Original Research Article

Factors Affecting the Academic Performance of the Students of Bowen University, Nigeria

ABSTRACT

Aim: The aim of this study was to assess how some internal and external classroom factors influence students' academic performance in Bowen University.

Research Objectives: In order to achieve the aim above, the major objectives of the study were to examine if there is a difference in the academic performance of male and female students; to examine the extent to which study habit affects students' academic performance; to investigate the academic performance of students across faculties; to determine the impact of extracurricular activities on the academic performance of students; to examine if there is a difference in the academic performance of students involved in boyfriend/girlfriend relationship and those who are not; to examine the effect of social media on academic performance and to determine if there is a difference in the academic performance of students who attended public and private secondary schools.

Study design: This study was a primary research which employed a questionnaire survey design capable of gathering large amount of quantitative and qualitative data.

Place and Duration of Study: Bowen University, Iwo, between March 2017 and May 2017.

Methodology: A self-designed survey questionnaire was administered to a sample of 380 students (144

males, 236 females) drawn from a population of 3,819 students using multi-stage sampling technique.

Data collected during the survey were processed and analyzed using various statistical techniques including frequencies, percentages, independent samples t-test, analysis of variance test and Chi-Square test for independence.

Results: the results from the independent samples t-test revealed a significant difference between the academic performance of male and female students, students who are active and students who are not active in their departmental association (P<.05); analysis of variance test revealed that there was a significant difference between the academic performance of students based on library usage, their faculties, social media presence and participation in extracurricular activities (P<.05); the Chi-Square test of independence revealed a significant relationship between students' academic performance and social media usage, study habit, boyfriend/girlfriend relationship status and participation in extracurricular activities (P<.05).

Conclusion: The need for students to perform well academically cannot be overemphasized. As such, it is therefore pertinent to understand the internal and external factors that affect the academic performance of students. This research contributes to literature by providing valuable information to reach a better understanding of how different factors influence students' academic performance by subjecting the available data to more rigorous statistical analyses than some of those used in other studies. As such, the findings of this study will help to improve the content, format, quality and teaching-

learning process in the Nigerian tertiary education system.

To harness the findings of this research, measures should be put in place to ensure that students are equipped with the right information and exposed to the right balance to enable them function optimally and thus perform well academically so that they can effectively compete in a saturated labour market.

Keywords: [] (Academic performance, Internal classroom factors, External classroom factors, Bowen University, Graduates)

1. INTRODUCTION

Background

It has been long established that education whether formal or informal plays an important role in the life of individuals. Thus, for formal education, institutions of learning including universities are set up to impact and share knowledge that will better the lives of students and position them for opportunities in research and industry.

According to Fadokun [1] schools are established with the aim of impacting knowledge and worldwide institutions have come to be recognized as centers of knowledge accumulation and knowledge transfer with students being the most essential asset for any educational institute. This implies that Students are the most important cog in the machine of the university. It is therefore safe to say that they are the main component of the university structure. As such, universities attempt to empower students through a rigorous and thoroughly outlined curriculum by emphasizing and rewarding good academic performance.

Alos et al. [2] state that the performance of students is considered an important player in the production of best quality graduates who will become great leaders and provide adequate manpower to enhance the country's economic and social development and that academic achievement is one of the major criteria considered by employers in hiring workers, especially fresh graduates. Thus, students have to put the greatest effort in their study to obtain good grades and to prepare themselves for future opportunities in their chosen career as well as fulfill the employer's demand(s).

Academic performance according to the Cambridge University Reporter is frequently defined in terms of examination performance. In this research, the academic performance is characterized by the average of overall grades obtained across the semesters the student spends in the university which culminate in a Cumulative Grade Point Average (CGPA). The CGPA score would take into account students' performance in tests and examinations over the years they have been in school. This CGPA score implies that the higher the score, the better the student has performed academically. As such the CGPA will be a good measure of a students' academic performance. The use of CGPA follows the studies conducted by Darling et al. [3] and Galiher [4] where they used CGPA to measure students' academic performance.

It is well established that Education in Nigeria is growing as a profitable industry with prime objective of maximizing profit by delivering high quality education that produces well-educated, skilled, mannered students according to needs and requirements of the dynamically growing market. According to Akomolafe and Olorunfemi-Olabisi [5] stakeholders in the Nigerian educational system including parents, guardians, lecturers, family members, counselors, employers and many others, have great concern about the academic standard available and the performance of students. Olatunji et al. [6] opined that the reason for such concern can probably be linked to educational success being highly instrumental to the development of a nation.

It is therefore pertinent to consider factors that affect the performance of students either positively or negatively but measuring of academic performance of students is challenging since student performance is a product of socio-economic, psychological and environmental factors. Thus, this study set out to investigate the impact of gender, study habits, difference in faculties, involvement in

extracurricular activities, involvement in boyfriend/girlfriend relationship, use of social media and type of secondary school attended on the academic performance of students in Bowen University.

Problem Statement

Academic achievement is one of the major criteria considered by employers in hiring workers, especially fresh graduates [2]. Employers today have become increasingly concerned about the quality of university graduates being produced by Nigerian universities due to the fact that a number of universities are experiencing high rate of student failure and poor academic performance.

The issue of poor academic performance of students in Nigeria has therefore become a source of concern to most parties involved in the delivery of quality education within the country. This unhealthy situation has led to the widely acclaimed fallen standard of education in Nigeria (Akiri and Ugborugbo [7]; Bamidele and Bamidele [8]).

It is thus imperative to examine the factors that affect the performance of students in order to understand the impact of such factors and identify areas that need immediate and necessary action(s) in a bid to producing graduates capable of holding their own in their chosen career path as well as meeting the increasing demands of the employers.

Literature Survey

Many researchers have discussed and examined different factors that affect the academic performance of students. They generally agree that there are two types of factors that affect the students' academic performance which are internal and external classroom factors. Internal classroom factors include students competence in class, schedules, class size, environment of the class, complexity of the course material, teachers role in the class, examinations systems etc. External classroom factors include extracurricular activities, social factor among other problems. Many researchers have identified demographic, socio-economic, family and school factors as variables affecting students' academic performance. However, in this study the factors considered are gender, study habits, difference in faculties, involvement in extracurricular activities, and involvement in boyfriend/girlfriend relationship, social media usage and type of secondary school attended.

Impact of Gender on Academic Performance

Studies by Borde [9] and Meece and Jones [10] revealed that gender did not play a role in academic performance. Hedges and Newell [11] found that male students outperformed female students in science, but in reading and writing female students did much better. However, educational statistics have indicated that female students are outperforming their male counterparts at all levels of the education system and attaining higher qualifications. Woodfield and Earl-Novell [12] after analyzing more than a million graduating students, observed that female students did better than male students. They attributed this partly to female students being more academically responsible and thus less likely to be absent from lectures.

Impact of Study Habits on Academic Performance

In studies on the impact of study habits on academic performance, Akpan and Emeya [13], Ebele and Olofu [14] found a significant relationship between study habit and academic achievement or performance.

Impact of Extracurricular Activities on Academic Performance

Silliker and Quirk [15], Gerber [16], Marsh and Kleitman [17], Guest and Schneider [18] all found that participation in extracurricular activities enhances students' academic performance.

Impact of Social Media Usage on Academic Performance

In studies relating to social media usage, Owusu-Acheaw and Larson [19] found a direct relationship between the use of social media and academic performance. Hasnain, et al. [20] found that social media has an inverse relationship with academic performance. Tamayo and dela Cruz [21] also found a relationship between social media usage and academic performance. Celestine and Nonyelum [22] on the other hand found that the excessive time spent on social media can negatively affect student academic performance.

Having reviewed existing literature, this research work considered the following student-related and teacher-related factors affecting students' academic performance; factors considered are gender, study habits, difference in faculties, involvement in extracurricular activities, and involvement in boyfriend/girlfriend relationship, social media usage and type of secondary school attended.

Scope of the Study

The scope of the study is limited to Bowen University, Iwo, Nigeria.

Table 1: Research Instruments and Variables

Description	Measure Variables	Instruments
Personal Information	Gender, Age, Level of Study, Faculty,	Demographic Variable
Academic Performance	Cumulative Grade Point Average (CGPA)	Cumulative Grade Point Average of 5 points
Internal Classroom Factors	Attitude to lectures, study and tests and perception of lectures and lecturers	Attitude to and Perception of Internal Classroom Factors Questionnaire (5-Point Likert Scale)
External Classroom Factors	Disposition to extracurricular involvement and time management	Disposition to External Classroom Factors Questionnaire

Justification of the Study

This research work contributes to literature by simultaneously considering a number of factors which are responsible for students' behaviour towards study along with identifying those factors which help a student make progress in his or her studies. The use of statistical tools to analyze the factors affecting students' performance is especially important as it will help to provide valuable information to reach a better understanding on how these different factors affect students' performance as well as add more statistical data to prior study which can be used to improve the content, quality, format and teaching – learning process in order to aid student performance.

2. MATERIAL AND METHODS

2.1 Conceptual framework

The following conceptual framework shows the selected factors that interplay to influence academic performance of students (Figure 1).

The conceptual framework assumed that various internal and external classroom factors can affect the academic performance of students of Bowen University within the available resource. Poor study habits, excessive social media usage, and over investment in boyfriend/girlfriend relationship may result in poor academic performance. Conversely, good study habits, balanced social media usage, and well

managed boyfriend/girlfriend relationship may result in good academic performance. However, poor academic performance can be avoided if students have a positive attitude towards studies and there is availability of the needed resources. In the same vein, lecturers' factors like adequate qualification, research background and years of teaching experience which that may positively affect the academic performance of students may be counterproductive if the lecturers have negative attitudes. Therefore, all the independent variables can or may affect the academic performance of students positively or negatively based on their form and the effect of the intervening variables upon them.

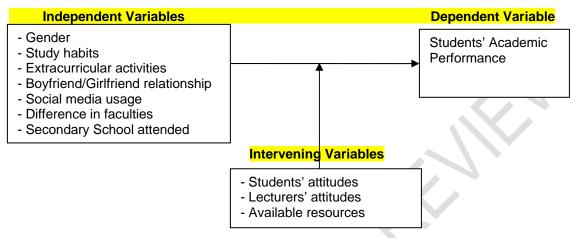


Figure 1: Factors Affecting the Academic Performance of Students

2.2 Study Design

This study is a primary research using a questionnaire survey design capable of gathering large amount of quantitative and qualitative data.

2.2.1 Study Population

The study population comprised of all registered students of Bowen University, Iwo. The University has a total student population of about 5,000 students. However as at the time of this study, there were 3,819 registered students on which the survey was conducted. This comprises 252 students in the Faculty of Agriculture, 453 students in the Faculty of Humanities, 605 students in College of Health Sciences, 283 students in the Faculty of Law, 948 students in the Faculty of Science and Science Education and 1,278 students in the Faculty of Social and Management Sciences. The University is a diverse community comprising students from various ethnic backgrounds and age groups.

2.2.2 Sampling

The sample frame for the study was composed of all registered Bowen University students for the first semester of the 2016/2017 academic session, totaling 3,819. The researchers obtained a breakdown of registered students by faculty from the University's Directorate of Information and Communication Technology. The researchers employed multi-stage sampling technique. The first stage involved dividing the students into six clusters by faculties since the faculties occur naturally. The second stage involved estimating the minimum number of respondents required to have a fair representation for each cluster or student sub-group using proportional allocation. Finally, the selection of respondents was conducted via simple random sampling for each student cluster.

2.2.3 Sample Size

The minimum number of respondents required to produce a statistically significant result was calculated according to the formula by Dillman [23]. The researcher then worked out the actual sample size from the data collected.

$$n = \frac{(N_p)(p)(1-p)}{(N_p-1)(B/C)^2 + (p)(1-p)} \tag{1}$$

Where:

n = required sample size

 N_p = population size

p =expected proportion

B = acceptable level of sampling error

C = Z statistic associated with confidence interval

In this study, the following were used:

p = 0.5

B = 5% (0.05)

C (Z statistic associated with 95% confidence interval) = 1.96

 N_p =3819 Students (Faculty of Agriculture = 252, Faculty of Humanities = 453, College of Health Sciences = 605, Faculty of Law = 283, Faculty of Science and Science Education = 948, Faculty of Social and Management Sciences = 1278)

Therefore, substituting into the equation (1) above, we have:

$$n = \frac{(3819)(0.5)(1 - 0.5)}{(3819 - 1)(0.05/_{1.96})^2 + (0.5)(1 - 0.5)}$$

n = 349.12

 $n \approx 349$ respondents

A minimum of 349 respondents were required to achieve 95% confidence level with 5% sampling error. To achieve a fair representation of students, simple random sampling was used to calculate the minimum sample size for each faculty. This was performed by dividing the students into 6 clusters by faculties- Agriculture, Humanities, College of Health Sciences (CHS), Law, Science and Science Education (SSE) and Social and Management Sciences (SMS) and then taking a simple random sample (SRS) from each cluster giving the result below

Table 2: Breakdown of student sub-group and corresponding sample size

Faculty	Population Size	% of Population	SRS (n)		
Agriculture	252	6.60%	23		
Humanities	453	11.86%	41		

CHS	605	15.84%	55
Law	283	7.41%	26
SSE	948	24.82%	87
SMS	1278	33.46%	117
TOTAL	3819		349

2.3 Instrumentation

A carefully designed questionnaire was administered to students in the study population as required (Appendix 1). The questionnaire consisted of four parts: The first part gave a brief explanation of the purpose of the study, the importance of the students' participation and contribution to the study and also included a confidentiality statement. The second part contained questions relating to demographic information and educational background of the respondent. The third part contained twenty statements relating to the internal classroom factors. Respondents were asked to rate their response to the statements using a 5-point Likert scale (strongly agree, agree, undecided, disagree and strongly disagree). The fourth part contained questions relating to external classroom factors.

2.4 Pilot Study

A pilot study was conducted among 10 students handpicked by the researchers at Bowen University. The pilot survey provided an opportunity to note the time taken to complete the survey, test the reliability, format, accuracy and validity of the questionnaire, assess student's understanding of the questions, evaluate the effectiveness of the survey tool and identify necessary revisions. The researchers administered the questionnaire personally so as to experience firsthand any reaction from the students participating in the pilot study and to receive feedback on the questionnaire. During this study, demographic data, internal and external classroom factors were identified as independent variables while students' academic performance (measured in terms of the Cumulative Grade Point Average) was identified as the dependent variable.

2.4.1 Improvement

A number of improvements were identified as regards layout. After careful review and evaluation of the pilot study results with the necessary improvements needed, the questionnaire was determined acceptable.

2.5 Access and Recruitment

The researchers visited various faculty lecture halls and student hostels of residence and also employed the help of class representatives and departmental presidents in order to get access to and recruit the required respondents for the survey.

2.6 Data Management and Analysis

The data collected were processed, managed and analyzed using Statistical Package for the Social Sciences (SPSS) Version 20.

2.7 Statistical Techniques

The statistical techniques employed in this study are independent sample t-test, analysis of variance test and Chi-Square test for independence.

3. RESULTS

3.1 Analysis of personal characteristics of the study population

Table 3 below summarizes the personal characteristics of the study population. It shows that a greater proportion of the respondents, (62.1%) were female while males accounted for the remaining (37.9%) reflecting a fair gender representation. A greater proportion of the respondents (58.9%) were between 16 and 20 years while (31.1%) were between ages 21-25 while (3.9%) were below 16 years while (6.1%) were ages 25 and above. A greater proportion of the respondents (44.5%) were in 400-500 level, while spillovers had the smallest representation (3.7%). (9.5%) of the respondents were in 100 level, (15.5%) were in 200 level and (28.8%) were in 300 level. A greater proportion of the respondents (31.8%) were from the Faculty of Social and Management Sciences, (27.4%) were from the Faculty of Science and Science Education, (15.0%) were from the College of Health Sciences, (11.3%) were from the Faculty of Humanities, (7.6%) were from the Faculty of Agriculture while the remaining (6.8%) were from the Faculty of Law. A greater proportion of the respondents (47.9%) were on Second Class Upper, (25.5%) were on Second Class Lower, (16.6%) were on First class while the remaining (10.0%) were on a Third Class. A greater proportion of the respondents (88.7%) attended a private secondary school while the remaining (11.3%) attended public secondary school.

Table 3: Personal Information of the Respondents

Variables	bles Frequency Percentage			
Age (In Years)				
< 16	15	3.9		
16-20	224	58.9		
21-25	118	31.1		
> 25	23	6.1		
Gender				
Male	144	37.9		
female	236	62.1		
Level				
100	36	9.5		
200	59	15.5		
300	102	26.8		
400-500	169	44.5		
Spill Over	14	3.7		
Faculty				
Science	104	27.4		
Social & Mgt Science	121	31.8		
Agriculture	29	7.6		
Humanities	43	11.3		
Health Sciences	57	15.0		
Law	26	6.8		
Class of Degree				
First Class	63	16.6		
Second Class Upper	182	47.9		

Second Class Lower	97	25.5			
Third Class	38	10.0			
Secondary School Attended					
Private	337	88.7			
Public	43	11.3			

3.2 Analysis of Research Objectives

From the results of the t-test, male students were found to have an average CGPA of 3.45±0.84 while female students were found to have an average CGPA of 3.81±0.74. As such, female students were found to perform better academically on the average than male students. Results further indicate that there is a significant difference between the academic performance of male and female students. (t-test value = -4.475, df = 378, P < .05). Students who are involved in extracurricular activities especially their departmental association were found to have an average CGPA of 3.98±0.69 while students who are not active in their departmental association were found to have an average CGPA of 3.55±0.81. As such, students who are involved in extracurricular activities were found to perform better academically on the average than students who are not involved in extracurricular activities. Results further indicate that there is a significant difference between the academic performance of students who are involved in extracurricular activities and students who are not involved in extracurricular activities (t test value = 4.891, df = 378, P < .05). Students who are involved in a boyfriend/girlfriend relationship were found to have an average CGPA of 3.62±0.90 while students who are not involved in a boyfriend/girlfriend relationship were found to have an average CGPA of 3.74±0.63 however there is no significant difference between the academic performance of students who are involved in a boyfriend/girlfriend relationship and students that are involved in a boyfriend/girlfriend relationship (t-test value = -1.497, df = 378, p = .14). Students who attended public secondary schools were found to have an average CGPA of 3.52±0.96 while students attended private secondary schools were found to have an average CGPA of 3.69+0.77. Results however indicate that there is no significant difference between the academic performance of students who attended public secondary schools and students who attended private secondary schools (t-test value = -1.376, df = 378, P = .17).

The result from the analysis of variance (ANOVA) indicates that the use of the library significantly affects the academic performance of students (P < .05). The multiple comparison show that there is a significant difference between the CGPA of students who visit the library daily and students who rarely visit the library, and those who never visit the library (P < .05). The same was also found between students who visit the library occasionally and students who rarely visit the library, and those who never visit the library.

The ANOVA result also indicates that daily study hours significantly affect the academic performance of students (P < .05). The multiple comparisons show that there is a significant difference between the CGPA of students who study for between 0 and 5 hours and for those who study for between 6 and 10 hours. Also, students who study for at least 6 hours daily tend to do better than those who study for less than 6 hours daily. Though not statistically significant, the mean difference of those who study for 0 to 5 hours daily and those who study for 11 to 15 hours, 16 to 20 hours and 21 hours and above shows that those who study for at least 6 hours daily perform better academically than students who study for less than 6 hours daily.

The result further indicate that the number of hours spent weekly on sports do not impact on the academic performance of students.

The result also indicates that there is a significant difference between the academic performance of students who are involved in extracurricular activities through involvement in groups and students who do not belong to any group.

The result also indicates that hours spent on social media significantly affects the academic performance of students (P < .05). The multiple comparison show that there is a significant difference between the CGPA of students who spend between 0 and 5 hours on social media daily and those who

spend between 11 and 15 hours and those who spend 21 hours and above on social media. Results further indicate that students who spend less than 6 hours daily on social media tend to perform better than students who spend at least 6 hours on social media daily.

The result from the ANOVA also indicate that there is a slightly significant difference in the academic performance of students across the faculties of study (P = .047).

The Chi Square result show that there is a significant relationship between social media usage and students' academic performance (Chi-Square value = 19.648, df = 3, P < .05); that there is no significant relationship between lecturer's approach and students' academic performance (Chi-Square value = 0.577, df = 3, P = .90); that there is a significant relationship between study habit and students' academic performance (Chi-Square value = 17.438, df = 3, P < .05); that there is a significant relationship between participation in extracurricular activities and students' academic performance (Chi-Square value = 17.759, df = 3, P < .05); that there is a significant relationship between relationship status and students' academic performance (Chi-Square value = 20.115, df = 3, P < .05).

4. DISCUSSION

The female students were found to perform significantly better academically on the average than male students. This is agreement with the findings of [12] who observed that female students did better than male students. They attributed this partly to female students being more academically responsible and thus less likely to be absent from lectures.

A significant relationship was found between participation in extracurricular activities and students' academic performance. Students who are involved in extracurricular activities were found to perform significantly better academically on the average than students who are not involved in extracurricular activities. This is in line with the findings of [15] who found that participation in extracurricular activities enhances students' academic performance and [16], [17] and [18] who found that participation in extracurricular activities promoted greater academic achievement..

No significant difference was found between the academic performance of students who are involved in a boyfriend/girlfriend relationship and students that are involved in a boyfriend/girlfriend relationship. As such, being involved in a relationship does not necessarily have an effect on the academic performance of students.

No significant difference was found between the academic performance of students who attended public secondary schools and students who attended private secondary schools. As such, the secondary school attended by students does not necessarily have an effect on their academic performance.

There was no significant relationship found between lecturer's approach and students' academic performance. This is probably due to the fact that the university has a great blend of lecturers.

A significant relationship was found between study habit and students' academic performance. This corroborates the findings of [13] and [14]. The use of the library was found to significantly affect the academic performance of students. In the same vein the number of daily study hours was found to significantly affect the academic performance of students. The more hours spent studying daily, the better the academic performance of the students.

A significant relationship was found between social media usage and students' academic performance. This corroborates the findings of [19], [20], [21]. The number of hours spent on social media was found to significantly affect the academic performance of students. Students who spend less than 6 hours daily on social media tend to perform better than students who spend at least 6 hours on social media daily. This is in agreement with [22] who found that the more the hours spent on social media, the lower the academic performance of the students.

4. CONCLUSION

Summary of Findings

This research work examined some internal and external classroom factors that affect the academic performance of students.

The results from the independent samples t-test revealed that there was a significant difference in the academic performance of male and female students, students who are involved in extracurricular activities and students who are not extracurricular activities; it also revealed that there was no significant difference between the academic performance of students who are involved in a boyfriend/girlfriend relationship and students that are not involved in a boyfriend/girlfriend relationship and students who attended public secondary schools and students who attended private secondary schools.

The results from the analysis of variance revealed that there was a significant difference between the academic performance of students based on library usage; there was a significant difference between the academic performance of students based on social media presence; there was a significant difference between the academic performance of students based on involvement in extracurricular activities; there was no significant difference between the academic performance of students based on the number of hours spent weekly on sports.

The results from the Chi-Square test of independence revealed that there was a significant relationship between students' academic performance and social media usage, study habit, boyfriend/girlfriend relationship status and participation in extracurricular activities. It also revealed that there was no significant relationship between lecturer's approach and students' academic performance.

Recommendations

Based on the findings on this research work, students should be encouraged to develop good study habits that will enable them spend more time studying. Students should cut down on the number of hours spent daily on social media and should instead be more involved in extracurricular activities that promote fitness, total wellness and team work. Finally, the current study should be replicated using techniques like regression analysis.

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APPENDIX 1: SURVEY QUESTIONNAIRE

QUESTIONNAIRE

Dear Respondent,

We are carrying out a research project on "FACTORS AFFECTING THE ACADEMIC PERFOMANCE OF STUDENTS OF BOWEN UNIVERSITY".

Your participation in this research is needful but voluntary. Your responses are held in the strictest confidence. Thank you for your time.

	TION A: Personal Information						
1	. Sex: Male Female						
2	2. Age: Below 16 16 - 20 21 - 2	25		Ab	ove	25	
3	S. Level: 100L 200L 300L Spillover]	400	– 50	00L	
4	Faculty:						
5	Current CGPA:						
6	i. Which secondary school did you attend? Public	Г		Priv	vate		
	SECTION				No.		
	questions in this section relate to the inte						
	ormance. Indicate how much you agree or disagr	ee wi	th t	ne fol	low	ing st	tatements by putting a
	n the appropriate box. S: SA: Strongly Agree; A: Agree; NS: Not Sure D: D	licagr	٠۵٠	sn. e	tron	alv Di	isaaree
IXL I	3. 3A. Strongly Agree, A. Agree, No. Not Sure D. L	nsagit	-c, .	JD. 0	liOii	giy Di	sagree
S/N	STATEMENTS	SA	Α	NS	D	SD]
7	I feel sleepy in class						
8	I feel hungry in class						1
8 <u> </u>	I find it difficult to see in class						-
10	I find it difficult to hear in class						
11	I study only when there is a test						-
12	I study only when I like						
13	I come late for lectures						-
14	I am sometimes absent from lectures						1
15	I copy the assignment(s) of friends						1
16	My lecturers discuss many topics in a short period						1
17	My lecturers use lecture method only						-
18	My lecturers are sometimes absent from class						1
19	My lecturers are sometimes late to class						1
20	My lecturers can be strict with marks						1
							_
	SECTION	С					
The	questions in this section relate to external classr	oom i	fact	ors af	fect	ing s	tudent's performance
	ly tick as appropriate.					•	·
	1. How often do you visit the library?						
	Daily Occasionally Rarely		Nev	er]	
2	2. Do you borrow books from the library?						
	Yes No						
2	3 How much time do you spend studying in a day?						

16 – 20hrs

21hrs&above

24.	How much time do you spend on sports in a week?
	0 – 5hrs 6 – 10hrs 11 – 15hrs 16 – 20hrs 21hrs&above
25.	How active are you on social media?
	Very active Active Not Active
00	Military of the Celler Connected and Productions and a secretary design
26.	Which of the following social media platforms are you registered on?
	Please tick all that apply. Facebook Instagram Snapchat Whatsapp
	Twitter Imo Skype Others, Please State:
	Othors, Fiedde State.
27.	How many hours do you spend on social media in a day?
	0 – 5hrs 6 – 10hrs 11 – 15hrs 16 – 20hrs 21hrs&above
28.	Are you in a relationship? Yes No If No go to Question29
	If Yes: Within Campus Outside Campus
20	How Much time do you invest in your relationship daily?
23.	0 – 5hrs 6 – 10hrs 11 – 15hrs 16 – 20hrs 21hrs&above
30.	How many BBSF units and/or other groups do you belong to?
	None One Two Three Four and above
31.	Are you an active member of your departmental association?
	Yes No

APPENDIX 2: SPSS RESULTS

Group Statistics for difference in the academic performance of male and female students

	Sex	N	Mean	Std. Deviation	Std. Error Mean
Current CGBA	Male	144	3.4454	.83785	.06982
Current CGPA	Female	236	3.8138	.74021	.04818

Independent Samples Test difference in the academic performance of male and female students

		Levene's Equality of	Test for Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2- tailed)	Mean Difference	Std. Error Difference	95% Co Interva Differ	l of the	
									Lower	Upper	
Current	Equal variances assumed	2.909	.089	4.475	378	.000	36844	.08233	53032	20655	
CGPA	Equal variances not assumed			4.343	273.845	.000	36844	.08483	53545	20143	

ANOVA for library visitation

Current CGPA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	26.047	3	8.682	15.167	.000
Within Groups	215.239	376	.572		
Total	241.286	379			

Multiple Comparisons for library visitation

Dependent Variable: Current CGPA

Scheffe

(I) How often do you visit	(J) How often do you visit	Mean	Std. Error	Sig.	95% Confide	ence Interval
the library?	the library?	Difference (I-J)			Lower Bound	Upper Bound
	Occasionally	.02445	.15568	.999	4127	.4616
Daily	Rarely	.43735	.15701	.053	0036	.8783
	Never	.68436	.17103	.001	.2041	1.1646
	Daily	02445	.15568	.999	4616	.4127
Occasionally	Rarely	.41290 [*]	.08944	.000	.1617	.6641
	Never	.65991 [*]	.11224	.000	.3447	.9751
	Daily	43735	.15701	.053	8783	.0036
Rarely	Occasionally	41290 [*]	.08944	.000	6641	1617
	Never	.24701	.11409	.198	0734	.5674
	Daily	68436 [*]	.17103	.001	-1.1646	2041
Never	Occasionally	65991	.11224	.000	9751	3447
	Rarely	24701	.11409	.198	5674	.0734

^{*.} The mean difference is significant at the 0.05 level.

ANOVA for daily study hours

Current CGPA

	Sum of Squares	df	Mean Square	Mean Square F	
Between Groups	14.952	4	3.738	6.193	.000
Within Groups	226.334	375	.604		
Total	241.286	379			

Multiple Comparisons for daily study hours

Dependent Variable: Current CGPA

Scheffe

(I) How long do you spend	(J) How long do you spend	Mean	Std. Error	Sig.	95% Confide	ence Interval
studying in a day?	studying in a day?	Difference (I-J)			Lower Bound	Upper Bound
	6-10hrs	37044	.09685	.006	6703	0706
0-5hrs	11-15hrs	59639	.21285	.100	-1.2553	.0625
	16-20hrs	54782	.55134	.912	-2.2546	1.1589
	21hrs&above	78082	.35058	.293	-1.8661	.3044
	0-5hrs	.37044*	.09685	.006	.0706	.6703
6-10hrs	11-15hrs	22595	.22427	.907	9202	.4683
0-101115	16-20hrs	17738	.55585	.999	-1.8981	1.5433
	21hrs&above	41038	.35763	.858	-1.5175	.6967
	0-5hrs	.59639	.21285	.100	0625	1.2553
11-15hrs	6-10hrs	.22595	.22427	.907	4683	.9202
11-15008	16-20hrs	.04857	.58727	1.000	-1.7694	1.8666
	21hrs&above	18443	.40475	.995	-1.4374	1.0685
16-20hrs	0-5hrs	.54782	.55134	.912	-1.1589	2.2546
10-201115	6-10hrs	.17738	.55585	.999	-1.5433	1.8981

1	11-15hrs	04857	.58727	1.000	-1.8666	1.7694
	21hrs&above	23300	.64999	.998	-2.2451	1.7791
21hrs&above	0-5hrs	.78082	.35058	.293	3044	1.8661
	6-10hrs	.41038	.35763	.858	6967	1.5175
	11-15hrs	.18443	.40475	.995	-1.0685	1.4374
	16-20hrs	.23300	.64999	.998	-1.7791	2.2451

^{*.} The mean difference is significant at the 0.05 level.

ANOVA for CGPA across faculties

Current CGPA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	7.100	5	1.420	2.268	.047
Within Groups	234.186	374	.626		
Total	241.286	379			

Group Statistics for difference in the academic performance of students who are active members and those who are not active members of their departmental association

	Are you an active member of	N	Mean	Std. Deviation	Std. Error Mean
	your departmental				
	association?				
Current CCDA	Yes	111	3.9768	.69202	.06568
Current CGPA	No	269	3.5493	.80633	.04916

Independent Samples Test for difference in the academic performance of students who are active members and those who are not active members of their departmental association

		Levene's Equality of	Test for Variances		t-test for Equality of Means					
		F	Sig.	t	df	Sig. (2- tailed)	Mean Difference	Std. Error Difference	95% Co Interva Differ	l of the
									Lower	Upper
Current	Equal variances assumed	2.753	.098	4.891	378	.000	.42754	.08741	.25567	.59940
CGPA	Equal variances not assumed			5.211	237.212	.000	.42754	.08204	.26591	.58917

ANOVA for Weekly Sport Hours

Current CGPA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.340	4	.335	.524	.718
Within Groups	239.946	375	.640		
Total	241.286	379			

ANOVA for membership of BBSF units/groups

Current CGPA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	29.028	4	7.257	12.821	.000
Within Groups	212.258	375	.566		
Total	241.286	379			

Multiple Comparisons for membership of BBSF units/groups

Dependent Variable: Current CGPA

Scheffe

(I) How many BBSF units	(J) How many BBSF units	Mean	Std. Error	Sig.	95% Confide	ence Interval
and/or other groups do you belong?	and/or other groups do you belong?	Difference (I-J)			Lower Bound	Upper Bound
	One	51897 [*]	.09040	.000	7988	2391
	Two	48351 [*]	.11213	.001	8306	1364
None	Three	82453 [°]	.19585	.002	-1.4308	2183
	Four and above	63786	.31196	.384	-1.6036	.3278
	None	.51897	.09040	.000	.2391	.7988
0	Two	.03546	.12160	.999	3410	.4119
One	Three	30556	.20142	.681	9291	.3180
	Four and above	11889	.31548	.998	-1.0955	.8577
	None	.48351 [*]	.11213	.001	.1364	.8306
Two	One	03546	.12160	.999	4119	.3410
TWO	Three	34102	.21206	.630	9975	.3154
	Four and above	15435	.32238	.994	-1.1523	.8436
	None	.82453 [*]	.19585	.002	.2183	1.4308
Three	One	.30556	.20142	.681	3180	.9291
Tillee	Two	.34102	.21206	.630	3154	.9975
	Four and above	.18667	.36016	.992	9283	1.3016
	None	.63786	.31196	.384	3278	1.6036
Four and above	One	.11889	.31548	.998	8577	1.0955
roui and above	Two	.15435	.32238	.994	8436	1.1523
	Three	18667	.36016	.992	-1.3016	.9283

^{*.} The mean difference is significant at the 0.05 level.

Group Statistics for involvement in boyfriend/girlfriend relationship

	Are you in a relationship?	N	Mean	Std. Deviation	Std. Error Mean
Current CGPA	Yes	212	3.6197	.90217	.06196
Current CGFA	No	168	3.7429	.63871	.04928

Independent Samples Test for involvement in boyfriend/girlfriend relationship

Levene's	Test for		t-test for Equality of Means					
Equality of	Variances							
F	Sig.	t	df	Sig. (2-	Mean	Std. Error	95% Confidence	
				tailed)	Difference	Difference	Interval of the	
							Difference	

									Lower	Upper
Current	Equal variances assumed	21.289	.000	1.497	378	.135	12318	.08228	28497	.03861
CGPA	Equal variances not assumed			- 1.556	373.525	.121	12318	.07917	27885	.03249

ANOVA for social media presence

Current CGPA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	20.281	4	5.070	8.603	.000
Within Groups	221.006	375	.589		
Total	241.286	379			

Multiple Comparisons for social media presence

Dependent Variable: Current CGPA

Scheffe

(I) How many hours do	(J) How many hours do	Mean	Std. Error	Sig.	95% Confide	ence Interval
you spend on social media	you spend on social media	Difference (I-J)			Lower Bound	Upper Bound
daily?	daily?					
	6-10hrs	.10870	.09052	.837	1715	.3889
0.51	11-15hrs	.59080	.13733	.001	.1657	1.0159
0-5hrs	16-20hrs	.18555	.18887	.915	3991	.7702
	21hrs&above	.99221	.22813	.001	.2860	1.6984
	0-5hrs	10870	.09052	.837	3889	.1715
6-10hrs	11-15hrs	.48210 [*]	.14557	.028	.0315	.9327
6-10HIS	16-20hrs	.07685	.19495	.997	5266	.6803
	21hrs&above	.88351 [*]	.23318	.007	.1617	1.6054
	0-5hrs	59080 [*]	.13733	.001	-1.0159	1657
11-15hrs	6-10hrs	48210 [*]	.14557	.028	9327	0315
11-151118	16-20hrs	40525	.22061	.498	-1.0882	.2777
	21hrs&above	.40141	.25503	.649	3881	1.1909
	0-5hrs	18555	.18887	.915	7702	.3991
16-20hrs	6-10hrs	07685	.19495	.997	6803	.5266
10-201115	11-15hrs	.40525	.22061	.498	2777	1.0882
	21hrs&above	.80667	.28610	.096	0790	1.6923
	0-5hrs	99221 [*]	.22813	.001	-1.6984	2860
21hrs&above	6-10hrs	88351	.23318	.007	-1.6054	1617
∠ mis&above	11-15hrs	40141	.25503	.649	-1.1909	.3881
	16-20hrs	80667	.28610	.096	-1.6923	.0790

^{*.} The mean difference is significant at the 0.05 level.

Group Statistics for secondary school attended

	Secondary School Attended	N	Mean	Std. Deviation	Std. Error Mean
Current CGPA	Public	43	3.5167	.95680	.14591
Current CGFA	Private	337	3.6943	.77466	.04220

Independent Samples Test for secondary school attended

		Levene's		t-test for Equality of Means						
		Equality of	Variances							
		F	Sig.	t	df	Sig. (2-	Mean	Std. Error	95% Co	nfidence
						tailed)	Difference	Difference	Interva	l of the
									Differ	ence
									Lower	Upper
Current	Equal variances assumed	6.079	.014	1.376	378	.170	17754	.12906	43130	.07622
CGPA	Equal variances not assumed			- 1.169	49.277	.248	17754	.15189	48273	.12765

Class of Degree * Use of Social Media Crosstabulation

Count

		Use of So	Total	
		Less than 6 hours	At least 6 hours	
		daily	daily	
	First Class	24	14	38
Olara a C Danna	Second class Upper	70	30	100
Class of Degree	Second Class Lower	30	16	46
	Third Class	9	24	33
Total		133	84	217

Chi-Square Tests for Class of Degree * Use of Social Media

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	19.648 ^a	3	.000
Likelihood Ratio	19.363	3	.000
Linear-by-Linear Association	10.029	1	.002
N of Valid Cases	217		

Class of Degree * Lecturer's Approach Crosstabulation

Count

		Lecturer's	Total	
		Lecture Method	Teaching Method	
	First Class	33	30	63
Olara at Danier	Second class Upper	87	95	182
Class of Degree	Second Class Lower	50	47	97
	Third Class	19	19	38
Total		189	191	380

Chi-Square Tests for Class of Degree * Lecturer's Approach

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	.577 ^a	3	.902
Likelihood Ratio	.577	3	.902
Linear-by-Linear Association	.001	1	.972

Class of Degree * Study Habit Crosstabulation

Count

		Study	Total	
		Less than 6 hours	At least 6 hours	
		daily	daily	
	First Class	39	24	63
	Second class Upper	122	60	182
Class of Degree	Second Class Lower	79	18	97
	Third Class	35	3	38
Total		275	105	380

Chi-Square Tests for Class of Degree * Study Habit

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	17.438 ^a	3	.001
Likelihood Ratio	19.430	3	.000
Linear-by-Linear Association	16.447	1	.000
N of Valid Cases	380		

Class of Degree * Participation in Extracurricular activities Crosstabulation

Count

			acurricular activities	Total
		None	At least One	
	First Class	39	24	63
Class of Dogras	Second class Upper	143	39	182
Class of Degree	Second Class Lower	81	16	97
	Third Class	36	2	38
Total		299	81	380

Chi-Square Tests for Degree * Participation in Extracurricular activities

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	17.759 ^a	3	.000
Likelihood Ratio	18.366	3	.000
Linear-by-Linear Association	15.991	1	.000
N of Valid Cases	380		

Class of Degree * Relationship Status Crosstabulation

Count

		Relationsh	nip Status	Total
		Yes	No	
	First Class	38	25	63
Class of Degree	Second class Upper	97	85	182
	Second Class Lower	44	53	97

Third Class	33	5	38
Total	212	168	380

Chi-Square Tests for Class of Degree * Relationship Status

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	20.115 ^a	3	.000
Likelihood Ratio	22.310	3	.000
Linear-by-Linear Association	1.631	1	.202
N of Valid Cases	380		