

ACADEMIC PERFORMANCE OF BACHELOR IN INDUSTRIAL TECHNOLOGY (BIT) STUDENTS OF GUIMARAS STATE COLLEGE

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ABSTRACT This study was conducted to measure the academic performance of Bachelor in Industrial Technology (BIT) students of Guimaras State College. There were 651 respondents in the study composed of students who graduated from AY 2016-2017 to AY 2019-2020. The descriptive research design was used while the instrument used in gathering data was a researcher-made questionnaire. The statistical tools used were the frequency count, percentage distribution, and mean. Results revealed that most of the respondents were male, have a monthly family income of 5,000 and below, and majority of them took up an Automotive Technology major. In the number of hours they spent studying, most of them spent 3-4 hours per day. While the general weighted average of BIT students was 1.99 which was interpreted as very good. Therefore, the BIT students of Guimaras State College have very good academic performance.

Keywords: academic, Bachelor of Industrial Technology, Guimaras State College, performance

INTRODUCTION

Academic performance, which is measured by the examination results, is one of the major goals of a school. Hoyle (1986) as cited by Martha (2005) argued that schools are established with the aim of imparting knowledge and skills to those who go through them and behind all this is the idea of enhancing good academic performance.

Various studies have been carried out on the factors that affect students' academic performance or achievement in schools, colleges and universities. Some of the factors identified and reported to have affected the academic performance of students in these different settings are: student effort, previous or prior educational performance, self-motivation, the social-economic status of the students' parents, the students' age, number of hours of study per day, admission points, different entry qualifications, tuition trends and the students' area of residence (rural or urban) (Farooq, Chaudry, Shafiq & Berhanu, 2011; Ali, Haider, Munir, Khan & Ahmed, 2013, Amasaumo, 2014).

Admission points and the different entry qualifications, which are the results of prior or previous academic performance likely to affect the students' future academic performance, have been considered in this study, as this research concerns the academic performance of students admitted with different entry certificates. Tertiary institutions all over the world, including Nigeria, use prior academic performance in terms of admission points or different entry qualifications/certificates as a basis for selecting students for admission into the colleges of education, polytechnic schools and universities. These admission points or entry certificates are always of equivalent rating or value, even though they may be awarded by different examination bodies. Thus, Bratti and Staffolani (2002) observed that the measurement of the students' prior educational outcomes or performance is the most important indicator or determinant of the students' future academic performance (Amasaumo, 2014).

Guimaras State College (GSC) is one of the major producers of Bachelor of Industrial Technology graduates and have produced massive graduates over the years. The Bachelor of Industrial Technology is a program under the College of Engineering and Industrial Technology that aimed to provide quality and excellent education and training for the higher manpower skills, technologist, technicians and professionals by educating the students enrolled in this course. In this tertiary level of education, performance is assessed in various ways. For systematic scoring, learners prove their knowledge by undertaking oral or written test, skills performance, performing presentations as is done in seminars, partaking in classroom activities, periodic exam, discussions and submission of take-home assignments. Student's academic performance and graduation rates have been the main area of interest for higher education institutions. Examination of factors related to the academic performance of students become a topic of increasing interest in higher educational circle. Many recent studies were carried out to discover factors that affecting student's academic performance. To achieve this study was conducted to measure the academic performance of Bachelor in Industrial Technology students of Guimaras State College. Specifically, this study aimed to determine the profile of the respondents in terms of sex, monthly family income, majoring; number of hours per day spent for studying, and academic performance in terms of their general weighted average.

METHODOLOGY

This study made used of descriptive research design employing researcher-made questionnaire in gathering the data. The respondents of the study were the 651 Bachelor in Industrial Graduates from AY 2016-2017 & AY 2019-2020. The statistical tools used were the frequency count, percentage distribution, and mean.

RESULTS AND DISCUSSIONS

Table 1 presents the profile of the respondents. Results shows that majority of the respondents were male, most of them have monthly family income of 5,000 and below, major in Automotive Technology and spent 3-4 hours per day in studying.

Table 1. Profile of the Respondents

Category	f	%
Sex		
Female	234	35.94
Male	417	64.06
Total	651	100
Monthly Family Income		
5,000 and below	367	56.37
5,001- 10,000	214	32.87
10,001- 15,000	59	9.06
15,001 and above	11	1.69
Total	651	100
Major/Field of Specialization		
Automotive Technology	463	66.97
Electrical Technology	45	6.91
Electronics Technology	50	7.68
Machine Shop Technology	24	3.69
Food Technology	54	8.29
Fashion and Apparel	15	2.30
Total	651	100
Number of Hours Spent in Studying		
1-2 hours	197	30.26
3-4 hours	223	34.25
5-6 hours	156	23.97
7 hours and more	75	11.52
Total	651	100

Academic Performance of Bachelor in Industrial Technology Students

Table 2 presents the academic performance of Bachelor in Industrial Technology Students from AY 2016-2017 to AY 2019-2020. It was observe that the BIT students have an overall general weighted average (GWA= 1.99) which is interpreted as very good. Also, it can be gleaned in Table 2 that the Bachelor in Industrial Technology students have good academic performance every first semester and achieved a very good academic performance every second semester. This implies that the BIT students perform better during the second semester than the first semester of AY 2016-2017 and AY 2019-2020.

Table 2. Academic Performance of Bachelor in Industrial Technology Students from AY 2016-2017 to AY 2019-2020

Academic Year	G.W.A	Interpretation
1st Semester 2016-2017	2.13	Good
2nd Semester 2016-2017	1.93	Very Good
1st Semester 2017-2018	2.08	Good
2nd Semester 2017-2018	1.92	Very Good
1st Semester 2018-2019	2.15	Good
2nd Semester 2018-2019	1.84	Very Good
1st Semester 2019-2020	2.02	Good
2nd Semester 2019-2020	1.88	Very Good
Total	1.99	Very good

Scale: 1.00–1.50 (Excellent), 1.51–2.00 (Very Good), 2.01–2.50 (Good (G)), 2.51–3.00 (Fair), 3.01 and below (Need Improvement)

CONCLUSIONS

The Bachelor of Industrial Technology graduates showed a very good academic performance. Moreover, the graduates have better academic performance every second semester of AY 2016-2017 and 2019-2020.

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