

CHAPTER-4

RESULTS & DISCUSSION

4.1 INTRODUCTION:

In this chapter the results of the data analysis are presented. The data were collected and then processed in response to the problems. The nature of the present study was an experiment. Researcher has carried out the experiment using 2X2X2 factorial design.

So here, the researcher has tried to balance heart and brain of research through explanations for the collected data and analyzed it to investigate the study as under. Only after that the investigator has derived conclusions for all the questions which investigator had before starting the research. Conclusions arrived from the collected data, may help in future research.

4.2 RESULT DISCUSSION OF ACHIEVEMENT MOTIVATION:

Table No. 4.1: Table show the F value of students in relation to Achievement Motivation

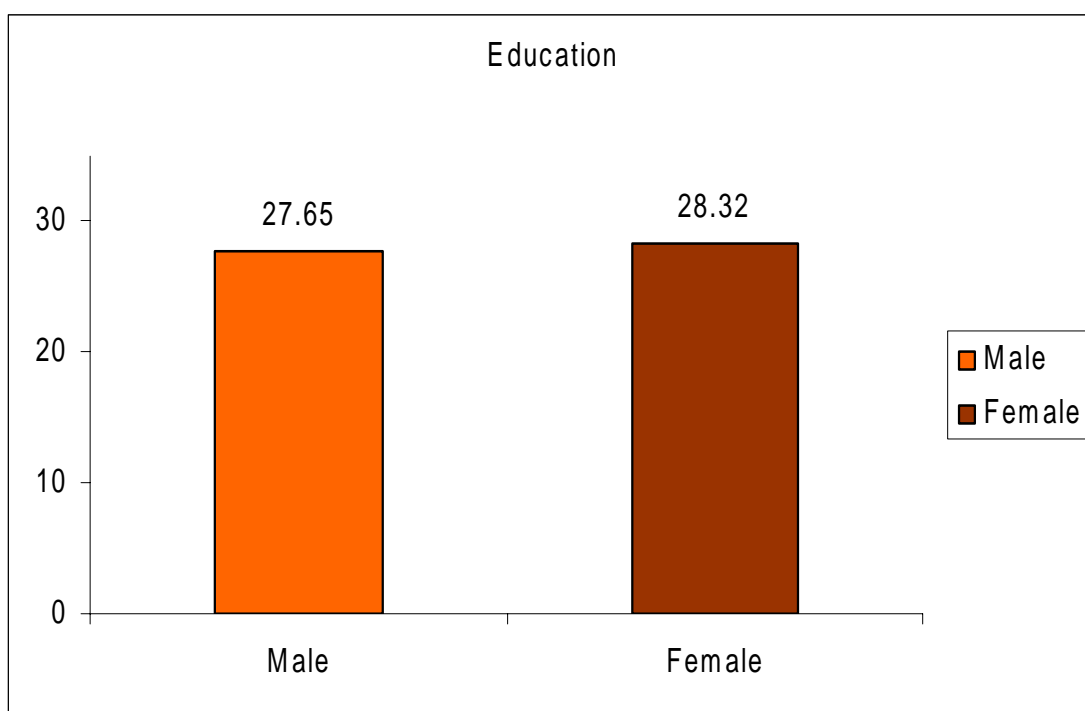
Source	Sum of Squares	df	Mean Square	F
A	35.78	1	35.78	0.540
B	20.504	1	20.504	0.310
C	193.75	1	193.75	2.92
A × B	155.40	1	155.40	2.34
A × C	11.63	1	11.63	0.18
B × C	23.65	1	23.65	0.36
A × B × C	314.03	1	314.03	4.78*
Error	20728.23	233	66.44	-
Total	272195.000	240	-	-

* Significant at . 01 Level & **Significant at . 05 Level

Table No 4.2: Table showing the Mean and ‘F’ value of Achievement Motivation work interest of players in relation to Education.

A	N	M	F
A ₁	120	27.65	0.540
A ₂	120	28.32	

This table shows the mean and ‘F’ value of undergraduate and post-graduate. The mean of male are 27.65 and the mean of female are 28.32. The ‘F’ value is 0.540, which is significant at 0.01 levels. Therefore, there is a not significant mean difference between the Achievement Motivation of players in relation to education and the hypotheses are rejected. “There is significant mean difference between the Achievement Motivation work interests of students in relation to their education”

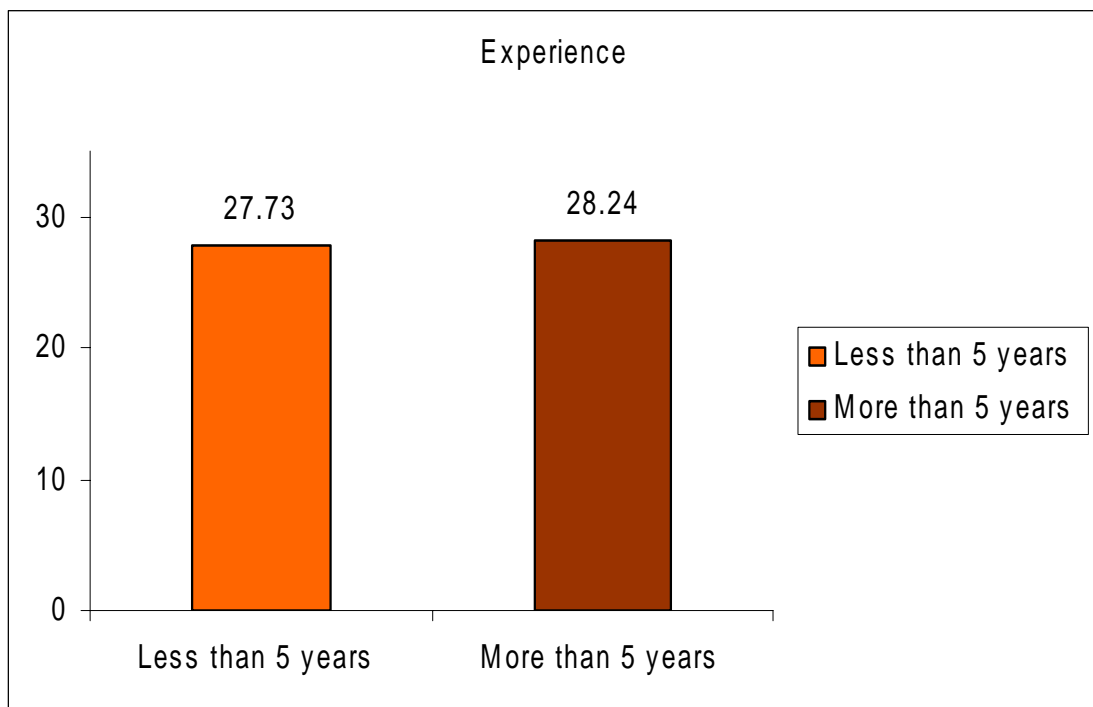


Graph showing Mean value of Achievement Motivation work interest of players in relation to Education.

Table No 4.3: Table showing the Mean and ‘F’ value of Achievement Motivation work interest of players in relation to Experience

B	N	M	F
B ₁	120	27.73	0.310
B ₂	120	28.24	

This table shows the mean and ‘F’ value of Less than 5 years experience and More than 5 years experience. The mean of male are 27.73 and the mean of female are 28.24. The ‘F’ value is 0.310, which is significant at 0.01 levels. Therefore, there is a not significant mean difference between the Achievement Motivation of players in relation to experience and the hypotheses are rejected. “There is significant mean difference between the Achievement Motivation work interests of students in relation to their experience”

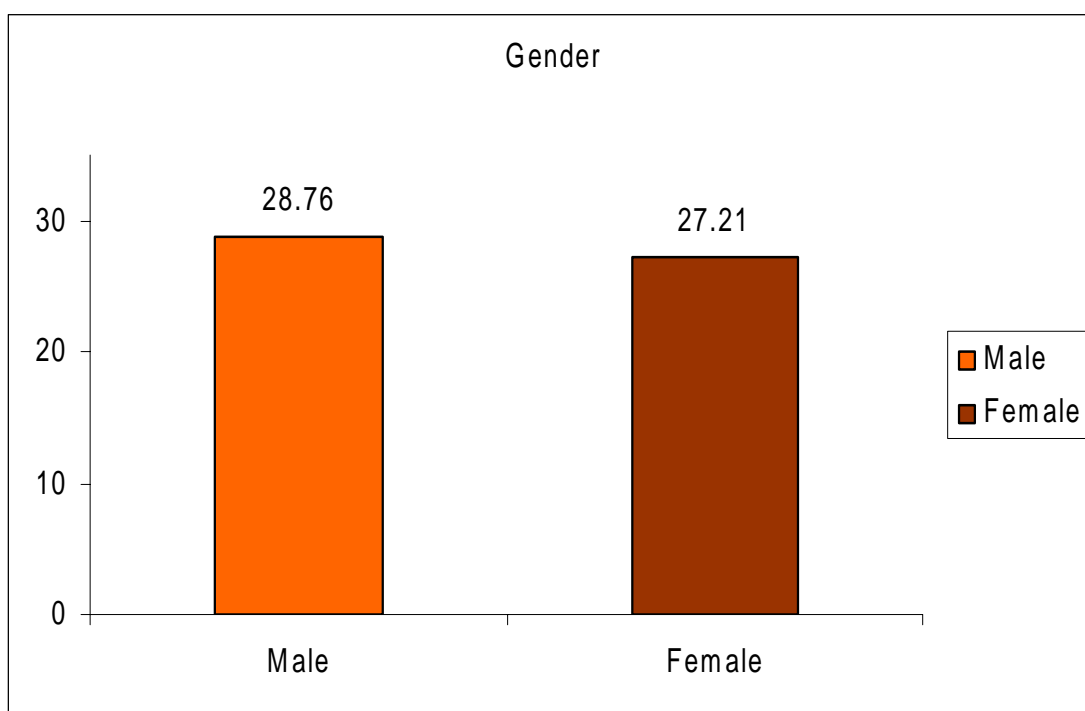


Graph showing the Mean value of Achievement Motivation work interest of players in relation to Experience

Table No 4.4: Table showing the Mean and ‘F’ value of Achievement Motivation work interest of students in relation to gender.

C	N	M	F
C ₁	120	28.76	2.92
C ₂	120	27.21	

This table shows the mean and ‘F’ value of male and female. The mean of male are 28.76 and the mean of female are 27.21. The ‘F’ value is 2.92, which is significant at 0.01 levels. Therefore, there is a not significant mean difference between the Achievement Motivation of players in relation to gender and the hypotheses are rejected. “There is significant mean difference between the Achievement Motivation work interests of students in relation to their gender”

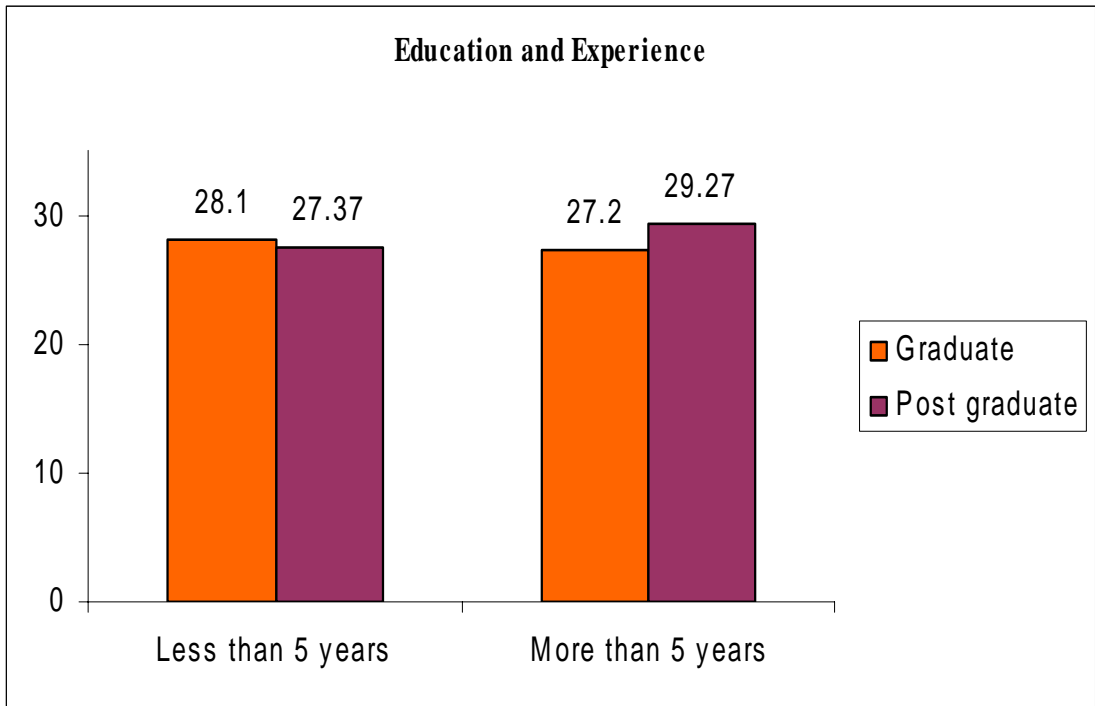


Graph showing the Mean value of Achievement Motivation work interest of students in relation to gender.

Table No 4.5: Table showing the Mean and ‘F’ value of Achievement Motivation work interest of students in relation to education and experience.

A	B		F
	B ₁	B ₂	
A ₁	28.10	27.20	2.34
A ₂	27.37	29.27	

This table shows the mean and ‘F’ value of student’s under graduate and post-graduate. The mean difference of Less than 5 years experience volleyball players is 28.10 and mean difference of Less than 5 years experience basketball players is 27.37, The mean difference of more than 5 years experience volleyball players is 27.20 and mean difference of more than 5 years experience basketball players is 29.27. The ‘F’ value is 2.34, which is significant at 0.01 level. Therefore, there is not significant mean difference between the Achievement Motivation work interest of players in relation to education and experience and the Hypotheses is rejected. “There is significant mean difference between the Achievement Motivation work interests of players in relation to education and experience.

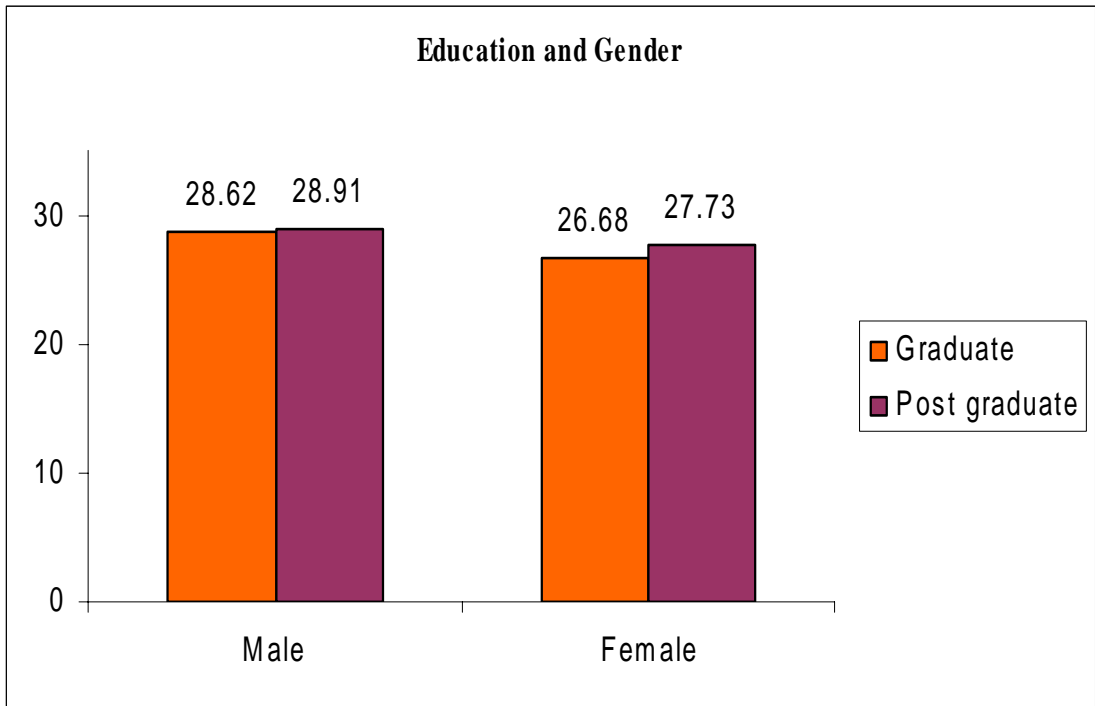


Graph showing the Mean value of Achievement Motivation work interest of students in relation to education and experience.

Table No 4.6: Table showing the Mean and ‘F’ value of Achievement Motivation work interest of students in relation to education and gender.

A	C		F
	C ₁	C ₂	
A ₁	28.62	26.68	0.18
A ₂	28.91	27.73	

This table shows the mean and ‘F’ value of student’s under graduate and post-graduate. The mean difference of male volleyball players is 28.62 and mean difference of male basketball players is 28.91, The mean difference of female volleyball players is 26.68 and mean difference of female basketball players is 27.73. The ‘F’ value is 0.18, which is significant at 0.01 level. Therefore, there is not significant mean difference between the Achievement Motivation work interest of players in relation to education and experience and the Hypotheses is rejected. “There is significant mean difference between the Achievement Motivation work interests of players in relation to education and experience.

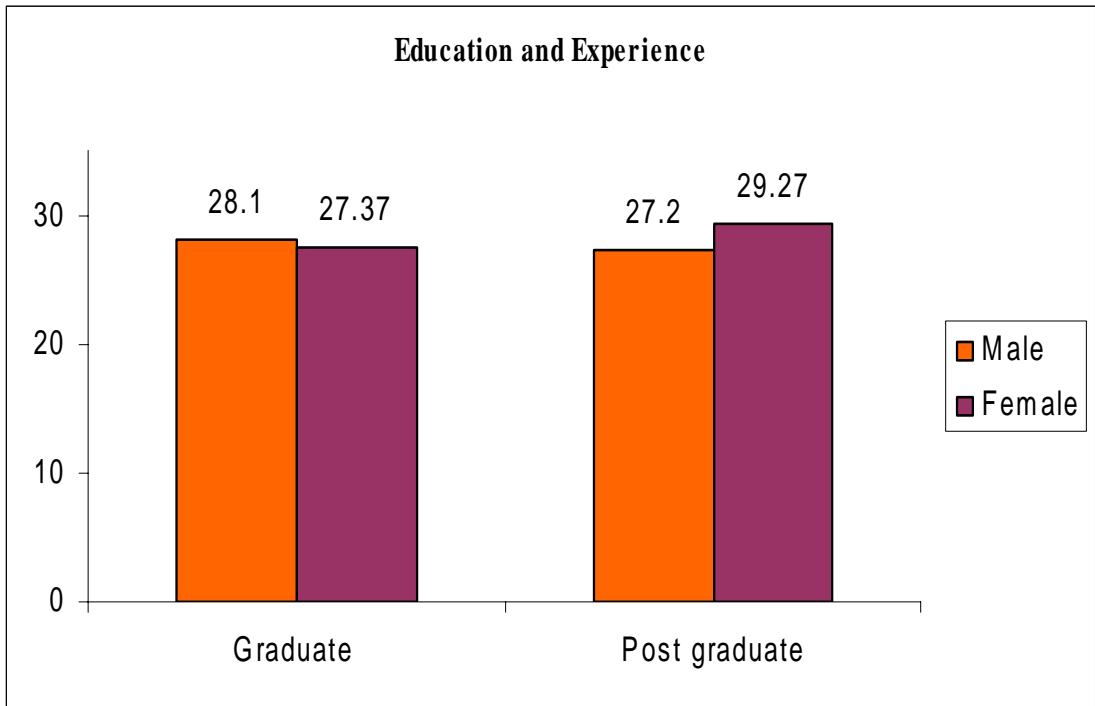


Graph showing the Mean value of Achievement Motivation work interest of students in relation to education and gender.

Table No 4.7: Table showing the Mean and ‘F’ value of Achievement Motivation work interest of students in relation to experience and gender.

B	C		F
	C ₁	C ₂	
B ₁	28.78	26.68	0.36
B ₂	28.75	27.73	

This table shows the mean and ‘F’ value of student’s male and female. The mean difference of Less than 5 years experience male volleyball players is 28.78 and mean difference of Less than 5 years experience male basketball players is 28.75, The mean difference of more than 5 years experience female volleyball players is 26.68 and mean difference of more than 5 years experience female basketball players is 27.73. The ‘F’ value is 0.36, which is significant at 0.01 level. Therefore, there is not significant mean difference between the Achievement Motivation work interest of players in relation to education and experience and the Hypotheses is rejected. “There is significant mean difference between the Achievement Motivation work interests of players in relation to education and experience.

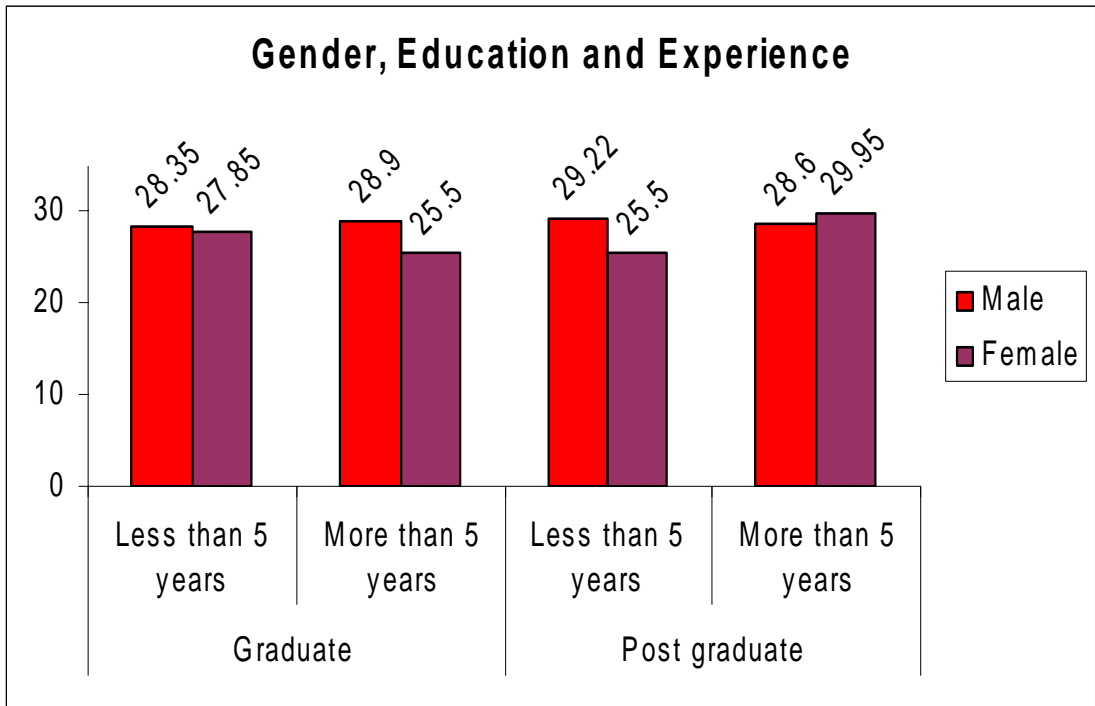


Graph showing the Mean value of Achievement Motivation work interest of students in relation to experience and gender.

Table No 4.8: Table showing the Mean and ‘F’ value of Achievement Motivation work interest of students in relation to gender, education and experience.

	A ₁		A ₂		F
	B ₁	B ₂	B ₁	B ₂	
C ₁	28.35	28.90	29.22	28.60	4.78*
C ₂	27.85	25.50	25.50	29.95	

This table shows the mean and ‘F’ value of student’s gender, education and experience. The mean difference of undergraduate Less than 5 years experience male volleyball players is 28.35 and mean difference of undergraduate Less than 5 years experience male basketball players is 27.85, mean difference of undergraduate Less than 5 years experience male volleyball players is 29.22 and mean difference of undergraduate Less than 5 years experience male basketball players is 25.50, The mean difference of post-graduate more than 5 years experience female volleyball players is 29.22 and mean difference of post-graduate more than 5 years experience female basketball players is 25.50, mean difference of post-graduate more than 5 years experience female volleyball players is 28.60 and mean difference of post-graduate more than 5 years experience female basketball players is 29.95. The ‘F’ value is 4.78, which is significant at 0.01 levels. Therefore, there is a significant mean difference between the Achievement Motivation work interest of players in relation to gender, education and experience and the Hypotheses is accepted. “There is significant mean difference between the Achievement Motivation work interests of players in relation to Gender, Education and Experience.”



Graph showing the Mean value of Achievement Motivation work interest of students in relation to gender, education and experience.

❖ **RESULT DISCUSSION OF PERSONALITY:**

Table:- 4.9 Showing the results of ANOVA for dependent variable Personality .

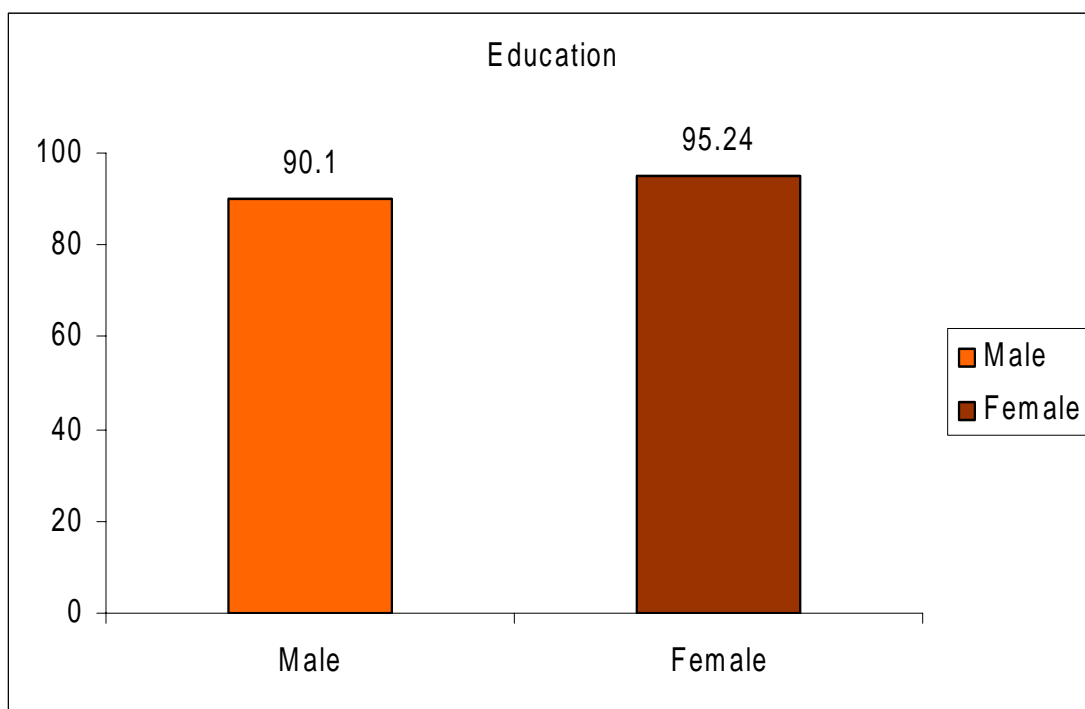
Source	Type III Sum of Squares	df	Mean Square	F	Sig.
A	1586.204	1	1586.204	26.782	.01**
B	1978.004	1	1978.004	33.397	.01**
C	338.438	1	338.438	5.714	.05*
A × B	301.504	1	301.504	5.091	.05*
A × C	39.204	1	39.204	.662	NS
B × C	45.937	1	45.937	.776	NS
A × B × C	61.004	1	61.004	1.030	NS
Error	13740.700	232	59.227		
Total	2079183.000	240			
Corrected Total	18090.996	239			

* Significant at . 01 Level & **Significant at . 05 Level

Table No 4.10: Table showing the Mean and ‘F’ value of Personality work interest of players in relation to Education.

A	N	M	F
A ₁	120	90.10	26.782**
A ₂	120	95.24	

This table shows the mean and ‘F’ value of undergraduate and post-graduate. The mean of male are 90.10 and the mean of female are 95.24. The ‘F’ value is 26.782, which is significant at 0.05 levels. Therefore, there is a significant mean difference between the Personality of players in relation to education and the hypotheses are accepted. “There is significant mean difference between the personality work interests of students in relation to their education”

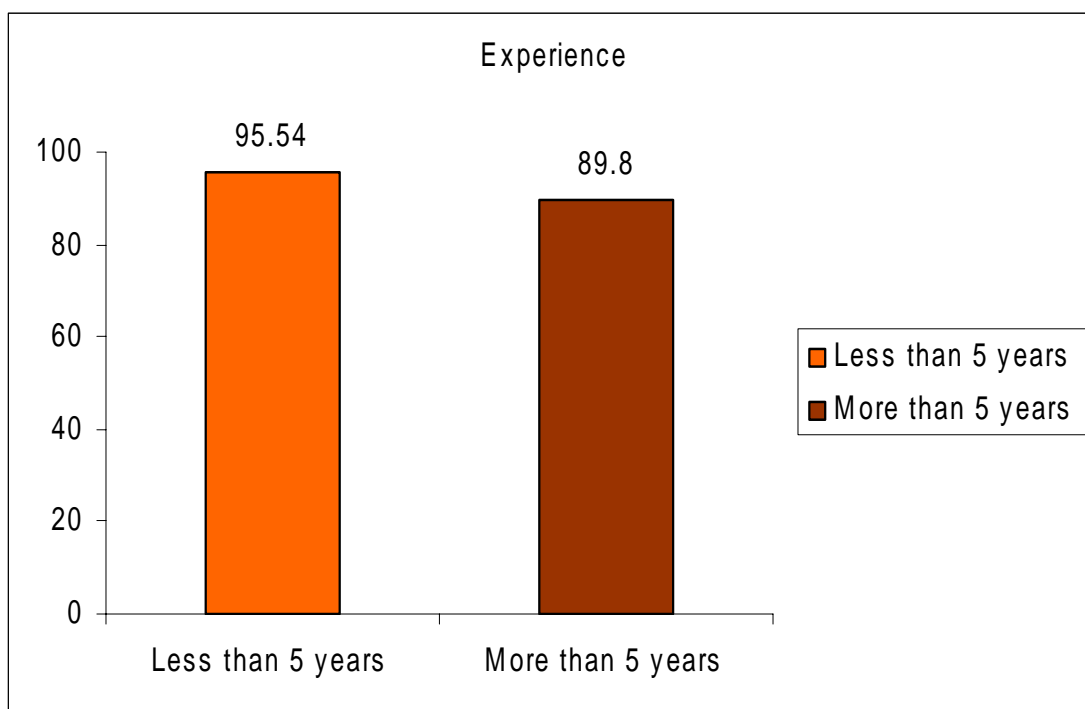


Graph showing Mean value of Personality work interest of players in relation to Education.

Table No 4.11: Table showing the Mean and ‘F’ value of Personality work interest of players in relation to Experience

B	N	M	F
B ₁	120	95.54	33.397**
B ₂	120	89.80	

This table shows the mean and ‘F’ value of Less than 5 years experience and More than 5 years experience. The mean of male are 95.24 and the mean of female are 89.80. The ‘F’ value is 33.397, which is significant at 0.05 levels. Therefore, there is a significant mean difference between the Personality of players in relation to experience and the hypotheses are accepted. “There is significant mean difference between the personality work interests of students in relation to their experience.”

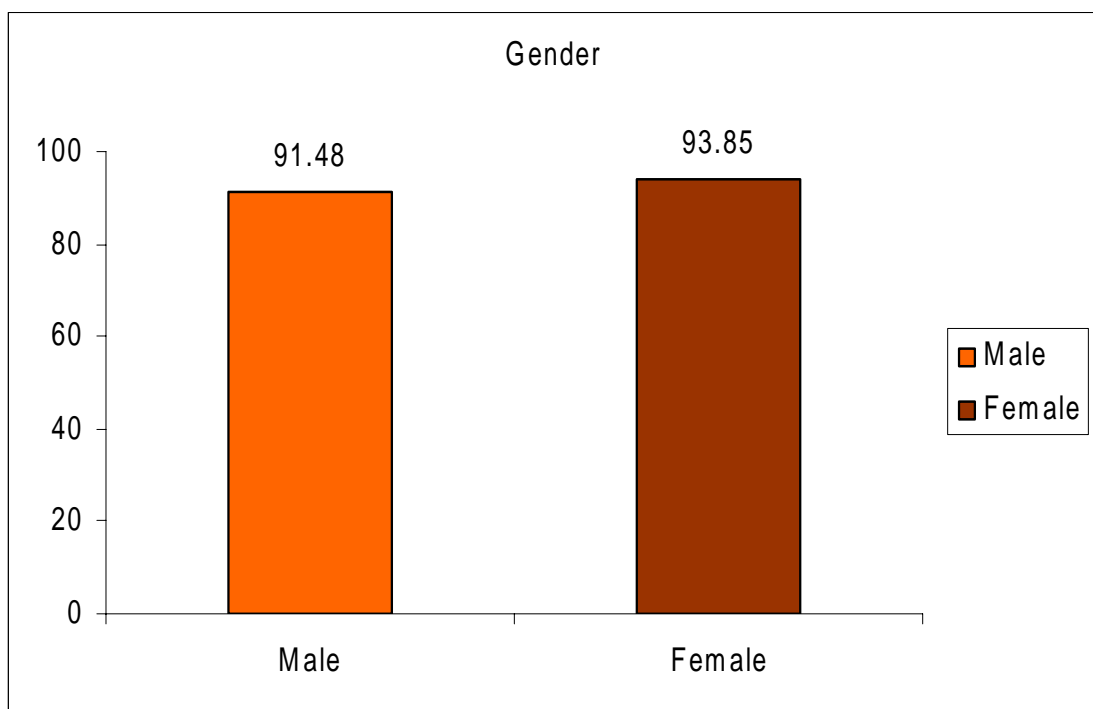


Graph showing the Mean value of Personality work interest of players in relation to Experience.

Table No 4.12: Table showing the Mean and ‘F’ value of Personality work interest of students in relation to gender.

C	N	M	F
C ₁	120	91.48	5.714*
C ₂	120	93.85	

This table shows the mean and ‘F’ value of male and female. The mean of male are 91.48 and the mean of female are 93.85. The ‘F’ value is 5.714, which is significant at 0.01 levels. Therefore, there is a significant mean difference between the Personality of players in relation to gender and the hypotheses are accepted. “There is significant mean difference between the personality work interests of students in relation to their gender”

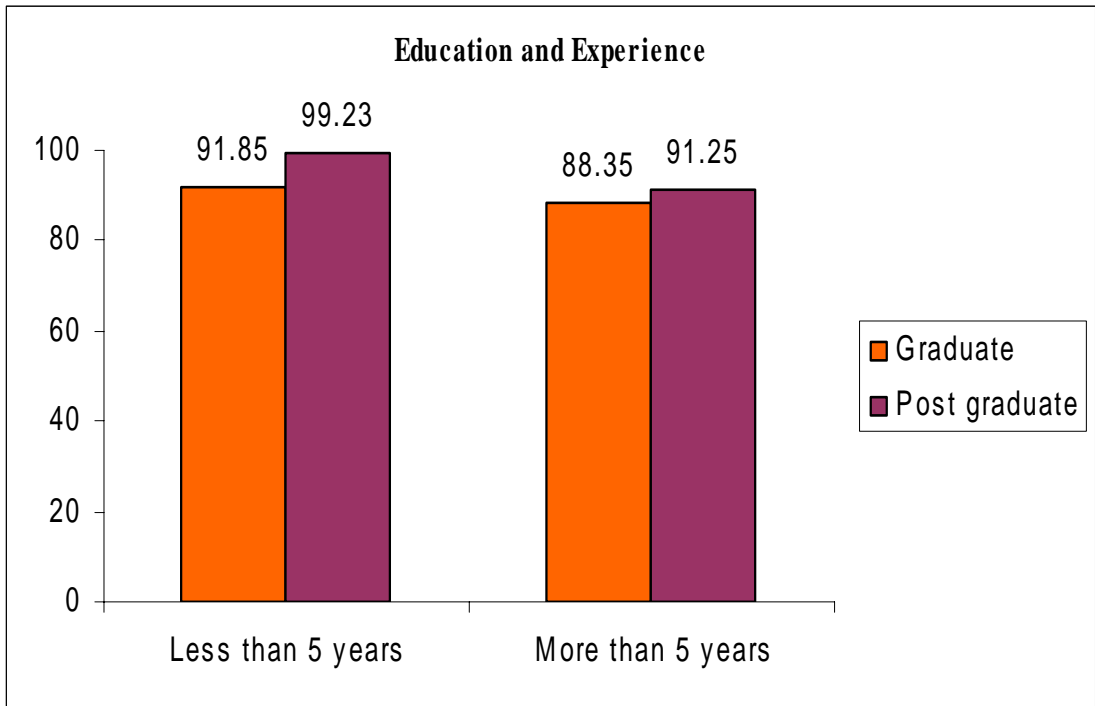


Graph showing the Mean value of Personality work interest of students in relation to gender.

Table No 4.13: Table showing the Mean and ‘F’ value of Personality work interest of students in relation to education and experience.

A	B		F
	B ₁	B ₂	
A ₁	91.85	88.35	5.091*
A ₂	99.23	91.25	

This table shows the mean and ‘F’ value of student’s under graduate and post-graduate. The mean difference of Less than 5 years experience volleyball players is 91.85 and mean difference of Less than 5 years experience basketball players is 99.23, The mean difference of more than 5 years experience volleyball players is 88.35 and mean difference of more than 5 years experience basketball players is 91.25. The ‘F’ value is 5.091, which is significant at 0.01 level. Therefore, there is significant mean difference between the Personality work interest of players in relation to education and experience and the Hypotheses is accepted. “There is significant mean difference between the Personality work interests of players in relation to education and experience.

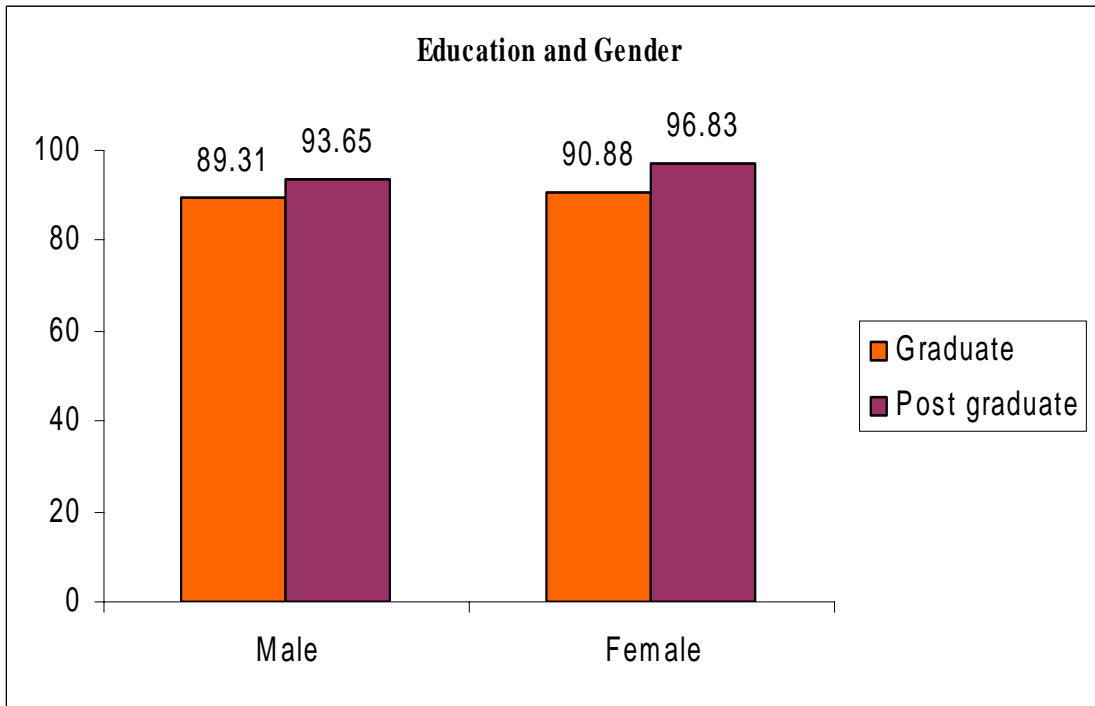


Graph showing the Mean value of Personality work interest of students in relation to education and experience.

Table No 4.14: Table showing the Mean and ‘F’ value of Personality work interest of students in relation to education and gender.

A	C		F
	C ₁	C ₂	
A ₁	89.31	90.88	0.662
A ₂	93.65	96.83	

This table shows the mean and ‘F’ value of student’s under graduate and post-graduate. The mean difference of male volleyball players is 89.31 and mean difference of male basketball players is 93.65, The mean difference of female volleyball players is 90.88 and mean difference of female basketball players is 96.83. The ‘F’ value is 0.662, which is significant at 0.01 level. Therefore, there is not significant mean difference between the Personality work interest of players in relation to education and experience and the Hypotheses is rejected. “There is significant mean difference between the Personality work interests of players in relation to education and experience.

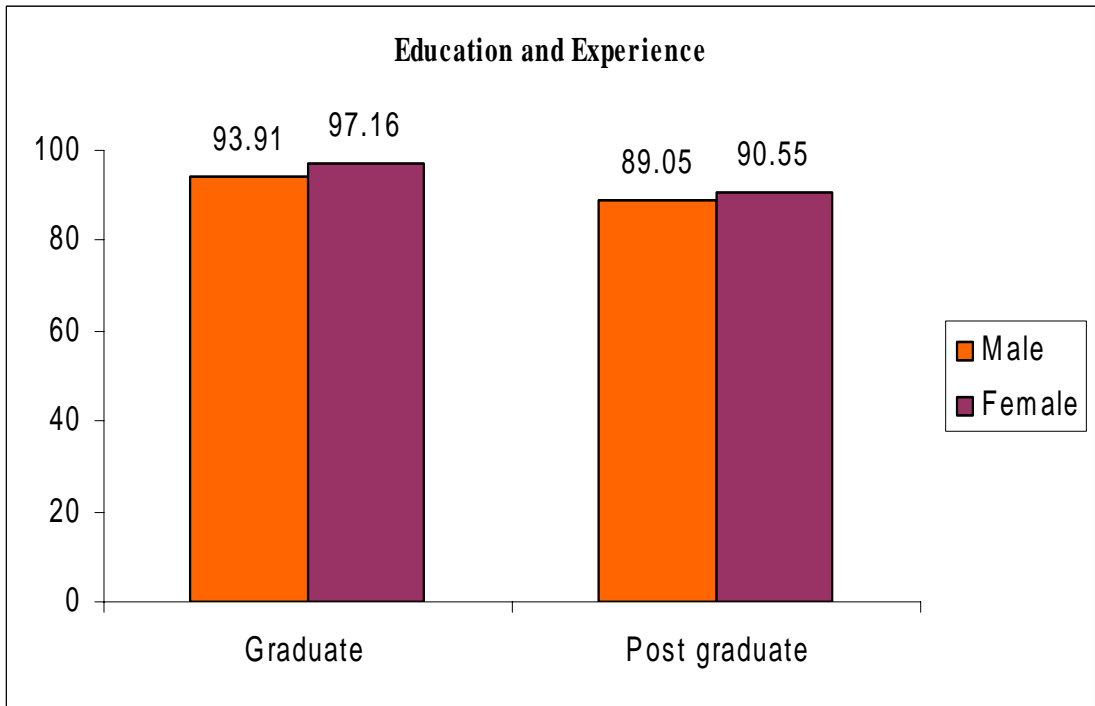


Graph showing the Mean value of Personality work interest of students in relation to education and gender.

Table No 4.15: Table showing the Mean and ‘F’ value of Personality work interest of students in relation to experience and gender.

B	C		F
	C ₁	C ₂	
B ₁	93.91	89.05	0.776
B ₂	97.16	90.55	

This table shows the mean and ‘F’ value of student’s male and female. The mean difference of Less than 5 years experience male volleyball players is 93.91 and mean difference of Less than 5 years experience male basketball players is 97.16, The mean difference of more than 5 years experience female volleyball players is 89.05 and mean difference of more than 5 years experience female basketball players is 90.55. The ‘F’ value is 0.776, which is significant at 0.01 level. Therefore, there is not significant mean difference between the Personality work interest of players in relation to education and experience and the Hypotheses is rejected. “There is significant mean difference between the Personality work interests of players in relation to education and experience.

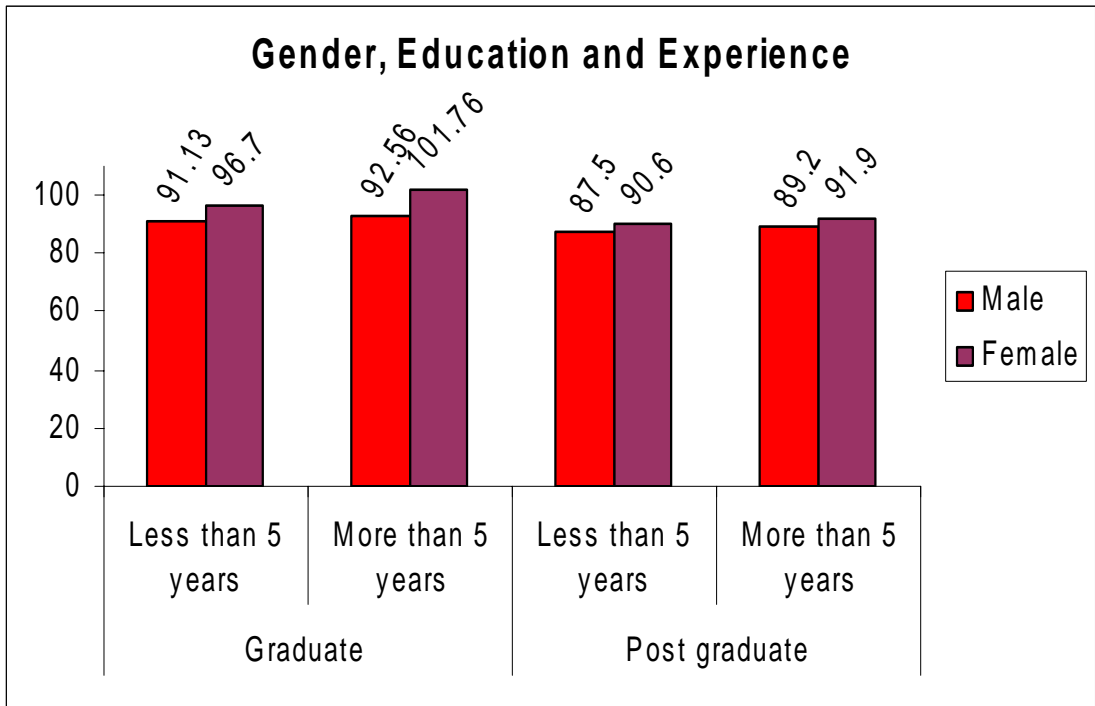


Graph showing the Mean value of Personality work interest of students in relation to experience and gender.

Table No 4.16: Table showing the Mean and ‘F’ value of Personality work interest of students in relation to gender, education and experience.

	A ₁		A ₂		F
	B ₁	B ₂	B ₁	B ₂	
C ₁	91.13	92.56	87.50	89.20	1.03
C ₂	96.70	101.76	90.60	91.90	

This table shows the mean and ‘F’ value of student’s gender, education and experience. The mean difference of undergraduate Less than 5 years experience male volleyball players is 91.13 and mean difference of undergraduate Less than 5 years experience male basketball players is 96.70, mean difference of undergraduate Less than 5 years experience male volleyball players is 92.56 and mean difference of undergraduate Less than 5 years experience male basketball players is 101.76, The mean difference of post-graduate more than 5 years experience female volleyball players is 87.50 and mean difference of post-graduate more than 5 years experience female basketball players is 90.60, mean difference of post-graduate more than 5 years experience female volleyball players is 89.20 and mean difference of post-graduate more than 5 years experience female basketball players is 91.90. The ‘F’ value is 1.03, which is significant at 0.01 levels. Therefore, there is a not significant mean difference between the Personality work interest of players in relation to gender, education and experience and the Hypotheses is rejected. “There is significant mean difference between the Personality work interests of players in relation to gender, education and experience.”



Graph showing the Mean value of Personality work interest of students in relation to gender, education and experience.

❖ **RESULT DISCUSSION OF EMOTIONAL MATURITY:**

Table No. 4.17: Table show the F value of students in relation to Emotional Maturity.

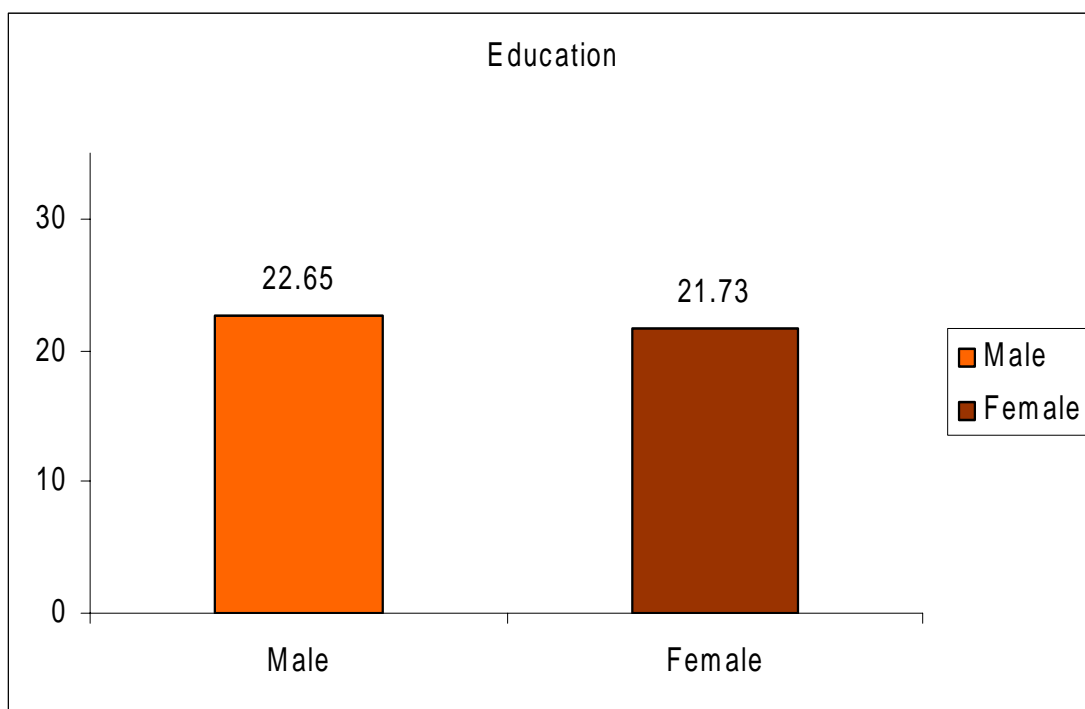
Source	Type III Sum of Squares	df	Mean Square	F
A	46.817	1	46.817	1.044
B	86.400	1	86.400	1.926
C	123.267	1	123.267	2.748
A × B	46.817	1	46.817	1.044
A × C	3.750	1	3.750	0.084
B × C	173.400	1	173.400	4.020
A × B × C	1.350	1	1.350	0.030
Total	128814.000	240		

* Significant at . 01 Level & **Significant at . 05 Level

Table No 4.18: Table showing the Mean and ‘F’ value of Emotional Maturity work interest of players in relation to Education.

A	N	M	F
A ₁	120	22.65	1.044
A ₂	120	21.73	

This table shows the mean and ‘F’ value of undergraduate and post-graduate. The mean of male are 22.65 and the mean of female are 21.73. The ‘F’ value is 1.044, which is significant at 0.01 levels. Therefore, there is a not significant mean difference between the Emotional Maturity of players in relation to education and the hypotheses are rejected. “There is significant mean difference between the Emotional Maturity work interests of students in relation to their education”

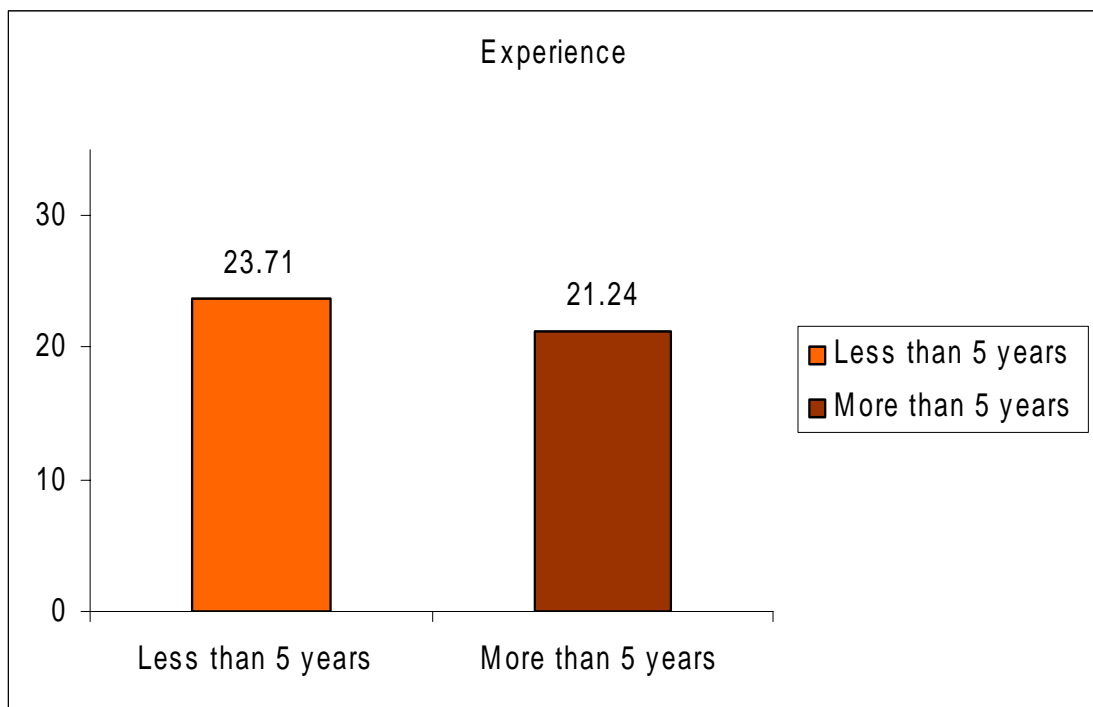


Graph showing Mean value of Emotional Maturity work interest of players in relation to Education.

Table No 4.19: Table showing the Mean and ‘F’ value of Emotional Maturity work interest of players in relation to Experience

B	N	M	F
B ₁	120	23.71	1.926
B ₂	120	21.24	

This table shows the mean and ‘F’ value of Less than 5 years experience and More than 5 years experience. The mean of male are 23.71 and the mean of female are 21.24. The ‘F’ value is 1.926, which is significant at 0.01 levels. Therefore, there is a not significant mean difference between the Emotional Maturity of players in relation to experience and the hypotheses are rejected. “There is significant mean difference between the Emotional Maturity work interests of students in relation to their experience”

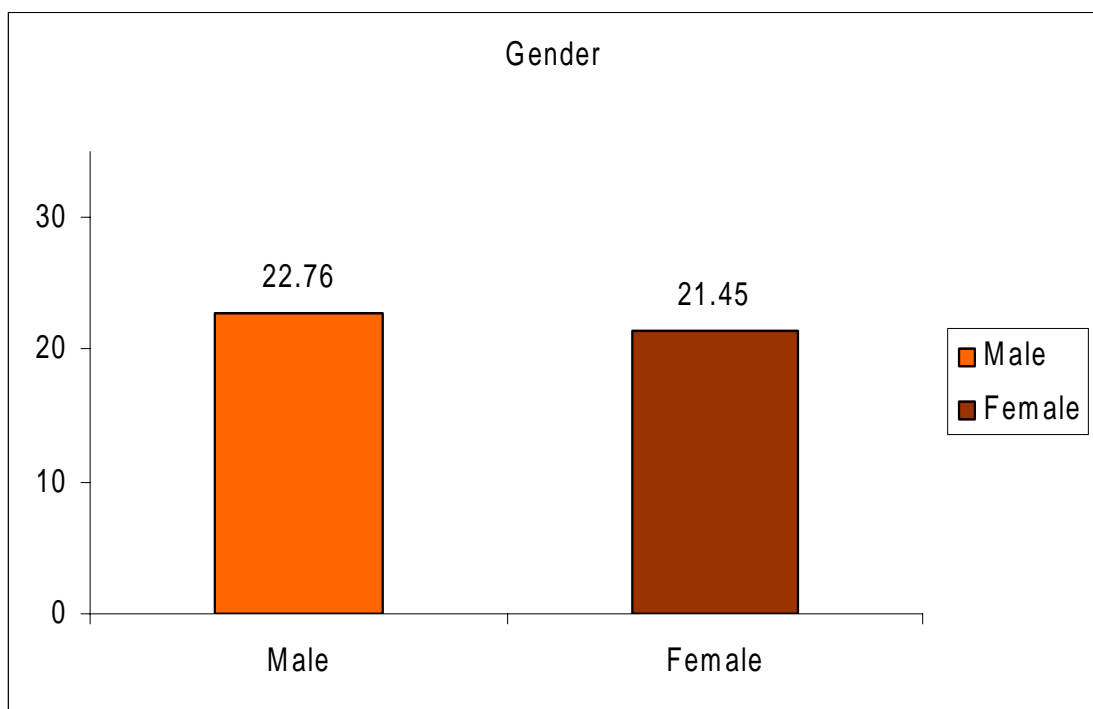


Graph showing the Mean value of Emotional Maturity work interest of players in relation to Experience.

Table No 4.20: Table showing the Mean and ‘F’ value of Emotional Maturity work interest of students in relation to gender.

C	N	M	F
C ₁	120	22.76	2.748
C ₂	120	21.45	

This table shows the mean and ‘F’ value of male and female. The mean of male are 22.76 and the mean of female are 21.45. The ‘F’ value is 2.748, which is significant at 0.01 levels. Therefore, there is a not significant mean difference between the Emotional Maturity of players in relation to gender and the hypotheses are rejected. “There is significant mean difference between the Emotional Maturity work interests of students in relation to their gender”

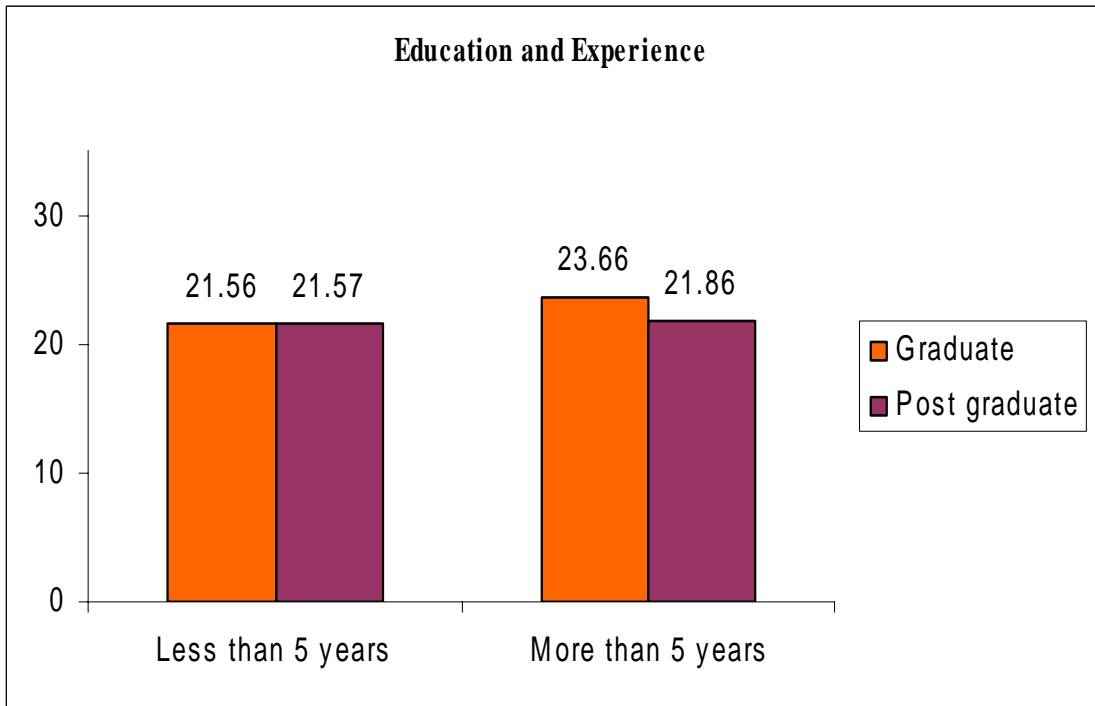


Graph showing the Mean value of Emotional Maturity work interest of students in relation to gender.

Table No 4.21: Table showing the Mean and ‘F’ value of Emotional Maturity work interest of students in relation to education and experience.

A	B		F
	B ₁	B ₂	
A ₁	21.56	23.66	1.044
A ₂	21.57	21.86	

This table shows the mean and ‘F’ value of student’s under graduate and post-graduate. The mean difference of Less than 5 years experience volleyball players is 21.56 and mean difference of Less than 5 years experience basketball players is 21.57, The mean difference of more than 5 years experience volleyball players is 23.66 and mean difference of more than 5 years experience basketball players is 21.86. The ‘F’ value is 1.044, which is significant at 0.01 level. Therefore, there is not significant mean difference between the Emotional Maturity work interest of players in relation to education and experience and the Hypotheses is rejected. “There is significant mean difference between the Emotional Maturity work interests of players in relation to education and experience.

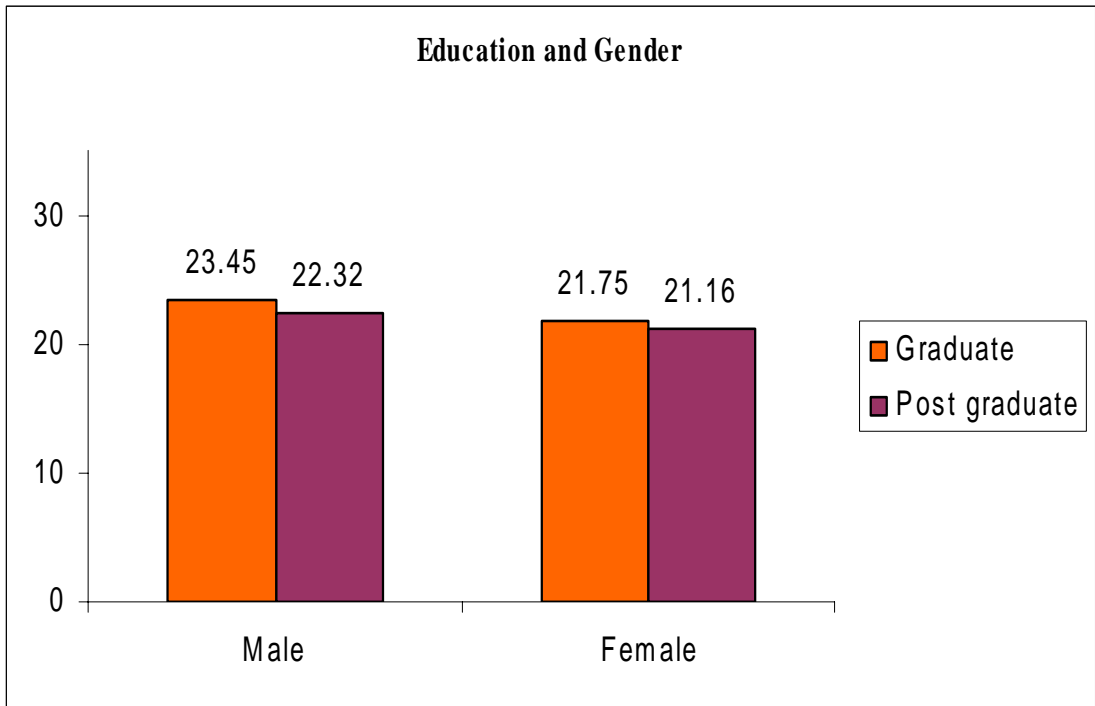


Graph showing the Mean value of Emotional Maturity work interest of students in relation to education and experience.

Table No 4.22: Table showing the Mean and ‘F’ value of Emotional Maturity work interest of students in relation to education and gender.

A	C		F
	C ₁	C ₂	
A ₁	23.45	21.75	0.084
A ₂	22.32	21.16	

This table shows the mean and ‘F’ value of student’s under graduate and post-graduate. The mean difference of male volleyball players is 23.45 and mean difference of male basketball players is 22.32, The mean difference of female volleyball players is 21.75 and mean difference of female basketball players is 21.16. The ‘F’ value is 0.084, which is significant at 0.01 level. Therefore, there is not significant mean difference between the Emotional Maturity work interest of players in relation to education and experience and the Hypotheses is rejected. “There is significant mean difference between the Emotional Maturity work interests of players in relation to education and experience.

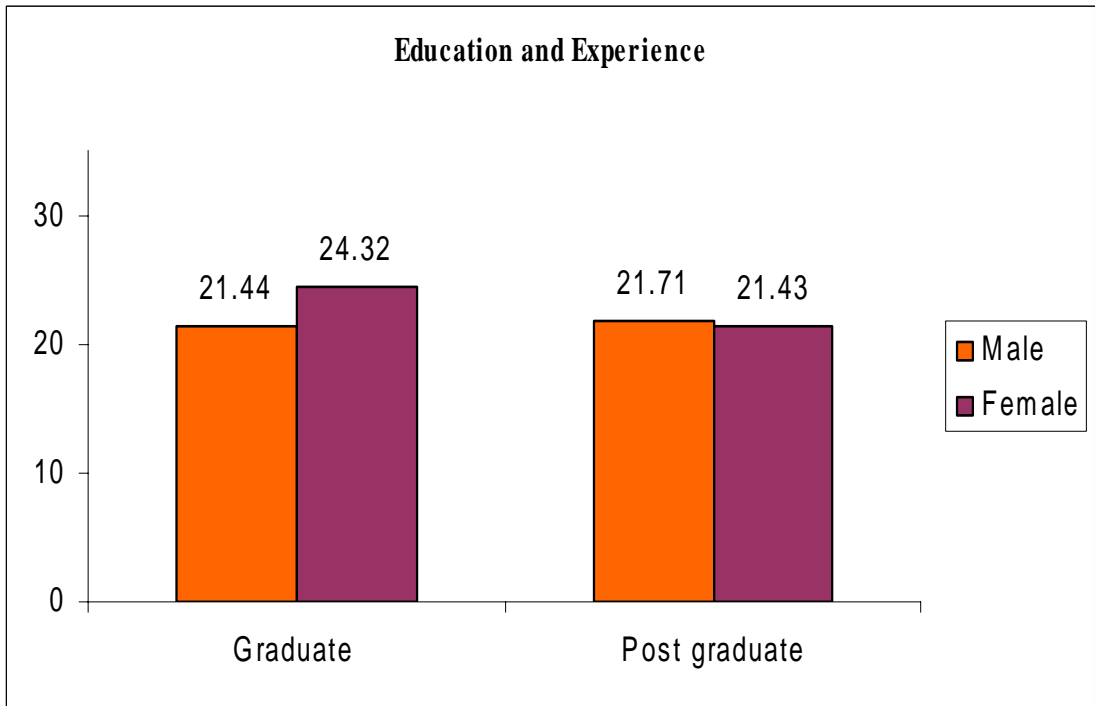


Graph showing the Mean value of Emotional Maturity work interest of students in relation to education and gender.

Table No 4.23: Table showing the Mean and ‘F’ value of Emotional Maturity work interest of students in relation to experience and gender.

B	C		F
	C ₁	C ₂	
B ₁	21.44	21.71	4.020*
B ₂	24.32	21.43	

This table shows the mean and ‘F’ value of student’s male and female. The mean difference of Less than 5 years experience male volleyball players is 21.44 and mean difference of Less than 5 years experience male basketball players is 24.32, The mean difference of more than 5 years experience female volleyball players is 21.71 and mean difference of more than 5 years experience female basketball players is 21.43. The ‘F’ value is 4.020, which is significant at 0.01 level. Therefore, there is a significant mean difference between the Emotional Maturity work interest of players in relation to education and experience and the Hypotheses is accepted. “There is significant mean difference between the Emotional Maturity work interests of players in relation to education and experience.

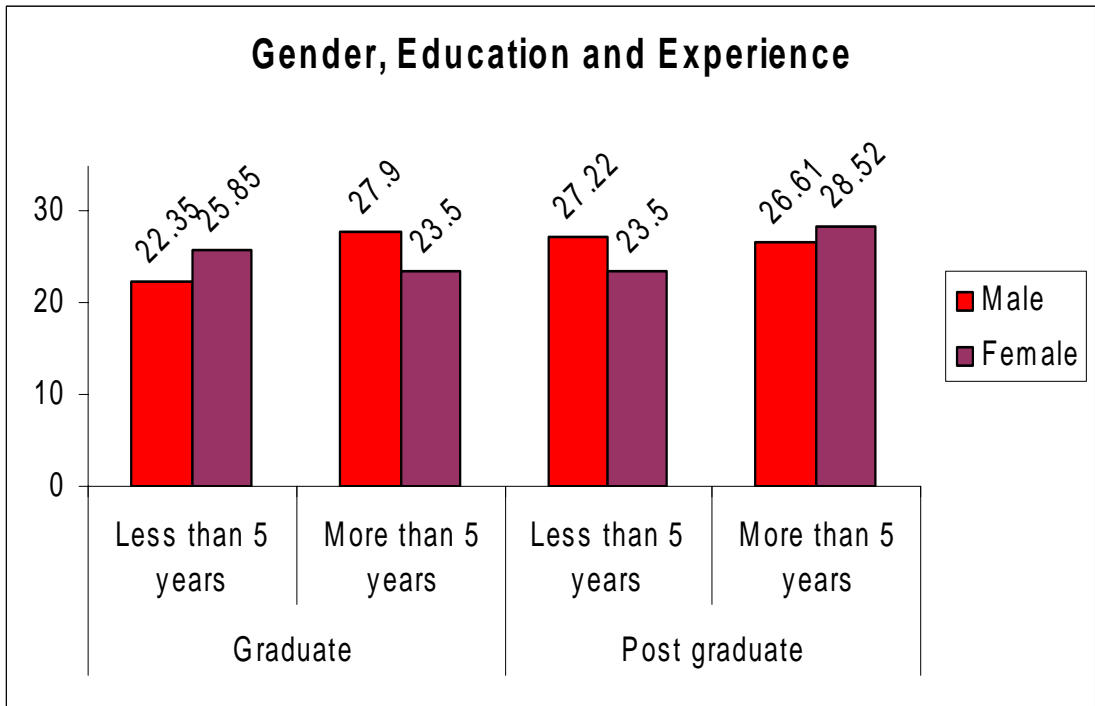


Graph showing the Mean value of Emotional Maturity work interest of students in relation to experience and gender.

Table No 4.24: Table showing the Mean and ‘F’ value of Emotional Maturity work interest of students in relation to gender, education and experience.

	A ₁		A ₂		F
	B ₁	B ₂	B ₁	B ₂	
C ₁	22.35	27.90	27.22	26.61	0.030
C ₂	25.85	23.50	23.50	28.52	

This table shows the mean and ‘F’ value of student’s gender, education and experience. The mean difference of undergraduate Less than 5 years experience male volleyball players is 22.35 and mean difference of undergraduate Less than 5 years experience male basketball players is 25.85, mean difference of undergraduate Less than 5 years experience male volleyball players is 27.90 and mean difference of undergraduate Less than 5 years experience male basketball players is 23.50, The mean difference of post-graduate more than 5 years experience female volleyball players is 27.22 and mean difference of post-graduate more than 5 years experience female basketball players is 23.50, mean difference of post-graduate more than 5 years experience female volleyball players is 26.61 and mean difference of post-graduate more than 5 years experience female basketball players is 28.52. The ‘F’ value is 0.030, which is significant at 0.01 levels. Therefore, there is not a significant mean difference between the Emotional Maturity work interest of players in relation to gender, education and experience and the Hypotheses is rejected. “There is significant mean difference between the Emotional Maturity work interests of players in relation to gender, education and experience.”



Graph showing the Mean value of Emotional Maturity work interest of students in relation to gender, education and experience.