# Teaching Strategies and Program Learning Outcomes for the Bachelor of Elementary Education in a State University

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Abstract— This study would like to determine if the different teaching strategies will have a relationship with the Bachelor of Elementary Education Students Learning Outcome. The study used a descriptive survey design of research. According to Aggarwal (2008), descriptive research is devoted to gathering information about prevailing conditions or situations for description and interpretation. Data were analyzed using the IBM SPSS Statistics 2.0. It was found out that the instructors at a State University frequently used different teaching strategies effectively. BEED students are much aware of the program's learning outcomes and program performance indicators. However, it seems that instructors are using traditional teaching strategies more often it must imply for the instructors to use modern technology. Because of the findings and conclusions, the researcher recommends that a.) Although the instructors frequently used different teaching strategies effectively, instructors can use a combination of traditional and modern teaching strategies to address students' varying learning styles and academics as well as to make the learning environment dynamic and motivational for students. The teacher education program profession may explore implementing hybrid designs of learning, b.) The State University should be student-centered rather than teacher-centered, in that way it describes what the students will do, not what the instructor will teach, c.) The University should allow teachers and administrators to focus on the balance between the content across curricula. It allows them to look into each classroom and see what children learn and helps them gather data on redundancies or gaps in the course content, and d.) Training design is never considered to be done, there is always ongoing development seeking to improve student learning and content quality across schools, therefore instructors should continuously assess and may revise to ensure students get the most out of their education, and for instructors to use the most effective strategies in their

Keywords— Program learning outcome, teaching strategies, training design

## I. Introduction

Teachers across the country are working hard to equip children with the skills needed for success in 21st century world. In addition to instilling in students the flexibility to readily adapt to changing technologies,

teachers must foster learning environments that encourage critical thinking, creativity, problem-solving, communication, collaboration, global awareness, and social responsibility. Listed below the six strategies: early childhood teachers are currently using in classrooms to prepare kids for the boundless future ahead.

There are six (6) strategies Six Strategies for 21st -Century Early Childhood Teachers: 1) Integrated Technology - Integrating technology means tapping into students' interests and strengthening their technical skills, all while providing enriching learning opportunities; (2) Cooperative Learning Structures - teacher-centered instruction has had its day [7]. Effective teachers are a student-centered approach. increasingly using Cooperative learning sparks engagement in classrooms by encouraging interaction among the students themselves; (3) differentiated instruction - teachers can tailor learning experiences to differentiate among the individual needs of students in the classroom. There are three main learning styles: visual, auditory, and kinesthetic; (4) Goal Setting: Involving children in the goal: the setting process is an excellent way to encourage them to take ownership of their learning. In the early stages, goal setting needs to be done in a very clear and simplistic way; (5) Cross-Curriculum Teaching - In contrast to the traditional teaching of subjects in isolation, teaching multiple subjects simultaneously can help students go much deeper in learning concepts and skills. Naturally, this approach asks more from the teacher; and (6) Assessment for Learning - Assessment for Learning, or Formative Assessment- is a data-gathering process used by teachers to help them customize instruction to match students' needs. Summative assessments do not always give a clear picture of what a student knows. Applying these teaching strategies appropriately requires well-trusted means of knowledge that are needed and here the teacher's role appears [6].

Teachers are the most important ingredients in quality education. Although this is deeply ingrained in the policy debate, policymakers need to identify what goes into high-quality teaching to take action to improve policies, teacher training, and professional development programs for teachers to improve the achievement of all students.

This study focused on the students in Bachelor of Elementary Education of PRMSU – Castillejos Campus for the Academic Year 2020 – 2021. The study covered thirty-three (33) BEEd I and twenty-two (22) BEEd II students. To generate the needed data for the study, the researcher made use of an adapted questionnaire checklist supported with document CMO No. 74, s. 2007.

This study is an important attempt because it deals with an important issue, which is teaching strategies and program learning outcomes. It is also important because it gives useful information about the relationship between teaching strategies and program learning outcomes for the lecturers, so they can consider the study results when preparing for their teaching and learning among BEED students.

# Statement of the Problem

This study aimed to determine if the different teaching strategies will have a relationship with the Bachelor of Elementary Education Students Learning Outcome.

Moreover, this study would like to answer the following questions:

- 1. What is the extent of use and perceived level of effectiveness of the teaching strategies as means of curriculum delivery by the instructors in a state university?
- 2. How may the level of awareness of BEED students on program learning outcomes (PLO) be described?
- 3. How may the level of awareness of BEED students on the program performance indicators be described?
- 4. How may the findings of this study be used to come up with the BEED Training Design?

### II. MATERIALS AND METHODS

# Research Design

This study used descriptive survey methods of research. [1] that descriptive research is devoted to the gathering of information about prevailing conditions or situations for description and interpretation. Its purpose was to collect factual information that described the

different teaching strategies of the CTE instructors of PRMSU - Castillejos Campuses. It also identified the level of Learning Outcomes of CTE Students of PRMSU – Castillejos Campus.

# Respondents

This study covered the student of the Bachelor of Elementary Education of President Ramon Magsaysay State University (PRMSU) — Castillejos Campus. Table I shows the total number of respondents for the study.

TABLE I TOTAL NUMBER OF RESPONDENTS

Course	Total Number of	Percentage
Course	Respondents (f)	(%)
BEEd I	33	60%
BEEd II	22	40%
TOTAL	55	100%

#### Instrument

The questionnaire used for this study was adopted from the study entitles "Education Teacher's Perceptions of the Methods, Techniques, and Tools Used, and Perceived to be Effective" [8]. The instrument is composed of three parts.

*Part I* of the questionnaire is to determine the extent of use and level of effectiveness of different teaching strategies as a means of curriculum delivery by instructors.

Parts II and III of the questionnaires were lifted from CHED Memorandum Order No. 74, s. 2017 to measure the level of awareness on the Program Learning Outcomes and Program Performance Indicators.

The contents of the research instrument were validated by experts in the field of education from various higher education institutions.

The researcher presented the instrument to the research coordinator of President Ramon Magsaysay State University, Castillejos Campus, and the researcher's thesis adviser for the validation and approval of the instrument.

## Data Gathering and Treatment of Data

The researcher will seek permission from the University President of President Ramon Magsaysay State University (PRMSU) through the Campus Director to conduct the study in the PRMSU – Castillejos Campus. Since permission has been granted, the floating of

questionnaires to the respondents by the program has been conducted and supervised by the program chairperson. The questionnaires have been retrieved by the researcher proceeded with data recording, coding, analysis, and interpretation of the gathered data.

Data were analyzed using the IBM SPSS Statistics 2.0. The statistical procedures that were used in the analysis and interpretation of data in this study include the following:

Frequency and Percentage. This was employed to determine the frequency counts and percentage distribution of the respondents.

Weighted/ Arithmetic Mean. This was utilized to determine the average of the extent of use and effectiveness of different teaching strategies used by instructors in the university as well as the respondents' level of awareness of Program Learning Outcome and Program Performance Indicators. The formula is as follows:

$$\bar{x} = \frac{\sum_{i=1}^{n} (x_i * w_i)}{\sum_{i=1}^{n} w_i}$$

 $\Sigma$  = the summation

w = the weights

x =the value

Shown below are the scale and verbal interpretation of the extent of use, the effectiveness of different teaching strategies, level of awareness on Program Learning Outcomes, and Program Performance Indicators.

TABLE II VERBAL INTERPRETATION OF LEVEL OF USAGE OF TEACHING STRATEGIES

Level of Usage	Verbal Interpretation
4.20-5.00	Heavily Used
3.40-4.19	Frequently Used
2.60-3.39	Sometimes Used
1.80-2.59	Rarely Used
1.00-1.79	Not Used

TABLE III VERBAL INTERPRETATION OF LEVEL OF EFFECTIVENESS OF TEACHING STRATEGIES

Level of Effectiveness	Verbal Interpretation
4.20-5.00	Very effective
3.40-4.19	Effective
2.60-3.39	Somewhat Effective
1.80-2.59	Of Little Effective
1.00-1.79	Not Effective

TABLE IV VERBAL INTERPRETATION OF PROGRAM LEARNING OUTCOMES (PLOS) AND PERFORMANCE INDICATORS

Level of Effectiveness	Verbal Interpretation
4.20-5.00	Very Much Aware (VMA)
3.40-4.19	Much Aware (MA)
2.60-3.39	Moderately Aware (MoA)
1.80-2.59	Aware (A)
1.00-1.79	Not Aware (NA)

#### III. RESULTS AND DISCUSSIONS

# 1. The extent of use and perceived level of effectiveness of the teaching strategies

The extent of use and perceived level of teaching strategies as a means of curriculum delivery by the instructors at a State University was determined. The extent of use and perceived level of teaching strategies as a means of curriculum delivery by the instructors in a State University is shown in Table V. The teaching strategies are frequently used as revealed by the mean of 3.59. As gleaned from the table, the teaching strategies are effective  $(\bar{x}=3.67)$ .

TABLE V THE EXTENT OF USE AND PERCEIVED LEVEL OF EFFECTIVENESS OF THE TEACHING STRATEGIES

Teaching Strategies	Exten t of Use	VI	Level of Effectivene ss	VI
Demonstratio ns	4.22	Heavily Used	4.24	Very Effective
Laboratories	2.24	Rarely Used	2.85	Somewhat Effective
Projects	3.67	Frequentl y Used	3.75	Effective
Lecture- Discussion	4.54	Heavily Used	4.36	Very Effective
Field Trips	1.69	Not Used	2.21	Of Little Effectivene ss
Video Taped	2.89	Sometime	2.96	Somewhat

Program		s Used		effective
Problem				
Solving	3.57	Frequentl	3.78	Effective
Approach	0.07	y Used	5.70	Zirotive
Chalk Board	3.51	Frequentl y Used	3.59	Effective
		Heavily		Very
Exams	4.74	Used	4.46	Effective
		Heavily		Very
Discussions	4.78	Used	4.56	Effective
Internet	3.67	Frequentl y Used	3.78	Effective
Overhead		Heavily		
	4.54		4.18	Effective
Projector		Used		
Slides	4.15	Frequentl y Used	3.96	Effective
Assignments	3.62	Frequentl	3.81	Effective
		y Used		9 1
Case Study	2.89	Sometime	3.22	Somewhat
		s Used		effective
Role Play	3.76	Frequentl y Used	3.89	Effective
т.,	4.45	Heavily	4.21	Very
Lecture	4.45	Used	4.31	Effective
		Frequentl		
Group Study	3.80	y Used	3.93	Effective
Pictures,		y esea		
, and the second second	3.49	Frequentl	3.40	Effective
Posters,	3.49	y Used	3.40	Effective
Newsletters		-		
Computer-		Sometime		Somewhat
Assisted	2.87	s Used	3.30	effective
Instructions		s Oscu		Circuive
Oral	4 1 1	Frequentl	2.06	ECC
Presentations	4.11	y Used	3.96	Effective
Individualized		Frequentl		
Instructions	4.00	y Used	3.84	Effective
nistructions		Sometime		Somewhat
Exhibits	2.69		2.69	effective
		s Used		
Contests	3.30	Sometime	3.31	Somewhat
		s Used		effective
Distance	2.87	Sometime	3.04	Somewhat
Programs	2.07	s Used	3.04	effective
Questioning	4.11	Frequentl y Used	4.04	Effective
Resource		Frequentl		1
Person	3.91	y Used	3.58	Effective
				Composites
Computer	2.78	Sometime	3.26	Somewhat
Software		s Used		effective
Using Real Object	3.65	Frequentl y Used	4.04	Effective
Tolorisis	2 21	Rarely	2.61	Somewhat
Television	2.31	Used	2.61	effective
		Frequentl		
Brainstorming	3.80	y Used	4.07	Effective
Supervised	<u> </u>	Frequentl		1
	3.69	_	3.69	Effective
Experience		y Used		ļ
Mentorship	3.48	Frequentl	3.82	Effective

Overall	3.59	Frequently Used	3.67	Effective
Cooperative Learning	4.24	Heavily Used	4.35	Very Effective
		v Used		

 Legend:
 1.00-1.79
 (Not Used);
 1.80-2.59
 (Rarely Used);
 2.60-3.39

 (Sometimes Used);
 3.40-4.19
 (Frequently Used);
 4.20-5.00
 (Heavily Used)

 Used)
 Legend:
 1.00-1.79
 (Not Effective);
 1.80-2.59
 (Of Little Effectiveness);

 Effectiveness);
 2.60-3.39
 (Somewhat Effective);
 3.40-4.19
 (Effective);

 4.20-5.00
 (Very Effective)

# 2. Level of Awareness of BEEd Students on the Program Learning Outcomes (PLO)

The minimum standards for the BEED degree program are expressed in the set of learning outcomes. As gleaned from Table VI, the respondents are much aware ( $\bar{x}$ =4.05) of the Program Learning Outcomes of the Teacher Education. The respondents are very much aware that the graduates of the BEED degree program must have broad and coherent knowledge and skills for professional work, lifelong learning, and independent and /or in teams of the related field with minimal supervision. Moreover, graduates of State Universities and Colleges (SUCs) must have the competencies to support national, regional, and local development plans (RA7722).

TABLE VI
LEVEL OF AWARENESS OF BEED STUDENTS ON
THE PROGRAM LEARNING OUTCOMES (PLO)

THE PROGRAM LEARNING OUTCOMES (PLO)				
Program Learning Outcomes	Level of	Verbal		
	Awareness	Interpretation		
1.Common to all programs in all	types of school	ol		
1.1. Articulate and discuss the				
latest developments in the	3.93	Much Aware		
specific field of practice.				
1.2 Effectively communicate in		Very Much		
English and Filipino, both orally	4.20	Aware		
and in writing		Aware		
1.3 Work effectively and				
collaboratively with a substantial				
degree of independence in multi-	3.96	Much Aware		
disciplinary and multi-cultural				
teams				
1.4 Act in recognition of				
professional, social, and ethical	4.07	Much Aware		
responsibility				
1.5 Preserve and promote				
"Filipino historical and cultural	3.91	Much Aware		
heritage" (based on RA 7722)				
Overall	4.01	Much Aware		
2. Common to the discipline (Tea	cher Educatio	on)		
2.1 Articulate the rootedness of				
education in philosophical, socio-				
cultural, historical,	4.00	Much Aware		
psychological, and political				
experts				

	1	1
2.2 Demonstrate mastery of	4.23	Very Much
subject matter/ discipline	4.23	Aware
2.3 Facilitate learning using a		
wide range of teaching		Very Much
methodologies and delivery	4.33	*
modes appropriate to specific		Aware
learners and their environments		
2.4 Develop innovative curricula,		
instructional plans, teaching		Very Much
approaches, and resources for	4.22	Aware
diverse learners		
2.5 Apply skills in the		
development and utilization of		
ICT to promote quality, relevant	3.75	Much Aware
and sustainable educational	3.73	Much Aware
practices		
*		
2.6 Demonstrate a variety of		
thinking skills in planning,	4.10	3.4
monitoring, assessing, and	4.18	Much Aware
reporting learning processes and		
outcomes		
2.7 Practice professional and		
ethical teaching standards	4.11	Much Aware
sensitive to the local, national,	7.11	Widen / Iware
and global realities		
2.8 Pursue lifelong learning for		
personal and professional growth	4.29	Very Much
through varied experiential and	4.23	Aware
field-based opportunities		
Overall	4.14	
Overall 3. Specific to the Bachelor of Elements 1988 (1988) (1988) (1988) 1988 (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (19	-	ation Program
3. Specific to the Bachelor of Elec	-	ation Program
3. Specific to the Bachelor of Electrical 3.1 Demonstrate an in-depth	-	ation Program  Much Aware
3. Specific to the Bachelor of Electrical 3.1 Demonstrate an in-depth understanding of the diversity of	mentary Educ	_
3. Specific to the Bachelor of Electrical 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas	mentary Educ	_
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and	4.05	Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical	mentary Educ	_
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the	4.05	Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas	4.05	Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate	4.05 3.76	Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools	4.05	Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes	4.05 3.76	Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in	4.05 3.76	Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas  3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas  3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes  3.4 Manifest skills in communication, higher-order	4.05 3.76 4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and	4.05 3.76	Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning	4.05 3.76 4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching	4.05 3.76 4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth	4.05  3.76  4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of	4.05 3.76 4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas  3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas  3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes  3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching  3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas	4.05  3.76  4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of	4.05  3.76  4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas  3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas  3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes  3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching  3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas	4.05  3.76  4.16  4.00	Much Aware  Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and	4.05  3.76  4.16	Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Electric 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical	4.05  3.76  4.16  4.00	Much Aware  Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Election 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas	4.05  3.76  4.16  4.00	Much Aware  Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Election 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the	4.05  3.76  4.16  4.00	Much Aware  Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Election 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools	4.05  3.76  4.16  4.00  4.05	Much Aware  Much Aware  Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Election 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes	4.05  3.76  4.16  4.00  4.05	Much Aware  Much Aware  Much Aware  Much Aware  Much Aware
3. Specific to the Bachelor of Election 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools to measure learning outcomes 3.4 Manifest skills in communication, higher-order thinking, and use of tools and technology to accelerate learning and teaching 3.1 Demonstrate an in-depth understanding of the diversity of learners in various learning areas 3.2 Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas 3.3 Utilize appropriate assessment and evaluation tools	4.05  3.76  4.16  4.00  4.05	Much Aware  Much Aware  Much Aware  Much Aware  Much Aware

General Weighted Mean	4.05	Much Aware
Overall	3.98	Much Aware
development projects		
in various research and		
new knowledge by participating	4.07	Much Aware
contribute to the generation of		
4.3 Graduates of universities		
communities they serve		
response to the needs of the		
discourses, particularly in		
development activities and public	4.02	Much Aware
employment and participate in		
qualified for various types of		
4.2 Graduates of colleges are		
professions		
orientation in their respective	3.84	Much Aware
institutions demonstrate service		
4.1 Graduates of professional		
defined in CMO 46, 2012	izoniai type o	institution us
4. Common to graduates of a hor		
Overall	4.08	Much Aware
professional development	7.07	Witten Aware
continuously pursue personal and	4.09	Much Aware
3.6 Manifest a desire to		
professional		Aware
attributes of a model teacher, both as an individual and as a	4.39	Very Much
3.5 Demonstrate positive		Manala
and teaching		
technology to accelerate learning		
thinking, and use of tools and		

Legend: 1.00-1.79 (Not Aware); 1.80-2.59 (Aware); 2.60-3.39 (Moderately Aware); 3.40-4.19 (Much Aware); 4.20-5.00 (Very Much Aware)

# **3.** Level of Awareness of BEEd Students on the Program Performance Indicators

Performance indicators are focused on the specific expectations of a program. It indicates what concrete actions the student should be able to perform as a result of participation in the program. As revealed from Table VII, the awareness level of the respondents on the Program Performance Indicators is much aware ( $\overline{x}$ = 4.016). It reflects a belief that the best way for individuals and organizations to get where they're going is first to determine where they are and where they want to be--then planned backward to determine the best way to get from here to there [3].

TABLE VII LEVEL OF AWARENESS OF BEED STUDENTS ON THE PROGRAM PERFORMANCE INDICATORS

Performance	Level of	Verbal			
Indicators					
	Awareness	Interpretation			
1.Demonstrate in-depth u learners in various learni		the diversity of			
1.1 Identify various	ng areas				
•					
types of learners and provide them with					
appropriate, culturally	4.05	Much Aware			
relevant learning	4.03	Much Aware			
activities and					
experiences.  1.2 Develop and utilize					
relevant materials that					
match the learners'	4.13	Much Aware			
	4.13	Much Aware			
learning styles, goals, and culture.					
1.3Select instructional					
strategies for the					
development of learners'	4.29	Very Much Aware			
critical and creative	4.47	very widen Aware			
thinking skills.  1.4 Utilize					
developmentally appropriate activities in	4.18	Much Aware			
	4.10	Much Aware			
teaching different					
learning areas.					
1.5 Utilize appropriate	4 15	M 1 A			
technologies to achieve	4.15	Much Aware			
learning outcomes.					
1.6 Apply theories of					
learning in designing	4.11	Much Aware			
learning-teaching					
experiences.  Overall	4.15	14 . I. A			
0,11	4.15	Much Aware			
_	2. Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the different subject areas.				
	) of the different :	subject areas.			
2.1 Explain subject					
matter content clearly,	4.16	Much Aware			
accurately, and					
comprehensively.					
2.2 Relate current	4.16	36.1.4			
content with past and	4.16	Much Aware			
future lessons.					
2.3 Integrate recent					
developments in	4.04	36.1.			
education and the	4.04	Much Aware			
specific field to enrich					
learning.					
2.4 Provide examples					
from real life to make	4.38	Very Much Aware			
learning meaningful.					
2.5 Utilize appropriate					
teaching-learning	4.13	Much Aware			
methods and technology					
for specific subject					

matter content.		
2.6 Keep abreast with		
educational issues,		
trends, and practices vis-		
a-vis local and global	3.96	Much Aware
context to provide	3.70	1714011 1 177410
relevant learning		
experiences		
Overall	4.14	Much Aware
0,0,40		
3. Utilize appropriate ass		uation tools to
measure learning outcom	les.	1
3.1 Design authentic		
assessment, evaluation		
instruments, and	4.02	Much Aware
alternative assessment		
tools.		
3.2 Interpret assessment		
results and use these to	4.11	Much Aware
improve learning and	7.11	Much Aware
teaching.		
3.3 Keep accurate and		
updated records of the		
learners' performance	4.02	26.1.4
using technology tools	4.02	Much Aware
where feasible and		
appropriate.		
3.4 Provide timely		
feedback of assessment		
results to parents and	3.85	Much Aware
other stakeholders.		
Overall	4.00	Much Aware
Overun		
4 Monifost skills in com		
4. Manifest skills in comm	nunication, highe	er-order thinking,
and the use of tools and t	nunication, highe	er-order thinking,
and the use of tools and t teaching.	nunication, highe	er-order thinking,
and the use of tools and teaching. 4.1 Demonstrate skills in	nunication, highe	er-order thinking,
and the use of tools and teaching. 4.1 Demonstrate skills in creative and critical	nunication, highe	er-order thinking,
and the use of tools and teaching. 4.1 Demonstrate skills in creative and critical thinking, logical	nunication, highe echnology to acce	er-order thinking, elerate learning and
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problem-	nunication, highe	er-order thinking,
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-	nunication, highe echnology to acce	er-order thinking, elerate learning and
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decisionmaking in various	nunication, highe echnology to acce	er-order thinking, elerate learning and
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decisionmaking in various classroom situations.	nunication, highe echnology to acce	er-order thinking, elerate learning and
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning	nunication, highe echnology to acce	er-order thinking, elerate learning and
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decisionmaking in various classroom situations.	nunication, higher echnology to acce	ver-order thinking, elerate learning and  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning	nunication, highe echnology to acce	er-order thinking, elerate learning and
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop	nunication, higher echnology to acce	ver-order thinking, elerate learning and  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order	nunication, higher echnology to acce	very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decisionmaking in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills	nunication, higher echnology to acce	ver-order thinking, elerate learning and  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities	nunication, higher echnology to access 4.22	Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's	nunication, higher echnology to access 4.22	Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and	4.22 4.27 4.29	Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance	nunication, higher echnology to access 4.22	Very Much Aware  Very Much Aware  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance learning and teaching.	4.22 4.27 4.29 4.19	Very Much Aware  Very Much Aware  Very Much Aware  Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance learning and teaching.	4.22 4.27 4.29 4.19 4.24	Very Much Aware  Very Much Aware  Very Much Aware  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance learning and teaching.  Overall  5. Demonstrate positive a	4.22  4.27  4.29  4.19  4.24  4.ttributes of a mo	Very Much Aware  Very Much Aware  Very Much Aware  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance learning and teaching.  Overall  5. Demonstrate positive a an individual and as a presence of thinking.	4.22  4.27  4.29  4.19  4.24  4.ttributes of a mo	Very Much Aware  Very Much Aware  Very Much Aware  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance learning and teaching.  Overall  5. Demonstrate positive a an individual and as a present the skills of the strength of the strength of the skills	4.22  4.27  4.29  4.19  4.24  4.ttributes of a mo	Very Much Aware  Very Much Aware  Very Much Aware  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance learning and teaching.  Overall  5. Demonstrate positive a an individual and as a pr  5.1 Act according to the norms of the teaching	4.22  4.27  4.29  4.19  4.24  4.ttributes of a mo	Very Much Aware  Very Much Aware  Very Much Aware  Very Much Aware
and the use of tools and teaching.  4.1 Demonstrate skills in creative and critical thinking, logical reasoning, problemsolving, and decision-making in various classroom situations.  4.2 Create learning experiences that develop the learners' higher-order thinking skills  4.3 Provide opportunities that develop the learner's communication skills  4.4 Use tools and technology to enhance learning and teaching.  Overall  5. Demonstrate positive a an individual and as a present the skills of the strength of the strength of the skills	4.22  4.27  4.29  4.19  4.24  attributes of a morofessional.	Very Much Aware  Very Much Aware  Very Much Aware  Very Much Aware  Much Aware  Very Much Aware  del teacher, both as

	T	
colleagues, and other		
stakeholders.		
5.2 Manifest the positive		
personal and	4.26	Very Much Aware
professional qualities of		
a teacher.		
5.3 Observe integrity		
and professionalism in	4.09	Much Aware
handling issues,		
conflicts, and		
controversies related to		
student welfare as well		
as parents' and		
community concerns.		
Overall	4.20	Very Much Aware
6. Manifest a desire to continuously pursue personal and		
professional development.		
6.1 Pursue personal		
growth and professional	4.13	Much Aware
development through		
attendance in seminar		
workshops, participation		
in demo-fests,		
conducting action		
research, and other		
education-related		
activities.		
6.2 Participate actively		
in the school's	4.28	Very Much Aware
community outreach		
community outreach activities.	_	
1	4.20	Very Much Aware
activities.	4.20	Very Much Aware  Much Aware

Legend: 1.00-1.79 (Not Aware); 1.80-2.59 (Aware); 2.60-3.39 (Moderately Aware); 3.40-4.19 (Much Aware); 4.20-5.00 (Very Much Aware)

#### 4. Sample Training Design

The goal of training programs is to create permanent changes in people's knowledge, attitudes, or behaviors. Practicum or field experience has been viewed as an important component of teacher education because it provides an authentic learning environment for students to make sense of theoretical knowledge and practice the skills they acquire. Teaching is a demanding and complex activity that requires its practitioner to acquire, develop, and master an array of knowledge, skills, values, and attitudes. Learning to teach is not a one-shot episode, which happens once and for all. Experienced teachers know that it is rather a process of lifelong learning.

The proposed training design contains varied activities aimed at enhancing awareness of the BEED students on the Program Learning Outcomes (PLO) and Program Performance Indicators. <sup>[2]</sup> describe an outcome as

a statement of how students would recognize if or how well students have learned what is intended, they should learn. It tells what, and how well, students can do something that they were unable, or only partially able, to do before teaching. Good teachers have always had some idea of that in outcomes-based teaching and learning are simply making that as explicit as it can — always allowing for unintended but desirable outcomes. The purpose of outcomes is to make the expectations and priorities clear, with the knowledge that there will be other things students take away from courses and programs.

Pedagogical content knowledge (PCK) has particular relevance for understanding the factors that contribute to high-quality teaching behaviors. PCK is defined as one's knowledge of how to teach specific contexts [5] [4] identified four unique subcomponents. The first dimension of PCK relates to the teacher's knowledge about the purpose of teaching, which is reflected in a teacher's goals [4]. Second, PCK incorporates the teacher's knowledge of the students' understanding of what of the subject matter. In particular, teachers should be aware of what a student already knows, as well as having knowledge of the subject matter that is likely to be challenging and need development. The third element of PCK refers to the teacher's knowledge of instructional strategies for teaching specific topics, and the final part of Grossman's content/materials, as well as knowledge of the specific content required for a given cohort.

# IV. CONCLUSION

From the aforementioned findings, the following conclusions are derived in this study. First, the instructors at a State University frequently used different teaching strategies effectively. However, it seems that instructors are using traditional teaching strategies more often it must imply for the instructors to use modern technology. Second, BEED students are much aware of the program's learning outcomes. This shows that they have broad and coherent knowledge, skills, and attitudes that BEED students should acquire at the end of the program. Third, BEED students are much aware of the program performance indicator. This manifests that the BEED students are knowledgeable about the elements of their career plan and what they want to achieve by a certain period. This can be used to manage and track the progress of their career plan. Fourth, the proposed training design for the BEED program may be used to serve as a guide to review and for modification to identify and address academic gaps, redundancies, and misalignments for purposes of improving the overall coherence of a course of study and by extension and its effectiveness.

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