



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT



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**Awareness and Acceptability of Vision and Mission of the Polytechnic
University of the Philippines,
Goals of College of Engineering and Objectives of the
Computer Engineering Department A.Y. 2018-2019**



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The Problem and Its Setting

Introduction

The vision, mission, goals and objectives serve as the foundation of an educational institution. All activities of the programs are cascaded towards its VMGO. In the Philippines, the primary role of higher education institutions is to gear the students to be competent builders of knowledge all throughout the time. Accreditation is the way of measuring the performance of the institution. The Accrediting Agency for Chartered Colleges and Universities in the Philippines (AACCCUP Master Survey Instrument, 2010) explain that in accreditation process, the area of VMGO is the most fundamental of all the ten (10) areas to be surveyed because it serves as bases of the PUP's operation of program. A university is judged by the degree to which its VMGO are obtained and determined by the extent of the realization of the VMGO by its constituents.

According to Pelicano and Lacaba (2018), the vision and mission are statements on the long-term view of the institution of itself and of the world within which it operates. Further, the goals are the aims at the hierarchical structure, i.e., the academic college. Goal-setting commonly includes establishing a specific, measurable, attainable and time-bound objectives that are aim at the level of the program. It further suggests that it can serve as an effective tool for making progress by ensuring that participants have a clear awareness of objective they must achieve.

Robbins, Coulter, and Stuart-Kotze (2003) account that the Vision, Mission, Goals, and Objectives (VMGO) statements are the fundamental guides for the future of a constitution and its academic programs. The VMGO



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define collective efforts and align the whole organization towards the accomplishment of programs and activities. These statements serve as anchors or frameworks for the University's strategic and operational planning and actions. It provides the impression, character, and direction of its operations (Palicano and Lacaba, 2010). The Polytechnic University of the Philippines is guided by its vision, mission, goals and objectives as it pursues a path in transmitting its mandated functions.

The effectiveness of the VMGO lies in its structure and dissemination. The problem of achieving organizational success is sharing the vision, mission, goals, and objectives with the members of the organization as it becomes a step forward to blending individual efforts with those organization's targets. In order to attain this, the constituents of an educational institution have to be aware of its VMGO and fully comprehend the implication of such.

The aim of this study is to assess the awareness and acceptance of the Vision, Mission, Goals, and Objectives of the PUP – Computer Engineering Program to the students, parents, faculty, alumni, industry partners and administration staff as they will comply with the rules and policies of the university, strive for academic excellence, and participate actively in school activities among others.

Statement of the problem

This study aims to assess the level of awareness and acceptability of Vision and Mission of the Polytechnic University of the Philippines, Goals of College of Engineering and Objectives of Computer Engineering. Specifically, the researchers aim to answer the following:

1. What is the profile of the respondents in terms of:

1.1. Sex:



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1.2. Age:

1.3 Stakeholder

2. How do the respondents assess the level of awareness in terms of:

2.1 PUP Vision;

2.3 PUP Mission;

2.2. College of Engineering Goals;

2.4. Computer Engineering Objectives?

3. How do the respondents assess the level of acceptability in terms of:

3.1 PUP Vision;

3.2 PUP Mission;

3.3. College of Engineering Goals;

3.4. Computer Engineering Objectives?

4. Is there a significant difference on the respondent's level of awareness and acceptability to the PUP Vision and PUP Mission, College of Engineering Goals and Computer Engineering Objectives?

5. What action plan can be proposed to imbibe the PUP VMGO?

Hypothesis:

There is no significant difference on the respondent's level of awareness and acceptability of the PUP Vision and PUP Mission, College of Engineering Goals and Computer Engineering Objectives.

Scope and limitation of the study

This study focuses on assessing the level of awareness and acceptability of the Vision, Mission, Goals and Objectives of the Polytechnic University of the Philippines to different types of stakeholder.



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Data will be limited to those generated by the following: Students and Alumni, and Faculty of the Computer Engineering, Parents/Guardian of the students of the program, Industry Partners and Admin Staff.

The main source of data will be coming from the survey questionnaires. The statistical procedures will be confined to frequency and percentage distributions, graphical data presentations, arithmetic mean, and the weighted arithmetic mean.

This research was conducted last November 2017 to October 2018.

Methodology

Method of Research

A descriptive method was used in this study to gain an insight of the stakeholders' awareness and acceptability to the Vision, Mission, Goals and Objectives of the Computer Engineering program.

Population, Sampling Size and Sampling Techniques

Cooper and Schindler (2008) describe a population as the total collection of elements whereby references have to be made. The target population of the study defined to include the stakeholders congruent to the Computer Engineering. The researchers obtained the population of each type of stakeholder on the PUP Official Website. The average population of the stakeholders is 212.

The Cochran's Formula will be used to determine the minimum sample size of the respondents for the study.

The formula was expressed as:

$$n_0 = \frac{Z^2 pq}{e^2}$$



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Whereas:

n_s = sample size

Z = the selected critical value of desired confidence level

p = the (estimated) proportion of the population

$q = 1 - p$ (equals the desired confidence level, e.g., 95%)

e = the desired level of precision (i.e. the margin of error)

Supposing the population size (N) is known and the sample size calculated (n_s) is greater than 5% of N , that is $n_s > N \times 0.05$, then the researcher will resort to use Cochran's correction formula below:

$$N = \frac{n_s}{1 + \frac{(n_s - 1)}{N}}$$

Thus,

$$Z = 1.96$$

$$p = 50\% \text{ or } 0.50$$

$$q = 1 - 0.5 = 0.5$$

$$e = 5\% = 0.05$$

Substituting the known values on the first equation,

$$n_s = \frac{(1.96)^2(0.5)(0.5)}{(0.05)^2}$$

$$n_s = 384.16 = 384 \text{ Stakeholders}$$

Substituting the population size 493 and sample size of 384.16 on the

$$n_s > N \times 0.05,$$

$$384.16 > 24.65$$

$$384.16 > 10.5$$

Since the sample size is greater than the 5% of population size, the researcher will resort to using the Cochran's correction formula.



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$$N = \frac{N_0}{1 + \frac{(N_0 - 1)}{K}}$$

$$N = \frac{284}{1 + \frac{(284 - 1)}{212}}$$

$$N = 137.375 \approx 137 \text{ Respondents}$$

A total of 137 stakeholders stood as the sample population which resulted from the Cochran's formula. Purposive sampling technique will be used for selecting the participants in this study.

Research Instrument

The instrument for data collection was a research-developed instrument. The respondents' determined level of awareness and acceptability on the vision, mission, goals and objectives were interpreted using the 5-point Likert Scale.

Statistical Treatment of Data

The analysis and interpretation of the gathered data from the survey questionnaires will be treated statistically. The following statistical treatment were used in the study:

1. WEIGHTED MEAN

The formula for weighted mean is:

$$\bar{x} = \frac{\sum f_i x_i}{n}$$

2. PERCENTAGE

For the Frequency Data, percentage were computed and analyzed using the formula described as follows:

$$\text{Percentage \%} = FN \cdot 100$$



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$$N = \frac{n_0}{1 + \frac{(n_0 - 1)}{N}}$$

$$N = \frac{384}{1 + \frac{(384 - 1)}{212}}$$

$$N = 137.175 \approx 137 \text{ Respondents}$$

A total of 137 stakeholders stood as the sample population which resulted from the Cochran's formula. Purposive sampling technique will be used for selecting the participants in this study.

Research Instrument

The instrument for data collection was a research-developed instrument. The respondents determined level of awareness and acceptability on the vision, mission, goals and objectives were interpreted using the 5-point Likert Scale.

Statistical Treatment of Data

The analysis and interpretation of the gathered data from the survey questionnaires will be treated statistically. The following statistical treatment were used in the study:

1. WEIGHTED MEAN

The formula for weighted mean is:

$$\bar{x} = \frac{\sum Fw}{n}$$

2. PERCENTAGE

For the Frequency Data, percentage were computed and analyzes using the formula described as follows:

$$\text{Percentage \%} = F/N * 100$$



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Mission, College of Engineering Goals and Computer Engineering Department Objectives.

The study employed descriptive method research in determining the level of awareness and acceptability of the vision, mission, goals and objectives of the Computer Engineering Department. From the stakeholders, 137 were taken as respondents, which were categorized as students, faculty, parents/guardians, alumni, industry partners and admin staff.

Figure 1

Total Number of Stakeholders

Stakeholder



The chart shows that 78.2% of the total number of stakeholders are students, 12.8% are alumni, 6.8% are parents/guardian and 2.3% are faculty.

Table 1

Level of Awareness and Acceptance of the VMGO

Age Level	Awareness	Acceptance
20 Yrs. old and below	4.55	4.47
21 Yrs. old - 25 Yrs. old	4.52	4.65
26 Yrs. old - 30 Yrs. old	4.34	4.56
31 Yrs. old and above	4.46	4.62
Total Average	4.47	4.52



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Table 1 shows that the respondents with the age of 31 years old and above are aware with high acceptability of the VMGO of the Computer Engineering Department, while respondents with the age of 20 years old and below – 30 years old are fully aware with high acceptability of the VMGO. In general, the respondents revealed full awareness and high acceptability of the VMGO.

V. Conclusions and Recommendations

- a. The program should further elucidate on the components of the vision, mission, goals and objectives. This can be done by faculty members in the classrooms or through publication of officials' expositions in the student newspaper.
- b. Comments and suggestion from the stakeholders should be taken into account whenever attainable.
- c. The programs, project and policies of the college administration should be geared towards the realization of the PUP vision, PUP mission, College of Engineering goals and Computer Engineering Department objectives. A periodic assessment of the department's annual work plan must be done to determine the degree success.