



JOHN B. LACSON FOUNDATION MARITIME UNIVERSITY-MOLO,INC.

M.H. DEL PILAR STREET, MOLO, ILOILO CITY

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**COMPUTER USAGE FOR ACADEMIC PURPOSES AMONG THE  
GRADE-11 STUDENTS OF JBLFMU-MOLO**

In partial fulfillment of the requirements

To the subject Practical Research 1

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APPROVAL SHEET

This research project entitled: "**COMPUTER USAGE FOR ACADEMIC PURPOSES AMONG THE GRADE-11 STUDENTS OF JBLFMU-MOLO** " at John B. Lacson Foundation maritime university - Molo, Academic Year 2017- 2018, prepared and submitted by Rovic Canicula and El Franciss Aragon of Grade 11- Betelgeuse in partial fulfillment of the requirement in the subject Practical Research 1 has been examined and hereby recommended for approval and acceptance.

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## ABSTRACT

The research entitled "**COMPUTER USAGE FOR ACADEMIC PURPOSES AMONG THE GRADE-11 STUDENTS OF JBLFMU-MOLO**" was constructed by the researchers for they wanted to discern and take deep explorations concerning the academic performance of different individuals, specifically the senior high school students who use computer for academic purposes.

This paper describes the computer usage for academic purposes among the GRADE-11 students of JBLFMU-MOLO. Due to the fast advancement of technology nowadays, GRADE-11 students were getting involved with the use of computer. In this generation computer is one of the most useful thing when it talks about academic purposes, (Kovach, 2010). Using computer for academic purposes helps students to make the work easier. Using computer has a big contribution for the academic purposes of the students. The computer programs that were invented were the reason why students choose computer to help to make their work easier .30 senior high school students of JBLFMU-MOLO were surveyed about using computer for academic purposes. Many students answered that using computer is a big help for their academic performance. Results shows that computer usage for academic performance of GRADE-11 STUDENTS OF JBLFMU-MOLO is a big help in their studies.

## ACKNOWLEDGEMENT

In doing this study, the researchers encountered many problems, troubles and revisions that wrenched them to burst and disencumber. Hence, as time goes by, the researchers pondered upon their need to accomplish and pursue this study for the end purpose of passing their Psychology Course. At the beginning, the researchers were confused and oblivious about the necessary subjects to be studied. Yet with the help of dear families, friends and mentors, the researchers had assured the success of the study.

First, the researchers give thanks to God for bestowing them patience, wisdom and gift of knowledge in doing this study.

Second, to their parents, who helped them financially in their study. In addition, for the support they give as the researcher pursue their future careers.

Third, the Senior students who formed and inspired the researchers to make their study significant.

And lastly, to Dr. Elvira Delgado, for helping and guiding the researchers through their study. Thank you for your patience and imparting your knowledge. May God, bless you always. The researchers put their hearts and minds to make this study possible. God bless everyone.

## TABLE OF CONTENT

Title Page _____	i
Abstract _____	iii
Acknowledgement _____	iv

### CHAPTER 1

Introduction _____	1
Theoretical Framework _____	2
Conceptual Framework _____	3
Purpose of the study _____	3
Statement of the Problem _____	4
Research Assumption _____	4
Significance of the Study _____	5
Scope and Delimitation _____	5
Definition of terms _____	6

### CHAPTER 2

Related Literature _____	7-8
--------------------------	-----

### CHAPTER 3

Research Design _____	9
Respondents _____	9
Sample Size _____	10
Sampling Techniques _____	10
Instruments _____	11
Data Gathering _____	11
Data Analysis _____	11

CHAPTER 4

Data Collections and Analysis _____	12
Research Findings _____	12

CHAPTER 5

Summary _____	13
(Reasons) _____	13
Conclusion _____	14
Recommendation _____	14

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## CHAPTER I

### INTRODUCTION

#### **Background of the study**

Nowadays, one of the hot issue in technology is about the computer usage for academic purposes among the grade 11 students of JBLFMU-MOLO. Broadly speaking, all of technology devices are unique but there is a highest rating to cope up all the academic purposes and many more information need to know about and that is the computer. There's no denying that computer has become a significant part of student's everyday lives. But the question is, how computer affect the students learning?

We are on a generation that technology is important and a way to make the work cheaper and faster. Until now we can see in the newspaper or other news magazines about the good and bad effects of using computer to the learning of the students. Computer has flourished for the gain of mankind. The major achievement is the man spell-bound and every part of the world today is enjoying the comforts provided by the computer. However, we cannot say that computer is always good to use. We have to see to what extent it has really help improve the people's standard living. There are many possible effects on using it and they have to know how to use it for their benefit and should not abuse it's use. It should be properly use rather than rely on it totally.

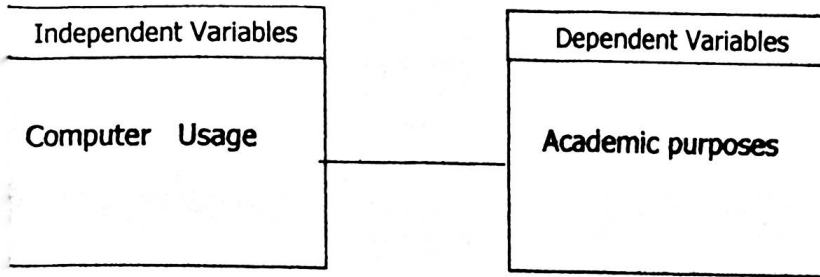
## **Theoretical framework**

This part deals with the theories and concepts related to the study.

According to JA KULIK (2008), The history of education is largely a story of gradual evolution, but education has also had its revolutions. The first use of writing as a tool in teaching transformed education many centuries ago when it freed teachers from the constraints of oral tradition. The invention of printing in the 15th century made books widely available and had a similarly dramatic effect on the history of education. Now, in the 20th century, the invention of the computer may have an equally profound impact on education. Ye L. Richard (2010) said, The impact of computer literacy on student academic performance in the introductory management information systems course. In this study, we examine empirically the correlation between students' level of computer literacy and their performance in an introductory information systems course. The research is seen as a first step in a series of studies designed to explore the predictive validity of the computer literacy requirement.



## Conceptual framework



This figure hypothesized relation between variables on the Computer Usage for Academic Purposes among the grade 11 students of JBLFMU MOLO.

Independent variables is the computer usage. These computer usage is the response variable which observed and measured to determine the academic performance of the students, which is dependent variables.

## Purpose of the study

The sole purpose of the study is to determine the reasons why the senior high school students use a computer for academic purposes.

Researchers would like to know what triggers the students to use a computer for their academic purposes. Also, to be abreast regarding the satisfaction the students get. As well as to know how the problems affect the academic performance of the said respondents.

The respondents chosen are the grade 11 senior high school students of John B. Lacson Foundation Maritime University.

## **Statement of the problem**

This study aimed to know the effects of educational devices in the learning performance among the grade 11 students of JBLFMU-MOLO. Specifically, it attempts to answer the following questions.

1. What are the reasons why do we prefer computer instead of cell phones for academic purposes?
2. What are the way to prevent computer addiction?
3. Which is better bringing a laptop/computer in school or cell phones on making a project unique for example power point presentation and many other work?
4. What are the effect of over using a computer?
5. How computer usage help for academic purposes?

## **Assumption of the study**

The computer usage for academic purposes on grade 11 students are chronologically help them in their studies. By these, I assume that students who are using a computer/laptop undergo a lot of challenges in their own life. Their so much challenges like to becoming a computer addict, lack of sleep and etc.

## **Significance of the study**

This study is about the effects of computer on the learning performance of the grade 11 students of JBLFMU-MOLO for this school year 2017-2018.

This will benefit the grade 11 students for they will be more aware in using computer to enhance their learning performance and not to abuse of using it.

This study was also used for the sake of their task and responsibilities they may encounter in their future when they are also raising their own family. Through this study computer may gain insights on how to enhance the learners in using it. It may also be a great help to them in improving their skills. Most the studies deal with computer in the school facilities.

This study also benefit the professors who also considered this study, for they will be more aware to the importance of these computer to enhance their performance in teaching.

## **Scope and limitations of study**

This study is limited on the effect of computer to the academic purposes among grade 11 students of JBLFMU-MOLO.

This study focuses only to 30 grade 11 students of JBLFMU-MOLO who are using computer, are the subjects of the investigation. Each student will be given same set of questionnaire.

## **Definition of terms**

Listed below is the term taken from this thesis, which the researchers believe, have to be defined. This necessary to enable the future readers of this thesis to easily understand the contents of this research.

Computer- Refers to a device that helps student to do their school woks and as for entertainment.

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## CHAPTER II

### REVIEW RELATED LITERATURE

This chapter presents a review of local and foreign literature and studies which have relevance to study.

#### **Foreign Literature**

Computer aids student expression. Present what they have learned. They can use software to make presentations and projects. This makes them more interested in the subject and leads to better retention of information. With this computer aids, they can make easy to remember notes and creative presentation of the information they have acquired. It won't be wrong to say that application of the computer has made student's life easy. It's easier for students to carry a Laptop than carrying big fat books. (**Becker and Anderson, 2009**). Due to the rapid expansiveness of computer and its widearray of uses, the Incorporation of computer in learning has become a viable and inexpensive option. Almost three-quarters of Americans, 73% believe that investing in innovation and advanced computer sciences in education is the key to the country's long term of success (**Harris Interactive, 2009**). Based on (**Freeman Dyson, 2008**) he state that "computer is a teaching aid: Computer offer an interactive audio-visual medium. Power point presentation and animation software can be used to present information in an interactive way. Owing to the audio-visual effect, this way of teaching invites greater interest from students. The method is equally helpful for teachers. Projectors and

screens facilitate simultaneous viewing of information by a large number of students. Addressing systems using microphones and speakers make it possible for teachers to reach a larger number of students simultaneously. These teaching aids have led to improvements in student attendance and their attentiveness in class. Interactive media have proven to be useful in increasing student's concentration levels." It only means that through using computer the students may improve their learning performance. Computer has revolutionize the field of education. The importance of computer in schools cannot be ignored. In fact, with the onset of computers in education, it become easier for teachers to impart knowledge and for students to acquire it. The use of computer has made a process of teaching and learning enjoyable. **(Muir-Herzig, 2008)**

### **Local Literature**

Computer also saves teaching time as they require short-time to present large information. They can be used to reveal needs and stimulate student's question. Thus learner's interest can be aroused, maintained, and stimulated to promote their imaginative power. On the whole, computer ensure the application of classroom-oriented communication techniques. Therefore, learners should be assisted, encouraged and motivated not only to learn, but also to continue learn. **(Demegilio, 2009)**

Based on Demegilio he only means that computer is a factor to the learning of the student, not only to learn but also to renew something to learn.

## CHAPTER III

### METHODOLOGY

#### **Research Methodology**

In this part the researcher discussed the methods used and the procedure applied to obtain the data needed in this study.

#### **Research Design**

The subjects of the study are, the grade 11 students of JBLFMU-MOLO, school year 2017-2018. They were from SHS department consisting of thirty (30) students.

The researchers used the unrestricted random sampling under scientific design. This is the best random sampling design due to no restriction imposed; each member in the population is given an equal chance of being included in the sample.

#### **Respondents**

The respondents of the study are, thirty (30) grade 11 students of JBLFMU-MOLO which are presented by the time of distribution of the questionnaire.

Table 1 shows the grade 11 students of JBLFMU-MOLO, The list of students who are present in conducting of this study.

## Sample Size

Grade 11 students of JBLFMU-MOLO	No. Of students
Capella	20
Etamin	10
	Total (n): 30

## Sampling Technique

The respondents of this study was the grade 11 students of JBLFMU-MOLO who have using a computer usage for academic purposes. The sampling scheme used will be purposive sampling or judgemental sampling, is based on the belief that a researcher's knowledge about the population can be used to handpick the cases to be included in the sample (Jones, 2011). Convenient purposive sampling will be employed as sampling scheme to identify the respondents who will taking part in the process and be asked on. Convenient sampling will be employed as sampling scheme to identify the respondents who will be taking part in the process and be asked on their perspectives on the computer usage for academic purposes through an in-depth personal interview.



## **Data gathering instrument**

The researchers developed a questionnaire with rating scale to gather the required information.

The questionnaire was the main instrument in gathering data. Aside from the questionnaire, documentary analysis, and observation were used to gather the information needed in the study. The researcher adapted the mentioned instruments and techniques which were most appropriate for gaining insights on the effects of computer to the academic purposes among the grade 11 students of JBLFMU-MOLO.

## **Data Analysis**

The needed data for the study was securing a permit in the school administration to conduct a survey. After securing the said permit, the researchers will administer the questionnaire to the respondents after giving them background information of what are our intentions and what is the study about. The respondents will be given only 15 minutes to complete their answers and the mean is appropriate for scale option.

## **Data Matrix**

<b>Date</b>	<b>Independent Variables</b>	<b>Dependent Variables</b>	<b>Data</b>
January 8,2018	Computer Usage	Academic Purposes	Data will be gathered after survey.

## Chapter IV

### Presentation, Analysis and Interpretation of Data

#### **Introduction**

In this chapter the results of data and analysis are presented finding from 30 respondents completed by students encountered on classrooms who are a citizen of Iloilo. The purpose of this study is to know the side of some of the respondents about the effects of traffic between their academic performances.

In the gathering of data, the researchers started to identify first the characteristics of the respondents all shown below. Data analysis was used to identify the respondent's answer to the questions towards his/her own experience in the Questionnaires. Most respondents preferred to write a fake or screen name and some remained anonymous. The data using questionnaires in accordance to the sequencing of the sub problems enumerated under the statement of the problem portion in chapter 1.

The respondents were asked how old are they were, their gender and their year level.

The study's population is composed of the chosen Senior High School Students who lives in Iloilo City. The respondents numbered thirty (30).

## Profile Matrix

### Profile of the Senior High School Students

Shows that some ages of 16 years old respondents, most of the respondents are 17 years old, and some of the respondents are 18 years old. Since most of the senior high students are minors.

### Gender of the Senior High School Students

Shows that most of the respondents are male nor female.

### Year level of the Senior High School Students

Shows that the SHS students has 30 respondents.

## Results

Question 1:What are the reasons why do we prefer computer instead of cell phones for academic purposes?	
Similar	Dissimilar
Many of our respondents answered that computer is high motivated technology	While other said that cell phones is more lighter than laptop.

Question 2:What are the ways to prevent computer addiction?	
Similar	Dissimilar

Many says that to prevent computer addiction is to use time management on using a computer when there is an important need.	None
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Question 3: Which is better bringing a laptop/computer in school or cell phones. Which is easy to make a projects unique?	
Similar	Dissimilar
Many answered that Laptop/Computer is the best making a projects unique and better.	Some says that cell phone is easy to carry and there is a tool to make your project unique.

Question 4: What are the effect of over using a computer?	
Similar	Dissimilar
<ul style="list-style-type: none"> <li>• Damaging your eye sight</li> <li>• Make your entire body numb</li> <li>• Becoming a computer addict</li> </ul>	None

Question 5: How laptop/computer usage help for academic purposes?	
Similar	Dissimilar
Many said that computer is highly motivated technology it can finish your project, assignments and etc. fast.	None

## Chapter V

### Summary, findings , conclusion and recommendation

#### **Summary**

This research studied the computer usage for academic purposes among the grade 11 students of JBLFMU-MOLO. The reasons and factors behind and correlations between the respondents.

#### **Computer Usage and Academic purposes**

Out of the respondents, some of them are the participants we choose in the senior high school department of JBLFMU-MOLO, stated that computer usage helps them in their academic performance in school and they all answer yes it can help them in their project more unique to achieve an high standard about their performance of using a computer.

#### **Reasons**

The most common reasons by the respondents is "always discover new things to learn in computer tools", second "have patience when your computer sometimes get lag" and lastly "always find a new frequency how to finish your work directly using a computer".

Respondents who indicated "always discover new things to learn in computer tools" in their reasons answered, in additional reasons why. They said that they want to learn and unlock some findings about computer tools for better and beautiful work of art in computer and for their academic performance in school. However, those who indicated "have patience when your using a computer sometimes get lag" as one of their reasons for using a computer they usually angry when get lagged sometimes. Furthermore, those who choose, "always find a new frequency how to finish your work directly using a computer" as a reason using a computer when there is a way to unlock a new frequency to fasten the work using a computer.

## **Conclusions**

Computer is a way to be our life fast and easy to have good academic performance in school can be an interest for people mostly students. But people need to use it properly. If not, it will become computer addiction. Computer addiction harmfulness is bigger than "TV addiction". In deed computer addiction can be called a "mental illness". Playing online games and working a project that you cannot rely or cope up reasonably can make people happy in free time. People also can increase the relationships between friends by rational use of a network. Indisputably, network is a good way to find an information.

## **Recommendation**

In general, the researchers were confident that the problems were

correspondingly answered with the accuracy and reliability it can utmost achieve;

however, there are still aspects in the research study that will improve the research and

yield more accurate and strong data and conclusions. The researchers have the

following recommendations:

1. The sample respondents were relatively small compared to the chosen respondents of JBLFMU MOLO. Stronger data and conclusions can be derived if a larger sample will be studied and the margins of error will be at minimum.
2. A better and well-organized questionnaire will be needed to derive more accurate answers and responses from the respondents. Some of the respondents simply put a check mark on the reasons/factors instead of putting numbers indicating the rank of these reasons/factors. The researchers selected other respondents to replace the respondents that answered the questionnaire wrong.
3. It will also be helpful if more reasons are served to the respondents. This will expose more areas of concern and even reveal more interesting correlations.