo with the mean value of 19.29 and Standard Deviation of 6.32. Badminton has the lowest mean value of 17.10 and the Standard Deviation of 3.80. Volleyball has highest mean value in other dimension i.e. Reporting Transparency with mean value of 26.58, Democratic Process with 23.72, Control Mechanism with 23.20, Sports Integrity with 21.52 and Solidarity with mean value of 22.70. Taekwondo has highest mean value of 24.68 with 4.99 Standard Deviation in Stakeholder Representation. Badminton has the lowest mean value in Reporting Transparency with 22.91, Democratic Process with 20.48, Control Mechanism with 19.60, Sports Integrity with 15.83 and Solidarity with the mean value of 16.76. National Rifle has lowest mean value in Stakeholder Representation with 22.76.

#### **4.5. ANALYSIS RELATED TO PLAYER'S OPINION ON GOOD GOVERNANCE OF VARIOUS NATIONAL SPORTS FEDERATION:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference in the opinion of players of all National Federation with regards to the dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation.

##### **Hypothesis 1:**

There is a significant difference between the opinions of the players of all National Federation with regard to various dimensions of good governance.

The researcher has used suitable research tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regard to all the dimensions of good governance. They are discussed below:

##### **4.5.1. One-way Analysis of Variance among Players involving at Athletics Federation with regards to various dimensions of good governance.**

**H<sub>1 01</sub>:** There is a significant difference between the opinions of the players of Athletics Federation with regard to various dimensions of good governance.

The players' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the players involved in Athletics Federation of India. The results are given in the table 4.9.

**Table 4.9**

**One-way Analysis of Variance of Players in Athletics Federation of India  
With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	2516.03	419.33	G1=17.24 G2=22.91 G3=20.44	F=22.69* P=0.00 P<0.05 Significant
2	Within Groups	399	7378.81	18.49	G4=19.62 G5=15.84 G6=15.84 G7=16.68	

*G1=Organization Transparency*

*G3=Democratic Process*

*G5= Sports Integrity*

*G7= Stakeholder Representation*

*G2= Reporting Transparency*

*G4= Control Mechanism*

*G6= Solidarity*

It can be observed from the table 4.9 that there is a significant difference among the players involved in Athletics federation with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore,  $H_{10}$  is accepted. Further, it is also observed that the mean score reveals that the player's opinion about reporting transparency, democratic process and control mechanism are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the players with regards to good governance. The results are shown in the table 4.10.

**Table 4.10**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Players in Athletics Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
17.24	22.91	-	-	-	-	-	5.67*	0.000
17.24	-	20.44	-	-	-	-	3.20*	0.014
17.24	-	-	19.62	-	-	-	2.37	0.184
17.24	-	-	-	15.84	-	-	1.39	0.801
17.24	-	-	-	-	15.84	-	1.39	0.801
17.24	-	-	-	-	-	16.68	0.55	0.998
-	22.91	20.44	-	-	-	-	2.45	0.149
-	22.91	-	19.62	-	-	-	3.29*	0.010
-	22.91	-	-	15.84	-	-	7.06*	0.000
-	22.91	-	-	-	15.84	-	7.06*	0.000
-	22.91	-	-	-	-	16.68	6.22*	0.000
-	-	20.44	19.62	-	-	-	0.82	0.982
-	-	20.44	-	15.84	-	-	4.60*	0.000
-	-	20.44	-	-	15.84	-	4.60*	0.000
-	-	20.44	-	-	-	16.68	3.75*	0.001
-	-	-	19.62	15.84	-	-	3.77*	0.001
-	-	-	19.62	-	15.84	-	3.77*	0.001
-	-	-	19.62	-	-	16.68	2.93*	0.038
-	-	-	-	15.84	15.84	-	0.00	1.000
-	-	-	-	15.84	-	16.68	0.84	0.981
-	-	-	-	-	15.84	16.68	0.84	0.981

P < 0.05



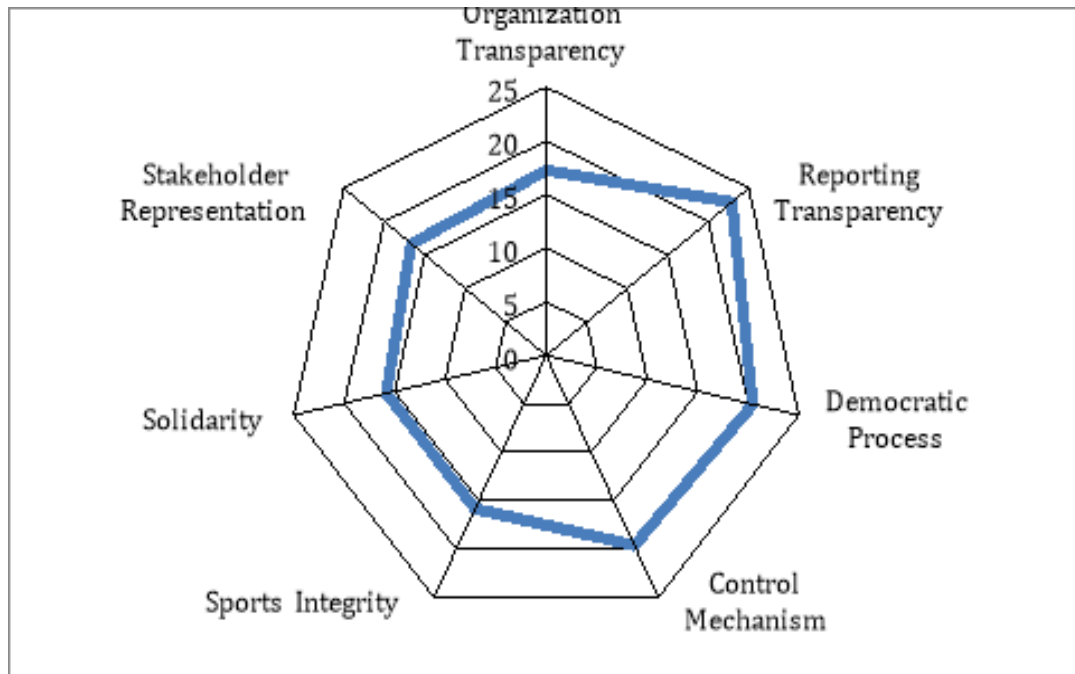
From the above table 4.10, it is inferred that the mean difference values between the group Organizational Transparency and Reporting Transparency of Players from Athletics Federation is 5.67, Organizational Transparency and Democratic Process is 3.20, Reporting Transparency and Control Mechanism is 3.29, Reporting Transparency with Sports Integrity and Solidarity is 7.06, Reporting Transparency and Stakeholder Representation is 6.22, Democratic Process with Sports Integrity and Solidarity is 4.60, Democratic Process and Stakeholder Representation is 3.75, Control Mechanism with Sports Integrity and Solidarity is 3.77, Democratic Process and Stakeholder Representation is 2.93 which are lesser than the significance value 0.05, which shows that players involved in Athletics Federation have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that players involved in Athletics Federation have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of players of Athletics Federation on various dimensions of good governance are graphically presented in figure 4.8.

**Figure 4.8**

**Graphical Representation of the Means of Players' Opinion on Different Dimensions of Good Governance of Athletics Federation of India**



**4.5.2. One-way Analysis of Variance among Players involving at Badminton Association with regards to various dimensions of good governance.**

**H<sub>1 02</sub>:** There is a significant difference between the opinions of the players of Badminton Association with regard to various dimensions of good governance.

The players' opinion with regard to good governance is analyzed using one-way Analysis of Variance to find out the degree of difference among the players involved in Badminton Association of India. The results are given in the table 4.11.

**Table 4.11**

**One-way Analysis of Variance of Players in the Badminton Association of India  
With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	2530.04	421.67	G1=16.87 G2=24.21 G3=20.75	F=20.23* P=0.00 P<0.05
2	Within Groups	217	4522.813	20.84	G4=19.75 G5=15.87 G6=16.56 G7=24.71	Significant

*G1=Organization Transparency*

*G2= Reporting Transparency*

*G3=Democratic Process*

*G4= Control Mechanism*

*G5= Sports Integrity*

*G6= Solidarity*

*G7= Stakeholder Representation*

It can be observed from the table 4.11 that there is a significant difference among the players involved in Badminton Association of India with regards to various dimensions of good governance, Since the significance value is lesser than 0.05. Therefore,  $H_{102}$  is accepted. Further, it is also observed that the mean score reveals that the players opinion about reporting transparency, democratic process, control mechanism and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the players with regards to good governance. The results are shown in the table 4.12.

**Table 4.12**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Players in Badminton Association of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
16.87	24.21	-	-	-	-	-	7.34*	0.000
16.87	-	20.75	-	-	-	-	3.88	0.079
16.87	-	-	19.75	-	-	-	2.88	0.389
16.87	-	-	-	15.87	-	-	1.00	0.993
16.87	-	-	-	-	16.56	-	0.31	1.000
16.87	-	-	-	-	-	24.71	7.84*	0.000
-	24.21	20.75	-	-	-	-	3.46	0.166
-	24.21	-	19.75	-	-	-	4.46*	0.021
-	24.21	-	-	15.87	-	-	8.34*	0.000
-	24.21	-	-	-	16.56	-	7.65	0.000
-	24.21	-	-	-	-	24.71	0.5	1.000
-	-	20.75	19.75	-	-	-	1.00	0.993
-	-	20.75	-	15.87	-	-	4.88*	0.007
-	-	20.75	-	-	16.56	-	4.19*	0.040
-	-	20.75	-	-	-	24.71	3.96	0.065
-	-	-	19.75	15.87	-	-	3.88	0.079
-	-	-	19.75	-	16.56	-	3.19	0.258
-	-	-	19.75	-	-	24.71	4.96*	0.005
-	-	-	-	15.87	16.56	-	0.69	0.999
-	-	-	-	15.87	-	24.71	8.84*	0.000
-	-	-	-	-	16.56	24.71	8.15*	0.000

P < 0.05

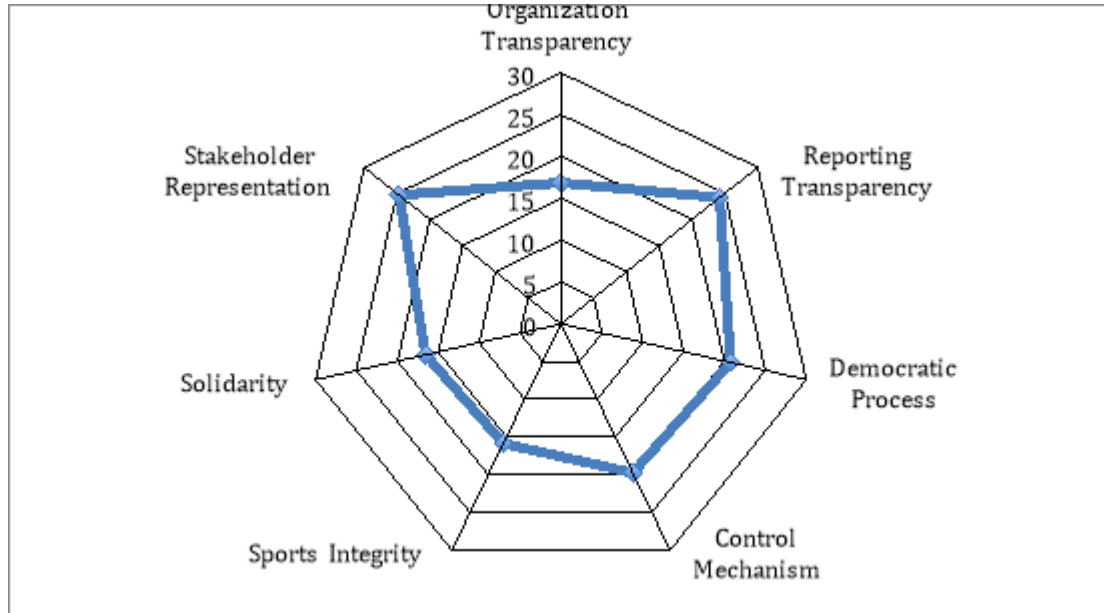
From the above table 4.12, it is understood that the mean difference values between the group Organizational Transparency and Reporting Transparency of Players from Badminton Association of India is 7.34, Organizational Transparency and Stakeholder Representation is 7.84, Reporting Transparency and Control Mechanism is 4.46, Reporting Transparency with Sports Integrity is 8.34, Reporting Transparency and Solidarity is 7.65, Democratic Process and Sports Integrity is 4.88, Democratic Process and Solidarity is 4.19, Control Mechanism and Stakeholder Representation is 4.96, Sports Integrity and Stakeholder Representation is 8.84, Solidarity and Stakeholder Representation is 8.15, which are smaller than the significance value 0.05, which shows that players involved in Badminton Association of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that players involved in Badminton Association of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of players of Badminton Association of India on various dimensions of good governance are graphically presented in figure 4.9.

**Figure 4.9**

**Graphical Representation of the Means of Players' Opinion on Different Dimensions of Good Governance of Badminton Association of India.**



**4.5.3. One-way Analysis of Variance among players involving at Taekwondo Federation with regards to various dimensions of good governance.**

**H<sub>1 03</sub>** : There is a significant difference between the opinions of the players of Taekwondo Federation with regard to various dimensions of good governance.

The players' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the players involved in Taekwondo Federation of India. The results are given in the table 4.13.

**Table 4.13**

**One-Way Analysis of Variance of Players in the Taekwondo Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	610.43	101.739	G1=20.28 G2=24.60 G3=22.00 G4=20.92 G5=18.92 G6=19.92 G7=23.40	F=2.60* P=0.019 P<0.05 Significant
2	Within Groups	168	6552.56	39.00		

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be revealed from the table 4.13 that there is a significant difference among the players involved in Taekwondo Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore,  $H_{103}$  is accepted. Further, it is also observed that the mean score reveals that the player's opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the players with regards to good governance. The results are shown in the table 4.14.

**Table 4.14**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Players in Taekwondo Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
20.28	24.60	-	-	-	-	-	4.32	0.429
20.28	-	22.00	-	-	-	-	1.72	0.987
20.28	-	-	20.92	-	-	-	0.64	1.000
20.28	-	-	-	18.92	-	-	1.36	0.996
20.28	-	-	-	-	19.92	-	0.36	1.000
20.28	-	-	-	-	-	23.40	3.12	0.793
-	24.60	22.00	-	-	-	-	2.60	0.903
-	24.60	-	20.92	-	-	-	3.68	0.631
-	24.60	-	-	18.92	-	-	5.68	0.118
-	24.60	-	-	-	19.92	-	4.68	0.325
-	24.60	-	-	-	-	23.40	1.20	0.998
-	-	22.00	20.92	-	-	-	1.08	0.999
-	-	22.00	-	18.92	-	-	3.08	0.803
-	-	22.00	-	-	19.92	-	2.08	0.966
-	-	22.00	-	-	-	23.40	1.40	0.966
-	-	-	20.92	18.92	-	-	2.00	0.972
-	-	-	20.92	-	19.92	-	1.00	0.999
-	-	-	20.92	-	-	23.40	2.48	0.921
-	-	-	-	18.92	19.92	-	1.00	0.999
-	-	-	-	18.92	-	23.40	4.48	0.381
-	-	-	-	-	19.92	23.40	3.48	0.693

P < 0.05

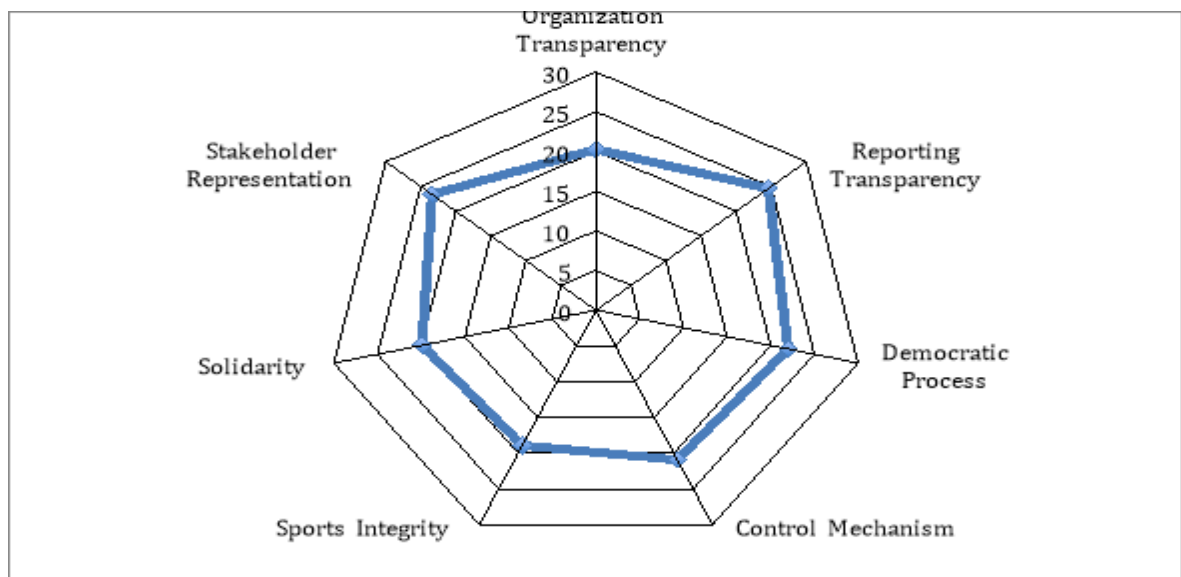


From the above table 4.14, it can be observed that the mean difference values between the group of all dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation of Players from Taekwondo Federation of India are greater than the significance value, which shows that players involved in Taekwondo Federation of India have equal satisfaction level towards all the dimensions of good governance. The mean difference values between the group of Reporting Transparency and Sports Integrity is 5.68 which is the highest and the mean difference values between the group Organizational Transparency and Solidarity is the lowest with 0.36.

The mean values of the opinion of players of Taekwondo Federation of India on various dimensions of good governance are graphically presented in figure 4.10.

**Figure 4.10**

**Graphical Representation of the Means of Players' Opinion on Different Dimensions of Good Governance of Taekwondo Federation of India.**



**4.5.4. One-way Analysis of Variance among players involving at National Rifle Association with regards to various dimensions of good governance.**

**H<sub>1 04</sub>:** There is a significant difference between the opinions of the players of National Rifle Association with regard to various dimensions of good governance.

The players' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the players involved in National Rifle Association of India. The results are given in the table 4.15.

**Table 4.15**

**One-way Analysis of Variance of Players in the National Rifle Association of India with regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	1525.29	254.21	G1=17.64 G2=22.37 G3=20.62 G4=19.91 G5=15.89 G6=16.94 G7=22.43	F=14.92* P=0.00 P<0.05 Significant
2	Within Groups	252	4291.13	17.02		

G1=Organization Transparency  
G3=Democratic Process  
G5= Sports Integrity  
G7= Stakeholder Representation

G2= Reporting Transparency  
G4= Control Mechanism  
G6= Solidarity

It can be observed from the table 4.15 that there is a significant difference among the players involved in National Rifle Association of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>1 04</sub> is accepted. Further, it is also observed that the mean score reveals that the player's opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the players with regards to good governance. The results are shown in the table 4.16.

**Table 4.16**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Players in National Rifle Association of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
17.64	22.37	-	-	-	-	-	4.72*	0.001
17.64	-	20.62	-	-	-	-	2.97	0.147
17.64	-	-	19.91	-	-	-	2.27	0.472
17.64	-	-	-	15.89	-	-	1.75	0.763
17.64	-	-	-	-	16.94	-	0.70	0.997
17.64	-	-	-	-	-	22.43	4.78*	0.001
-	22.37	20.62	-	-	-	-	1.75	0.763
-	22.37	-	19.91	-	-	-	2.45	0.366
-	22.37	-	-	15.89	-	-	6.48*	0.000
-	22.37	-	-	-	16.94	-	5.43*	0.000
-	22.37	-	-	-	-	22.43	0.05	1.000
-	-	20.62	19.91	-	-	-	0.70	0.997
-	-	20.62	-	15.89	-	-	4.72*	0.001
-	-	20.62	-	-	16.94	-	3.67*	0.026
-	-	20.62	-	-	-	22.43	1.81	0.735
-	-	-	19.91	15.89	-	-	4.02*	0.009
-	-	-	19.91	-	16.94	-	2.97	0.147
-	-	-	19.91	-	-	22.43	2.51	0.337
-	-	-	-	15.89	16.94	-	1.05	0.976
-	-	-	-	15.89	-	22.43	6.54*	0.000
-	-	-	-	-	16.94	22.43	5.48*	0.000

P < 0.0

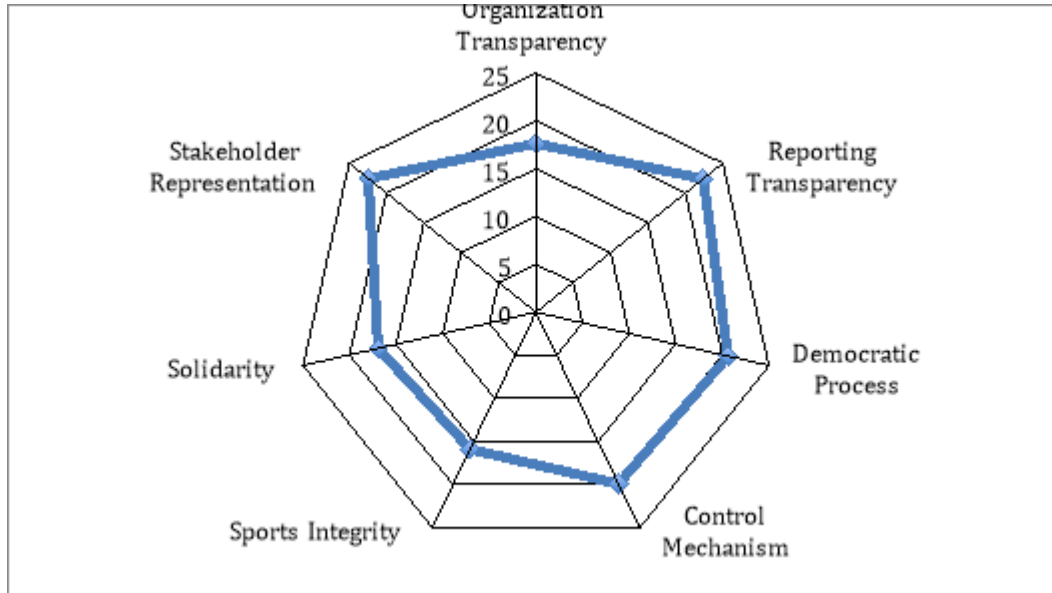
From the above table 4.16, it is inferred that the mean difference values between the group Organizational Transparency & Reporting Transparency and Democratic Process & Sports Integrity of Players from National Rifle Association of India is 4.72, Organizational Transparency and Stakeholder Representation is 4.78, Reporting Transparency and Sports Integrity is 6.48, Reporting Transparency with Solidarity is 5.43, Democratic Process and Solidarity is 3.67, Control Mechanism and Sports Integrity is 4.02, Sports Integrity and Stakeholder Representation is 6.54, Solidarity and Stakeholder Representation is 5.48, which are lesser than the significance value 0.05, which shows that players involved in National Rifle Association of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that players involved in National Rifle Association of India of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of players of National Rifle Association of India on various dimensions of good governance are graphically presented in figure 4.11.

**Figure 4.11**

**Graphical Representation of the Means of Players' Opinion on Different Dimensions of Good Governance of National Rifle Association of India.**



**4.5.5. One-way Analysis of Variance among players involving at Swimming Federation with regards to various dimensions of good governance.**

**H<sub>1 05</sub>:** There is a significant difference between the opinions of the players of Swimming Federation with regard to various dimensions of good governance.

The players' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the players involved in Swimming Federation of India. The results are given in the table 4.17.

**Table 4.17**

**One-way Analysis of Variance of Players in the Swimming Federation of India with regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	1543.14	257.19	G1=18.67 G2=25.35 G3=22.25 G4=21.41	F=7.17* P=0.00 P<0.05 Significant
2	Within Groups	210	7524.38	35.83	G5=18.64 G6=19.35 G7=25.19	

*G1=Organization Transparency*

*G2= Reporting Transparency*

*G3=Democratic Process*

*G4= Control Mechanism*

*G5= Sports Integrity*

*G6= Solidarity*

*G7= Stakeholder Representation*

It can be identified from the table 4.17 that there is a significant difference among the players involved in Swimming Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore,  $H_{105}$  is accepted. Further, it is also observed that the mean score reveals that the player's opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the players with regards to good governance. The results are shown in the table 4.18.

**Table 4.18**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Players in Swimming Federation of India of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
18.67	25.35	-	-	-	-	-	6.67*	0.005
18.67	-	22.25	-	-	-	-	3.58	0.478
18.67	-	-	21.41	-	-	-	2.74	0.776
18.67	-	-	-	18.64	-	-	0.32	1.000
18.67	-	-	-	-	19.35	-	0.67	1.000
18.67	-	-	-	-	-	25.19	6.51*	0.007
-	25.35	22.25	-	-	-	-	3.09	0.657
-	25.35	-	21.41	-	-	-	3.93	0.354
-	25.35	-	-	18.64	-	-	6.70*	0.005
-	25.35	-	-	-	19.35	-	6.00*	0.019
-	25.35	-	-	-	-	25.19	0.16	1.000
-	-	22.25	21.41	-	-	-	0.83	0.999
-	-	22.25	-	18.64	-	-	3.61	0.466
-	-	22.25	-	-	19.35	-	2.90	0.724
-	-	22.25	-	-	-	25.19	2.93	0.713
-	-	-	21.41	18.64	-	-	2.77	0.766
-	-	-	21.41	-	19.35	-	2.06	0.933
-	-	-	21.41	-	-	25.19	3.77	0.409
-	-	-	-	18.64	19.35	-	0.70	1.000
-	-	-	-	18.64	-	25.19	6.54*	0.006
-	-	-	-	-	19.35	25.19	5.83*	0.026

P < 0.05



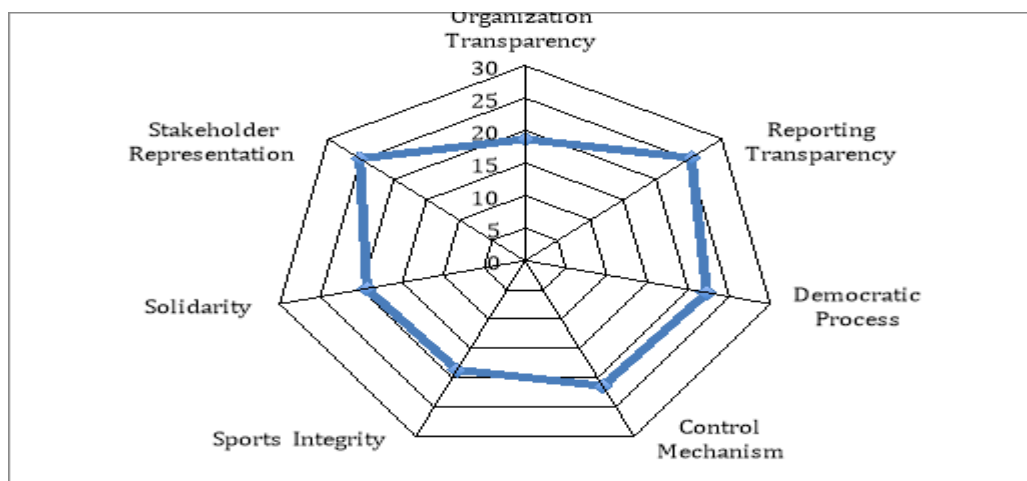
From the above table 4.18, it is revealed that the mean difference values between the group Organizational Transparency and Reporting Transparency of Players from Swimming Federation of India is 6.67, Organizational Transparency and Stakeholder Representation is 6.51, Reporting Transparency and Sports Integrity is 6.70, Reporting Transparency and Solidarity is 6.00, Sports Integrity and Stakeholder Representation is 6.54, Solidarity and Stakeholder Representation is 5.83, which are lesser than the significance value 0.05, which shows that players involved in Swimming Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that players involved in Swimming Federation of India of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of players of Swimming Federation of India on various dimensions of good governance are graphically presented in figure 4.12.

**Figure 4.12**

**Graphical Representation of the Means of Players' Opinion on Different Dimensions of Good Governance of Swimming Federation of India.**



**4.5.6. One-way Analysis of Variance among players involving at Volleyball Federation with regards to various dimensions of good governance.**

**H<sub>1 06</sub>:** There is a significant difference between the opinions of the players of Volleyball Federation with regard to various dimensions of good governance.

The players' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the players involved in Volleyball Federation of India. The results are given in the table 4.19

**Table 4.19**  
**One-way Analysis of Variance of Players in the Volleyball Federation of India**  
**With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	1048.49	174.74	<b>G1=18.10</b> <b>G2=22.50</b> <b>G3=20.32</b> <b>G4=19.35</b> <b>G5=16.25</b> <b>G6=17.50</b> <b>G7=22.85</b>	F=7.33* P=0.00 P<0.05 Significant
2	Within Groups	189	4503.89	23.83		

*G1=Organization Transparency*

*G2= Reporting Transparency*

*G3=Democratic Process*

*G4= Control Mechanism*

*G5= Sports Integrity*

*G6= Solidarity*

*G7= Stakeholder Representation*

It can be observed from the table 4.19 that there is a significant difference among the players involved in Volleyball Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>1 06</sub> is accepted. Further, it is also observed that the mean score reveals that the player's opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the players with regards to good governance. The results are shown in the table 4.20

**Table 4.20**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Players in Volleyball Federation of India of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
18.10	22.50	-	-	-	-	-	4.39	0.085
18.10	-	20.32	-	-	-	-	2.21	0.823
18.10	-	-	19.35	-	-	-	1.25	0.988
18.10	-	-	-	16.25	-	-	1.85	0.916
18.10	-	-	-	-	17.50	-	0.60	1.000
18.10	-	-	-	-	-	19.55	4.75*	0.044
-	22.50	20.32	-	-	-	-	2.17	0.834
-	22.50	-	19.35	-	-	-	3.14	0.449
-	22.50	-	-	16.25	-	-	6.25*	0.001
-	22.50	-	-	-	17.50	-	5.00*	0.027
-	22.50	-	-	-	-	19.55	0.35	1.000
-	-	20.32	19.35	-	-	-	0.96	0.997
-	-	20.32	-	16.25	-	-	4.07	0.143
-	-	20.32	-	-	17.50	-	2.82	0.587
-	-	20.32	-	-	-	19.55	2.53	0.706
-	-	-	19.35	16.25	-	-	3.10	0.464
-	-	-	19.35	-	17.50	-	1.85	0.916
-	-	-	19.35	-	-	19.55	3.50	0.308
-	-	-	-	16.25	17.50	-	1.25	0.988
-	-	-	-	16.25	-	19.55	6.60*	0.000
-	-	-	-	-	17.50	19.55	5.35*	0.012

P < 0.05

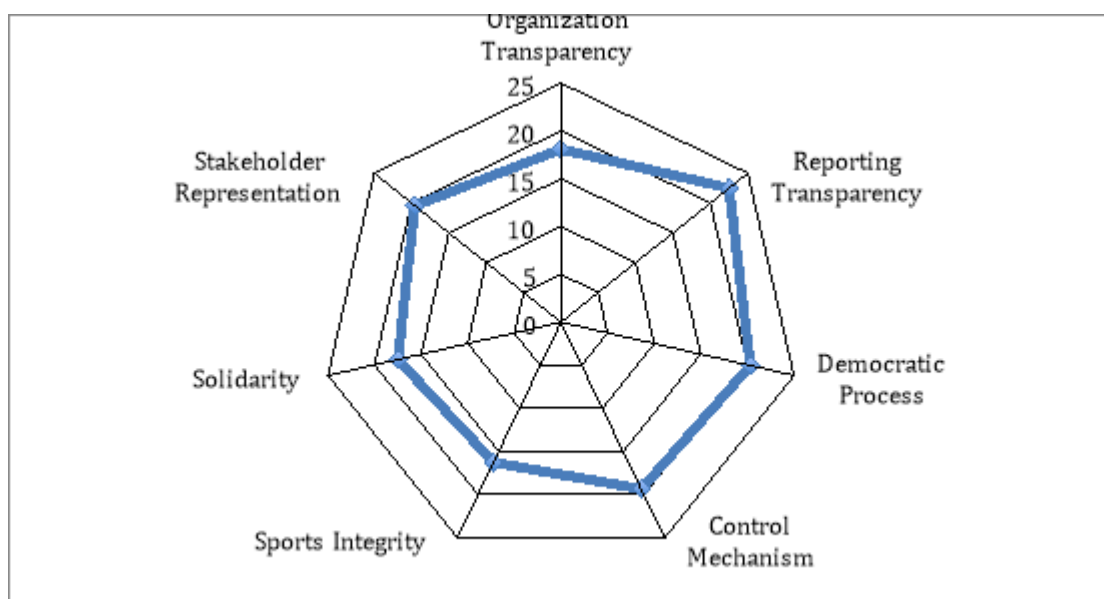
From the above table 4.20, it is understood that the mean difference values between the group Reporting Transparency and Sports Integrity is 6.25, Reporting Transparency and Solidarity is 5.00, Democratic Process and Sports Integrity is 4.07, Sports Integrity and Stakeholder Representation is 6.60, Solidarity and Stakeholder Representation is 5.35, which are lesser than the significance value 0.05, which shows that players involved in Volleyball Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that players involved in Volleyball Federation of India of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of players of Volleyball Federation of India on various dimensions of good governance are graphically presented in figure 4.13.

**Figure 4.13**

**Graphical Representation of the Means of Players' Opinion on Different Dimensions of Good Governance of Volleyball Federation of India.**



#### **4.6. ANALYSIS RELATED TO COACHES' OPINION ABOUT GOOD GOVERNANCE OF VARIOUS NATIONAL SPORTS FEDERATION:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference in the opinion of the coaches of all National Federation with regards to the dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation.

##### **Hypothesis 2:**

There is a significant difference between the opinions of the Coaches of all National Federation with regard to various dimensions of good governance.

The researcher has used suitable research tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regard to all the dimensions of good governance. They are discussed below:

##### **4.6.1. One-way Analysis of Variance among Coaches involving at Athletics Federation with regards to various dimensions of good governance.**

**H<sub>2 01</sub>:** There is a significant difference between the opinions of the Coaches of Athletics Federation with regard to various dimensions of good governance.

The coaches' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the coaches involved in Athletics Federation of India. The results are given in the table 4.21

**Table 4.21**

**One-way Analysis of Variance of Coaches in Athletics Federation of India  
With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	698.00	116.33	G1=16.26 G2=20.66 G3=19.33 G4=18.13 G5=15.33 G6=17.06 G7=23.40	F=5.89* P=0.00 P<0.05 Significant
2	Within Groups	98	1933.20	19.72		

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be identified from the table 4.13 that there is a significant difference among the coaches involved in Athletics federation with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore,  $H_{2,01}$  is accepted. Further, it is also observed that the mean score reveals that the coaches' opinion about reporting transparency, democratic process, and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the coaches with regards to good governance. The results are shown in the table 4.22.

**Table 4.22**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Coaches in Athletics Federation on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
16.26	20.66	-	-	-	-	-	4.40	0.299
16.26	-	19.33	-	-	-	-	3.06	0.733
16.26	-	-	18.13	-	-	-	1.86	0.969
16.26	-	-	-	15.33	-	-	0.93	0.999
16.26	-	-	-	-	17.06	-	0.80	1.00
16.26	-	-	-	-	-	23.40	7.13*	0.006
-	20.66	19.33	-	-	-	-	1.33	0.995
-	20.66	-	18.13	-	-	-	2.53	0.873
-	20.66	-	-	15.33	-	-	5.33	0.106
-	20.66	-	-	-	17.06	-	3.60	0.556
-	20.66	-	-	-	-	23.40	2.73	0.827
-	-	19.33	18.13	-	-	-	1.20	0.997
-	-	19.33	-	15.33	-	-	4.00	0.412
-	-	19.33	-	-	17.06	-	2.26	0.922
-	-	19.33	-	-	-	23.40	4.06	0.399
-	-	-	18.13	15.33	-	-	2.80	0.809
-	-	-	18.13	-	17.06	-	1.06	0.998
-	-	-	18.13	-	-	23.40	5.26	0.116
-	-	-	-	15.33	17.06	-	1.73	0.979
-	-	-	-	15.33	-	23.40	8.06*	0.001
-	-	-	-	-	17.06	23.40	6.33*	0.025

P < 0.05



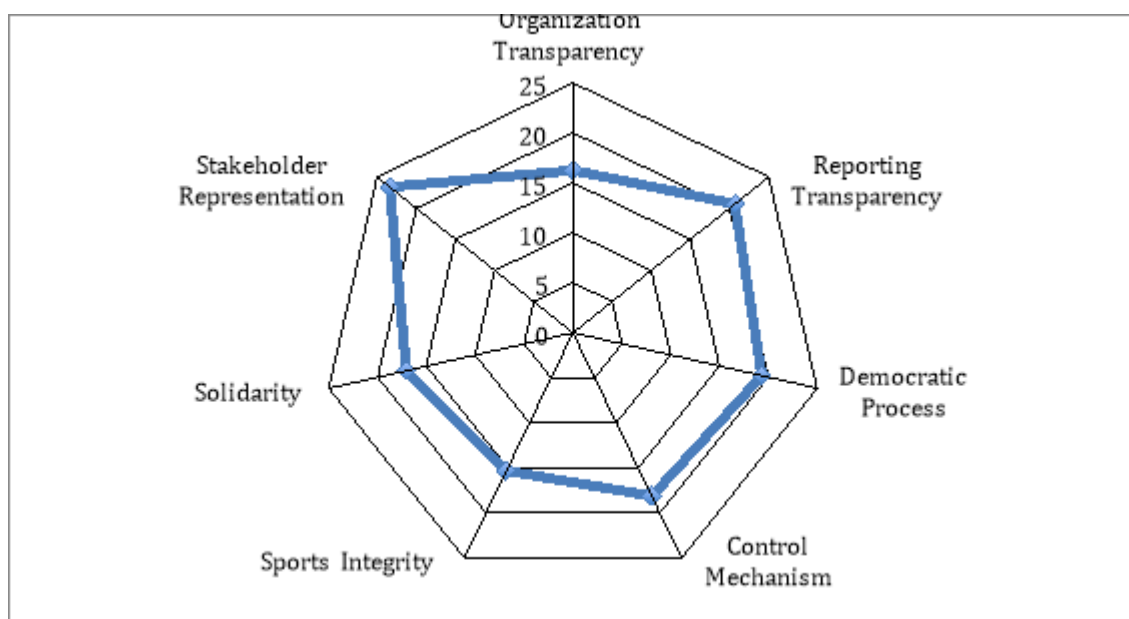
From the above table 4.22, it is made note that the mean difference values between the group Organizational Transparency and Stakeholder Representation of Coaches from Athletics Federation of India is 7.13, Sports Integrity and Stakeholder Representation is 8.06, Solidarity and Stakeholder Representation is 6.33, which are lesser than the significance value 0.05, which shows that coaches involved in Athletics Federation have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that coaches involved in Athletics Federation have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of coaches of Athletics Federation on various dimensions of good governance are graphically presented in figure 4.14.

**Figure 4.14**

**Graphical Representation of the Means of Coaches' Opinion on Different Dimensions of Good Governance of Athletics Federation of India**



**4.6.2. One-way Analysis of Variance among Coaches involving at Badminton Association with regards to various dimensions of good governance.**

**H<sub>2 02</sub>:** There is a significant difference between the opinions of the Coaches of Badminton Association with regard to various dimensions of good governance.

The coaches' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the coaches involved in Badminton Association of India. The results are given in the table 4.23.

**Table 4.23**

**One-Way Analysis of Variance of coaches in Badminton Association of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	461.88	76.98	G1=16.50 G2=20.20 G3=19.50 G4=19.10	F=4.26* P=0.01 P<0.05 Significant
2	Within Groups	63	1136.70	18.04	G5=14.40 G6=16.40 G7=22.60	

G1=Organization Transparency  
G3=Democratic Process  
G5= Sports Integrity  
G7= Stakeholder Representation

G2= Reporting Transparency  
G4= Control Mechanism  
G6= Solidarity

It can be revealed from the table 4.23 that there is a significant difference among the coaches involved in Badminton Association of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>2 02</sub> is accepted. Further, it is also observed that the mean score reveals that the coaches opinion about reporting transparency, democratic process,

control mechanism and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the coaches with regards to good governance. The results are shown in the table 4.24.

**Table 4.24**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Coaches in Badminton Association of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
16.50	20.20	-	-	-	-	-	3.70	0.704
16.50	-	19.50	-	-	-	-	3.00	0.866
16.50	-	-	19.10	-	-	-	2.60	0.928
16.50	-	-	-	14.40	-	-	2.10	0.974
16.50	-	-	-	-	16.40	-	0.10	1.000
16.50	-	-	-	-	-	22.60	6.10	0.131
-	20.20	19.50	-	-	-	-	0.70	1.000
-	20.20	-	19.10	-	-	-	1.10	0.999
-	20.20	-	-	14.40	-	-	5.80	0.176
-	20.20	-	-	-	16.40	-	3.80	0.677
-	20.20	-	-	-	-	22.60	2.40	0.951
-	-	19.50	19.10	-	-	-	0.40	1.000
-	-	19.50	-	14.40	-	-	5.10	0.377
-	-	19.50	-	-	16.40	-	3.10	0.847
-	-	19.50	-	-	-	22.60	3.10	0.847
-	-	-	19.10	14.40	-	-	4.70	0.420
-	-	-	19.10	-	16.40	-	2.70	0.915
-	-	-	19.10	-	-	22.60	3.50	0.756
-	-	-	-	14.40	16.40	-	2.00	0.980
-	-	-	-	14.40	-	22.60	8.20*	0.010
-	-	-	-	-	16.40	22.60	6.20	0.119

P < 0.05

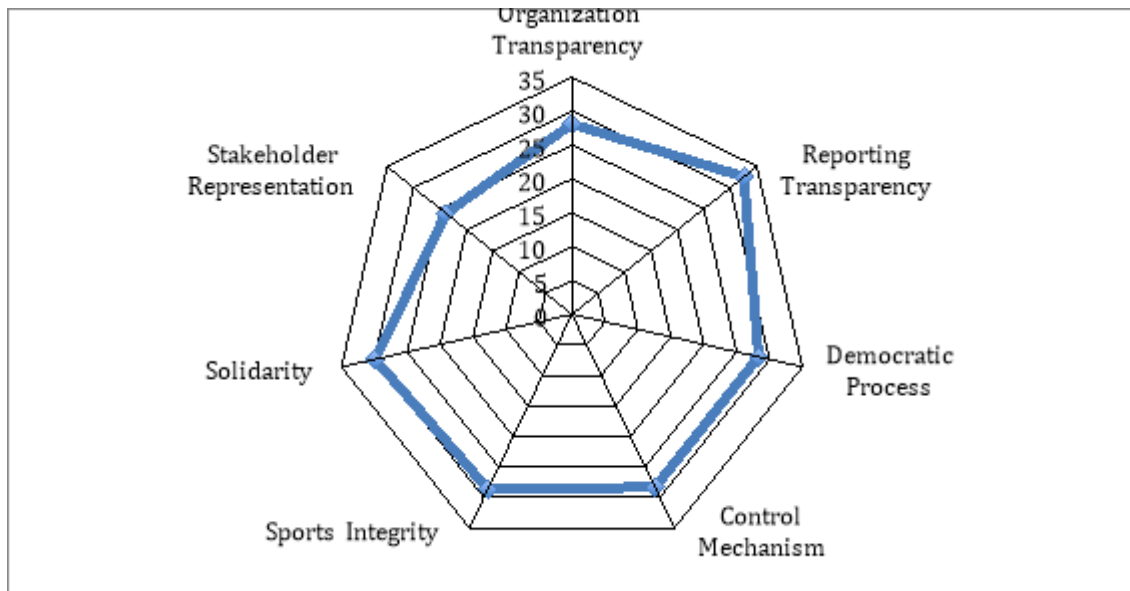
From the above table 4.24, it is inferred that the mean difference values between the group Sports Integrity and Stakeholder Representation of Coaches from Badminton Association of India is 8.20, which are lesser than the significance value 0.05, which shows that coaches involved in Badminton Association of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that coaches involved in Badminton Association of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of coaches of Badminton Association of India on various dimensions of good governance are graphically presented in figure 4.15.

**Figure 4.15**

**Graphical Representation of the Means of Coaches' Opinion on Different Dimensions of Good Governance of Badminton Association of India**



**4.6.3. One-way Analysis of Variance among Coaches involving at Taekwondo Federation with regards to various dimensions of good governance.**

**H<sub>2 03</sub>:** There is a significant difference between the opinions of the Coaches of Taekwondo Federation with regard to various dimensions of good governance.

The coaches' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the coaches involved in Taekwondo Federation of India. The results are given in the table 4.25.

**Table 4.25**

**One-way Analysis of Variance of Coaches in Taekwondo Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	629.33	104.88	G1=21.66 G2=27.88	F=2.00 P=0.08 P<0.05 Not Significant
2	Within Groups	56	2930.66	52.33	G3=24.66 G4=23.00 G5=21.55 G6=23.22 G7=30.66	

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be stated from the table 4.25 that there is no significant difference among the coaches involved in Taekwondo Federation of India with regards to various dimensions of good governance. Since the significance value is greater than 0.05. Therefore, H<sub>2 03</sub> is rejected. Further, it is also observed that the mean score reveals that the coaches opinion about reporting transparency, democratic process,

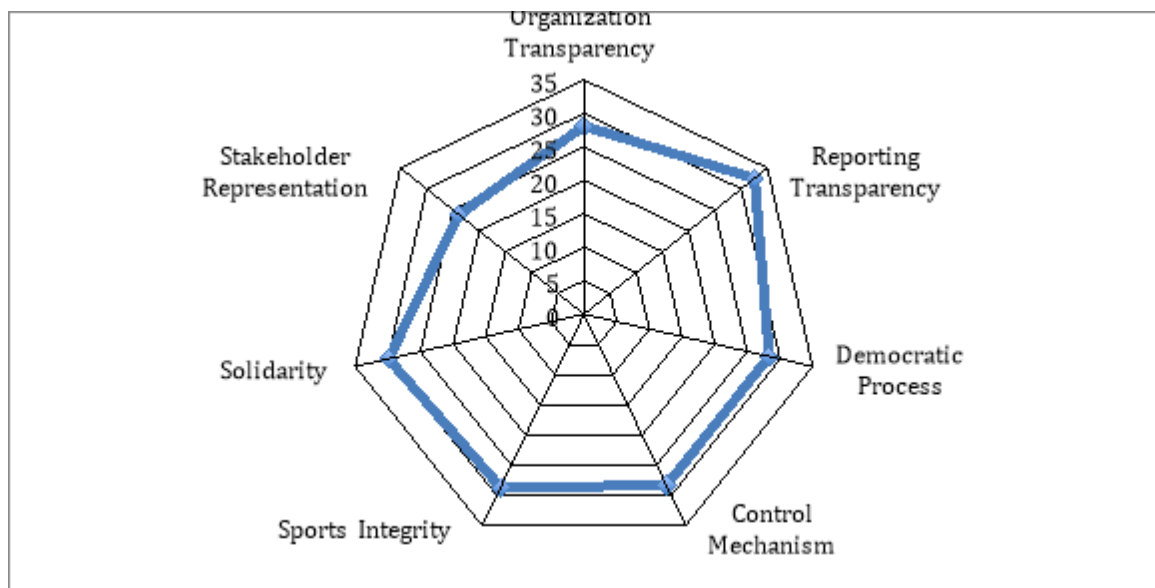
control mechanism and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was not significant, the Scheffe's Post Hoc test was not computed further in order to find out the pair wise mean difference between the dimensions of the coaches with regards to good governance.

The mean values of the opinion of coaches of Taekwondo Federation of India on various dimensions of good governance are graphically presented in figure 4.16.

**Figure 4.16**

**Graphical Representation of the Means of Coaches' Opinion on Different Dimensions of Good Governance of Taekwondo Federation of India**



**4.6.4. One-Way Analysis of Variance among Coaches involving at National Rifle Association with regards to various dimensions of good governance.**

**H<sub>2 04</sub>:** There is a significant difference between the opinions of the Coaches of National Rifle Association with regard to various dimensions of good governance.

The coaches' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the coaches involved in National Rifle Association of India. The results are given in the table 4.26.

**Table 4.26**

**One-way Analysis of Variance of Coaches in National Rifle Association of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	364.98	60.83	G1=17.42 G2=21.14 G3=19.42 G4=19.14 G5=15.00 G6=16.14 G7=23.57	<i>F=2.38*</i> <i>P=0.045</i> <i>P&lt;0.05</i> <i>Significant</i>
2	Within Groups	42	1269.71	25.46		

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be observed from the table 4.26 that there is a significant difference among the coaches involved in National Rifle Association of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>2 04</sub> is accepted. Further, it is also observed that the mean score



reveals that the coaches opinion about reporting transparency, democratic process, control mechanism and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the coaches with regards to good governance. The results are shown in the table 4.27.

**Table 4.27**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Coaches in National Rifle Association of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
17.42	21.14	-	-	-	-	-	3.71	0.925
17.42	-	19.42	-	-	-	-	2.00	0.997
17.42	-	-	19.14	-	-	-	1.71	0.999
17.42	-	-	-	15.00	-	-	2.42	0.991
17.42	-	-	-	-	16.14	-	1.28	1.000
17.42	-	-	-	-	-	23.57	6.14	0.529
-	21.14	19.42	-	-	-	-	1.71	0.999
-	21.14	-	19.14	-	-	-	2.00	0.997
-	21.14	-	-	15.00	-	-	6.14	0.529
-	21.14	-	-	-	16.14	-	5.00	0.750
-	21.14	-	-	-	-	23.57	2.42	0.991
-	-	19.42	19.14	-	-	-	0.28	1.000
-	-	19.42	-	15.00	-	-	4.42	0.841
-	-	19.42	-	-	16.14	-	3.28	0.958
-	-	19.42	-	-	-	23.57	4.14	0.879
-	-	-	19.14	15.00	-	-	4.14	0.879
-	-	-	19.14	-	16.14	-	3.00	0.973
-	-	-	19.14	-	-	23.57	4.42	0.841
-	-	-	-	15.00	16.14	-	1.14	1.000
-	-	-	-	15.00	-	23.57	8.57	0.149
-	-	-	-	-	16.14	23.57	7.42	0.295

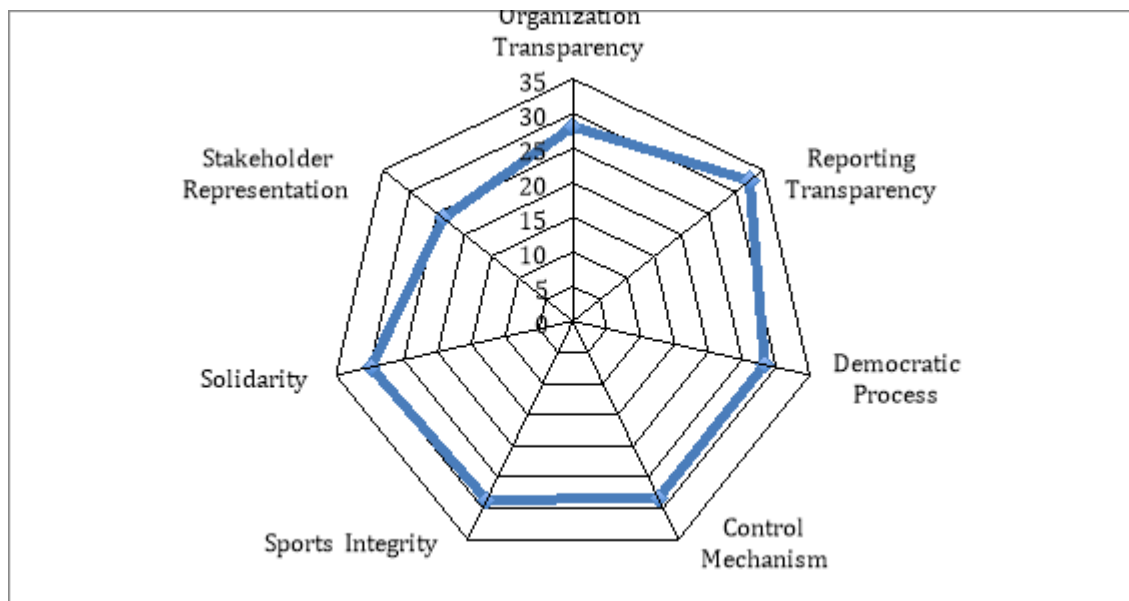
P < 0.05

From the above table 4.27, it is inferred that the mean difference values between the group of all dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation of coaches from National Rifle Association of India are greater than the significance value, which shows that coaches involved in National Rifle Association of India have equal satisfaction level towards all the dimensions of good governance. The mean difference values between the group of Reporting Transparency and Sports Integrity is 5.68 which is the highest and the mean difference values between the group Organizational Transparency and Solidarity is the lowest with 0.36.

The mean values of the opinion of coaches of National Rifle Association of India on various dimensions of good governance are graphically presented in figure 4.17.

**Figure 4.17**

**Graphical Representation of the Means of Coaches' Opinion on Different Dimensions of Good Governance of National Rifle Association of India**



**4.6.5. One-way Analysis of Variance among Coaches involving at Swimming Federation with regards to various dimensions of good governance.**

**H<sub>2 05</sub>:** There is a significant difference between the opinions of the Coaches of Swimming Federation with regard to various dimensions of good governance.

The coaches' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the coaches involved in Swimming Federation of India. The results are given in the table 4.28.

**Table 4.28**

**One-way Analysis of Variance of coaches in Swimming Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Sqaure	Mean	Statistical Inference
1	Between Groups	6	459.47	76.57	G1=19.00 G2=25.66	F=6.35* P=0.00 P<0.05 Significant
2	Within Groups	35	421.66	12.04	G3=21.50 G4=20.83 G5=15.33 G6=16.33 G7=22.33	

*G1=Organization Transparency*

*G2= Reporting Transparency*

*G3=Democratic Process*

*G4= Control Mechanism*

*G5= Sports Integrity*

*G6= Solidarity*

*G7= Stakeholder Representation*

It can be observed from the table 4.28 that there is a significant difference among the coaches involved in Swimming Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>2 05</sub> is accepted. Further, it is also observed that the mean score reveals that the coaches opinion about reporting transparency, democratic process, control

mechanism and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the coaches with regards to good governance. The results are shown in the table 4.29.

**Table 4.29**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Coaches in Swimming Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
19.00	25.66	-	-	-	-	-	6.66	0.119
19.00	-	21.50	-	-	-	-	2.50	0.952
19.00	-	-	20.83	-	-	-	1.83	0.990
19.00	-	-	-	15.33	-	-	3.66	0.760
19.00	-	-	-	-	16.33	-	2.66	0.935
19.00	-	-	-	-	-	22.33	3.33	0.832
-	25.66	21.50	-	-	-	-	4.16	0.636
-	25.66	-	20.83	-	-	-	4.83	0.460
-	25.66	-	-	15.33	-	-	10.33*	0.002
-	25.66	-	-	-	16.33	-	9.33*	0.007
-	25.66	-	-	-	-	22.33	3.33	0.832
-	-	21.50	20.83	-	-	-	0.66	1.000
-	-	21.50	-	15.33	-	-	6.16	0.183
-	-	21.50	-	-	16.33	-	5.16	0.378
-	-	21.50	-	-	-	22.33	0.83	1.000
-	-	-	20.83	15.33	-	-	5.50	0.303
-	-	-	20.83	-	16.33	-	4.50	0.547
-	-	-	20.83	-	-	22.33	1.50	0.997
-	-	-	-	15.33	16.33	-	1.00	1.000
-	-	-	-	15.33	-	22.33	7.00	0.087
-	-	-	-	-	16.33	22.33	6.00	0.209

P < 0.05

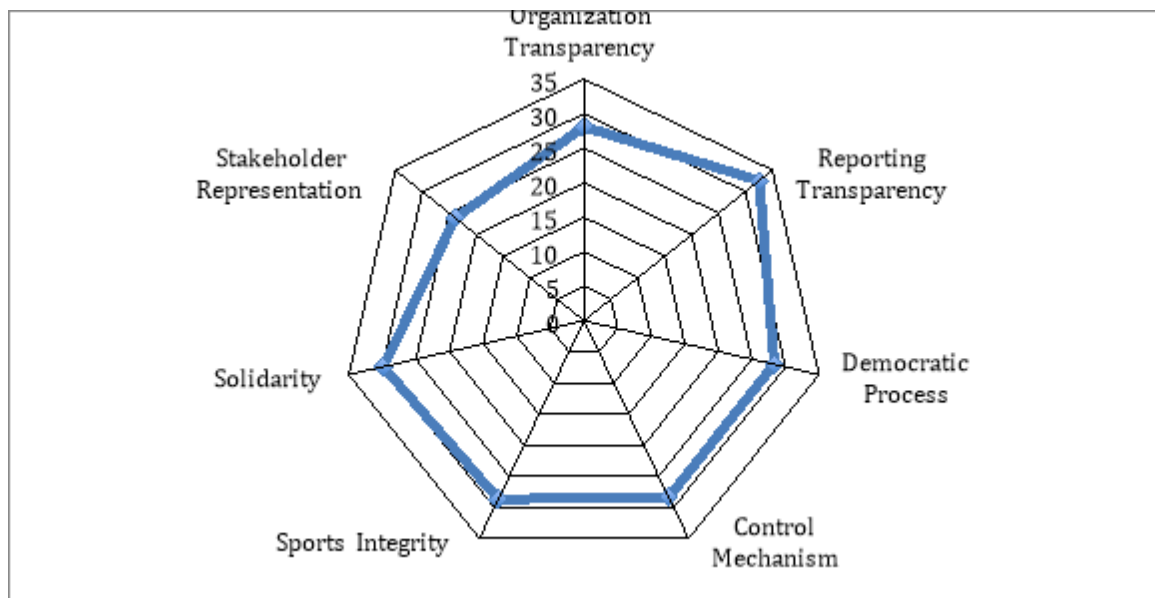
From the above table 4.29, it is understood that the mean difference values between the group Reporting Transparency and Sports Integrity of Coaches from Swimming Federation of India is 10.33, Reporting Transparency and Solidarity is 9.33, which are lesser than the significance value 0.05, which shows that coaches involved in Swimming Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that coaches involved in Swimming Federation of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of coaches of Swimming Federation of India on various dimensions of good governance are graphically presented in figure 4.18.

**Figure 4.18**

**Graphical Representation of the Means of Coaches' Opinion on Different Dimensions of Good Governance of Swimming Federation of India**



**4.6.6. One-way Analysis of Variance among Coaches involving at Volleyball Federation with regards to various dimensions of good governance.**

**H<sub>2 06</sub>:** There is a significant difference between the opinions of the Coaches of Volleyball Federation with regard to various dimensions of good governance.

The coaches' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the coaches involved in Volleyball Federation of India. The results are given in the table 4.30.

**Table 4.30**

**One-way Analysis of Variance of Coaches in Volleyball Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	358.76	59.79	G1=28.11 G2=32.55	F=9.489* P=0.00 P<0.05 Significant
2	Within Groups	56	352.88	6.30	G3=28.33 G4=28.33 G5=28.66 G6=29.88 G7=23.88	

*G1=Organization Transparency*

*G3=Democratic Process*

*G5= Sports Integrity*

*G7= Stakeholder Representation*

*G2= Reporting Transparency*

*G4= Control Mechanism*

*G6= Solidarity*

It can be identified from the table 4.30 that there is a significant difference among the coaches involved in Volleyball Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>2 06</sub> is accepted. Further, it is also observed that the mean score reveals



that the coaches opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the coaches with regards to good governance. The results are shown in the table 4.31.

**Table 4.31**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Coaches in Volleyball Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
28.11	32.55	-	-	-	-	-	4.44*	0.043
28.11	-	28.33	-	-	-	-	0.22	1.000
28.11	-	-	28.33	-	-	-	0.22	1.000
28.11	-	-	-	28.66	-	-	0.55	1.000
28.11	-	-	-	-	29.88	-	1.77	0.891
28.11	-	-	-	-	-	23.88	4.22	0.065
-	32.55	28.33	-	-	-	-	4.22	0.065
-	32.55	-	28.33	-	-	-	4.22	0.065
-	32.55	-	-	28.66	-	-	3.88	0.116
-	32.55	-	-	-	29.88	-	2.66	0.540
-	32.55	-	-	-	-	23.88	8.66*	0.000
-	-	28.33	28.33	-	-	-	0.00	1.000
-	-	28.33	-	28.66	-	-	0.33	1.000
-	-	28.33	-	-	29.88	-	1.55	0.940
-	-	28.33	-	-	-	23.88	4.44*	0.043
-	-	-	28.33	28.66	-	-	0.33	1.000
-	-	-	28.33	-	29.88	-	1.55	0.940
-	-	-	28.33	-	-	23.88	4.44*	0.043
-	-	-	-	28.66	29.88	-	1.22	0.982
-	-	-	-	28.66	-	23.88	4.77*	0.022
-	-	-	-	-	29.88	23.88	6.00*	0.001

P < 0.05

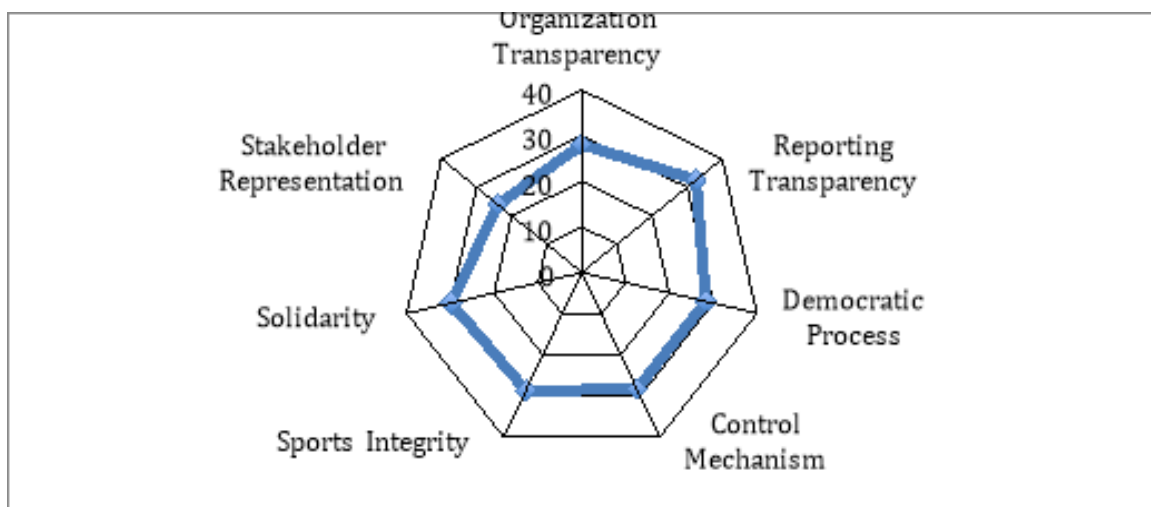
From the above table 4.31, it is made note that the mean difference values between the group Organizational Transparency and Reporting Transparency of Coaches from Volleyball Federation of India is 4.44, Reporting Transparency and Stakeholder Representation is 8.66, Democratic Process and Stakeholder Representation is 4.44, Control Mechanism and Stakeholder Representation is 4.44, Sports Integrity and Stakeholder Representation is 4.77, Solidarity and Stakeholder Representation is 6.00 which are lesser than the significance value 0.05, which shows that coaches involved in Volleyball Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that coaches involved in Volleyball Federation of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of coaches of Volleyball Federation of India on various dimensions of good governance are graphically presented in figure 4.19.

**Figure 4.19**

**Graphical Representation of the Means of Coaches' Opinion on Different Dimensions of Good Governance of Volleyball Federation of India**



#### **4.7. ANALYSIS RELATED TO OFFICIALS' OPINION ABOUT GOOD GOVERNANCE OF VARIOUS NATIONAL SPORTS FEDERATION:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference in the opinion of the officials of all National Federation with regards to the dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation.

##### **Hypothesis 3:**

There is a significant difference between the opinions of the Officials of all National Federation with regard to various dimensions of good governance.

The researcher has used suitable research tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regard to all the dimensions of good governance. They are discussed below:

##### **4.7.1. One-Way Analysis of Variance among Officials involving at Athletics Federation with regards to various dimensions of good governance.**

**H<sub>3 01</sub>:** There is a significant difference between the opinions of the Officials of Athletics Federation with regard to various dimensions of good governance.

The officials' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the officials involved in Athletics Federation of India. The results are given in the table 4.32.

**Table 4.32**

**One-way Analysis of Variance of Officials in Athletics Federation of India  
With regard to Good Governance**

S.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	363.42	60.57	G1=27.62 G2=32.37 G3=27.62 G4=26.37 G5=26.37 G6=26.62 G7=23.12	F=3.31* P=0.008 P<0.05 Significant
2	Within Groups	49	894.12	18.24		

*G1=Organization Transparency*

*G2= Reporting Transparency*

*G3=Democratic Process*

*G4= Control Mechanism*

*G5= Sports Integrity*

*G6= Solidarity*

*G7= Stakeholder Representation*

It can be understood from the table 4.32 that there is a significant difference among the officials involved in Athletics federation with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore,  $H_{3,01}$  is accepted. Further, it is also observed that the mean score reveals that the officials opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the officials with regards to good governance. The results are shown in the table 4.33.

**Table 4.33**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Officials in Athletics Federation on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
27.62	32.37	-	-	-	-	-	4.75	0.557
27.62	-	27.62	-	-	-	-	0.00	1.000
27.62	-	-	26.37	-	-	-	1.25	0.999
27.62	-	-	-	26.37	-	-	1.25	0.999
27.62	-	-	-	-	26.62	-	1.00	1.000
27.62	-	-	-	-	-	23.12	4.50	0.620
-	32.37	27.62	-	-	-	-	4.75	0.557
-	32.37	-	26.37	-	-	-	6.00	0.268
-	32.37	-	-	26.37	-	-	6.00	0.268
-	32.37	-	-	-	26.62	-	5.75	0.318
-	32.37	-	-	-	-	23.12	9.25*	0.011
-	-	27.62	26.37	-	-	-	1.25	0.999
-	-	27.62	-	26.37	-	-	1.25	0.999
-	-	27.62	-	-	26.62	-	1.00	1.000
-	-	27.62	-	-	-	23.12	4.50	0.620
-	-	-	26.37	26.37	-	-	0.00	1.000
-	-	-	26.37	-	26.62	-	0.25	1.000
-	-	-	26.37	-	-	23.12	3.25	0.885
-	-	-	-	26.37	26.62	-	0.25	1.000
-	-	-	-	26.37	-	23.12	3.25	0.885
-	-	-	-	-	26.62	23.12	3.50	0.843

P < 0.05

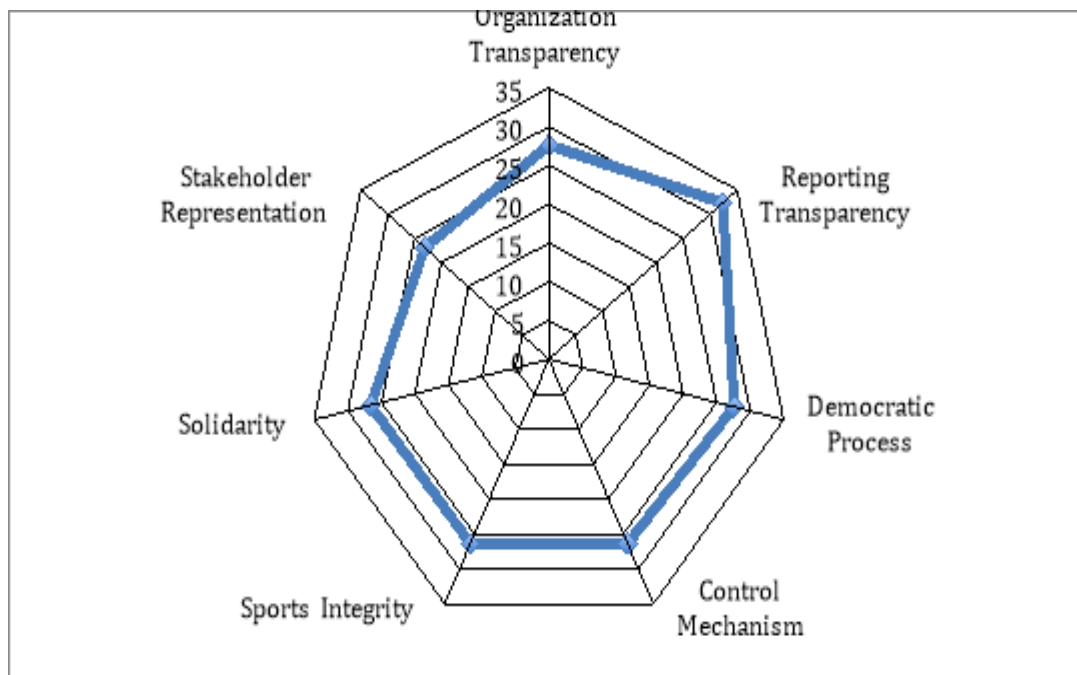
From the above table 4.33, it is stated that the mean difference values between the group Reporting Transparency and Stakeholder Representation of Officials from Athletics Federation of India is 9.25, which are lesser than the significance value 0.05, which shows that officials involved in Athletics Federation have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that officials involved in Athletics Federation have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of officials of Athletics Federation on various dimensions of good governance are graphically presented in figure 4.20.

**Figure 4.20**

**Graphical Representation of the Means of Officials' Opinion on Different Dimensions of Good Governance of Athletics Federation of India**



**4.7.2. One-Way Analysis of Variance among Officials involving at Badminton Association with regards to various dimensions of good governance.**

**H<sub>3 02</sub>:** There is a significant difference between the opinions of the Officials of Badminton Association with regard to various dimensions of good governance.

The officials' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the officials involved in Badminton Association of India. The results are given in the table 4.34.

**Table 4.34**

**One-way Analysis of Variance of Officials in Badminton Association of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	370.76	61.79	G1=17.44 G2=20.22	F=3.07* P=0.011 P<0.05 Significant
2	Within Groups	56	1126.22	20.11	G3=19.88 G4=18.55 G5=15.88 G6=16.55 G7=23.55	

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be observed from the table 4.34 that there is a significant difference among the officials involved in Badminton Association of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>3 02</sub> is accepted. Further, it is also observed that the mean score reveals that the officials opinion about reporting transparency, democratic process,



and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the officials with regards to good governance. The results are shown in the table 4.35.

**Table 4.35**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Officials in Badminton Association of India on Good Governance**

Organizational Transparency	Reporting Transparency	Democratic Process	Control Mechanism	Sports Integrity	Solidarity	Stakeholder Representation	Mean Difference	Significance
17.44	20.22	-	-	-	-	-	2.77	0.940
17.44	-	19.88	-	-	-	-	2.44	0.968
17.44	-	-	18.55	-	-	-	1.11	1.000
17.44	-	-	-	15.88	-	-	1.55	0.997
17.44	-	-	-	-	16.55	-	0.88	1.000
17.44	-	-	-	-	-	23.55	6.11	0.234
-	20.22	19.88	-	-	-	-	0.33	1.000
-	20.22	-	18.55	-	-	-	1.66	0.996
-	20.22	-	-	15.88	-	-	4.33	0.650
-	20.22	-	-	-	16.55	-	3.66	0.805
-	20.22	-	-	-	-	23.55	3.33	0.866
-	-	19.88	18.55	-	-	-	1.33	0.999
-	-	19.88	-	15.88	-	-	4.00	0.732
-	-	19.88	-	-	16.55	-	3.33	0.866
-	-	19.88	-	-	-	23.55	3.66	0.805
-	-	-	18.55	15.88	-	-	2.66	0.951
-	-	-	18.55	-	16.55	-	2.00	0.988
-	-	-	18.55	-	-	23.55	5.00	0.479
-	-	-	-	15.88	16.55	-	0.66	1.000
-	-	-	-	15.88	-	23.55	7.66	0.057
-	-	-	-	-	16.55	23.55	7.00	0.110

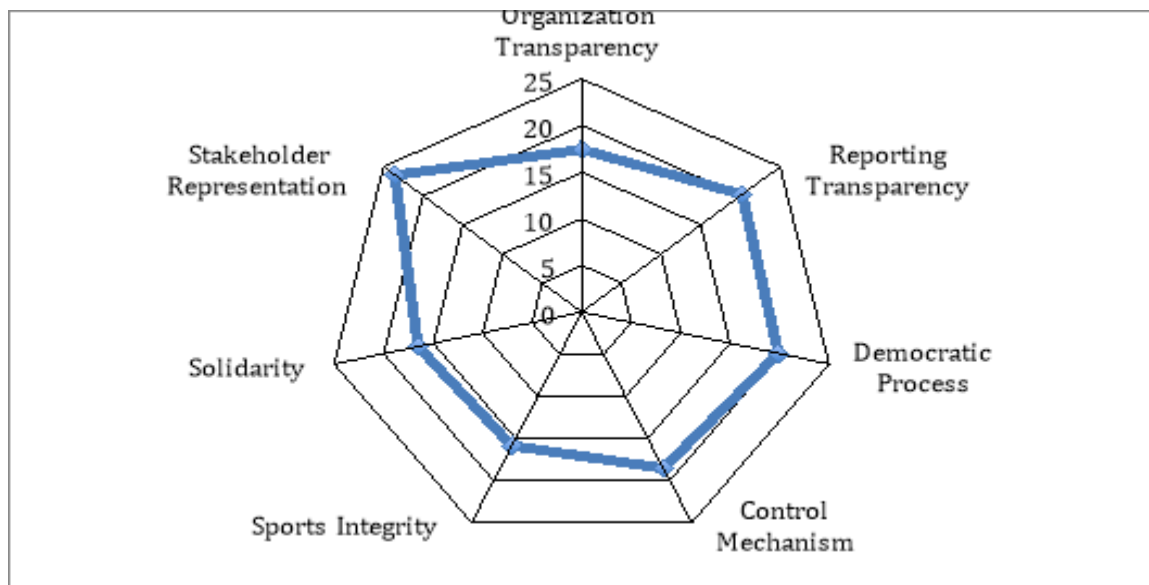
P < 0.05

From the above table 4.35, it is revealed that the mean difference values between the group of all dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation of officials from Badminton Association of India are greater than the significance value, which shows that officials involved in Badminton Association of India have equal satisfaction level towards all the dimensions of good governance. The mean difference values between the group of Sports Integrity and Stakeholder Representation is 7.66 which is the highest and the mean difference values between the group Reporting Transparency and Democratic Process is the lowest with 0.33.

The mean values of the opinion of officials of Badminton Association of India on various dimensions of good governance are graphically presented in figure 4.21.

**Figure 4.21**

**Graphical Representation of the Means of Officials' Opinion on Different Dimensions of Good Governance of Badminton Association of India**



**4.7.3. One-Way Analysis of Variance among officials involving at Taekwondo Federation with regards to various dimensions of good governance.**

**H<sub>3 03</sub>:** There is a significant difference between the opinions of the Officials of Taekwondo Federation with regard to various dimensions of good governance.

The officials' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the officials involved in Taekwondo Federation of India. The results are given in the table 4.36.

**Table 4.36**

**One-Way Analysis of Variance of Officials in Taekwondo Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	398.57	66.42	G1=14.83 G2=21.33 G3=17.33 G4=19.00 G5=15.00 G6=15.83 G7=23.50	F=2.81* P=0.024 P<0.05 Significant
2	Within Groups	35	825.83	23.59		

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be identified from the table 4.36 that there is a significant difference among the officials involved in Taekwondo Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>3 03</sub> is accepted. Further, it is also observed that the mean score reveals that the officials opinion about reporting transparency, control mechanism and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the officials with regards to good governance. The results are shown in the table 4.37.

**Table 4.37**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Officials in Taekwondo Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
14.83	21.33	-	-	-	-	-	6.50	0.509
14.83	-	17.33	-	-	-	-	2.50	0.991
14.83	-	-	19.00	-	-	-	4.16	0.894
14.83	-	-	-	15.00	-	-	0.16	1.000
14.83	-	-	-	-	15.83	-	1.00	1.000
14.83	-	-	-	-	-	23.50	8.66	0.179
-	21.33	17.33	-	-	-	-	4.00	0.911
-	21.33	-	19.00	-	-	-	2.33	0.994
-	21.33	-	-	15.00	-	-	6.33	0.541
-	21.33	-	-	-	15.83	-	5.50	0.697
-	21.33	-	-	-	-	23.50	2.16	0.996
-	-	17.33	19.00	-	-	-	1.66	0.999
-	-	17.33	-	15.00	-	-	2.33	0.994
-	-	17.33	-	-	15.83	-	1.50	0.999
-	-	17.33	-	-	-	23.50	6.16	0.572
-	-	-	19.00	15.00	-	-	4.00	0.911
-	-	-	19.00	-	15.83	-	3.16	0.970
-	-	-	19.00	-	-	23.50	4.50	0.854
-	-	-	-	15.00	15.83	-	0.83	1.000
-	-	-	-	15.00	-	23.50	8.50	0.197
-	-	-	-	-	15.83	23.50	7.66	0.307

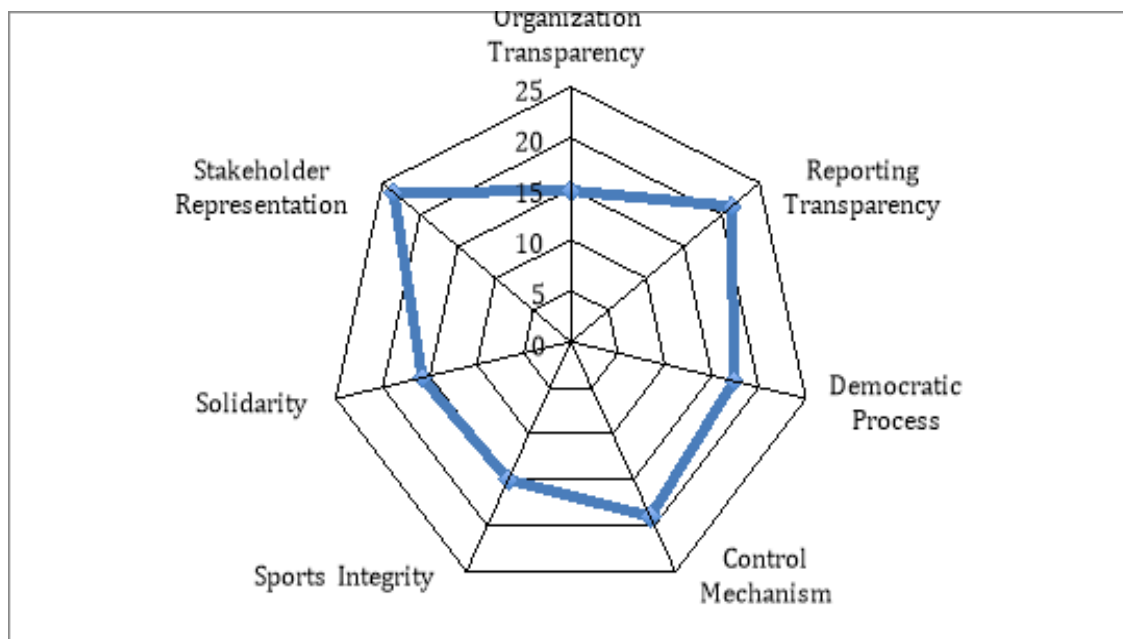
P < 0.05

From the above table 4.37, it is observed that the mean difference values between the group of all dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation of officials from Taekwondo Federation of India are greater than the significance value, which shows that officials involved in Taekwondo Federation of India have equal satisfaction level towards all the dimensions of good governance. The mean difference values between the group of Organizational Transparency and Stakeholder Representation is 8.66 which is the highest and the mean difference values between the group Organizational Transparency and Sports Integrity is the lowest with 0.16.

The mean values of the opinion of officials of Taekwondo Federation of India on various dimensions of good governance are graphically presented in figure 4.22.

**Figure 4.22**

**Graphical Representation of the Means of Officials' Opinion on Different Dimensions of Good Governance of Taekwondo Federation of India**



**4.7.4. One-way Analysis of Variance among officials involving at National Rifle Association with regards to various dimensions of good governance.**

**H<sub>3 04</sub>:** There is a significant difference between the opinions of the Officials of National Rifle Association with regard to various dimensions of good governance.

The officials' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the officials involved in National Rifle Association of India. The results are given in the table 4.38.

**Table 4.38**

**One-way Analysis of Variance of Officials in National Rifle Association of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum Square	Mean	Statistical Inference
1	Between Groups	6	466.00	77.66	G1=18.00 G2=22.66 G3=20.25 G4=18.58	F=2.60* P=0.024 P<0.05 Significant
2	Within Groups	77	2296.41	29.82	G5=16.41 G6=18.00 G7=23.16	

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be made note from the table 4.38 that there is a significant difference among the officials involved in National Rifle Association of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>3 04</sub> is accepted. Further, it is also observed that the mean score reveals that the official's opinion about reporting transparency, democratic process,



and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the officials with regards to good governance. The results are shown in the table 4.39.

**Table 4.39**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Officials in National Rifle Association of India on good governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
18.00	22.66	-	-	-	-	-	4.66	0.627
18.00	-	20.25	-	-	-	-	2.25	0.984
18.00	-	-	18.58	-	-	-	0.58	1.000
18.00	-	-	-	16.41	-	-	1.58	0.998
18.00	-	-	-	-	18.00	-	0.00	1.000
18.00	-	-	-	-	-	23.16	5.16	0.503
-	22.66	20.25	-	-	-	-	2.41	0.977
-	22.66	-	18.58	-	-	-	4.08	0.761
-	22.66	-	-	16.41	-	-	6.25	0.263
-	22.66	-	-	-	18.00	-	4.66	0.627
-	22.66	-	-	-	-	23.16	0.50	1.000
-	-	20.25	18.58	-	-	-	1.66	0.997
-	-	20.25	-	16.41	-	-	3.83	0.812
-	-	20.25	-	-	18.00	-	2.25	0.984
-	-	20.25	-	-	-	23.16	2.96	0.942
-	-	-	18.58	16.41	-	-	2.16	0.987
-	-	-	18.58	-	18.00	-	0.58	1.000
-	-	-	18.58	-	-	23.16	4.58	0.647
-	-	-	-	16.41	18.00	-	1.58	0.998
-	-	-	-	16.41	-	23.16	6.75	0.180
-	-	-	-	-	18.00	23.16	5.16	0.503

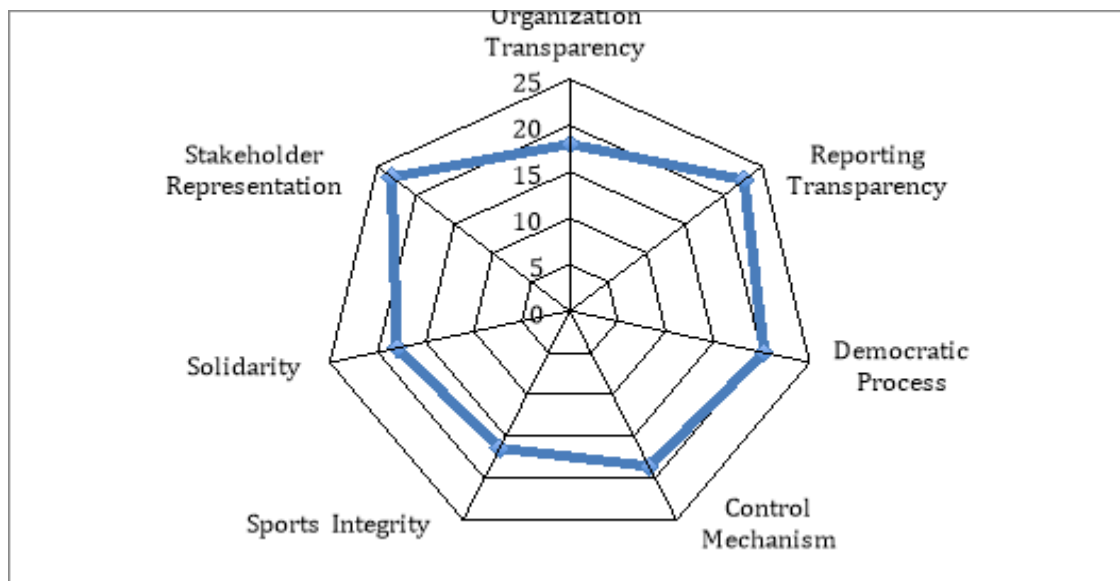
P < 0.05

From the above table 4.39, it is understood that the mean difference values between the group of all dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation of officials from National Rifle Association of India are greater than the significance value 0.05, which shows that officials involved in National Rifle Association of India have equal satisfaction level towards all the dimensions of good governance. The mean difference values between the group of Sports Integrity and Stakeholder Representation is 6.75 which is the highest and the mean difference values between the group Organizational Transparency and Solidarity is the lowest with 0.00.

The mean values of the opinion of officials of National Rifle Association of India on various dimensions of good governance are graphically presented in figure 4.23.

**Figure 4.23**

**Graphical Representation of the Means of Officials' Opinion on Different Dimensions of Good Governance of National Rifle Association of India**



**4.7.5. One-Way Analysis of Variance among officials involving at Swimming Federation with regards to various dimensions of good governance.**

**H<sub>3 05</sub>:** There is a significant difference between the opinions of the Officials of Swimming Federation with regard to various dimensions of good governance.

The officials' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the officials involved in Swimming Federation of India. The results are given in the table 4.40.

**Table 4.40**

**One-Way Analysis of Variance of Officials in Swimming Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean sum of Square	Mean	Statistical Inference
1	Between Groups	6	512.72	85.45	G1=16.27 G2=20.18 G3=19.27 G4=18.90 G5=14.27 G6=16.45 G7=22.54	F=5.18* P=0.000 P<0.05 Significant
2	Within Groups	70	1154.54	16.49		

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be revealed from the table 4.40 that there is a significant difference among the officials involved in Swimming Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>3 05</sub> is accepted. Further, it is also observed that the mean score reveals that the officials opinion about reporting transparency, democratic process, and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the officials with regards to good governance. The results are shown in the table 4.41.

**Table 4.41**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Officials in Swimming Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
16.27	20.18	-	-	-	-	-	3.90	0.537
16.27	-	19.27	-	-	-	-	3.00	0.806
16.27	-	-	18.90	-	-	-	2.63	0.885
16.27	-	-	-	14.27	-	-	2.00	0.968
16.27	-	-	-	-	16.45	-	0.18	1.000
16.27	-	-	-	-	-	22.54	6.27	0.054
-	20.18	19.27	-	-	-	-	0.90	1.000
-	20.18	-	18.90	-	-	-	1.27	0.997
-	20.18	-	-	14.27	-	-	5.90	0.086
-	20.18	-	-	-	16.45	-	3.72	0.594
-	20.18	-	-	-	-	22.54	2.36	0.929
-	-	19.27	18.90	-	-	-	0.36	1.000
-	-	19.27	-	14.27	-	-	5.00	0.231
-	-	19.27	-	-	16.45	-	2.81	0.849
-	-	19.27	-	-	-	22.54	3.27	0.733
-	-	-	18.90	14.27	-	-	4.63	0.319
-	-	-	18.90	-	16.45	-	2.45	0.916
-	-	-	18.90	-	-	22.54	3.63	0.623
-	-	-	-	14.27	16.45	-	2.18	0.952
-	-	-	-	14.27	-	22.54	8.27*	0.002
-	-	-	-	-	16.45	22.54	6.09	0.069

P < 0.05

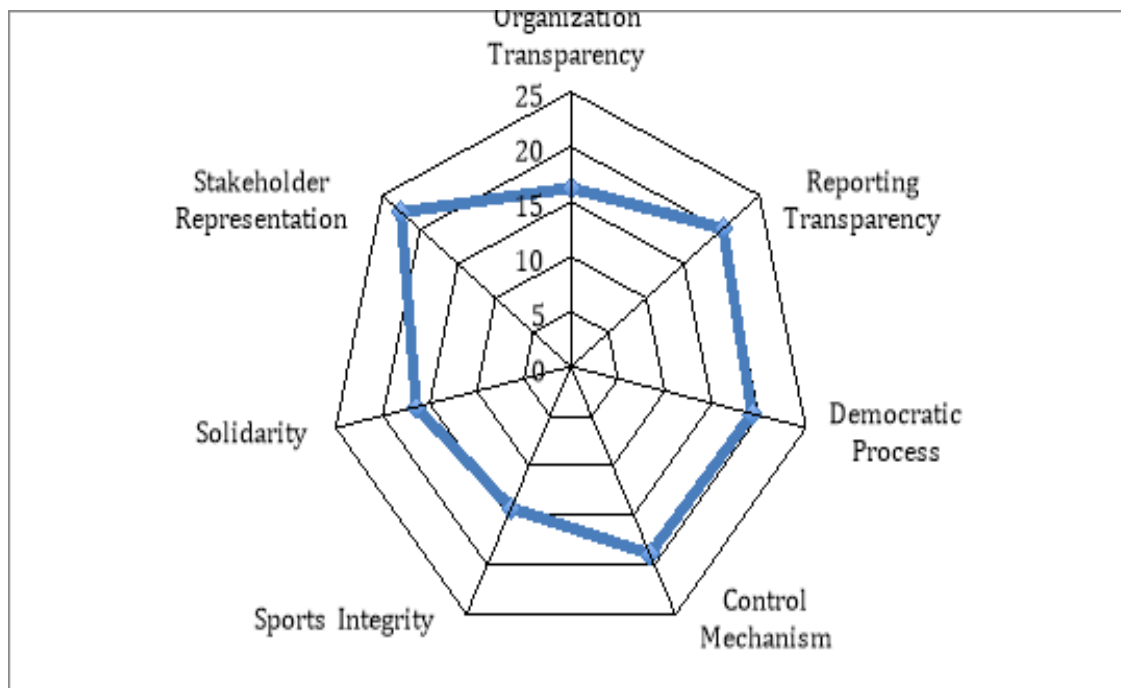
From the above table 4.41, it is understood that the mean difference values between the group Sports Integrity and Stakeholder Representation of Officials from Swimming Federation of India is 8.27, which are lesser than the significance value 0.05, which shows that officials involved in Swimming Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that officials involved in Swimming Federation of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of officials of Swimming Federation of India on various dimensions of good governance are graphically presented in figure 4.24.

**Figure 4.24**

**Graphical Representation of the Means of Officials' Opinion on Different Dimensions of Good Governance of Swimming Federation of India**



**4.7.6. One-Way Analysis of Variance among officials involving at Volleyball Federation with regards to various dimensions of good governance.**

**H<sub>3 06</sub>:** There is a significant difference between the opinions of the Officials of Volleyball Federation with regard to various dimensions of good governance.

The officials' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the officials involved in Volleyball Federation of India. The results are given in the table 4.42.

**Table 4.42**

**One-way Analysis of Variance of Officials in Volleyball Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	263.20	43.86	G1=29.20 G2=33.60	F=7.75* P=0.000 P<0.05 Significant
2	Within Groups	28	158.40	5.65	G3=28.60 G4=28.60 G5=29.00 G6=29.20 G7=23.40	

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be stated from the table 4.42 that there is a significant difference among the officials involved in Volleyball Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, **H<sub>3 06</sub>** is accepted. Further, it is also observed that the mean score reveals that the official's opinion about all the dimensions are found to be more inclined towards good governance.



Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the officials with regards to good governance. The results are shown in the table 4.43.

**Table 4.43**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Officials in Volleyball Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
29.20	33.60	-	-	-	-	-	4.40	0.240
29.20	-	28.60	-	-	-	-	0.600	1.000
29.20	-	-	28.60	-	-	-	0.60	1.000
29.20	-	-	-	29.00	-	-	0.20	1.000
29.20	-	-	-	-	29.20	-	0.00	1.000
29.20	-	-	-	-	-	23.40	5.80*	0.048
-	33.60	28.60	-	-	-	-	5.00	0.127
-	33.60	-	28.60	-	-	-	5.00	0.127
-	33.60	-	-	29.00	-	-	4.60	0.196
-	33.60	-	-	-	29.20	-	4.40	0.240
-	33.60	-	-	-	-	23.40	10.20*	0.000
-	-	28.60	28.60	-	-	-	0.00	1.000
-	-	28.60	-	29.00	-	-	0.40	1.000
-	-	28.60	-	-	29.20	-	0.60	1.000
-	-	28.60	-	-	-	23.40	5.20	0.101
-	-	-	28.60	29.00	-	-	0.40	1.000
-	-	-	28.60	-	29.20	-	0.60	1.000
-	-	-	28.60	-	-	23.40	5.20	0.101
-	-	-	-	29.00	29.20	-	0.20	1.000
-	-	-	-	29.00	-	23.40	5.60	0.062
-	-	-	-	-	29.20	23.40	5.80*	0.048

P < 0.05

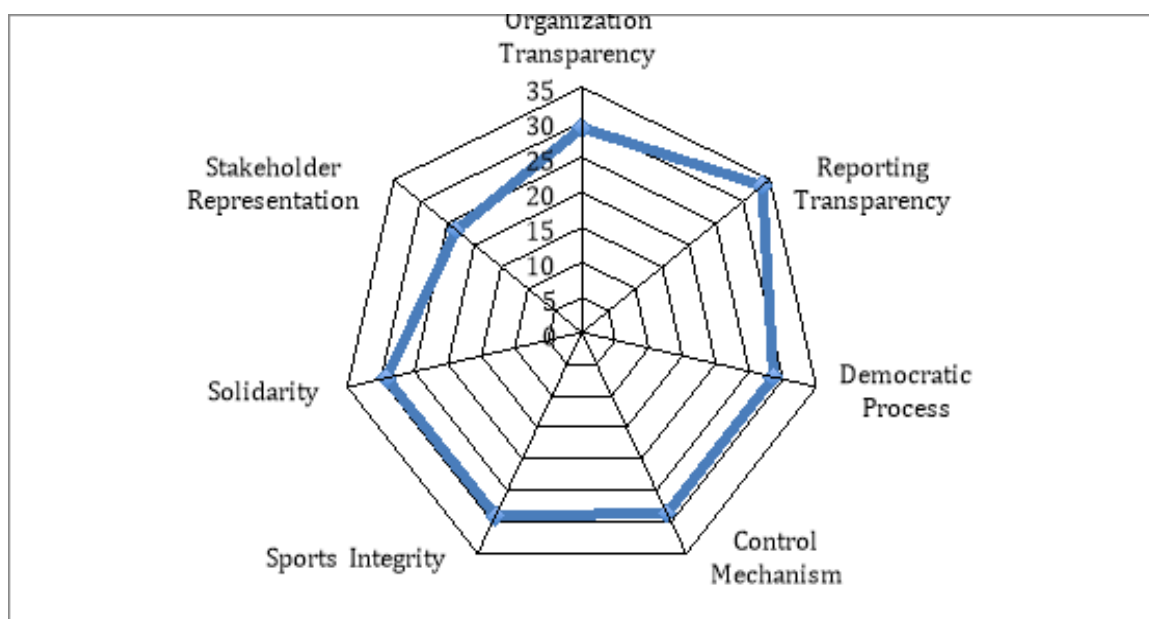
From the above table 4.43, it is revealed that the mean difference values between the group Organizational Transparency and Stakeholder Representation of Officials from Volleyball Federation of India is 5.80, Reporting Transparency and Stakeholder Representation is 10.22, Solidarity and Stakeholder Representation is 5.80, which are greater than the significance value 0.05, which shows that officials involved in Volleyball Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that officials involved in Volleyball Federation of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of officials of Volleyball Federation of India on various dimensions of good governance are graphically presented in figure 4.25.

**Figure 4.25**

**Graphical Representation of the Means of Officials' Opinion on Different Dimensions of Good Governance of Volleyball Federation of India**



#### **4.8. ANALYSIS RELATED TO ADMINISTRATORS' OPINION ON GOOD GOVERNANCE OF VARIOUS NATIONAL SPORTS FEDERATION:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference in the opinion of the administrators of all National Federation with regards to the dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation.

##### **Hypothesis 4:**

There is a significant difference between the opinions of the Administrators of all National Federation with regard to various dimensions of good governance.

The researcher has used suitable research tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regard to all the dimensions of good governance. They are discussed below:

##### **4.8.1. One-Way Analysis of Variance among administrators involving at Athletics Federation with regards to various dimensions of good governance.**

**H<sub>4 01</sub>:** There is a significant difference between the opinions of the Administrators of Athletics Federation with regard to various dimensions of good governance.

The administrators' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the administrators involved in Athletics Federation of India. The results are given in the table 4.44.

**Table 4.44**

**One-way Analysis of Variance of Administrators in Athletics Federation of India  
With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	185.92	30.98	G1=28.50 G2=32.00	F=6.34* P=0.001 P<0.05 Significant
2	Within Groups	21	102.50	4.88	G3=28.50 G4=30.00 G5=29.50 G6=32.75 G7=24.25	

*G1=Organization Transparency*

*G2= Reporting Transparency*

*G3=Democratic Process*

*G4= Control Mechanism*

*G5= Sports Integrity*

*G6= Solidarity*

*G7= Stakeholder Representation*

It can be stated from the table 4.44 that there is a significant difference among the administrators involved in Athletics federation with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore,  $H_{01}$  is accepted. Further, it is also observed that the mean score reveals that the administrator's opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the administrators with regards to good governance. The results are shown in the table 4.45.

**Table 4.45**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Administrators in Athletics Federation on Good Governance**

Organizational Transparency	Reporting Transparency	Democratic Process	Control Mechanism	Sports Integrity	Solidarity	Stakeholder Representation	Mean Difference	Significance
28.50	32.00	-	-	-	-	-	3.50	0.555
28.50	-	28.50	-	-	-	-	0.00	1.000
28.50	-	-	30.00	-	-	-	1.50	0.986
28.50	-	-	-	29.50	-	-	1.00	0.998
28.50	-	-	-	-	32.75	-	4.25	0.329
28.50	-	-	-	-	-	24.25	4.25	0.329
-	32.00	28.50	-	-	-	-	3.50	0.555
-	32.00	-	30.00	-	-	-	2.00	0.943
-	32.00	-	-	29.50	-	-	2.50	0.853
-	32.00	-	-	-	32.75	-	0.75	1.000
-	32.00	-	-	-	-	24.25	7.75*	0.007
-	-	28.50	30.00	-	-	-	1.50	0.986
-	-	28.50	-	29.50	-	-	1.00	0.998
--	-	28.50	-	-	32.75	-	4.25	0.329
-	-	28.50	-	-	-	24.25	4.25	0.329
-	-	-	30.00	29.50	-	-	0.50	1.000
-	-	-	30.00	-	32.75	-	2.75	0.789
-	-	-	30.00	-	-	24.25	5.75	0.077
-	-	-	-	29.50	32.75	-	3.25	0.637
-	-	-	-	29.50	-	24.25	5.25	0.131
-	-	-	-	-	32.75	24.25	8.50*	0.003

P < 0.05

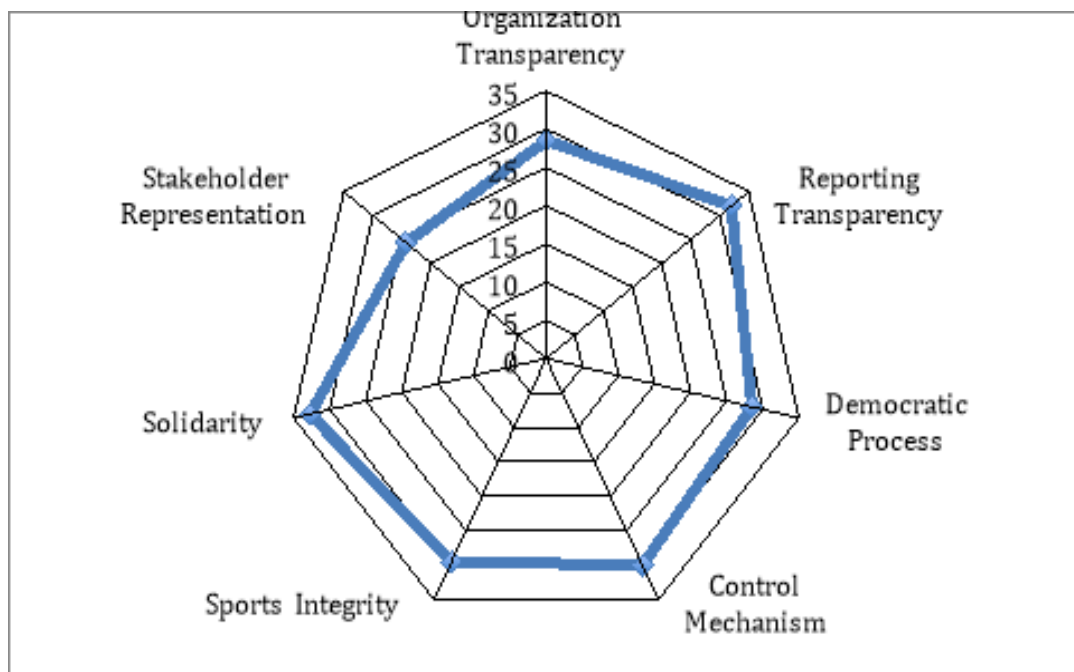
From the above table 4.45, it is understood that the mean difference values between the group Reporting Transparency and Stakeholder Representation of Administrators from Athletics Federation of India is 7.75, Solidarity and Stakeholder Representation is 8.50, which are lesser than the significance value 0.05, which shows that administrators involved in Athletics Federation have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that administrators involved in Athletics Federation have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of administrators of Athletics Federation on various dimensions of good governance are graphically presented in figure 4.26.

**Figure 4.26**

**Graphical Representation of the Means of Administrators' Opinion on Different Dimensions of Good Governance of Athletics Federation of India**



**4.8.2. One-way Analysis of Variance among administrators involving at Badminton Association with regards to various dimensions of good governance.**

**H<sub>4 02</sub>:** There is a significant difference between the opinions of the Administrators of Badminton Association with regard to various dimensions of good governance.

The administrators' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the administrators involved in Badminton Association of India. The results are given in the table 4.46.

**Table 4.46**

**One-way Analysis of Variance of Administrators in Badminton Association of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	142.57	23.76	G1=19.20 G2=24.80 G3=21.80 G4=21.60 G5=18.40 G6=19.20 G7=20.80	F=1.52* P=0.207 P<0.05 (Not Significant)
2	Within Groups	28	436.40	15.58		

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be observed from the table 4.46 that there is a significant difference among the administrators involved in Badminton Association of India with regards to various dimensions of good governance. Since the significance value is greater than 0.05. Therefore, H<sub>4 02</sub> is rejected. Further, it is also observed that the mean score



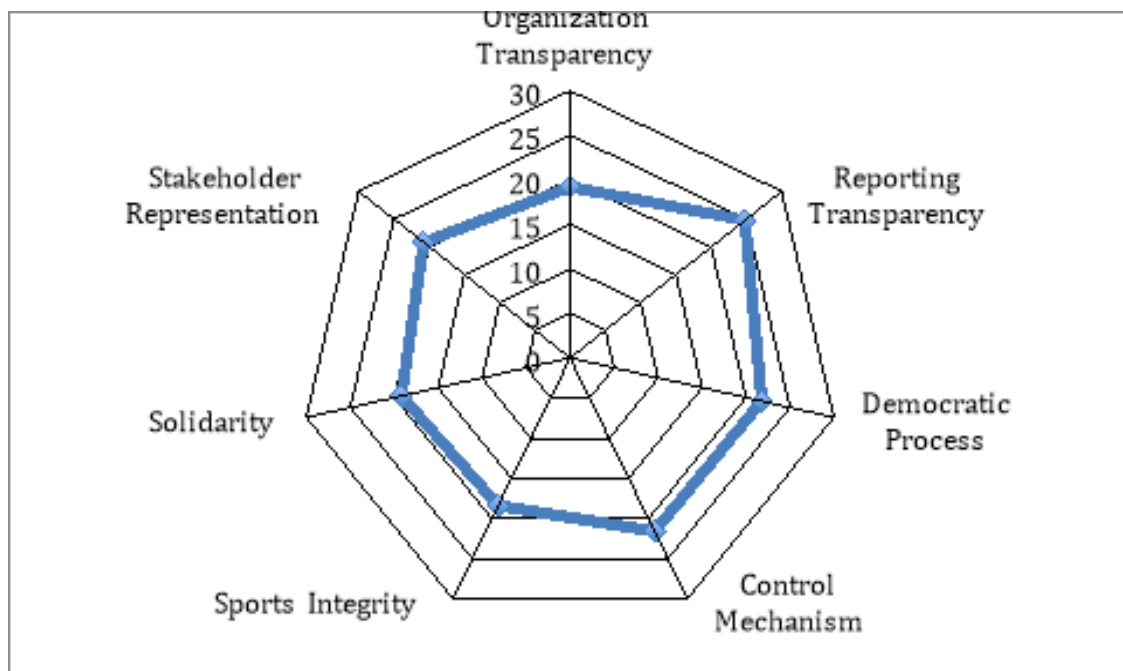
reveals that the administrator's opinion about reporting transparency, democratic process, and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was not significant, the Scheffe's Post Hoc test was not computed further in order to find out the pair wise mean difference between the dimensions of the administrators with regards to good governance.

The mean values of the opinion of administrators of Badminton Association of India on various dimensions of good governance are graphically presented in figure 4.27.

**Figure 4.27**

**Graphical Representation of the Means of Administrators' Opinion on Different Dimensions of Good Governance of Badminton Association of India**



**4.8.3. One-way Analysis of Variance among administrators involving at Taekwondo Federation with regards to various dimensions of good governance.**

**H<sub>4 03</sub>:** There is a significant difference between the opinions of the Administrators of Taekwondo Federation with regard to various dimensions of good governance.

The administrators' opinion with regard to good governance is analyzed using one-way Analysis of Variance to find out the degree of difference among the administrators involved in Taekwondo Federation of India. The results are given in the table 4.47.

**Table 4.47**

**One-Way Analysis of Variance of Administrators in Taekwondo Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	549.85	91.64	G1=16.87 G2=25.50 G3=21.50 G4=20.00	F=4.502* P=0.001 P<0.05 Significant
2	Within Groups	49	997.50	20.35	G5=16.62 G6=17.37 G7=22.87	

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be observed from the table 4.47 that there is a significant difference among the administrators involved in Taekwondo Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>4 03</sub> is accepted. Further, it is also observed that the mean score

reveals that the administrators opinion about reporting transparency, democratic process, control mechanism and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the administrators with regards to good governance. The results are shown in the table 4.48.

**Table 4.48**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**Of the Administrators in Taekwondo Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
16.87	25.50	-	-	-	-	-	8.62*	0.039
16.87	-	21.50	-	-	-	-	4.62	0.650
16.87	-	-	20.00	-	-	-	3.12	0.924
16.87	-	-	-	16.62	-	-	0.25	1.000
16.87	-	-	-	-	17.37	-	0.50	1.000
16.87	-	-	-	-	-	22.87	6.00	0.333
-	25.50	21.50	-	-	-	-	4.00	0.787
-	25.50	-	20.00	-	-	-	5.50	0.442
-	25.50	-	-	16.62	-	-	8.87*	0.030
-	25.50	-	-	-	17.37	-	8.12	0.063
-	25.50	-	-	-	-	22.87	2.62	0.967
-	-	21.50	20.00	-	-	-	1.50	0.998
-	-	21.50	-	16.62	-	-	4.87	0.591
-	-	21.50	-	-	17.37	-	4.12	0.762
-	-	21.50	-	-	-	22.87	1.37	0.999
-	-	-	20.00	16.62	-	-	3.37	0.893
-	-	-	20.00	-	17.37	-	2.62	0.967
-	-	-	20.00	-	-	22.87	2.87	0.948
-	-	-	-	16.62	17.37	-	0.75	1.000
-	-	-	-	16.62	-	22.87	6.25	0.284
-	-	-	-	-	17.37	22.87	5.50	0.442

P < 0.05

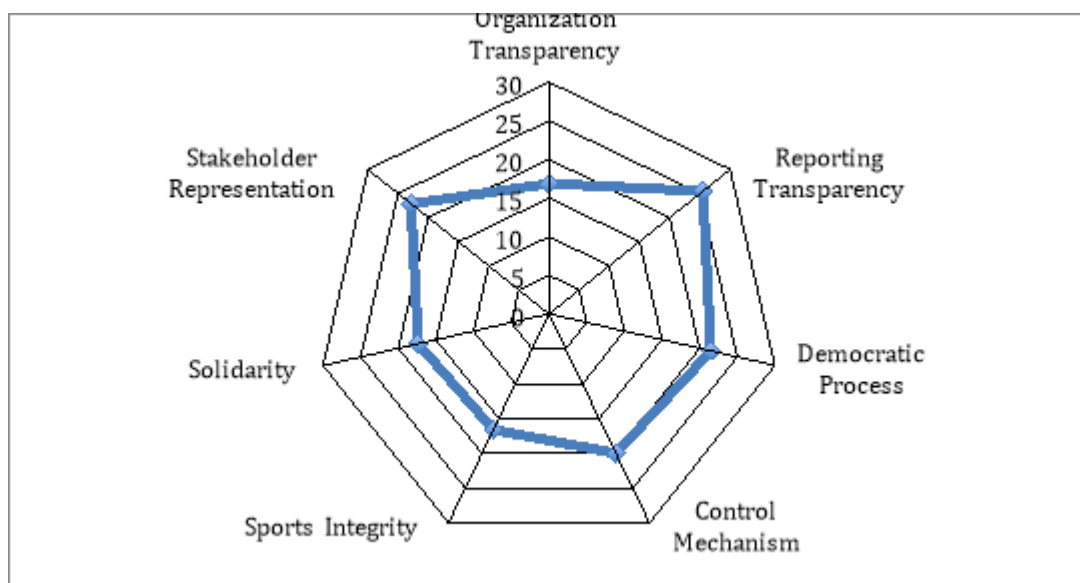
From the above table 4.48, it is made note that the mean difference values between the group Organizational Transparency and Reporting Transparency of Taekwondo Federation of India is 8.62, Reporting Transparency and Sports Integrity is 8.87, which are lesser than the significance value 0.05, which shows that administrators involved in Taekwondo Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that administrators involved in Taekwondo Federation of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of administrators of Taekwondo Federation of India on various dimensions of good governance are graphically presented in figure 4.28.

**Figure 4.28**

**Graphical Representation of the Means of Administrators' Opinion on Different Dimensions of Good Governance of Taekwondo Federation of India**



**4.8.4. One-Way Analysis of Variance among administrators involving at National Rifle Association with regards to various dimensions of good governance.**

**H<sub>4 04</sub>:** There is a significant difference between the opinions of the Administrators of National Rifle Association with regard to various dimensions of good governance.

The administrators' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the administrators involved in National Rifle Association of India. The results are given in the table 4.49.

**Table 4.49**

**One-Way Analysis of Variance of Administrators in National Rifle Association of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	256.42	42.73	G1=29.00 G2=34.50 G3=28.25 G4=28.00	F=7.34* P=0.000 P<0.05 Significant
2	Within Groups	21	122.25	5.82	G5=28.50 G6=28.75 G7=23.25	

*G1=Organization Transparency  
G3=Democratic Process  
G5= Sports Integrity  
G7= Stakeholder Representation*

*G2= Reporting Transparency  
G4= Control Mechanism  
G6= Solidarity*

It can be identified from the table 4.49 that there is a significant difference among the administrators involved in National Rifle Association of India with regards to various dimensions of good governance. Since the significance value is lesser than 0.05. Therefore, H<sub>4 04</sub> is accepted. Further, it is also observed that the mean score

reveals that the administrator's opinion about all dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the administrators with regards to good governance. The results are shown in the table 4.50.

**Table 4.50**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Administrators in National Rifle Association of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
29.00	34.50	-	-	-	-	-	5.50	0.163
29.00	-	28.25	-	-	-	-	0.75	1.000
29.00	-	-	28.00	-	-	-	1.00	0.999
29.00	-	-	-	28.50	-	-	0.50	1.000
29.00	-	-	-	-	28.75	-	0.25	1.000
29.00	-	-	-	-	-	23.25	5.75	0.129
-	34.50	28.25	-	-	-	-	6.25	0.080
-	34.50	-	28.00	-	-	-	6.50	0.062
-	34.50	-	-	28.50	-	-	6.00	0.102
-	34.50	-	-	-	28.75	-	5.75	0.129
-	34.50	-	-	-	-	23.25	11.25*	0.000
-	-	28.25	28.00	-	-	-	0.25	1.000
-	-	28.25	-	28.50	-	-	0.25	1.000
-	-	28.25	-	-	28.75	-	0.50	1.000
-	-	28.25	-	-	-	23.25	5.00	0.250
-	-	-	28.00	28.50	-	-	0.50	1.000
-	-	-	28.00	-	28.75	-	0.75	1.000
-	-	-	28.00	-	-	23.25	4.75	0.304
-	-	-	-	28.50	28.75	-	0.25	1.000
-	-	-	-	28.50	-	23.25	5.25	0.203
-	-	-	-	-	28.75	23.25	5.75	0.129

P < 0.05



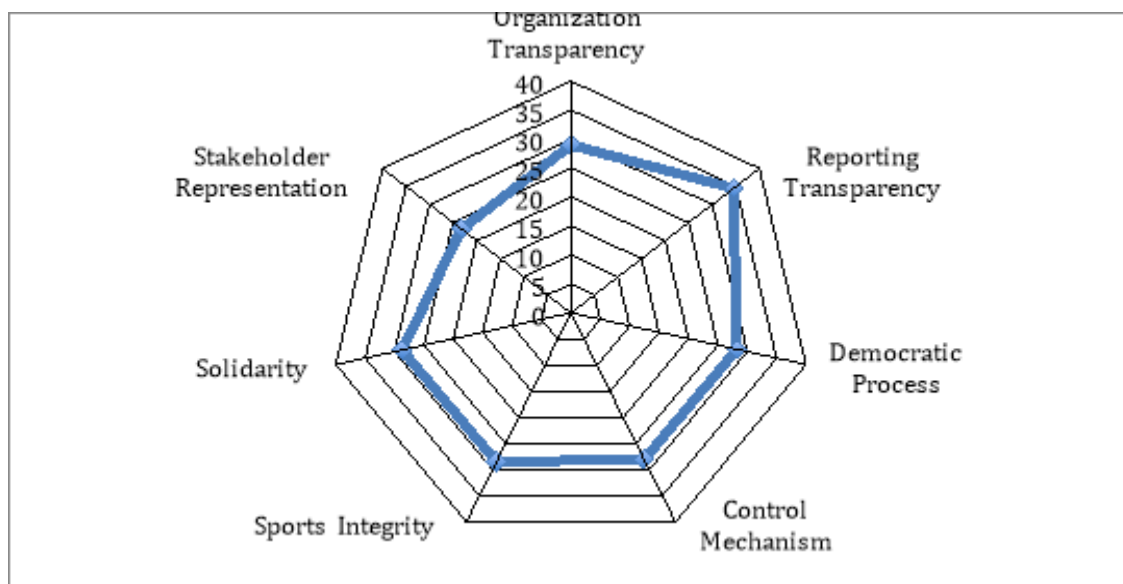
From the above table 4.50, it is inferred that the mean difference values between the group of Reporting Transparency and Stakeholder Representation of administrators from National Rifle Association of India is 11.25, which are lesser than the significance value 0.05, which shows that players involved in National Rifle Association of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that administrators involved in National Rifle Association of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of administrators of National Rifle Association of India on various dimensions of good governance are graphically presented in figure 4.29.

**Figure 4.29**

**Graphical Representation of the Means of Administrators' Opinion on Different Dimensions of Good Governance of National Rifle Association of India**



**4.8.5. One-way Analysis of Variance among administrators involving at Swimming Federation with regards to various dimensions of good governance.**

**H<sub>4 05</sub>:** There is a significant difference between the opinions of the Administrators of Swimming Federation with regard to various dimensions of good governance.

The administrators' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the administrators involved in Swimming Federation of India. The results are given in the table 4.51.

**Table 4.51**

**One-way Analysis of Variance of Administrators in Swimming Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	200.28	33.38	G1=16.80 G2=19.20 G3=19.60 G4=18.00	F=1.54* P=0.199 P<0.05 (Not Significant)
2	Within Groups	28	603.60	21.55	G5=16.40 G6=16.80 G7=23.80	

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be inferred from the table 4.51 that there is a significant difference among the administrators involved in Swimming Federation of India with regards to various dimensions of good governance. Since the significance value is greater than 0.05. Therefore, H<sub>4 05</sub> is rejected. Further, it is also observed that the mean score

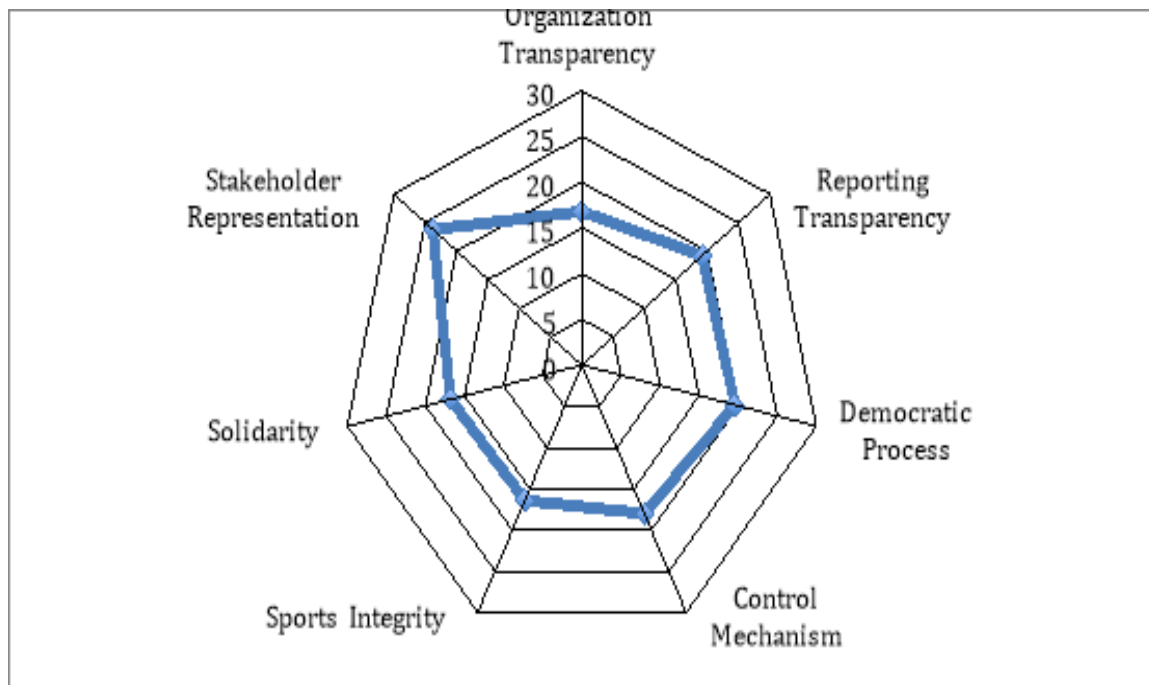
reveals that the administrator's opinion about reporting transparency, democratic process, and stakeholder representation are found to be more inclined towards good governance.

Since the 'P' value was not significant, the Scheffe's Post Hoc test was not computed further in order to find out the pair wise mean difference between the dimensions of the administrators with regards to good governance.

The mean values of the opinion of administrators of Swimming Federation of India on various dimensions of good governance are graphically presented in figure 4.30.

**Figure 4.30**

**Graphical Representation of the Means of Administrators' Opinion on Different Dimensions of Good Governance of Swimming Federation of India**



**4.8.6. One-way Analysis of Variance among administrators involving at Volleyball Federation with regards to various dimensions of good governance.**

**H<sub>4 06</sub>:** There is a significant difference between the opinions of the Administrators of Volleyball Federation with regard to various dimensions of good governance.

The administrators' opinion with regard to good governance is analyzed using One-way Analysis of Variance to find out the degree of difference among the administrators involved in Volleyball Federation of India. The results are given in the table 4.52.

**Table 4.52**

**One-way Analysis of Variance of Administrators in Volleyball Federation of India With regard to Good Governance**

Sl.No	Groups	Df	Sum of Square	Mean Sum of Square	Mean	Statistical Inference
1	Between Groups	6	175.38	29.22	G1=27.83 G2=30.83	F=5.06* P=0.001 P<0.05 Significant
2	Within Groups	35	202.00	5.77	G3=28.66 G4=29.00 G5=29.16 G6=30.83 G7=24.33	

*G1=Organization Transparency*  
*G3=Democratic Process*  
*G5= Sports Integrity*  
*G7= Stakeholder Representation*

*G2= Reporting Transparency*  
*G4= Control Mechanism*  
*G6= Solidarity*

It can be observed from the table 4.52 that there is a significant difference among the administrators involved in Volleyball Federation of India with regards to various dimensions of good governance. Since the significance value is lesser than

0.05. Therefore,  $H_{406}$  is accepted. Further, it is also observed that the mean score reveals that the administrator's opinion about all the dimensions are found to be more inclined towards good governance.

Since the 'P' value was significant, the Scheffe's Post Hoc test was computed further in order to find out the pair wise mean difference between the dimensions of the administrators with regards to good governance. The results are shown in the table 4.53.

**Table 4.53**  
**Scheffe's Post Hoc Test of Significance and difference among the Mean of Opinion**  
**of the Administrators in Volleyball Federation of India on Good Governance**

<b>Organizational Transparency</b>	<b>Reporting Transparency</b>	<b>Democratic Process</b>	<b>Control Mechanism</b>	<b>Sports Integrity</b>	<b>Solidarity</b>	<b>Stakeholder Representation</b>	<b>Mean Difference</b>	<b>Significance</b>
27.83	30.83	-	-	-	-	-	3.00	0.591
27.83	-	28.66	-	-	-	-	0.83	0.999
27.83	-	-	29.00	-	-	-	1.16	0.994
27.83	-	-	-	29.16	-	-	1.33	0.987
27.83	-	-	-	-	30.83	-	3.00	0.591
27.83	-	-	-	-	-	24.33	3.50	0.404
-	30.83	28.66	-	-	-	-	2.16	0.870
-	30.83	-	29.00	-	-	-	1.83	0.937
-	30.83	-	-	29.16	-	-	1.66	0.960
-	30.83	-	-	-	30.83	-	0.00	1.000
-	30.83	-	-	-	-	24.33	6.50*	0.006
-	-	28.66	29.00	-	-	-	0.33	1.000
-	-	28.66	-	29.16	-	-	0.50	1.000
-	-	28.66	-	-	30.83	-	2.16	0.870
-	-	28.66	-	-	-	24.33	4.33	0.169
-	-	-	29.00	29.16	-	-	0.16	1.000
-	-	-	29.00	-	30.83	-	1.83	0.937
-	-	-	29.00	-	-	24.33	4.66	0.111
-	-	-	-	29.16	30.83	-	1.66	0.960
-	-	-	-	29.16	-	24.33	4.83	0.089
-	-	-	-	-	30.83	24.33	6.50*	0.006

P < 0.05

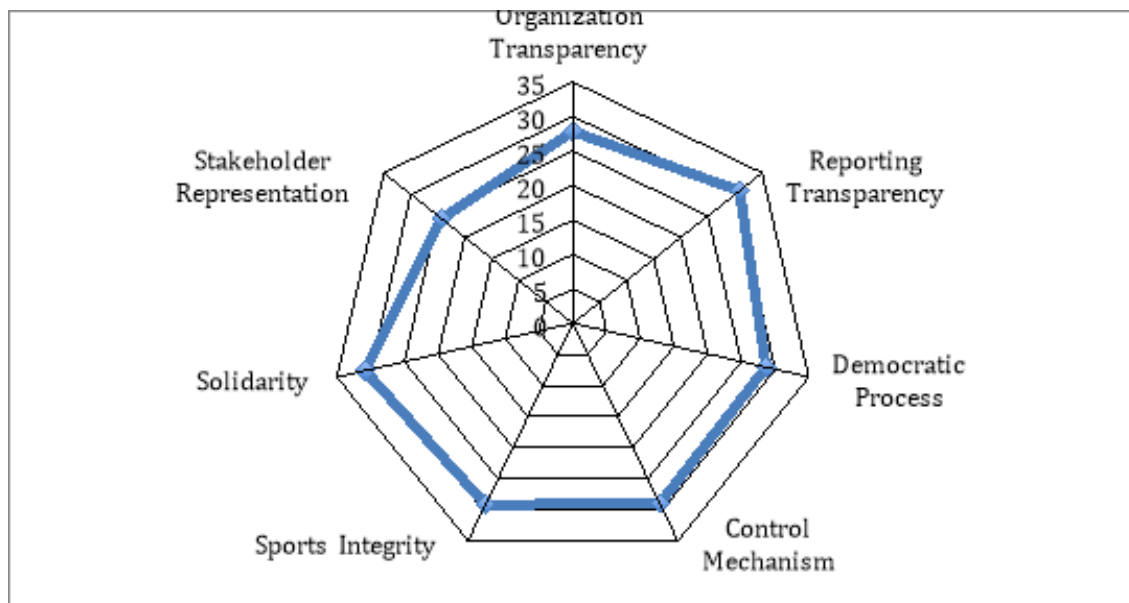
From the above table 4.53, it is revealed that the mean difference values between the group Reporting Transparency and Stakeholder Representation of Administrators from Volleyball Federation of India is 6.50, Solidarity and Stakeholder Representation is 6.50, which are lesser than the significance value 0.05, which shows that administrators involved in Volleyball Federation of India have high satisfaction level towards these dimensions of good governance.

It is also observed that the mean difference values between the other groups are greater than the significance value, which shows that administrators involved in Volleyball Federation of India have low satisfaction level towards other dimensions of good governance.

The mean values of the opinion of administrators of Volleyball Federation of India on various dimensions of good governance are graphically presented in figure 4.31.

**Figure 4.31**

**Graphical Representation of the Means of Administrators' Opinion on Different Dimensions of Good Governance of Volleyball Federation of India**



#### **4.9. ANALYSIS RELATED TO STAKEHOLDERS' OPINION OF ALL FEDERATIONS ON DIFFERENT DIMENSIONS OF GOOD GOVERNANCE:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference between the opinions of stakeholders of all Federation with regard to different dimensions of good governance such as Organizational Transparency, Reporting Transparency, Democratic Process, Control Mechanism, Sports Integrity, Solidarity and Stakeholder Representation.

##### **Hypothesis 5:**

There is a significant difference between the opinions of stakeholders of all Federations with regard to various dimensions of good governance.

The researcher has used suitable statistical tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regards to various dimensions of good governance. The stakeholders' opinion about good governance was analyzed using One-way Analysis of Variance and Scheffe's Post Hoc test to find out the degree of difference in the opinion about various dimensions among Federation such as Athletics Federation of India, Badminton Association of India, Taekwondo Federation of India, National Rifle Association of India, Swimming Association of India and Volleyball Federation of India. The results are given in the table 4.54.



**Table 4.54**  
**One-way Analysis of Variance among Federation with**  
**regard to various dimensions of Good Governance**

Dimensions	Federation means	Source of Variation	Df	Sum of Squares	Mean Sum of Squares	F value	Significance
<b>Organizational Transparency</b>	G <sub>1</sub> =18.57 G <sub>2</sub> =17.10 G <sub>3</sub> =19.29 G <sub>4</sub> =18.45 G <sub>5</sub> =18.03 G <sub>6</sub> =22.35	Between Groups	5	819.78	163.95	5.53*	P=0.000 P <0.05 Significant
		Within Groups	344	10187.78	29.61		
<b>Reporting Transparency</b>	G <sub>1</sub> =23.85 G <sub>2</sub> =22.91 G <sub>3</sub> =24.95 G <sub>4</sub> =23.10 G <sub>5</sub> =23.73 G <sub>6</sub> =26.58	Between Groups	5	483.38	96.67	1.56	P=0.168 P <0.05 Not Significant
		Within Groups	344	21191.53	61.60		
<b>Democratic Process</b>	G <sub>1</sub> =21.30 G <sub>2</sub> =20.48 G <sub>3</sub> =21.83 G <sub>4</sub> =20.91 G <sub>5</sub> =21.30 G <sub>6</sub> =23.72	Between Groups	5	327.52	65.50	2.88*	P=0.015 P <0.05 Significant
		Within Groups	344	7823.92	22.74		
<b>Control Mechanism</b>	G <sub>1</sub> =20.48 G <sub>2</sub> =19.60 G <sub>3</sub> =20.91 G <sub>4</sub> =20.10 G <sub>5</sub> =20.50 G <sub>6</sub> =23.20	Between Groups	5	398.61	79.72	3.40*	P=0.005 P <0.05 Significant
		Within Groups	344	8058.80	23.42		
<b>Sports Integrity</b>	G <sub>1</sub> =17.38 G <sub>2</sub> =15.83 G <sub>3</sub> =18.54 G <sub>4</sub> =16.73 G <sub>5</sub> =17.15 G <sub>6</sub> =21.52	Between Groups	5	1008.83	201.76	7.37*	P=0.000 P <0.05 Significant
		Within Groups	344	9412.16	27.36		
<b>Solidarity</b>	G <sub>1</sub> =18.44 G <sub>2</sub> =16.76 G <sub>3</sub> =19.60 G <sub>4</sub> =17.85 G <sub>5</sub> =18.16 G <sub>6</sub> =22.70	Between Groups	5	1081.10	216.22	7.51*	P=0.000 P <0.05 Significant
		Within Groups	344	9895.51	28.76		
<b>Stakeholder Representation</b>	G <sub>1</sub> =23.70 G <sub>2</sub> =23.80 G <sub>3</sub> =24.68 G <sub>4</sub> =22.76 G <sub>5</sub> =24.18 G <sub>6</sub> =23.29	Between Groups	5	120.29	24.05	1.40	P=0.222 P <0.05 Not Significant
		Within Groups	344	5887.56	17.11		

P < 0.05

<i>G<sub>1</sub> = Athletic</i>	<i>G<sub>2</sub> = Badminton</i>	<i>G<sub>3</sub> = Taekwondo</i>
<i>G<sub>4</sub> = National Rifle</i>	<i>G<sub>5</sub> = Swimming</i>	<i>G<sub>6</sub> = Volleyball</i>

It can be observed from the table 4.54 that there would be a significant difference among Federation with regards to stakeholders' opinion about the dimensions Organizational Transparency. Volleyball Federation has the highest mean value of 22.35 whereas Badminton has the lowest mean value of 17.10. Since the probability value 'P' was lesser than significance value 0.05. Therefore, H<sub>5</sub> was accepted and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of federation with regards Organizational Transparency of good governance. The test results are shown in the table 4.55.

It was also understood that there would be a no significant difference among Federation with regards to respondents' opinion about the Reporting Transparency dimensions of good governance. Volleyball Federation has the highest mean value of 26.58 whereas Badminton has the lowest mean value of 22.91. Since the probability value 'P' is greater than the significance value 0.05, therefore H<sub>5</sub> was rejected and hence Scheffe's Post Host test was not computed for Reporting Transparency.

It can be identified from above table that there would be a significant difference among Federation with regards to stakeholders' opinion about the dimensions Democratic Process. Volleyball Federation has the highest mean value of 33.72 whereas Badminton has the lowest mean value of 20.48. Since the probability value 'P' was lesser than significance value 0.05. Therefore, H<sub>5</sub> was accepted and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of federation with regards Democratic Process of good governance. The test results are shown in the table 4.56.

It can be revealed from above table that there would be a significant difference among Federation with regards to stakeholders' opinion about the dimensions Control Mechanism. Volleyball Federation has the highest mean value of

23.20 whereas Badminton has the lowest mean value of 19.60. Since the probability value 'P' was lesser than significance value 0.05. Therefore, H<sub>5</sub> was accepted and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of federation with regards Control Mechanism of good governance. The test results are shown in the table 4.57.

It can be observed from above table that there would be a significant difference among Federation with regards to stakeholders' opinion about the dimensions Sports Integrity. Volleyball Federation has the highest mean value of 21.52 whereas Badminton has the lowest mean value of 15.83. Since the probability value 'P' was lesser than significance value 0.05. Therefore, H<sub>5</sub> was accepted and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of federation with regards Sports Integrity of good governance. The test results are shown in the table 4.58.

It can be identified from above table that there would be a significant difference among Federation with regards to stakeholders' opinion about the dimensions Solidarity. Volleyball Federation has the highest mean value of 22.70 whereas Badminton has the lowest mean value of 16.76. Since the probability value 'P' was lesser than significance value 0.05. Therefore, H<sub>5</sub> was accepted and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of federation with regards Solidarity of good governance. The test results are shown in the table 4.59.

It was also observed that there would be a no significant difference among Federation with regards to respondents' opinion about the Stakeholder Representation dimensions of good governance. Taekwondo Federation has the highest mean value of 24.68 whereas National Rifle has the lowest mean value of

22.76. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_5$  was rejected and hence Scheffe's Post Host test was not computed for Stakeholder Representation.

**Table 4.55**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders**  
**Opinions of all Federation with regard to Organizational Transparency**

<b>Athletics</b>	<b>Badminton</b>	<b>Taekwondo</b>	<b>Rifle</b>	<b>Swimming</b>	<b>Volleyball</b>	<b>Mean Difference</b>	<b>Significance</b>
18.57	17.10	-	-	-	-	1.46	0.782
18.57	-	19.29	-	-	-	0.71	0.991
18.57	-	-	18.45	-	-	.012	1.000
18.57	-	-	-	18.03	-	0.53	0.997
18.57	-	-	-	-	22.35	3.77*	0.013
-	17.10	19.29	-	-	-	2.18	0.527
-	17.10	-	18.45	-	-	1.34	0.880
-	17.10	-	-	18.03	-	0.93	0.977
-	17.10	-	-	-	22.35	5.24*	0.000
-	-	19.29	18.45	-	-	0.84	0.986
-	-	19.29	-	18.03	-	1.25	0.931
-	-	19.29	-	-	22.35	3.06	0.183
-	-	-	18.45	18.03	-	0.41	0.999
-	-	-	18.45	-	22.35	3.90*	0.019
-	-	-	-	18.03	22.35	4.31*	0.008

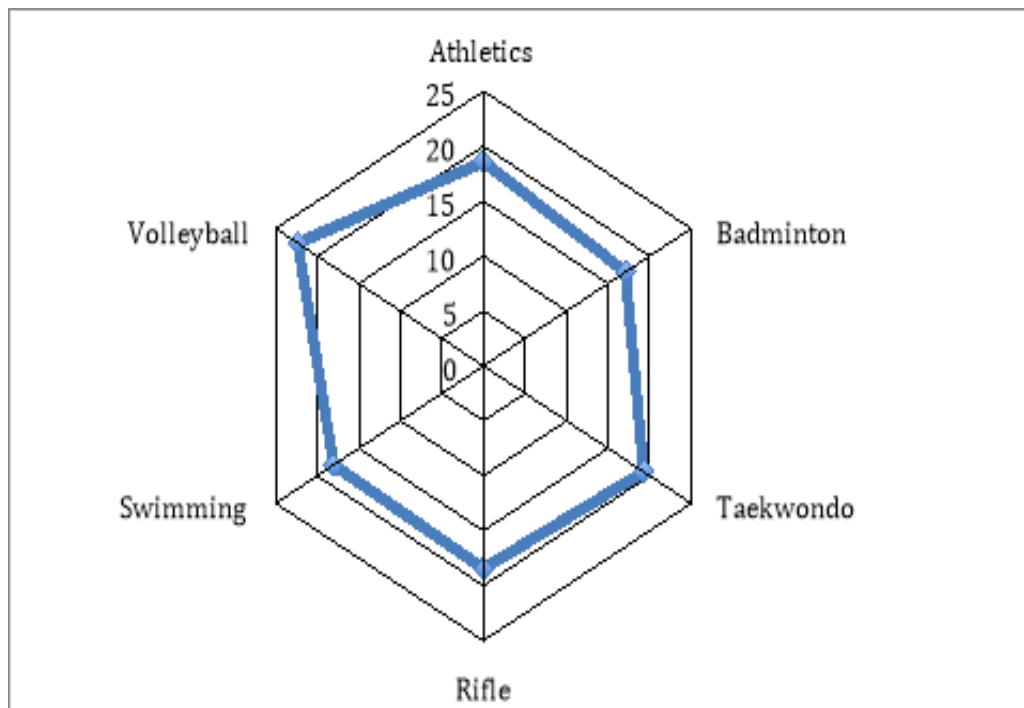
P < 0.05

From the above table 4.55, it is inferred that there was significant mean difference between the pairs of Federation from Athletic with Volleyball, Badminton with Volley ball, Rifle with Volley ball and Swimming with Volleyball since the significance value was lesser than 0.05, which implies that Volleyball Federation have high regards towards good governance.

It is also observed that the significance values between the pairs of other Federation are greater than significance value, which shows that the Federation of Athletics, Badminton, Taekwondo, Rifle and Swimming have equal satisfaction level towards good governance with respect to Organizational Transparency.

The mean values of the opinion of federation on the dimension Organizational Transparency of good governance were presented through diagram for better understanding of the results presented in figure 4.32

**Figure 4.32**  
**Graphical Depiction of the Comparison of the Means of Opinion of Federation on Organizational Transparency**



**Table 4.56**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders**  
**Opinions of all Federation with regard to Democratic Process**

<b>Athletics</b>	<b>Badminton</b>	<b>Taekwondo</b>	<b>Rifle</b>	<b>Swimming</b>	<b>Volleyball</b>	<b>Mean Difference</b>	<b>Significance</b>
21.30	20.48	-	-	-	-	0.82	0.962
21.30	-	21.83	-	-	-	0.52	0.996
21.30	-	-	20.91	-	-	0.38	0.999
21.30	-	-	-	21.30	-	0.00	1.000
21.30	-	-	-	-	23.72	2.42	0.164
-	20.48	21.83	-	-	-	1.35	0.838
-	20.48	-	20.91	-	-	0.43	0.999
-	20.48	-	-	21.30	-	0.81	0.977
-	20.48	-	-	-	23.72	3.24*	0.037
-	-	21.83	20.91	-	-	0.91	0.964
-	-	21.83	-	21.30	-	0.53	0.997
-	-	21.83	-	-	23.72	1.89	0.580
-	-	-	20.91	21.30	-	0.38	0.999
-	-	-	20.91	-	23.72	2.81	0.102
-	-	-	-	21.30	23.72	2.42	0.261

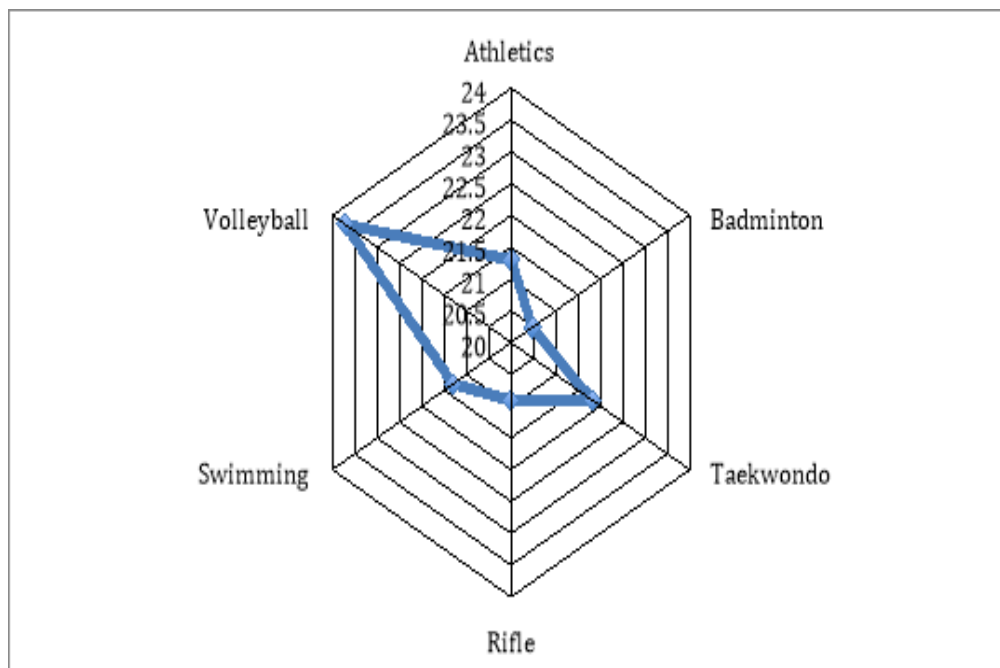
P < 0.05

From the above table 4.56, it is inferred that there was significant mean difference between the pairs of Federation of, Badminton with Volleyball, since the significance value was lesser than 0.05, which implies that these Federation have high practice of Dimension Democratic Process of good governance.

It is also observed that the significance values between the pairs of other Federation are greater than the significance value, which shows that the Federation of Athletics, Taekwondo, Rifle and Swimming have equal satisfaction level towards good governance with respect to Democratic Process.

The mean values of the opinion of federation on the dimension Democratic Process of good governance were presented through diagram for better understanding of the results presented in figure 4.33.

**Figure 4.33**  
**Graphical Depiction of the Comparison of the Means of Opinion of Federation on Democratic Process**





**Table 4.57**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders**  
**Opinions of all Federation with regard to Control Mechanism**

<b>Athletics</b>	<b>Badminton</b>	<b>Taekwondo</b>	<b>Rifle</b>	<b>Swimming</b>	<b>Volleyball</b>	<b>Mean Difference</b>	<b>Significance</b>
20.48	19.60	-	-	-	-	0.87	0.953
20.48	-	20.91	-	-	-	0.43	.0999
20.48	-	-	20.10	-	-	.038	0.999
20.48	-	-	-	20.50	-	0.02	1.000
20.48	-	-	-	-	23.20	2.72	0.086
-	19.60	20.91	-	-	-	1.30	0.863
-	19.60	-	20.10	-	-	0.49	0.998
-	19.60	-	-	20.50	-	0.90	0.967
-	19.60	-	-	-	23.20	3.60*	0.015
-	-	20.91	20.10	-	-	0.816	0.979
-	-	20.91	-	20.50	-	0.40	0.999
-	-	20.91	-	-	23.20	2.29	0.373
-	-	-	20.10	20.50	-	0.40	0.999
-	-	-	20.10	-	23.20	3.10	0.054
-	-	-	-	20.50	23.20	2.69	0.169

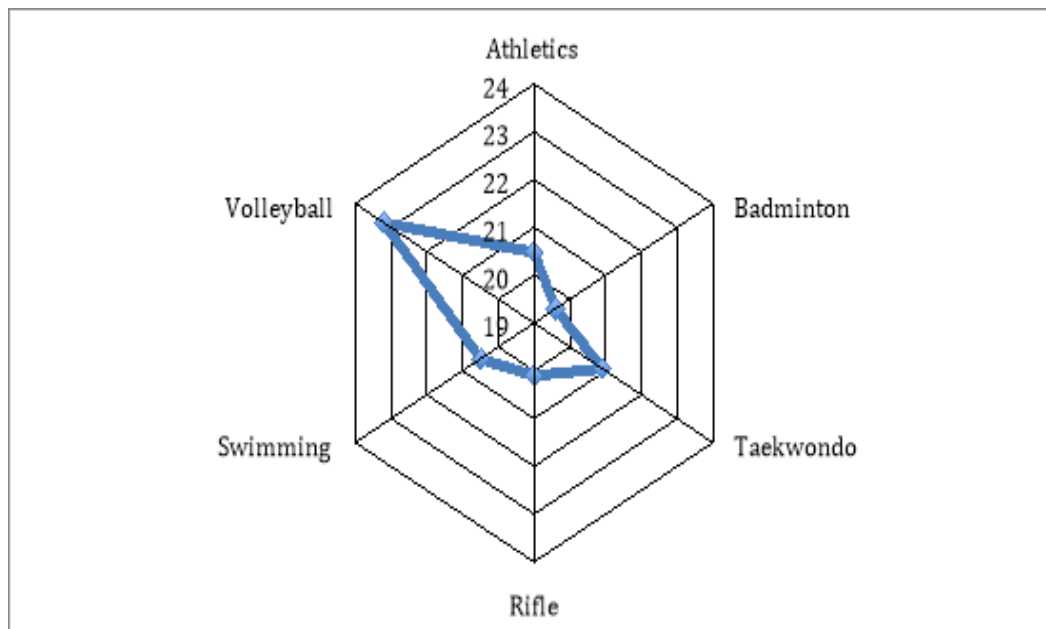
P < 0.05

From the above table 4.57, it is inferred that there was significant mean difference between the pairs of Federation of, Badminton with Volleyball, since the significance value was lesser than 0.05, which implies that these two Federation have high practice of Dimension Control Mechanism of good governance.

It is also observed that the significance values between the pairs of other Federation are greater than the significance value, which shows that the Federation of Athletics, Taekwondo, Rifle and Swimming have equal satisfaction level towards good governance with respect to Control Mechanism, since the significance value was greater than 0.05.

The mean values of the opinion of federation on the dimension Control Mechanism of good governance were presented through diagram for better understanding of the results presented in figure 4.34.

**Figure 4.34**  
**Graphical Depiction of the Comparison of the Means of Opinion of Federation on Control Mechanism**



**Table 4.58**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders**  
**Opinions of all Federation with regard to Sports Integrity**

<b>Athletics</b>	<b>Badminton</b>	<b>Taekwondo</b>	<b>Rifle</b>	<b>Swimming</b>	<b>Volleyball</b>	<b>Mean Difference</b>	<b>Significance</b>
17.38	15.83	-	-	-	-	1.54	0.706
17.38	-	18.54	-	-	-	1.15	0.914
17.38	-	-	16.73	-	-	0.65	0.990
17.38	-	-	-	17.15	-	0.23	1.000
17.38	-	-	-	-	21.52	4.13*	0.002
-	15.83	18.54	-	-	-	2.70	0.231
-	15.83	-	16.73	-	-	0.89	0.974
-	15.83	-	-	17.15	-	1.31	0.887
-	15.83	-	-	-	21.52	5.68*	0.000
-	-	18.54	16.73	-	-	1.80	0.671
-	-	18.54	-	17.15	-	1.39	0.878
-	-	18.54	-	-	21.52	2.97	0.172
-	-	-	16.73	17.15	-	0.417	0.999
-	-	-	16.73	-	21.52	4.78*	0.001
-	-	-	-	17.15	21.52	4.36*	0.004

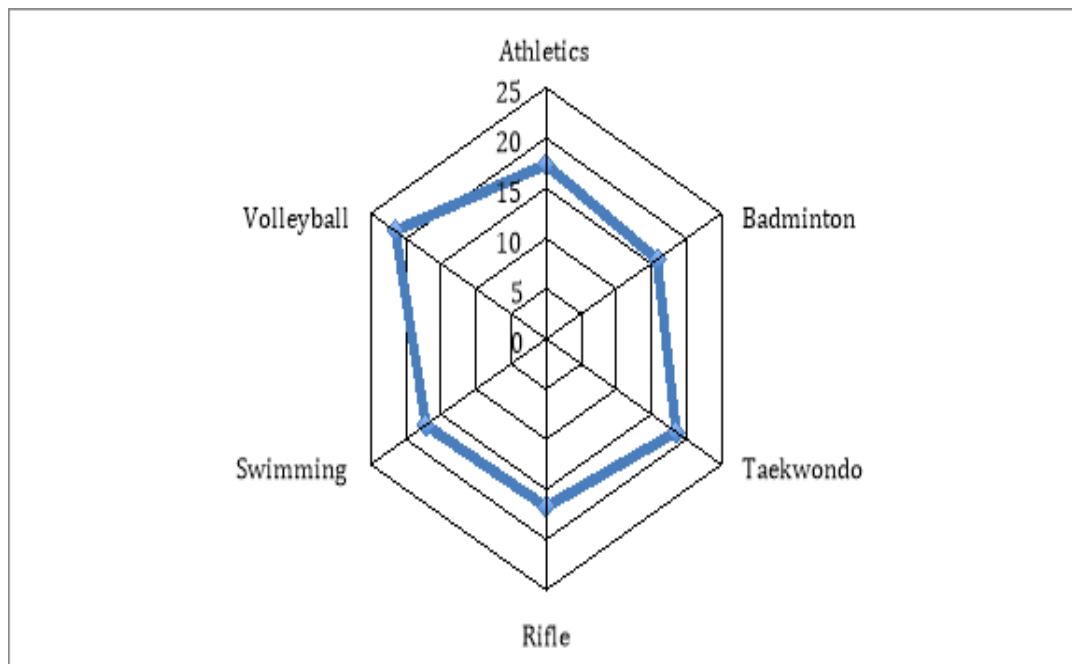
P < 0.05

From the above table 4.58, it is inferred that there was significant mean difference between the pairs of Federation Athletic with Volley ball, Badminton with Volley ball, Rifle with Volley ball and Swimming with Volley Ball is significant, since the significance value was lesser than 0.05, which implies that these two Federation have high practice of Dimension Sports Integrity of good governance.

It is also observed that the significance values between the pairs of other Federation are greater than the significance value, which shows that the Federation of Taekwondo with volleyball have equal satisfaction level towards good governance with respect to Sports Integrity.

The mean values of the opinion of federation on the dimension Sports Integrity of good governance were presented through diagram for better understanding of the results presented in figure 4.35.

**Figure 4.35**  
**Graphical Depiction of the Comparison of the Means of Opinion of Federation on Sports Integrity**



**Table 4.59**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders**  
**Opinions of all Federation with regard to Solidarity**

<b>Athletics</b>	<b>Badminton</b>	<b>Taekwondo</b>	<b>Rifle</b>	<b>Swimming</b>	<b>Volleyball</b>	<b>Mean Difference</b>	<b>Significance</b>
18.44	16.76	-	-	-	-	1.67	0.653
18.44	-	19.60	-	-	-	1.15	0.921
18.44	-	-	17.85	-	-	0.59	0.994
18.44	-	-	-	18.16	-	0.27	1.000
18.44	-	-	-	-	22.70	4.26*	0.002
-	16.76	19.60	-	-	-	2.83	0.207
-	16.76	-	17.85	-	-	1.08	0.947
-	16.76	-	-	18.16	-	1.40	0.868
-	16.76	-	-	-	22.70	5.94*	0.000
-	-	19.60	17.85	-	-	1.75	0.723
-	-	19.60	-	18.16	-	1.43	0.875
-	-	19.60	-	-	22.70	3.10	0.157
-	-	-	17.85	18.16	-	0.31	1.000
-	-	-	17.85	-	22.70	4.85*	0.001
-	-	-	-	18.16	22.70	4.53*	0.003

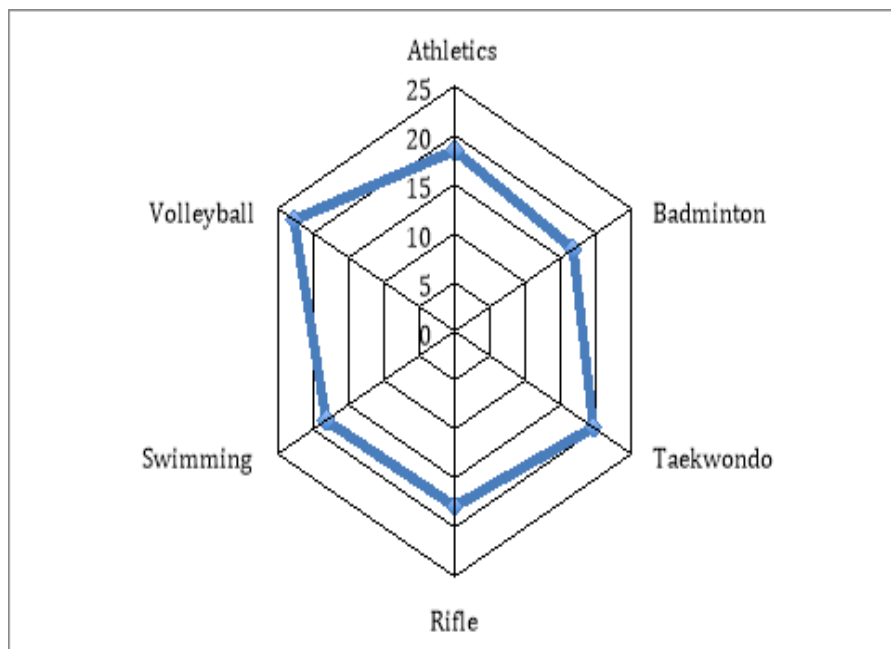
P < 0.05

From the above table 4.59, it is inferred that there was significant mean difference between the pairs of Federation Athletic with Volley ball, Badminton with Volley ball, Rifle with Volley ball and Swimming with Volley Ball is significant, since the significance value was lesser than 0.05, which implies that these two Federation have high practice of Dimension Solidarity of good governance.

It is also observed that the significance values between the pairs of other Federation are greater than the significance value, which shows that the Federation of Taekwondo with volleyball have equal satisfaction level towards good governance with respect to Solidarity.

The mean values of the opinion of federation on the dimension Solidarity of good governance were presented through diagram for better understanding of the results presented in figure 4.36.

**Figure 4.36**  
**Graphical Depiction of the Comparison of the Means of Opinion of Federation on Solidarity**



#### **4.10. ANALYSIS RELATED TO STAKEHOLDERS' OPINION ON GOOD GOVERNANCE WITH REGARD TO VARIOUS FEDERATIONS:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference between the opinion of stakeholders on good governance with regard to various Federations such as Athletics, Badminton, Taekwondo, National Rifle, Swimming and Volleyball.

##### **Hypothesis 6:**

There is a significant difference between the opinions of stakeholders on good governance with regard to various Federations.

The researcher has used suitable statistical such as One-way ANOVA and Scheffe's Post Hoc Test tools for testing the above hypothesis with regards to various dimensions of good governance. The Stakeholders such as Players, Coaches, Officials and Administrators opinion of all the Federation about good governance was analyzed using One-way Analysis of Variance and Scheffe's Post Hoc test to find out the degree of difference in the opinion about various dimensions of all the Federation. The results are given in the table 4.60.

**Table 4.60**  
**One-way Analysis of Variance among Stakeholders opinion on Good Governance with regard to various Federations**

Federation	Stakeholders means	Source of Variation	Df	Sum of Squares	Mean Sum of Squares	F value	Significance
<b>Athletics</b>	G <sub>1</sub> =136.58 G <sub>2</sub> =130.20 G <sub>3</sub> =190.12 G <sub>4</sub> =205.50	Between Groups	3	38187.96	12729.32	28.18*	0.000 P<0.05 Significant
		Within Groups	81	36584.34	451.65		
<b>Badminton</b>	G <sub>1</sub> =138.75 G <sub>2</sub> =128.70 G <sub>3</sub> =132.11 G <sub>4</sub> =145.80	Between Groups	3	1376.19	458.73	1.14	0.341 P<0.05 Not Significant
		Within Groups	52	20899.78	401.91		
<b>Taekwondo</b>	G <sub>1</sub> =150.04 G <sub>2</sub> =172.66 G <sub>3</sub> =126.83 G <sub>4</sub> =140.75	Between Groups	3	8527.37	2842.45	2.59	0.064 P<0.05 Not Significant
		Within Groups	44	48199.29	1095.43		
<b>National Rifle</b>	G <sub>1</sub> =135.83 G <sub>2</sub> =131.85 G <sub>3</sub> =137.08 G <sub>4</sub> =200.25	Between Groups	3	15727.03	5242.34	9.97*	0.000 P<0.05 Significant
		Within Groups	56	29419.55	525.34		
<b>Swimming</b>	G <sub>1</sub> =150.90 G <sub>2</sub> =141.00 G <sub>3</sub> =127.90 G <sub>4</sub> =130.60	Between Groups	3	5233.71	1744.57	2.36	0.083 P<0.05 Not Significant
		Within Groups	49	36208.81	738.95		
<b>Volleyball</b>	G <sub>1</sub> =136.89 G <sub>2</sub> =199.77 G <sub>3</sub> =201.60 G <sub>4</sub> =200.66	Between Groups	3	47212.712	15737.571	34.42*	0.000 P<0.05 Significant
		Within Groups	44	20112.767	457.108		

<i>G1=Players</i>	<i>G2= Coaches</i>
<i>G3= Officials</i>	<i>G4= Administrators</i>



It was inferred from the table 4.60 that there would be a significant difference among the stakeholders' opinion about all the dimensions of good governance with regard to Athletics Federations. Administrators has the highest mean value of 205.50 whereas coaches has the lowest mean value of 130.20 . Since the probability value 'P' was lesser than significance value 0.05. Therefore  $H_6$  was accepted for the Athletics Federation and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of stakeholders opinion on good governance with regards to the Athletics federation. The test results are shown in the table 4.61.

It was also observed that there would be a no significant difference among the stakeholders' opinion about all the dimensions of good governance with regard to Badminton Association. Administrators have the highest mean value of 145.80 whereas Coaches has the lowest mean value of 128.70. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_6$  was rejected and hence Scheffe's Post Host test was not computed for Badminton Association.

It was identified that there would be a no significant difference among the stakeholders' opinion about all the dimensions of good governance with regard to Taekwondo Federation. Players has the highest mean value of 150.04 whereas Officials has the lowest mean value of 126.83. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_6$  was rejected and hence Scheffe's Post Host test was not computed for Taekwondo Federation.

It was inferred from the table 4.60 that there would be a significant difference among the stakeholders' opinion about all the dimensions of good governance with regard to National Rifle Association. Administrators have the highest mean value of

200.25 whereas Coaches has the lowest mean value of 131.85. Since the probability value 'P' was lesser than significance value 0.05. Therefore,  $H_6$  was accepted for the Athletics Federation and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of stakeholders opinion on good governance with regards to the National Rifle Association. The test results are shown in the table 4.62.

It was also observed that there would be a no significant difference among the stakeholders' opinion about all the dimensions of good governance with regard to Swimming Federation. Players have the highest mean value of 150.90 whereas Officials has the lowest mean value of 127.90. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_6$  was rejected and hence Scheffe's Post Host test was not computed for Swimming Federation.

It was inferred from the table 4.60 that there would be a significant difference among the stakeholders' opinion about all the dimensions of good governance with regard to Volleyball Federations. Officials have the highest mean value of 201.60 whereas Players has the lowest mean value of 136.89. Since the probability value 'P' was lesser than significance value 0.05. Therefore,  $H_6$  was accepted for the Athletics Federation and the Scheffe's Post Host test was computed further in order to find out the difference between the groups of stakeholder's opinions on good governance with regards to the Volleyball Federations. The test results are shown in the table 4.63.

**Table 4.61**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders Opinions about all the dimensions with regard to Athletics Federation of India**

Players	Coaches	Officials	Administrators	Mean Difference	Significance
136.58	130.20	-	-	6.38	0.783
136.58	-	190.12	-	53.53*	0.000
136.58	-	-	205.50	68.91*	0.000
-	130.20	190.12	-	59.92*	0.000
-	130.20	-	205.50	75.30*	0.000
-	-	190.12	205.50	15.37	0.707

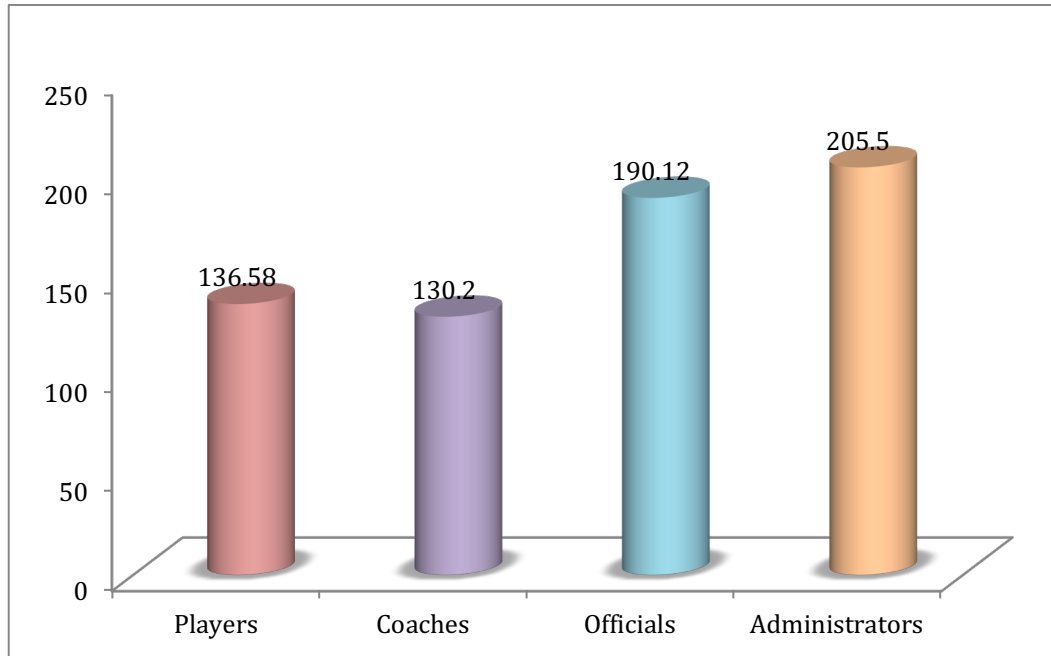
P < 0.05

From the above table 4.61, it is inferred that there was significant mean difference between the pairs of players and officials which is 53.53, players and administrators is 68.91, coaches and officials is 59.92 and coaches and administrators is 75.30, on various dimensions of good governance, since the significance value was lesser than 0.05, which implies that opinions of stakeholders of athletic Federation have high regards towards good governance.

It is also observed that the significance values between the pairs of other stakeholders are greater than the significance value, which shows that players with coaches and officials with administrators have equal satisfaction level towards good governance with respect to Athletic Federation of India.

The mean values of the opinion of stakeholders on the various dimensions of good governance of athletics federation were presented through diagram for better understanding of the results in figure 4.37.

**Figure 4.37**  
**Graphical representation of the comparison of stakeholders mean views on good governance with the Athletic Federation.**



**Table 4.62**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders Opinions about all the dimensions with regard to National Rifle Association of India**

Players	Coaches	Officials	Administrators	Mean Difference	Significance
135.8378	131.8571	-	-	3.98	0.981
135.8378	-	137.0833	-	1.24	0.999
135.8378	-	-	200.25	64.41*	0.000
-	131.8571	137.0833	-	5.22	0.972
-	131.8571	-	200.25	68.39*	0.000
-	-	137.0833	200.25	63.16*	0.000

P < 0.05

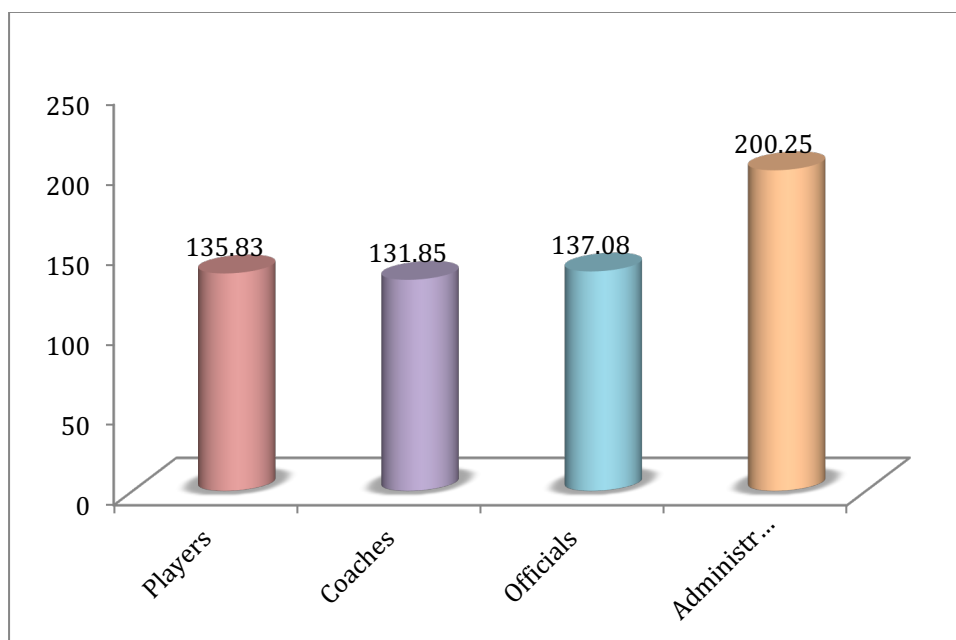
From the above table 4.62, it is inferred that there was significant mean difference between the pairs of players and administrators which is 64.41, coaches and administrators is 68.39, and officials and administrators with 63.16 on various

dimensions of good governance, since the significance value was lesser than 0.05, which implies that opinions of stakeholders of National Rifle have high regards towards good governance.

It is also observed that the significance values between the pairs of other stakeholders are greater than the significance value, which shows that players with officials, players with coaches and coaches with officials, have equal satisfaction level towards good governance with respect to National Rifle Association of India.

The mean values of the opinion of stakeholders on the various dimensions of good governance of National Rifle Association were presented through diagram for better understanding of the results in figure 4.38.

**Figure 4.38**  
**Graphical representation of the comparison of stakeholders mean views on good governance with the National Rifle Association.**



**Table 4.63**  
**Scheffe's Post Hoc Test of Significance and Difference among the Means of Stakeholders Opinions about all the dimensions with regard to Volleyball Federation of India**

Players	Coaches	Officials	Administrators	Mean Difference	Significance
136.89	199.77	-	-	62.88*	0.000
136.89	-	201.60	-	64.70*	0.000
136.89	-	-	200.66	63.77*	0.000
-	199.77	201.60	-	1.82	0.999
-	199.77	-	200.66	0.88	1.000
-	-	201.60	200.66	0.93	1.000

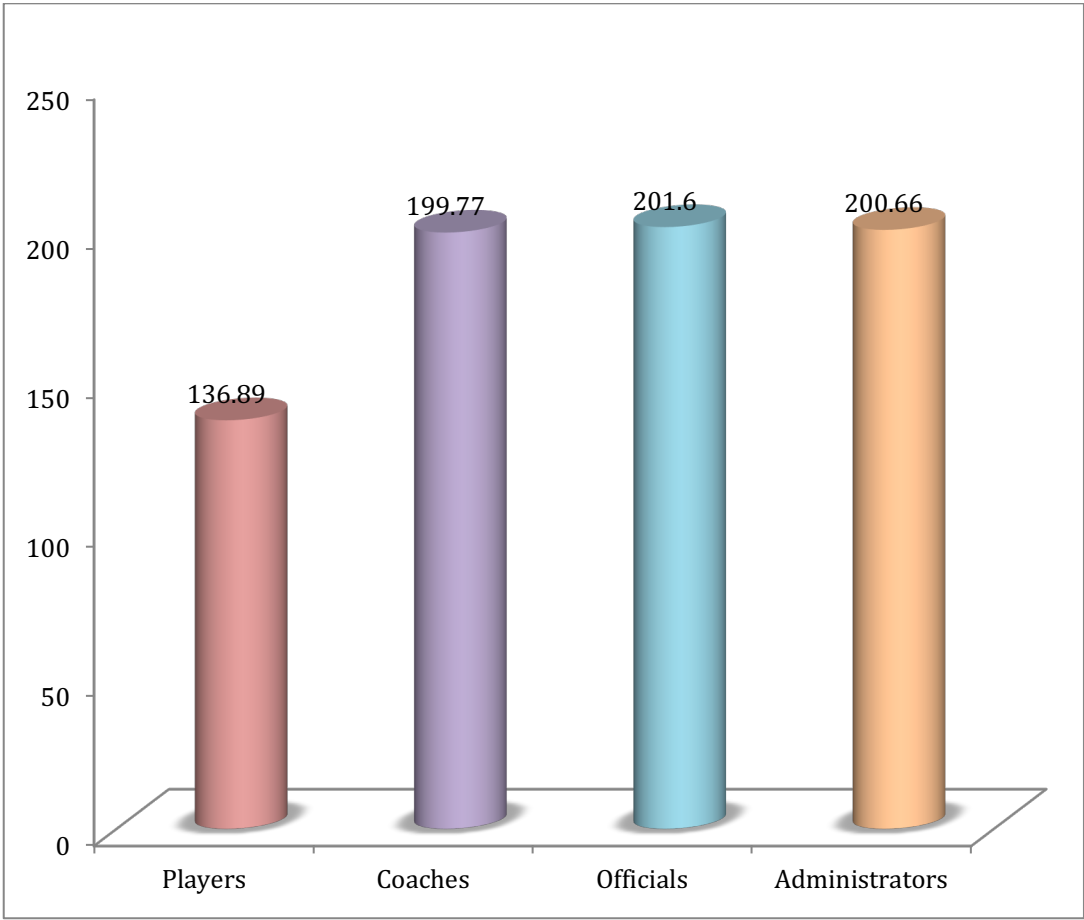
P < 0.05

From the above table 4.63, it is inferred that there was significant mean difference between the pairs of players and coaches which is 62.88, players and coaches is 64.70, players and administrators with 63.77 on various dimensions of good governance. Since the significance value was lesser than 0.05, which implies that opinions of stakeholders of Volleyball Federation have high regards towards good governance.

It is also observed that the significance values between the pairs of other stakeholders are greater than the significance value, which shows that coaches with officials, coaches with administrators and administrators with officials, have equal satisfaction level towards good governance with respect to Volleyball Federation of India.

The mean values of the opinion of stakeholders on the various dimensions of good governance of Volleyball Federation were presented through diagram for better understanding of the results in figure 4.39.

**Figure 4.39**  
**Graphical representation of the comparison of stakeholders mean views on good governance with the Volleyball Federation.**



#### **4.11. ANALYSIS RELATED TO RESPONDENTS' OPINION ON GOOD GOVERNANCE IN VARIOUS FEDERATIONS WITH REGARD TO GENDERS:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference between stakeholders' opinion on good governance in all Federations such as Athletics, Badminton, Taekwondo, National Rifle, Swimming and Volleyball with regard to genders.

##### **Hypothesis7:**

**H<sub>7</sub>** : There is a significant difference between gender of the stakeholders of various federations opinion about the various dimensions of good governance with respect to the Federation.

't' test is being used for testing the above hypothesis with regards to good governance. The gender of the respondents' opinion of all the Federation about good governance was analyzed using independent t test. The results are given in the table 4.64.



**Table 4.64**  
**‘t’ test Analysis of the respondents’ gender of all Federation with regard to good governance**

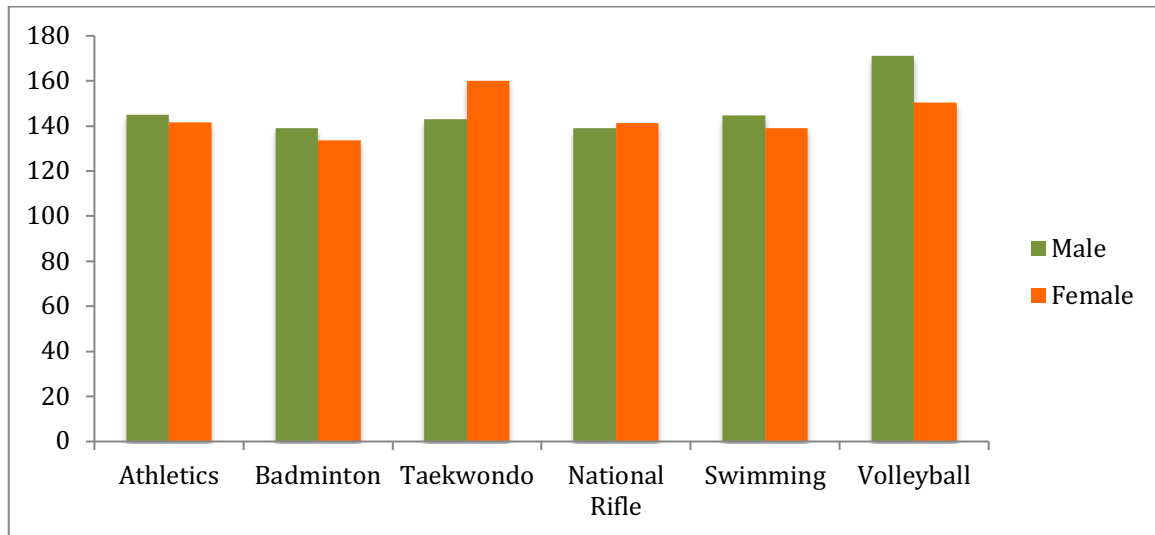
Federation	Gender	N	Mean	SD	t- value	Significance
Athletics	Male	53	145.01	30.2	0.50	0.614
	Female	32	141.62	29.56		
Badminton	Male	29	139.13	21.93	1.01	0.317
	Female	27	133.7	17.96		
Taekwondo	Male	29	143.06	27.83	-1.70	0.096
	Female	19	160.15	41.95		
National Rifle	Male	36	139.05	26.88	-0.293	0.771
	Female	24	141.2	29.32		
Swimming	Male	38	144.73	30.13	0.671	0.506
	Female	15	138.93	23.13		
Volleyball	Male	30	171.16	38.75	1.886	0.066
	Female	18	150.44	33.38		

P<0.05

The above table 4.64 shows that the mean, standard deviation and sample size of the respondents with respect to gender of all National Federation of India such as Athletics, Badminton, Taekwondo, National Rifle, Swimming and Volleyball on good governance. The highest mean value 171.16 is given by male respondents of volleyball federation about the opinion of good governance, followed by female respondents of taekwondo, which is 160.15. The lowest mean value 133.00 is given by female respondents and 139.13 of badminton by male respondents about the opinion of good governance. The ‘t’ test Analysis indicated not significant difference across the gender with all the Federation, since the ‘P’ value is greater than 0.05 level of significance. The finding revealed that the male and female respondents do not differ significantly on the opinion about the various dimensions of good governance with respect to Federation.

The mean values of the stakeholders' opinion on the basis of Gender were presented through diagram for better understanding of the results in figure 4.40.

**Figure 4.40**  
**Graphical representation of the genders means opinion on good governance.**



#### **4.12. ANALYSIS RELATED TO THE ROLE OF AGE OF THE STAKEHOLDERS OF VARIOUS FEDERATIONS WITH REGARD TO GOOD GOVERNANCE.**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference between different age groups of the stakeholders of various Federations such as Athletics, Badminton, Taekwondo, National Rifle, Swimming and Volleyball with regard to good governance.

##### **Hypothesis 8:**

There is a significant difference among the various age groups of the stakeholders of various Federations with regard to good governance.

The researcher has used suitable statistical tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regards to good governance. The various age groups of the Stakeholders opinion of all the Federation about good governance was analyzed using One-way Analysis of Variance and Scheffe's Post Hoc Test to find out the degree of difference between the age groups about good governance of all Federation. The results are given in the table 4.65.

**Table 4.65**  
**One-way Analysis of Variance among the various Age groups of Stakeholders of various Federation with regard to good governance**

Federation	Age means	Source of Variation	Df	Sum of Squares	Mean Sum of Squares	F value	Significance
Athletics	G <sub>1</sub> =134.52 G <sub>2</sub> =137.80 G <sub>3</sub> =155.18 G <sub>4</sub> =175.33	Between Groups	3	14879.359	4959.786	6.708	0.000 P<0.05 Significant
		Within Groups	81	59892.947	739.419		
Badminton	G <sub>1</sub> =142.60 G <sub>2</sub> =133.00 G <sub>3</sub> =128.83 G <sub>4</sub> =146.33	Between Groups	3	2529.349	843.116	2.220	0.097 P<0.05 Not Significant
		Within Groups	52	19746.633	379.743		
Taekwondo	G <sub>1</sub> =148.05 G <sub>2</sub> =149.18 G <sub>3</sub> =154.57 G <sub>4</sub> =145.00	Between Groups	3	512.661	170.887	0.134	0.939 P<0.05 Not Significant
		Within Groups	44	56214.006	1277.591		
National Rifle	G <sub>1</sub> =139.46 G <sub>2</sub> =129.25 G <sub>3</sub> =145.55 G <sub>4</sub> =161.40	Between Groups	3	5220.950	1740.317	2.441	0.074 P<0.05 Not Significant
		Within Groups	56	39925.633	712.958		
Swimming	G <sub>1</sub> =151.58 G <sub>2</sub> =128.20 G <sub>3</sub> =139.22 G <sub>4</sub> =130.60	Between Groups	3	5225.138	1741.713	2.356	0.083 P<0.05 Not Significant
		Within Groups	49	36217.390	739.130		
Volleyball	G <sub>1</sub> =134.00 G <sub>2</sub> =137.20 G <sub>3</sub> =188.87 G <sub>4</sub> =200.00	Between Groups	3	43750.204	14583.401	27.218	0.000 P<0.05 Significant
		Within Groups	44	23575.275	535.802		

<i>G1= Less than 25 Years</i>	<i>G2= 26 to 35 years</i>
<i>G3= 36 to 45 Years</i>	<i>G4= 46 Years and above</i>

It was inferred from the table 4.65 that there would be a significant difference among the various age group of stakeholders' opinion about all the dimensions of good governance with regard to Athletics Federations. The age group of '46 years and above' has the highest mean value of 175.33 whereas 'Less than 25 years' has the lowest mean value of 134.52 . Since the probability value 'P' was lesser than significance value 0.05, therefore  $H_8$  was accepted for the Athletics Federation and the Scheffe's Post Host test was computed further in order to find out difference between the age groups of stakeholders' opinion on good governance with regards to the Athletics federation. The test results are shown in the table 4.66.

It was also observed that there would be a no significant difference among the various age group of stakeholders' opinion about all the dimensions of good governance with regard to Badminton Association. The age group of '46 years and above' has the highest mean value of 146.33 whereas '36 to 45 years' age group has the lowest mean value of 128.83. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_8$  was rejected and hence Scheffe's Post Host test was not computed for Badminton Association.

It was identified that there would be a no significant difference among the various age group of stakeholders' opinion about all the dimensions of good governance with regard to Taekwondo Federation. The age group of '36 to 45 years' age group 'has the highest mean value of 154.57 whereas '46 years and above' age group has the lowest mean value of 145.00. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_8$  was rejected and hence Scheffe's Post Host test was not computed for Taekwondo Federation.

It was also observed that there would be a no significant difference among the various age group of stakeholders' opinion about all the dimensions of good

governance with regard to National Rifle Association. The age group of '46 years and above' has the highest mean value of 161.40 whereas '26 to 35 years' age group has the lowest mean value of 129.25. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_0$  was rejected and hence Scheffe's Post Host test was not computed for National Rifle Association.

It was understood that there would be a no significant difference among the various age group of stakeholders' opinion about all the dimensions of good governance with regard to Swimming Federation. The age group of 'Less than 25 years' has the highest mean value of 151.58 whereas '26 to 35 years' age group has the lowest mean value of 128.20. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_0$  was rejected and hence Scheffe's Post Host test was not computed for Swimming Federation.

It was inferred from the table 4.60 that there would be a significant difference among the various age group of stakeholders' opinion about all the dimensions of good governance with regard to Volleyball Federations. The age group of '46 years and above' has the highest mean value of 200.00 whereas 'Less than 25 years' has the lowest mean value of 134.00. Since the probability value 'P' was lesser than significance value 0.05, therefore  $H_0$  was accepted for the Volleyball Federation and the Scheffe's Post Host test was computed further in order to find out difference between the age groups of stakeholders' opinion on good governance with regards to the Volleyball federation. The test results are shown in the table 4.67

**Table 4.66**  
**Scheffe's Post Hoc Test of Significance and Difference among the Mean age groups of Respondents Opinions about good governance for the Athletics Federation of India**

Less than 25 years	26 to 35 years	36 to 45 years	46 years and above	Mean Difference	Significance
134.52	137.80	-	-	3.27	0.975
134.52	-	155.18	-	20.65	0.108
134.52	-	-	175.33	40.80*	0.002
-	137.80	155.18	-	17.37	0.264
-	137.80	-	175.33	37.52*	0.008
-	-	155.18	175.33	20.14	0.373

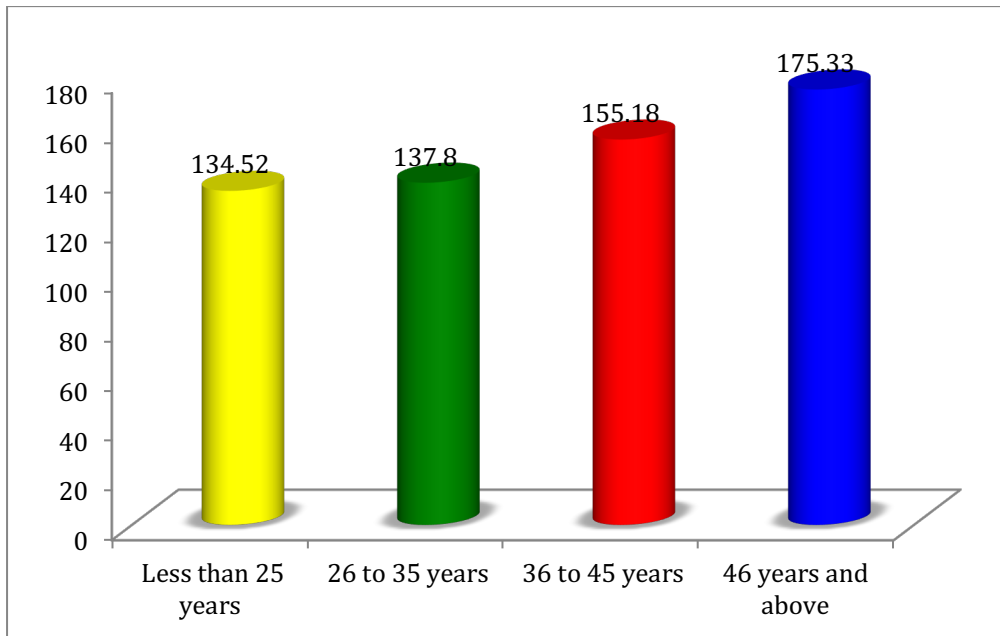
P < 0.05

From the above table 4.66, it is inferred that there was significant mean difference between the age group of respondents between less than 25 years group and 46 years and above group which is 40.80, 26 to 35 years and 46 years and above group is 37.52, on various dimensions of good governance, since the significance value was lesser than 0.05, which implies that opinions of stakeholders of the aged group of Athletic Federation have high regards towards good governance.

It is also observed that the significance values between the pairs of other age group are greater than the significance value, which shows that Less than 25 years with 26 to 35 years and 36 to 45 years, 26 to 35 years with 36 to 45 years, 36 to 45 years with 46 years and above, have equal satisfaction level towards good governance with respect to Athletic Federation of India.

The mean values of the opinion of stakeholders on the basis of age group on the various dimensions of good governance of athletics federation were presented through diagram for better understanding of the results in figure 4.41.

**Figure 4.41.**  
**Graphical representation of the comparison of age of stakeholders mean views on good governance with the Athletics Federation.**



**Table 4.67**  
**Scheffe's Post Hoc Test of Significance and Difference among the Mean age groups of Respondents Opinions about Good Governance for the Volleyball Federation of India**

Less than 25 years	26 to 35 years	36 to 45 years	46 years and above	Mean Difference	Significance
134.00	137.20	-	-	3.20	0.989
134.00	-	188.87	-	54.87*	0.000
134.00	-	-	200.00	66.00*	0.000
-	137.20	188.87	-	51.67*	0.000
-	137.20	-	200.00	62.80*	0.000
-	-	188.87	200.00	11.12	0.759

P < 0.05

From the above table 4.67, it is inferred that there was significant mean difference between the age group of respondents between less than 25 years group and 36 to 45 group which is 54.87, less than 25 years group and 46 years and above is 66.00, 26 to 35 years and 36 to 45 years is 51.67, 26 to 35 years and 46 years and

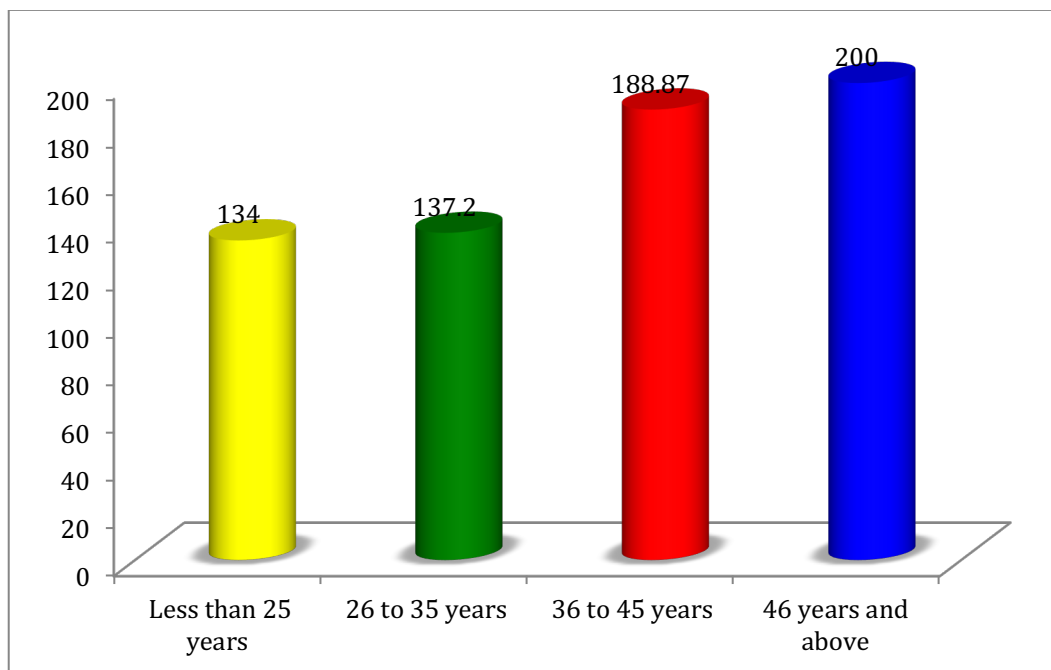


above group is 62.80, on various dimensions of good governance, since the significance value was lesser than 0.05, which implies that opinions of stakeholders of the aged group of volleyball federation have high regards towards good governance.

It is also observed that the significance values between the pairs of other age group are greater than the significance value, which shows that Less than 25 years with 46 years and above and 36 to 45 years with 46 years and above have equal satisfaction level towards good governance with respect to Volleyball Federation of India.

The mean values of the opinion of stakeholders on the basis of age group on the various dimensions of good governance of volleyball federation were presented through diagram for better understanding of the results in figure 4.42.

**Figure 4.42.**  
**Graphical representation of the comparison of age of stakeholders mean views on good governance with the Volleyball Federation.**



#### **4.13 ANALYSIS RELATED TO QUALIFICATION OF THE RESPONDENTS INVOLVED AT ALL FEDERATIONS ON GOOD GOVERNANCE:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference between different Qualification groups of the stakeholders of various Federations such as Athletics, Badminton, Taekwondo, National Rifle, Swimming and Volleyball with regard to good governance.

##### **Hypothesis 9:**

There is a significant difference among the different qualification groups of the respondents of various Federations with regard to good governance.

The researcher has used suitable statistical tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regards to good governance. The various Qualification groups of the Stakeholders opinion of all the Federation about good governance was analyzed using one-way Analysis of Variance and Scheffe's Post Hoc Test to find out the degree of difference between the Qualification groups about good governance of all Federation. The results are given in the table 4.68.

**Table 4.68**  
**One-way Analysis of Variance among the various Qualification groups**  
**Of Stakeholders of various Federations with regard to Good**  
**Governance**

Federation	Qualification means	Source of Variation	Df	Sum of Squares	Mean Sum of Squares	F value	Significance
Athletics	G <sub>1</sub> =139.80 G <sub>2</sub> =142.25 G <sub>3</sub> =151.11	Between Groups	2	1207.82	603.91	0.673	0.513 P<0.05 Not Significant
		Within Groups	82	73564.48	897.12		
Badminton	G <sub>1</sub> =149.83 G <sub>2</sub> =134.32 G <sub>3</sub> =135.89	Between Groups	2	1220.58	610.29	1.536	0.225 P<0.05 Not Significant
		Within Groups	53	21055.39	397.27		
Taekwondo	G <sub>1</sub> =182.50 G <sub>2</sub> =146.18 G <sub>3</sub> =153.50	Between Groups	2	2747.79	1373.89	1.145	0.327 P<0.05 Not Significant
		Within Groups	45	53978.87	1199.53		
National Rifle	G <sub>1</sub> =142.60 G <sub>2</sub> =138.50 G <sub>3</sub> =143.46	Between Groups	2	283.65	141.82	0.180	0.836 P<0.05 Not Significant
		Within Groups	57	44862.93	787.06		
Swimming	G <sub>1</sub> =143.87 G <sub>2</sub> =148.39 G <sub>3</sub> =125.22	Between Groups	2	3670.54	1835.27	2.429	0.098 P<0.05 Not Significant
		Within Groups	50	37771.98	755.44		
Volleyball	G <sub>1</sub> =111.00 G <sub>2</sub> =163.06 G <sub>3</sub> =167.60	Between Groups	2	3014.00	1507.00	1.054	0.357 P<0.05 Not Significant
		Within Groups	45	64311.47	1429.14		

<i>G<sub>1</sub> = Up to 12<sup>th</sup></i>	<i>G<sub>2</sub> = Graduation</i>	<i>G<sub>3</sub> = Post Graduation</i>
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It was observed from the table 4.68 that there would be a no significant difference among the various Qualification group of stakeholders' opinion about all the dimensions of good governance with regard to Athletics Federation. The Qualification group of 'Post Graduation' has the highest mean value of 151.11 whereas 'Up to 12<sup>th</sup>' Qualification group has the lowest mean value of 139.80.

It was identified that there would be a no significant difference among the various Qualification group of stakeholders' opinion about all the dimensions of good governance with regard to Badminton Association. The Qualification group of 'Up to 12<sup>th</sup>' has the highest mean value of 149.83 whereas 'Graduation' Qualification group has the lowest mean value of 134.32.

It was understood that there would be a no significant difference among the various Qualification group of stakeholders' opinion about all the dimensions of good governance with regard to Taekwondo Federation. The Qualification group of 'Up to 12<sup>th</sup>' has the highest mean value of 182.50 whereas 'Graduation' Qualification group has the lowest mean value of 146.18.

It was made note that there would be a no significant difference among the various Qualification group of stakeholders' opinion about all the dimensions of good governance with regard to National Rifle Association. The Qualification group of 'Post Graduation' has the highest mean value of 143.46 whereas 'Graduation' Qualification group has the lowest mean value of 138.50.

It was revealed that there would be a no significant difference among the various Qualification group of stakeholders' opinion about all the dimensions of good governance with regard to Swimming Federations. The Qualification group of 'Graduation' has the highest mean value of 148.39 whereas 'Post Graduation' Qualification group has the lowest mean value of 125.22.

It was also observed that there would be a no significant difference among the various Qualification group of stakeholders' opinion about all the dimensions of good governance with regard to Volleyball Federation. The Qualification group of 'Post

Graduation' has the highest mean value of 167.60 whereas 'Up to 12<sup>th</sup> 'Qualification group has the lowest mean value of 111.00.

Since the probability value 'P' is greater than the significance value 0.05, therefore H<sub>0</sub> was rejected and hence Scheffe's Post Hoc test was not computed for all the Federations.

#### **4.14 ANALYSIS RELATED TO THE EXPERIENCE OF THE RESPONDENTS INVOLVED AT ALL FEDERATIONS ON GOOD GOVERNANCE:**

The researcher has formulated the following hypothesis in order to find out whether there is a significant difference between different Experience groups of the stakeholders of various Federations such as Athletics, Badminton, Taekwondo, National Rifle, Swimming and Volleyball with regard to good governance.

##### **Hypothesis 10:**

There is a significant difference among the different experience groups of the respondents of various Federations with regard to good governance.

The researcher has used suitable statistical tools such as One-way ANOVA and Scheffe's Post Hoc Test for testing the above hypothesis with regards to good governance. The various Experience groups of the Stakeholders opinion of all the Federation about good governance was analyzed using one-way Analysis of Variance and Scheffe's Post Hoc Test to find out the degree of difference between the Experience groups about good governance of all Federation. The results are given in the table 4.69.

**Table 4.69**  
**One-way Analysis of Variance among the various Experience groups**  
**of Stakeholders of various Federations with regard To Good**  
**Governance**

Federation	Experience means	Source of Variation	Df	Sum of Squares	Mean Sum of Squares	F value	Significance
<b>Athletics</b>	G <sub>1</sub> =135.55 G <sub>2</sub> =149.62 G <sub>3</sub> =161.72	Between Groups	2	7576.18	3788.09	4.623	P=0.013 P<0.05 Significant
		Within Groups	82	67196.12	819.46		
<b>Badminton</b>	G <sub>1</sub> =145.86 G <sub>2</sub> =132.56 G <sub>3</sub> =138.00	Between Groups	2	1897.16	948.58	2.467	P=0.095 P<0.05 Not Significant
		Within Groups	53	20378.81	384.50		
<b>Taekwondo</b>	G <sub>1</sub> =151.00 G <sub>2</sub> =148.37 G <sub>3</sub> =152.36	Between Groups	2	141.82	70.91	0.056	P=0.945 P<0.05 Not Significant
		Within Groups	45	56584.84	1257.44		
<b>National Rifle</b>	G <sub>1</sub> =140.00 G <sub>2</sub> =136.88 G <sub>3</sub> =147.21	Between Groups	2	1058.69	529.34	0.684	P=0.508 P<0.05 Not Significant
		Within Groups	57	44087.88	773.47		
<b>Swimming</b>	G <sub>1</sub> =152.89 G <sub>2</sub> =138.82 G <sub>3</sub> =130.60	Between Groups	2	3133.40	1566.70	2.045	P=0.140 P<0.05 Not Significant
		Within Groups	50	38309.12	766.18		
<b>Volleyball</b>	G <sub>1</sub> =151.11 G <sub>2</sub> =157.25 G <sub>3</sub> =201.00	Between Groups	2	13838.65	6919.32	5.821	P=0.006 P<0.05 Significant
		Within Groups	45	53486.82	1188.59		

<i>G<sub>1</sub> = Less than 5 Years</i>	<i>G<sub>2</sub> = 5 to 10 Years</i>	<i>G<sub>3</sub> = Above 10 years</i>
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It was inferred from the table 4.69 that there would be a significant difference among the various experience group of stakeholders' opinion about all the dimensions of good governance with regard to Athletics Federations. The Experience group of '10 years and above' has the highest mean value of 161.72 whereas 'Less than 5 years' has the lowest mean value of 135.55. Since the probability value 'P' was lesser than significance value 0.05, therefore  $H_{10}$  was accepted for the Athletics Federation and the Scheffe's Post Host test was computed further in order to find out difference between the Experience groups of stakeholders' opinion on good governance with regards to the Athletics federation. The test results are shown in the table 4.70.

It was also observed that there would be a no significant difference among the various experience group of stakeholders' opinion about all the dimensions of good governance with regard to Badminton Association. The Experience group of 'Less than 5 Years' has the highest mean value of 145.86 whereas '5 to 10 years' of Experience group has the lowest mean value of 132.57. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_{10}$  was rejected and hence Scheffe's Post Host test was not computed for Badminton Association.

It was identified that there would be a no significant difference among the various experience group of stakeholders' opinion about all the dimensions of good governance with regard to Taekwondo Federation. The Experience group of '10 years and above' has the highest mean value of 152.36 whereas '5 to 10 years' of Experience group has the lowest mean value of 148.37. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_{10}$  was rejected and hence Scheffe's Post Host test was not computed for Taekwondo Federation.

It was revealed that there would be a no significant difference among the various experience group of stakeholders' opinions about all the dimensions of good governance with regard to National Rifle Association. The Experience group of '10 years and above' has the highest mean value of 147.21 whereas '5 to 10 years' of Experience group has the lowest mean value of 136.88. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_{10}$  was rejected and hence Scheffe's Post Host test was not computed for National Rifle Association.

It was understood that there would be a no significant difference among the various experience group of stakeholders' opinions about all the dimensions of good governance with regard to Swimming Federation. The Experience group of 'Less than 5 years' has the highest mean value of 152.89 whereas '10 years and above' of Experience group has the lowest mean value of 130.60. Since the probability value 'P' is greater than the significance value 0.05, therefore  $H_{10}$  was rejected and hence Scheffe's Post Host test was not computed for Swimming Federation.

It was inferred from the table 4.69 that there would be a significant difference among the various experience group of stakeholders' opinion about all the dimensions of good governance with regard to Volleyball Federations. The Experience group of '10 years and above' has the highest mean value of 201.00 whereas 'Less than 5 years' has the lowest mean value of 151.11. Since the probability value 'P' was lesser than significance value 0.05, therefore  $H_{10}$  was accepted for the Volleyball Federation and the Scheffe's Post Host test was computed further in order to find out difference between the Experience groups of stakeholders' opinion on good governance with regards to the Volleyball Federation. The test results are shown in the table 4.71.



**Table 4.70**  
**Scheffe's Post Hoc Test of Significance and Difference among the Mean**  
**Experience groups of respondents Opinions about Good Governance for the**  
**Athletics Federation of India**

<b>Less than 5 years</b>	<b>5 to 10 years</b>	<b>Above 10 years</b>	<b>Mean Difference</b>	<b>Significance</b>
135.55	149.62	-	14.06	0.126
135.55	-	161.72	26.17*	0.029
-	149.62	161.72	12.10	0.493

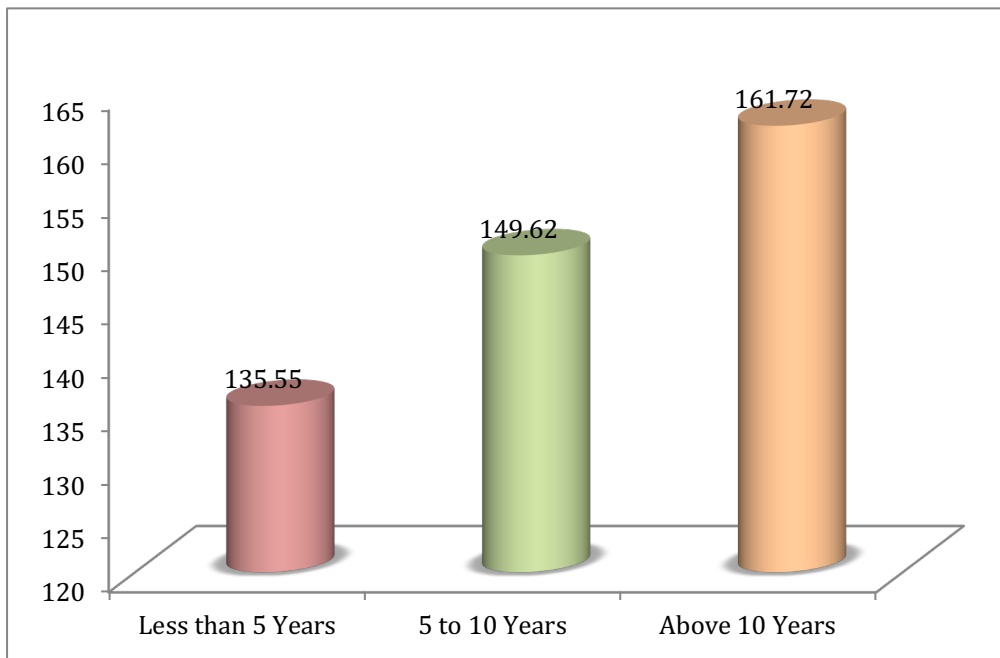
P < 0.05, \*. The mean difference is significant at the 0.05 level.

From the above table 4.70, it is inferred that there was significant mean difference between the experience group of respondents between less than 5 years group and above 10 years group which is 26.17, on various dimensions of good governance, since the significance value was lesser than 0.05, which implies that opinions of stakeholders of the experienced group of athletic Federation have high regards towards good governance.

It is also observed that the significance values between the pairs of other experience group are greater than the significance value, which shows that Less than 5 years with 5 to 10 years and 5 to 10 years, with above 10 years, have equal satisfaction level towards good governance with respect to Athletic Federation of India.

The mean values of the opinion of stakeholders on the basis of experience group on the various dimensions of good governance of athletics federation were presented through diagram for better understanding of the results in figure 4.43.

**Figure 4.43**  
**Graphical representation of the comparison of experience of stakeholders mean views on good governance with the Athletics Federation.**



**Table 4.71**

**Scheffe's Post Hoc Test of Significance and Difference among the Mean Experience groups of respondents Opinions about Good Governance for the Volleyball Federation of India**

Less than 5 years	5 to 10 years	Above 10 years	Mean Difference	Significance
151.11	157.25		6.14	0.895
151.11		201.00	49.88*	0.017
	157.25	201.00	43.74*	0.010

P < 0.05, \*. The mean difference is significant at the 0.05 level.

From the above table 4.71, it is inferred that there was significant mean difference between the experience group of respondents between less than 5 years group and above 10 years group which is 49.88 and 5 to 10 years group with above 10 years group which is 43.74, on various dimensions of good governance, since the

significance value was lesser than 0.05, which implies that opinions of stakeholders of the experienced group of volleyball Federation have high regards towards good governance.

It is also observed that the significance values between the pairs of other experience group are greater than the significance value, which shows that Less than 5 years with 5 to 10 years, have equal satisfaction level towards good governance with respect to Volleyball Federation of India.

The mean values of the opinion of stakeholders on the basis of experience group on the various dimensions of good governance of volleyball federation were presented through diagram for better understanding of the results in figure 4.44.

**Figure 4.44**  
**Graphical representation of the comparison of experience of stakeholders mean views on good governance with the Volleyball Federation.**

