Student's behavior and online career counseling system

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Abstract

This study focused on the assessment of the relationship between the students' behavior and the online career counseling system of South City Homes Academy and Angels in Heaven School which composed of two-hundred and thirty-six male and female students under the ABM, HUMSS, STEM and TVL strands.

Specifically, it sought to answer to the following questions: 1) What is the status of student's behavior in terms of preference, commitment, interest and determination 2) What is the level of online career counseling system relative to availability, accessibility, reliability, convenience and engagement 3) Is there any significant relationship between the behavior and the Online Career Counseling System of the Senior High School students?

The study employed a quantitative research method. This study employed a descriptive research methodology in order to analyze the relationship between student's behavior and an online career counseling system among senior high school students from South City Homes Academy and Angels in Heaven School. Also, the level of student's behavior gathered an overall mean of 3.98 for preference and 4.11 for commitment interpreted as High respectively while interest gathered an overall mean of 4.24 and 4.21 for determination interpreted as very high. Based on the data, it is shown that there is "a relationship student's behavior and online career counseling system among senior high school students of South City Homes Academy and Angels in Heaven School" at 0.001 level of significance.

The researcher therefore concludes that r-values for student's behavior are significant at probability level. This means that the student's behavior has a strong correlation to the online career counseling system with regards to availability, accessibility, reliability, convenience and engagement. Based on the data, it is shown that there is "a relationship student's behavior and online career counseling system among senior high school students of South City Homes Academy and Angels in Heaven School" at <0.000 level of significance.

The researcher recommends that the behavior of the students such as the preference, commitment, interest and determination may be given an utmost importance for the career counseling system for their career decision making, students may be positively motivated in utilizing modern technology specifically the internet, smartphones, tablets and computer in career counseling, Guidance counselors may be technically well equipped of the various platform like social media and digital devices for career counseling, orientation may be done to discuss before conducting the online career counseling system for the parents and students as well for the teachers, parents should inform on the preference of their child in terms of using the online career counseling system, the administrator may improve their student's services in guidance counseling particularly in online career counseling program in assisting students with problems in their career decision making & in other behavioral problems and future researcher may conduct relevant studies about the behavior of the students regarding on line career counseling.

Keywords:

1. INTRODUCTION

Online career counseling is a significant new area for career advice. Notably, the majority of other students and career advice specialists have access to digital tools for communication with teachers, parents, peers, and many other stakeholders. At least 77 percent of students and career counselors use digital technologies to manage the consultation process, including the use of online career counseling systems and it should be highlighted. Naturally, a higher appraisal of digital skills is also influenced by the fact that students and guidance professionals quickly learnt and improved their knowledge during the Covid-19 pandemic. They have further developed and adhere to professional obligations, such as ongoing communication channels with students who are enrolled remotely. While the popularity of e-Learning and other automated solutions are taken advantage of by many academic institutions, it is hard to deny that career counseling is also an aspect in an Academic institution which ICT needs to make a progressive impact on.

Information and communication technology (ICT) is playing a major role in the development of contemporary life in an academic institution. International research has shown that ICT can lead to better student learning and enhanced teaching methods. The online career counseling technologies constitute one of the career counseling modes in which the possibility for the clients to have access to the online counseling increases and new types of support are provided. Emails, videoconferences, and several social media programs can all be used to communicate via the internet. These communication tools have been employed in a variety of online counseling situations, including workforce development, entrepreneurship education, career development, and learning development (Holley et al., 2016).

This study's result was in conjunction with the REPUBLIC ACT 11206 or Secondary School Career Guidance and Counseling Act, which is valid for public and private high schools across the country. The act is aimed at helping students make wiser and more accurate decisions regarding their future careers. To achieve that, the career guidance and counseling program was institutionalized in schools. The act also imposed the establishment of a National Secondary Schools Career Guidance and Counseling Program (CGCP) to provide high-quality guidance and counseling services to students. Such a decision standardizes and organizes the career guidance process and places emphasis on its significance. The recognition of the role of such services is great as it proves the government cares about the country's residents and is ready to help them make a balanced decision that will lead to satisfaction with their future careers.

1.1 Objectives of the Study

The study aimed to discuss the student's behavior and an online career counseling system. Specifically, it sought to answer the following questions:

1. What is the status of student's behavior with regards to
    1.1. preference;
    1.2. commitment;
    1.3. interest and
    1.4. determination?
2. What is the level of online career counseling system relative to
    2.1. availability;
    2.2. accessibility;
    2.3. reliability;
    2.4. convenience and
    2.5. engagement?
3. Is there any significant relationship between the behavior and the Online Career Counseling System of the Senior High School students?

2. METHODOLOGY

2.1 Research Design

The research design used in this study was a descriptive survey method. It aimed to determine the student's behavior and online career counseling system in South City Homes Academy, Biñan City, Laguna.

Descriptive research is a purposive process of data gathering, analyzing, classifying and tabulating data about prevailing conditions, practices, beliefs, processes, trends and cause-effect relationships and then adequate and accurate interpretation about such data with or without the aid of statistical treatment.

2.2 Respondents of the Study

The study population consisted of Grades 11 and 12 with 118 male and 118 female students from the four different strands such as STEM, HUMSS, ABM and TVL of the Senior High School Department of South City Homes Academy and Angels in Heaven School. All Grade 11 and 12 students were the respondents of the study because the researcher believed that these groups of people are in need of career counseling.

2.3 Research Instrument

The research instrument that was used in this study was self-made to obtain the needed data. The questions consisted of single-answer questions. These questions were classified into two different categories. The questions were categorized as A) The status of the behavior of the respondents with regards to preference, commitment, interest and determination B) Level of Online Career Counseling System relative to availability, accessibility, reliability, convenience and engagement. The assistance of some experts in the field validated the questionnaire.

The survey used in this study was the Likert Scale. The Five Point Likert Scale contains mixed positive and negative statements and the points are interpreted as:

Numerical Rating	Equivalent
5	Strongly Agree
4	Agree
3	Neutral

| 2 | Disagree |
| 1 | Strongly Disagree |

2.4 Statistical Treatment

The following statistical tools with their corresponding formulas will be utilized in order to give a clearer meaning to the gathered data regarding the behavior of students and the online career counseling system.

The researcher used the frequency, percentage, mean and standard deviation as statistical tools for the overall average of the students' responses to the given questions.

For the demographic profile of the respondents, Frequency and Percentage Distribution were used.

Mean & Standard Deviation. It was used to know the arithmetic average of a set of values, variations or distribution of data for the status of student's behavior and level to an online career counseling system.

Pearson R. This treatment was used to determine whether there is any significant relationship among the variables of the study.

3. RESULTS AND DISCUSSION

This section presents the analysis and interpretation of the results of the researcher's survey findings. This section also aims to answer the objectives as a basis for evaluation of the student's behavior and online career counseling system. The researcher used via Google Forms online distributed survey questionnaires the Grades 11 and 12 of South City Homes Academy and Angels in Heaven Academy.

1. Status of student's behavior with regards to
    1.1.   preference;
    1.2.   commitment;
    1.3.   interest and
    1.4.   determination?

Table 1. Status of Students' Behavior with Regards to Preference

	Mean	SD	Remark
Online career counseling *system…*			
…should be done on a one-on-one basis.	3.94	0.83	Agree
…should be facilitated by the teacher.	4.16	0.69	Agree
…could be conducted with the support of their parents.	3.84	0.89	Agree
…could be done together with close friends.	3.94	0.83	Agree
…preferably assists us in the career decision-making process.	3.76	0.81	Agree

Overall Mean - 3.93

Standard Deviation - 0.81
Verbal Interpretation – High

To a high interpretation for online career counseling should be facilitated by the teacher (M = 4.16, SD = 0.69) Although also observed to a high interpretation, the item with the lowest rating was the one that preferably assists us in the career decision - making (M = 3.76, SD = 0.81).

The overall mean of 3.93, standard deviation of 0.81, indicate the level of student's behavior with regards to preference have a remark of agree and verbally interpreted as high as the findings evidently reveal.

Table 2. Status of students' behavior with regards to Commitment:

An Online career counseling system…	Mean	SD	Remark
…is used during the scheduled time	4.08	0.68	Agree
…is used according to the needs of the clients/students.	4.22	0.70	Strongly Agree
…would be used as the demands arise.	4.08	0.68	Agree
…is used depending upon the allotted time given to the clients/students.	4.03	0.74	Agree
…would be used anytime during the day.	4.03	0.74	Agree

Overall Mean - 4.09

Standard Deviation - 0.71

Verbal Interpretation – High

To a very high interpretation, an online career counseling system is used according to the needs of the clients/students with (M = 4.22, SD = 0.70) and an online career counseling system Although also observed to a high interpretation, the item with the lowest rating were an online career counseling system is used depending upon the allotted time given to the clients/students. (M = 4.03, SD = 0.74) and an online career counseling system would be used during the day.

The overall mean of 4.09, standard deviation of 0.71, indicates the level of students' behavior with regards to commitment to have a remark of agree and verbally interpreted as high.

Table 3. Level of students' behavior with regards to Interest

The online career counseling system …	Mean	SD	Remark
…concerns my abilities & skills.	4.25	0.68	Strongly Agree
…helps me to clarify my career choice.	4.31	0.71	Strongly Agree
…supports me in the career decision – making	4.22	0.73	Strongly Agree
…assists me to discern the aptitude that would fit my career choice.	4.18	0.71	Agree
…guides me to what would be the possible jobs based on my skills, abilities and interest	4.29	0.75	Strongly Agree

Overall Mean = 4.24

Standard Deviation = 0.60

Verbal Interpretation = Very High

To a very high interpretation, the online career counseling system helps me to clarify my career choice. with (M = 4.31, SD = 0.71) and the online career counseling system guides me to what would be the possible jobs based on my skills, abilities and interest (M = 4.39, SD = 0.75). Although also observed to a high interpretation, the item with the lowest rating was the online career counseling system that assists the researcher to discern the aptitude that would fit my career choice. with (M = 4.18, SD = 0.71).

The overall mean of 4.24, standard deviation of 0.60, indicates the Level of student's behavior with regards to interest has a remark of strongly agree and verbally interpreted as very high.

Table 4. Level of students' behavior with regards to Determination

The online career counseling system …	Mean	SD	Remark
…makes me determined to pursue my career aspirations.	4.14	0.7	Agree
…recognizes the characteristics needed for my future career	4.24	0.71	Strongly Agree
…helps me to fully understand my career objectives.	4.24	0.74	Strongly Agree
…provides me with the knowledge on how to reach my target goals in life.	4.25	0.73	Strongly Agree

	Mean	SD	Remark
assists me to identify my future role in the workplace.	4.16	0.95	Agree

Overall Mean = 4.21

Standard Deviation = 0.54

Verbal Interpretation = Very High

To a very high interpretation, the online career counseling system provides me with the knowledge on how to reach my target goals in life (M = 4.25, SD = 0.56) and recognizes the characteristics needed for my future career with (M = 4.24, SD = 0.71). Although as observed to a high interpretation, the item with the lowest rating was the online career counseling system that makes me determined to pursue my career aspiration. with (M = 4.14, SD = 0.7).\The overall mean of 4.21, standard deviation of 0.54, indicates the level of student's behavior with regards to determination to have a remark of strongly agree and verbally interpreted as very high.

2 Level of online career counseling system relative to
    1.5.   availability;
    1.6.   accessibility;
    1.7.   reliability;
    1.8.   convenience and
    1.9.   engagement?

Table 5. Level of Online Career Counselling System Relative to Availability

Online career counseling system…	Mean	SD	Remark
manage my schedule with the online career counseling system effectively and can easily complete the session on time.	3.88	0.71	Agree
find it easy to set my other activities in an online career counseling session.	3.69	0.74	Agree
ask my career counselor and receive a quick response concerning online activities outside the online career counseling system interface.	3.70	0.73	Agree
find it easy to set my other activities in an online career counseling session.	3.69	0.74	Agree
can multitask like attend online career counseling and do other tasks at the same time.	3.35	0.95	Uncertain

Overall Mean = 3.66

Standard Deviation = 0.77

Verbal Interpretation = Very High

To a high interpretation, I manage my schedule with the online career counseling system effectively with (M = 3.88, SD = 0.71) and I ask my career counselor and receive a quick response concerning online activities outside the online career counseling system interface. (M = 3.7, SD = 0.73) and find it easy to set my other activities in an online counseling session with (M = 3.69, SD = 0.74). Although observed to be a moderate/neutral interpretation, the item with the lowest rating was that I can multitask like attending online career counseling and do other tasks at the same time (M = 3.35, SD = 0.95).

The overall mean of 3.66, standard deviation of 0.58, indicate the level of online career counseling system relative to availability have a remark of agree and verbally interpreted as high.

Table 6. Level of Online Career Counselling System Relative to Accessibility

	Mean	SD	Remark

	Mean	SD	Remark
I can easily access the Internet (email, social media, etc.) as needed for online career counseling.	4.15	0.79	Agree
I finish the program independently.	3.84	0.71	Agree
finish the program with an assistance	3.72	0.81	Agree
I install application in my gadgets suited to IOS and Android) operating systems	3.95	0.82	Agree
I access the career counseling system via SMS (text) or calls	3.58	0.91	Agree

Overall Mean = 3.85

Standard Deviation = 0.53

Verbal Interpretation = High

To a high interpretation, I can easily access the Internet (email, social media, etc.) as needed for online career counseling. with (M = 4.15, SD = 0.79) and I install application in my gadgets suited to IOS and Android) operating systems (M = 3.95, SD = 0.82) and find it easy to set my other activities in an online counseling session with (M = 3.95, SD = 0.82). Although also observed to a high interpretation, the item with the lowest rating was access to the career counseling system via SMS (text) or calls (M = 3.58, SD = 0.91).

The overall mean of 3.85, standard deviation of 0.53, indicates the level of online career counseling system relative to accessibility have a remark of agree and verbally interpreted as high.

Table 7. Level of Online Career Counselling System Relative to Reliability

	Mean	SD	Remark
My experience in online career counseling helps me in choosing my course in college.	3.93	0.74	Agree
My educational background & computer literacy are beneficial in accessing the online career counseling system.	4.05	0.75	Agree
It is more motivating than a face-to-face session due to hesitancy.	3.37	1.03	Neutral
Being accustomed to using the online career counseling system made me technically equipped.	3.7	0.73	Agree
Consultation is similar with face-to-face counseling that helps in career decision making	3.76	0.81	Agree

Overall Mean = 3.76

Standard Deviation = 0.6

Verbal Interpretation = High

To a high interpretation, my educational background and computer literacy are beneficial in accessing the online career counseling system. with (M = 4.05, SD = 0.75) and my experience in online career counseling helps me in choosing my course in college with (M = 3.93, SD = 0.74) and consultation is similar with face-to-face counseling that helps in career decision making (M = 3.76, SD = 0.81). Although observed to be a neutral/moderate interpretation, the item with the lowest rating was more motivating than a face-to-face session due to hesitancy (M = 3.37, SD = 1.03).

The overall mean of 3.76, standard deviation of 0.6, indicates the level of online career counseling system relative to accessibility have a remark of agree and verbally interpreted as high.

Table 8. Level of Online Career Counselling System Relative to Convenience

	Mean	SD	Remark
I am comfortable communicating electronically.	3.79	0.91	Agree
I believe that a complete program can be conducted online without any difficulty.	3.46	0.93	Agree
I possess sufficient computer skills for an online career counseling system	3.81	0.71	Agree
I feel comfortable composing text on the computer in an online career counseling system platform.	3.78	0.78	Agree
I am comfortable joining online career counseling at my preferred place or space.	3.79	0.83	Agree

Overall Mean = 3.73
Standard Deviation = 0.63
Verbal Interpretation = High

To a high interpretation, I possess sufficient computer skills for an online career counseling system with (M = 3.81, SD = 0.71) and I am comfortable communicating electronically. with (M = 3.79, SD = 0.91) and I am comfortable joining online career counseling at my preferred place or space. (M = 3.79, SD = 0.83). Although also observed to be a high interpretation, the item with the lowest rating was believed that a complete program can be conducted online without any difficulty (M = 3.46, SD = 0.93).

The overall mean of 3.73, standard deviation of 0.63, indicates the level of online career counseling system relative to convenience have a remark of agree and verbally interpreted as high.

Table 9. Level of Online Career Counseling System Relative to Engagement

	Mean	SD	Remark
I enjoy one-on-one online career counseling	3.58	0.82	Agree
I appreciate the online career counseling with other students in groups.	3.86	0.77	Agree
I like a lot of interaction using the online career counseling system	3.67	0.82	Agree
I am willing to actively communicate with my career counselor virtually.	3.83	0.79	Agree
I ask questions with other students during the session in online career guidance counseling.	3.59	0.84	Agree

Overall Mean = 3.71
Standard Deviation = 0.62
Verbal Interpretation = High

To a high interpretation, I appreciate the online career counseling with other students in groups with (M = 3.86, SD = 0.77) and I am willing to actively communicate with my career counselor virtually (M = 3.83, SD = 0.79) and I like a lot of interaction using the online career counseling system (M = 3.67, SD = 0.83). Although also observed to be a high interpretation, the item with the lowest rating was I enjoy one-on-one online career counseling (M = 3.58, SD = 0.82).

The overall mean of 3.71, standard deviation of 0.62, indicates the level of online career counseling system relative to engagement has a remark of agree and verbally interpreted as high.

3.Significant relationship between the behavior and the Online Career Counseling System of the Senior High School students?

Table 10. Significant Relationship between the SHS Students'
Behavior and Online Career Counseling System with
Regards to Availability

Student's Behavior	r	Int.	p	Analysis
Preference	0.345	Weak	< 0.000	Significant
Commitment	0.328	Weak	< 0.000	Significant
Interest	0.452	Medium	< 0.000	Significant
Determination	0.464	Medium	< 0.000	Significant

Note:

Coefficient Interval	Correlation
0.00 - 0.199	Very Weak
0.20 - 0.399	Weak
0.40 - 0.599	Medium
0.60 - 0.799	Strong
0.80 - 1.00	Very Strong

Table 10 shows the significant relationship between Senior High School Students' behavior and online career counseling system from South City Homes Academy and Angels in Heaven School with regards Availability.

The Availability for preference has (r=0.345, p= <0.000) and commitment has (r=.328, p=0.000) were significant at probability level. This means that the Online Career Counseling System with Regards to Availability has a weak correlation to the student's behavior in terms of preference and commitment. While the interest has (r=0.452, p=<0.000) and determination has (r=0.464, p=<0.000) are also significant at probability level. This means that the Online Career Counseling System with Regards to Availability has a medium correlation to the student's behavior in terms of interest and determination.

Table 11. Significant Relationship between the SHS Students'
Behavior and Online Career Counseling System with
Regards to Accessibility

Student's Behavior	r	Int.	p	Analysis
Preference	0.345	Weak	< 0.000	Significant
Commitment	0.328	Weak	< 0.000	Significant
Interest	0.452	Medium	< 0.000	Significant
Determination	0.464	Medium	< 0.000	Significant

Note:

Coefficient Interval	Correlation
0.00 - 0.199	Very Weak
0.20 - 0.399	Weak
0.40 - 0.599	Medium
0.60 - 0.799	Strong
0.80 - 1.00	Very Strong

Table 11 shows the significant relationship between Senior High School Students' behavior and online career counseling system from South City Homes Academy and Angels in Heaven School with regards to Accessibility.

The Accessibility for preference has (r=0.345, p= <0.000) and commitment has (r=.320, p=<0.000) were significant at probability level. This means that the Online Career Counseling System with Regards to Accessibility has a weak correlation to the student's behavior in terms of preference and commitment. While the interest has (r=0.452, p=0.000) and determination has (r=0.464, p=0.000) are also significant at probability level. This means that the Online Career Counseling System with Regards to Accessibility has a medium correlation to the student's behavior in terms of interest and determination.

**Table 12. Significant Relationship between the SHS Students'
Behavior and Online Career Counseling System with
Regards to Reliability**

Student's Behavior	r	Int.	p	Analysis
Preference	0.287	Weak	< 0.000	Significant
Commitment	0.238	Weak	< 0.000	Significant
Interest	0.484	Medium	< 0.000	Significant
Determination	0.522	Medium	< 0.000	Significant

Note:

Coefficient Interval	Correlation
0.00 - 0.199	Very Weak
0.20 - 0.399	Weak
0.40 - 0.599	Medium
0.60 - 0.799	Strong
0.80 - 1.00	Very Strong

Table 12 shows the significant relationship between Senior High School Students' behavior and online career counseling system from South City Homes Academy and Angels in Heaven School with regards to Reliability.

The Reliability for preference has (r=0.287, p= <0.000) and commitment has (r=.238, p=<0.000) were significant at probability level. This means that the Online Career Counseling System with Regards to Reliability has a weak correlation to the student's behavior in terms of preference and commitment. While the interest has (r=0.484, p=0.000) and determination has (r=0.522, p=0.000) are also significant at probability level. This means that the Online Career Counseling System with Regards to Reliability has a medium correlation to the student's behavior in terms of interest and determination.

**Table 13. Significant Relationship between the SHS Students'
Behavior and Online Career Counseling System with
Regards to Convenience**

Student's Behavior	r	Int.	p	Analysis
Preference	0.291	Weak	< 0.000	Significant
Commitment	0.265	Weak	< 0.000	Significant
Interest	0.428	Medium	< 0.000	Significant
Determination	0.422	Medium	< 0.000	Significant

Note:

Coefficient Interval	Correlation
0.00 - 0.199	Very Weak
0.20 - 0.399	Weak
0.40 - 0.599	Medium
0.60 - 0.799	Strong
0.80 - 1.00	Very Strong

Table 13 shows the significant relationship between Senior High School Students' behavior and online career counseling system from South City Homes Academy and Angels in Heaven School with regards to Convenience.

The Convenience for preference has (r=0.291, p= <0.000) and commitment has (r=.265, p=<0.000) were significant at probability level. This means that the Online Career Counseling System with Regards to Convenience has a weak correlation to the student's behavior in terms of preference and commitment. While the interest has (r=0.428, p=0.000) and determination has (r=0.422, p=0.000) are also significant at probability level. This means that the Online Career Counseling System with Regards to Convenience has a medium correlation to the student's behavior in terms of interest and determination.

Table 14. Significant Relationship between the SHS Students'
Behavior and Online Career Counseling System with
Regards to Engagement

Students Behavior	r	Int.	p	Analysis
Preference	0.239	Weak	< 0.000	Significant
Commitment	0.248	Weak	< 0.000	Significant
Interest	0.449	Medium	< 0.000	Significant
Determination	0.488	Medium	< 0.000	Significant

Note:

Coefficient Interval	**Correlation**
0.00 - 0.199	Very Weak
0.20 - 0.399	Weak
0.40 - 0.599	Medium
0.60 - 0.799	Strong
0.80 - 1.00	Very Strong

Table 14 shows the significant relationship between Senior High School Students' behavior and online career counseling system from South City Homes Academy and Angels in Heaven School with regards to Engagement.

The Engagement for preference has (r=0.239, p= <0.000) and commitment has (r=.248, p=<0.000) were significant at probability level. This means that the Online Career Counseling System with Regards to Engagement has a weak correlation to the student's behavior in terms of preference and commitment. While the interest has (r=0.449, p=<0.000) and determination has (r=0.488, p=<0.000) are also significant at probability level. This means that the Online Career Counseling System with Regards to Engagement has a medium correlation to the student's behavior in terms of interest and determination.

4. CONCLUSION AND RECOMMENDATIO

Based on the data, it is shown that there is "a relationship student's behavior and online career counseling system among senior high school students of South City Homes Academy and Angels in Heaven School" at <0.000 level of significance. It shows that the null hypothesis stating that "a relationship student's behavior and online career counseling system among senior high school students of South City Homes Academy and Angels in Heaven School" is rejected, it can assume that there is a "significant" relationship between the two. Based on the findings and conclusions, the following recommendations were made: 1) The behavior of the students, such as their preference, commitment, interest and determination may be given the utmost importance to the career counseling system for their career decision-making.2) Students may be positively motivated to utilize modern technology, specifically the internet, smartphones, tablets and computers, in career counseling.3.) Guidance counselors may be technically well equipped on various platforms like social media and digital devices for career counseling. 4.) Orientation may be done to discuss before conducting the online career counseling system for the parents and students as well as for the teachers. 5) Parents should inform their child's preference in using the online career counseling system. 6.) The administrator may improve their student's services in guidance counseling particularly in online career counseling programs in assisting students with problems in their career decision-making and other behavioral problems. 7.) Future researchers may conduct relevant studies about the behavior of the students regarding online career counseling.

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