"We Strive to Guarantee Quality   PALAU COMMUNITY COLLEGE   and Excellence"

Palau Community College is an accessible comprehensive public educational institution helping to meet the technical, academic, cultural, social, and economic needs of students and communities by promoting learning opportunities and developing personal excellence.

GE - Instructional Programs
(Academic Degree & Certificate Programs)

Three Year Program Review

Degree / Certificate Program

GENERAL ELECTRONICS TECHNOLOGY (GE)

Period of Three-Year Review

Fall 2016 to Summer 2019

Program Review Completed By:

Name	Title	Signature	Date
Joel G. Yabes	Associate Professor		01/30/20

Program Review Certified By:

Name	Title	Signature	Date
Deikola Olikong	Dean of Academic Affairs		1/30/20

Program Review Received By: (Institutional Research & Evaluation Office)

Name	Title	Signature	Date
Ligaya Sara	Institutional Research Assistant	01-30-20	01/30/20

Purpose:

Program review at Palau Community College is a process that provides an extensive evaluation of academic and non-academic programs on a three-year basis. The results of yearly assessments (using the FAMED process) are compiled into the one three-year review cycle.

The purpose of program review is to evaluate program sufficiency to allow definite strategies to be developed for major revisions, to provide information for consideration when decisions are made, and to develop recommendations to improve institutional effectiveness.

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Instructions for completing Program Review:

1. Type your text into the boxes. The text boxes will expand to accommodate the amount of text spaces you need.

2. Individual instructions are included before each section. Examples are in **green**, remove when you start writing.

3. Submit completed and signed Program Review in both hard copy and electronic copy format to the Institutional Research & Evaluation Office.

4. Required supporting documents must be included during submission.

   Appendix A: CLOs – PLOs – ILOs Mapping (e-copy only)

   Appendix B: Most Updated & Approved Outlines within this cycle (e-copy only)

   Appendix C: Most Updated Program Modification with PLOs within this cycle (e-copy only)

   Appendix D: FAMED grid of all course assessment data within review cycle
   (e-copy only)

5. Be sure to keep both hard and electronic copies for your file.

Note: Other college plans may include the 15-Year Institutional Master Plan, the 5-Year Technology Plan, Institutional Learning Outcomes, Institutional-Set Standards for Student Achievement, or other plans, such as an approved department plan or committee plan.

I. Academic Degree Program Purpose (Program Description) and Relationship to the College Mission

1. State the purpose of this academic degree program below.

The General Electronics Technology program is designed to provide students with technical knowledge, skills and proper work habits/attitudes necessary for employment in the field of electronics. The program prepares students to work, advance in their career in position such as electronic technicians, assemblers, testers, parts counter sales persons or operators of their own electronic parts distributor establishments, service repair shops.

    The goal of the program is to prepare the students to acquire competencies in different areas of electronics such as:

- Electronics circuit assembly and manufacturing,
- Service and repair of electronics consumer products,
- Service and repair of industrial devices and control equipment, and
- Service and repair of computer

2. How is the academic degree program supporting the overall mission of the College?

PCC Mission Statement:
"Palau Community College is an accessible public educational institution helping to meet the technical, academic, cultural, social, and economic needs of students and communities by promoting learning opportunities and developing personal excellence" (2016-2020 Palau Community College, p. 12).

The General Electronic program provides learning opportunities for the students to acquire technical expertise in the field of electronics manufacturing, maintenance, repair, and other services needed by the community. It provides training to develop student's employability skills leading to be prospective electronic technicians, assemblers, parts sales person or operators of their own enterprise.

3. Provide a brief history of this academic degree program below. Include the updates of major changes and accomplishments since the last review.

In the late 70's, the introduction of television and other electronics appliances necessitate the college to develop a program courses for general electronics that will provide employability skills for the students. Thus, the Certificate of Achievement and the Associate of Science degrees were the first programs offered in 1979. These programs were designed to provide training and education for the students to develop their occupational skills in electronics field.

During mid 80's, when more electronics products and technology were introduced in the community like computers, VCRs, and color televisions, the college visited the program and updated it based on the current changes in electronics technology, to ensures that the students could keep up with the technological changes. As a result of this review, some of the courses were deleted in the program because of becoming obsolete and were replaced with new courses, for example, the Black and white TV repair course was deleted and replaced it with the Color Television Repair, and the computer literacy course and VCR repair course were newly introduced in the program.

In the late 90's, computers technology became trending, together with audio technology, video technology, and the emerging popularity of industrial electronics were all rapidly progressing. Because of these fast-growing trends, the college program was revisited and revised to reflect these changes to ensure that the students will receive relevant training and education. Thus, the Certificate of Achievement in Consumer Electronics Repair and the Certificate of achievement in Industrial electronics were offered in Fall 2000. These Programs were designed to produce specialized technicians whose trainings were more focused in developing knowledge and skills on their chosen field. On the other hand, the Associate of Science degree was focused on both consumer and industrial electronics.

Because of the continuing progress, developments, trends and issues with regards to education, technical training, student financing policy, and grants, in year 2004 the GE program was revisited once again. The Associate of Applied Science degree was created. AAS degree is awarded to those students who successfully complete at least 60 semesters credits of occupational and related general education courses. This AAS degree provides students with skills and competencies for gainful employment. This AAS degree is terminal, and the credits earned by the students may be transferred or counted at the discretions of the receiving institution.

As technology continue to advance, in 2009 the program updated all its courses to ensure that updates in electronics technology and the needs of community were reflected in its curriculum. In 2015 the program was modified to accommodate two new GE courses in the curriculum, and these are the GE128 Robotic 1 and GE212 Robotic 2. These two new courses were developed two train the student in electronics control technology, microcontroller programing, ROV repair and assembly. Two of the GE courses were also deleted in the program in order to accommodate these two robotic courses. The GE125 Digital Electronics, and GE127 Industrial Electronics Circuits and Devices were removed in the program, and most of their course learning outcomes were incorporated in other related GE courses. The GE216 Microcontroller course was renamed to GE116 and became prerequisite to GE128 Robotic 1 and GE212 Robotic 2.

All modifications happened in this program since the beginning up to the present were made to ensures our students in the GE program received a relevant training and quality education that they need for their employment.

II. Program Data

Degree Program Students – Number of Students Enrolled in this Degree Program

Figure 1. Number of Students Enrolled in Degree Program
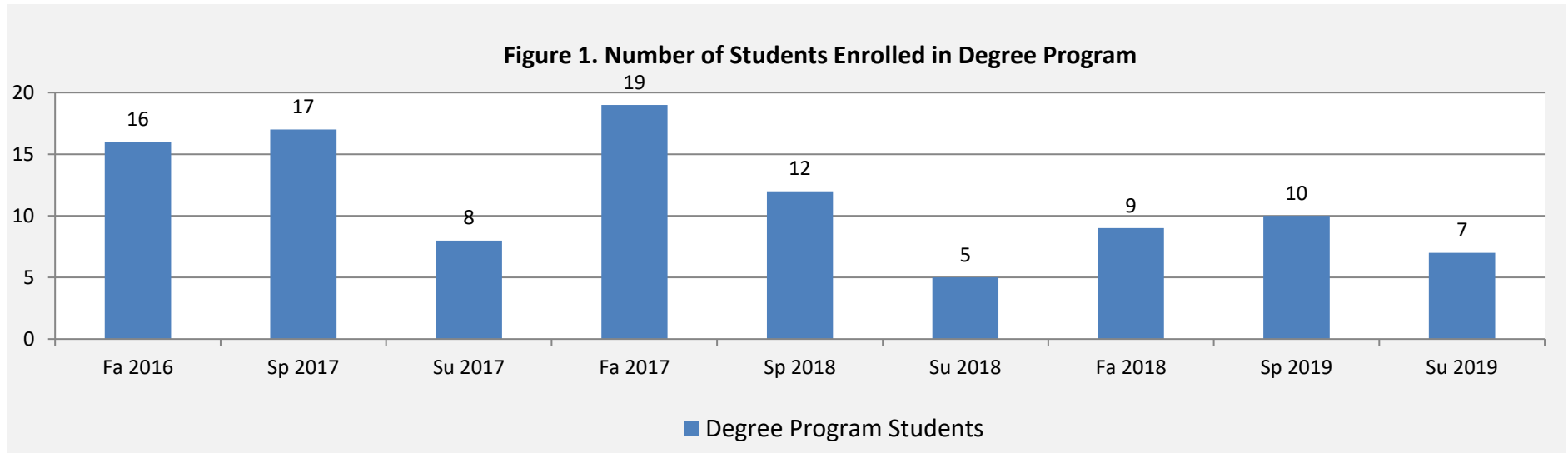
Provide summary of Figure 1 including its trends analysis.

The above figure (figure 1) show the number of students enrolled in all the GE program courses in every semester from fall 2016 to summer2019. The data shows that the program maintain an average of 11 GE students every semester with fall having the highest enrollees fallowed by the spring then summer. The program maintains an average of 15 students every fall semester and 13 every spring semester.

Fa 2016	Sp 2017	Su 2017	Fa 2017	Sp 2018	Su 2018	Fa 2018	Sp 2019	Su 2019	Semester Avg	FA Avg	SP Avg
16	17	8	19	12	5	9	10	7	11.4	14.6	13

Program Courses Data
(Course Completion Data of __Program Students__ in each Program Course)

Table 1a. Course Completion of Program Courses (Fall)

FA 2016					FA 2017					FA 2018				
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
GE113	8	0	0	8	GE113	4	3	1	8	GE113	1	0	1	2
GE114	9	0	0	9	GE114	6	3	1	10	GE114	1	0	1	2
GE115	9	0	0	9	GE115	5	4	0	9	GE115	1	1	1	3
GE116	9	0	0	9	GE116	8	4	0	12	GE116	4	0	1	5
GE127	8	0	0	8	GE212	12	0	2	14	GE212	3	0	0	3
GE214	4	0	0	4	GE214	6	0	1	7	GE214	3	0	0	3
GE215	8	0	0	8	GE215	12	0	2	14	GE215	3	0	0	3

Table 1b. Course Completion of Program Courses (Spring)

SP 2017					SP 2018					SP 2019				
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
GE124	14	0	2	16	GE124	8	0	0	8	GE124	2	0	0	2
GE126	14	0	2	16	GE126	8	0	0	8	GE126	2	0	0	2
GE128	14	0	0	14	GE128	12	0	0	12	GE128	2	0	0	2
GE216	8	0	0	8	GE217	12	0	0	12	GE217	3	0	0	3
GE217	8	0	0	8	GE222	12	0	0	12	GE222	3	0	0	3
GE222	8	0	0	8	GE223	6	0	0	6	GE223	3	0	0	3
GE223	10	0	2	12										
GE225	1	0	0	1										

Table 1c. Course Completion of Program Courses (Summer)

SU 2017					SU 2018					SU 2019				
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
GE225	4	0	0	4	GE225	5	0	0	5	GE225	2	0	0	2

Provide summary of Tables 1a, 1b & 1c including its trends analysis.

The table above shows the detailed performance of each program courses in very semester from Fall 2016 to Summer 2019 . Tables 1a to 1c shows the number of enrolled students who majors in GE program, how many of them passed, failed and withdrew within the semester. The table below FA2016 to SU2019 summarized the performance of the GE program base on the above data The GE program maintain a semester average of 94% students passing rate with 3% failed and 4% withdrawal rate. And looking at fall semester average rating, GE program maintains an average of 83% student passing rate with 8% failed and 19% withdrawal rate, while in spring semester there is 98% passing rate, 0 failed and only 2% withdrawal rate.

FA2016 to SU2019			
SEMESTER	%Passed	%Failled	%Withdraw	Enrolled
FA2016	100%	0%	0%	100%
SP 2017	93%	0%	7%	100%
SU 2017	100%	0%	0%	100%
AVERAGE	98%	0%	2%	100%
FA2017	72%	19%	9%	100%
SP 2018	100%	0%	0%	100%
SU 2018	100%	0%	0%	100%
AVERAGE	91%	6%	3%	100%
FA2018	76%	5%	19%	100%
SP 2019	100%	0%	0%	100%
SU 2019	100%	0%	0%	100%
AVERAGE	92%	2%	6%	100%
FA AVG	83%	8%	9%	100%
SP AVG	98%	0%	2%	100%
SEM AVG	94%	3%	4%	100%

Program Courses Data
Course Completion Data of <u>ALL Students</u> in each Program Course
(Does not apply for LA and SD Programs)

Table 2a. Course Completion of Program Courses (Fall)

FA 2016				FA 2017				FA 2018			
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
GE113	8	0	0	8	GE113	5	3	2	10	GE113	2	0	1	3
GE114	9	0	0	9	GE114	7	3	3	13	GE114	2	0	1	3
GE115	9	0	0	9	GE115	6	4	3	13	GE115	2	1	1	4
GE116	9	0	0	9	GE116	9	5	1	15	GE116	4	1	1	6
GE127	8	0	0	8	GE212	12	0	2	14	GE212	3	0	0	3
GE214	4	0	0	4	GE214	6	0	1	7	GE214	3	0	0	3
GE115	8	0	0	8	GE215	12	0	2	14	GE115	3	0	0	3

Table 2b. Course Completion of Program Courses (Spring)

SP 2017				SP 2018				SP 2019			
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
GE124	14	0	2	16	GE124	8	0	0	8	GE124	2	0	0	2
GE126	14	0	2	16	GE126	8	0	0	8	GE126	2	0	0	2
GE128	14	0	0	14	GE128	12	0	0	12	GE128	2	0	0	2
GE216	8	0	0	8	GE217	12	0	0	12	GE217	3	0	0	3
GE217	8	0	0	8	GE222	12	0	0	12	GE222	3	0	0	3
GE222	8	0	0	8	GE223	6	0	0	6	GE223	3	0	0	3
GE223	10	0	2	12										
GE225	1	0	0	1										

Table 2c. Course Completion of Program Courses (Summer)

SU 2017					SU 2018					SU 2019				
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
GE225	4	0	0	4	GE225	5	0	0	5	GE225	2	0	0	2

Provide summary of Tables 2a, 2b & 2c including its trends analysis.

The table above is similar to the previous table 1a to 1c but at this time the table above 2a to 2c shows the combined number of enrolled students who are GE majors, and non-GE majors who are taking only for credits, how many of them passed, failed and withdrew within the semester. The table below FA2016 to SU2021 summarized the performance of the GE program base on the above data The GE program maintain a semester average of 93% students passing rate with 3% failed and 4% withdrawal rate. And looking at fall semester average rating, GE program maintains an average of 81% student passing rate with 9% failed and 11% withdrawal rate, while in spring semester there is 98% passing rate, 0 failed and only 2% withdrawal rate.

FA2016 to SU2019				
SEMESTER	%Passed	%Failled	%Withdraw	Enrolled
FA2016	100%	0%	0%	100%
SP 2017	93%	0%	7%	100%
SU 2017	100%	0%	0%	100%
AVERAGE	98%	0%	2%	100%
FA2017	66%	18%	16%	100%
SP 2018	100%	0%	0%	100%
SU 2018	100%	0%	0%	100%
AVERAGE	89%	6%	5%	100%
FA2018	76%	8%	16%	100%
SP 2019	100%	0%	0%	100%
SU 2019	100%	0%	0%	100%
AVERAGE	92%	3%	5%	100%
FA AVG	80.7%	8.7%	10.7%	100%
SP AVG	98%	0%	2%	100%
SEM AVG	93%	3%	4%	100%

Figure 2. Number of Graduates

| Semester	Value
Fa 2016	0 0 0
Sp 2017	0 1 0
Su 2017	0 0 0
Fa 2017	0 4 0
Sp 2018	0 0 0
Su 2018	1 3 0
Fa 2018	0 0 0
Sp 29	0 0 0
Su 2019	0 2 0

Legend: ■ AS/AA ■ AAS ■ CA
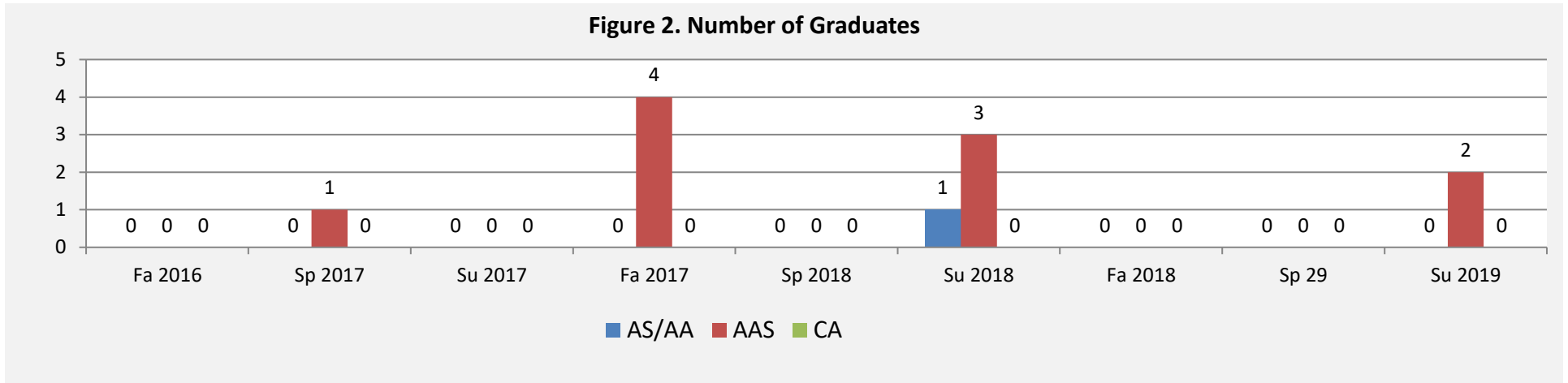
Provide summary of Figure 2 including its trends analysis.

The table above (tabular view of Figure 2) illustrates the number of students who have successfully completed and received an Associate of Science degree and Associate of Applied Science degree in the GE program from FA2016 to SU2019. Comparing the number of graduates from previous review to this program review as shown in the table below, there is a significant increase of student graduated in this program review. There are 10 students graduated in AAS degree, and 1student graduated in AS degree, with a total of 11 student graduated in this review cycle. While in previous review, only 5 Student graduated in AAS degree, and 1 student graduated in AS degree, with a total of 6 student graduated in the previous review.

FA2013 to SU2016 Previous Review				FA2016 to SU2019 This Review		
Semester	AAS	AS		Semester	AAS	AS
FA2013				FA2016		
SP2014	3			SP2017	1	
SU2014				SU2017		
FA2014				FA2017	4	
SP2015	1			SP2018		
SU2015				SU2018	3	1
FA2015	1	1		FA2018		
SP2016				SP2019		
SU2016				SU2019	2	

Figure 3. Faculty Head Count

Legend: ■ Full Time Faculty ■ Part Time Faculty
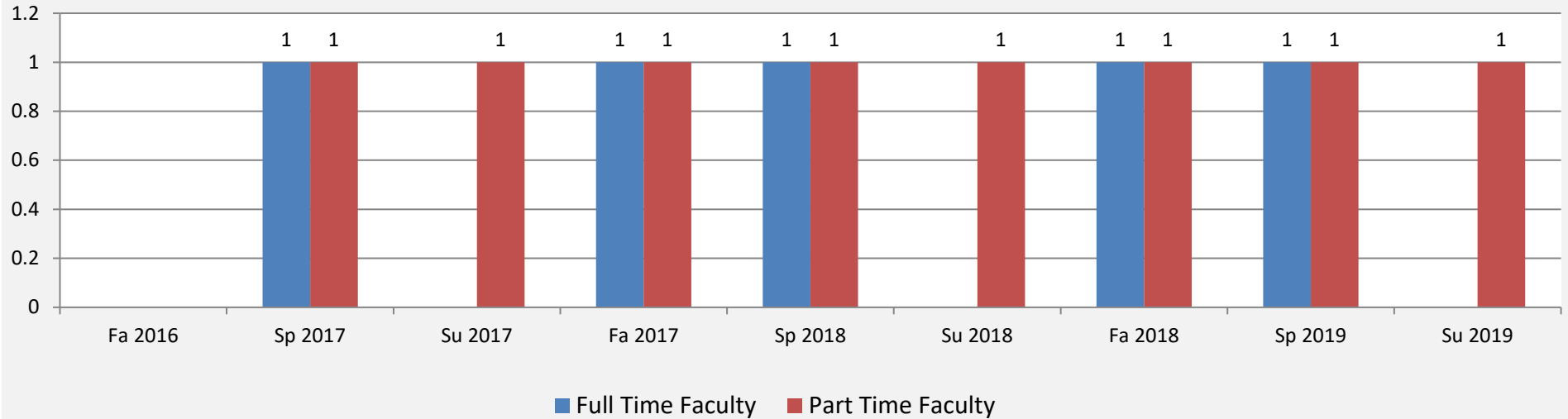
Provide summary of Figure 5 including its trends analysis.

The table above (tabular view of Figure 3) represents the number of full time and part time faculty that teaches GE classes. Currently, there is only one full time GE faculty and two regular part time instructors in the program. This fulltime faculty heads the General Electronics Program as well as teaches some GE courses for GE majors. The two regular part time instructors teach other courses in the program.

III. Student Learning and Curriculum

School Year	How many program courses are there? (refer to catalog or recent approval by CPC)	% of courses with Identified CLOs	List all revised program courses outlines or proposed new courses that received CPC approval within this review cycle	% of PLOs aligned with ILOs
2016-2017	14	100%	0	100%
2017-2018	14	100%	0	100%
2018-2019	14	100%	0	100%

Provide Summary of Student Learning and Curriculum in the box below. Summary should include reasons for course revisions and course proposals. If any course and/or the degree or the certificate program went through the validity process, include the information here.

All 14 courses offered in the GE program are approved by the CPC with 100% identified CLOs and 100% aligned with PLOs. All program courses are newly updated with validity of 5 years from the date it was approved and implemented. No revision happened nor new courses were proposed from year 2016 to 2019.

Other Required General Education Courses:
In Fall 2018 CO110-Introduction to Communications was removed in AAS degree program of GE and replaced with EN110-English Reading and Writing which focuses on enhancing the students' ability in reading comprehension and improving students' writing skills. This course is more essential for student's success in their technical field of study and training, and it is more relevant course needed by the student to train them in clearly expressing their thoughts and feelings in writing service, incident, and troubleshooting reports. Student also needs to understand and follow the service guide manual in dealing problems with the machines; and the operator's instructional manual that is usually accompanied in setting up equipment in offices or in houses: we need to make sure that our students are capable in doing such a job. The removal of CO110 in AAS program with the replacement of EN 100 will make the student more successful in their study and training in the General Electronics program.

IV. Course Assessment Data

Year 1: School Year 2016-2017 (FA16 – SU17)

Semesters Assessed	Course Assessed	CLO-PLO-ILO Mapping	Results of Assessments
Fall 2016	GE113	CLO1-PLO4-ILO2&3	80% of the students assessed performed at the proficiency level.
		CLO2-PLO4-ILO2&3	88% of the students assessed performed at the proficiency level.
		CLO3-PLO4-ILO2&3	88% of the students assessed performed at the proficiency level.
		CLO4-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO5-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.

		CLO6-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level
	GE114	CLO1-PLO1-4-ILO1-3	75% of the students assessed performed at the proficiency level.
		CLO2-PLO1-4-ILO1-3	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-4-ILO1-3	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-4-ILO1-3	80% of the students assessed performed at the proficiency level.
		CLO5-PLO1-4-ILO1-4	80% of the students assessed performed at the proficiency level.
	GE115	CLO1-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-4-ILO1-4	78% of the students assessed performed at the proficiency level.
		CLO4-PLO1-4-ILO1-4	58% of the students assessed performed at the proficiency level.
		CLO5-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE116	CLO1-PLO1-3-1ILO1-4	
		CLO2-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE127	CLO1-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE214	CLO1-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE215	CLO1-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level

		CLO6-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
Spring 2017	GE124	CLO1-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO6-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE126	CLO1-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
	GE128	CLO1-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE216	CLO1-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE217	CLO1-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level

		CLO5-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO6-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE222	CLO1-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
	GE223	CO1-PLO4-ILO3	100% of the students assessed performed at the proficiency level
		CO2-PLO4-ILO3	100% of the students assessed performed at the proficiency level
		CO3-PLO4-ILO3	100% of the students assessed performed at the proficiency level
Summer2017	GE225	CLO1-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level

Year 2: School Year 2017-2018 (FA17 – SU18)

Semester Assessed	Course Assessed	CLO-PLO-ILO Mapping	Results of Assessments
Fall 2017	GE113	CLO1-PLO4-ILO2&3	70% of the students assessed performed at the proficiency level.
		CLO2-PLO4-ILO2&3	77.8% of the students assessed performed at the proficiency level.
		CLO3-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO4-PLO4-ILO2&3	83.33% of the students assessed performed at the proficiency level.
		CLO5-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO6-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
	GE114	CLO1-PLO1-4-ILO1-3	80% of the students assessed performed at the proficiency level.
		CLO2-PLO1-4-ILO1-3	87.5% of the students assessed performed at the proficiency level.
		CLO3-PLO1-4-ILO1-3	85.7% of the students assessed performed at the proficiency level.
		CLO4-PLO1-4-ILO1-3	85.71% of the students assessed performed at the proficiency level.
		CLO5-PLO1-4-ILO1-4	87.5% of the students assessed performed at the proficiency level.

	GE115	CLO1-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO5-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE116	CLO1-PLO1-3-1ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE212	CLO1-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE214	CLO1-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE215	CLO1-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
Spring 2018	GE124	CLO1-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level

		CLO5-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO6-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE126	CLO1-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
	GE128	CLO1-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE217	CLO1-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE222	CLO1-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
	GE223	CO1-PLO4-ILO1-4	100% of the students assessed performed at the proficiency level
		CO2-PLO4-ILO1-4	100% of the students assessed performed at the proficiency level
		CO3-PLO4-ILO1-4	100% of the students assessed performed at the proficiency level
Summer2018	GE225	CLO1-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level

Year 3: School Year 2018-2019 (FA18 – SU19)

Semester Assessed	Course Assessed	CLO-PLO-ILO Mapping	Results of Assessments
Fall 2018	GE113	CLO1-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO2-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO3-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO4-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO5-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
		CLO6-PLO4-ILO2&3	100% of the students assessed performed at the proficiency level.
	GE114	CLO1-PLO1-4-ILO1-3	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-4-ILO1-3	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-4-ILO1-3	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-4-ILO1-3	100% of the students assessed performed at the proficiency level.
		CLO5-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE115	CLO1-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO5-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE116	CLO1-PLO1-3-1ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE212	CLO1-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level.

	GE214	CLO1-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO2-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO3-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
		CLO4-PLO1-2&4-ILO1-4	100% of the students assessed performed at the proficiency level.
	GE215	CLO1-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO2&4-ILO1-4	100% of the students assessed performed at the proficiency level
Spring 2019	GE124	CLO1-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO6-PLO1-3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE126	CLO1-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1&2-ILO1-4	100% of the students assessed performed at the proficiency level
	GE128	CLO1-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO5-PLO1&3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE217	CLO1-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level

		CLO2-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO3-ILO1-4	100% of the students assessed performed at the proficiency level
	GE222	CLO1-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO3-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO4-PLO2-ILO1-4	100% of the students assessed performed at the proficiency level
	GE223	CO1-PLO4-ILO3	100% of the students assessed performed at the proficiency level
		CO2-PLO4-ILO3	100% of the students assessed performed at the proficiency level
		CO3-PLO4-ILO3	100% of the students assessed performed at the proficiency level
Summer2019	GE225	CLO1-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level
		CLO2-PLO1-4-ILO1-4	100% of the students assessed performed at the proficiency level

Provide Summary of Course Assessment Data with analysis results in the box below. Summary should include how assessment results have led to improvement of course and program learning outcomes, student learning and student achievement.

All courses in GE program are assessed every semester when it was offered to aid the program instructor in measuring the proficiency level of every student. When student's proficiency level is below 70%, then action plan is stablished and implement on the following year to improve the training course, teaching methodology, delivery that will lead to increase in student's proficiency level. The assessment of different courses on the above table shows their alignment to PLO and ILO and their level of success. Most of data on the above table from fall 2016 to Summer 2019 shows that all students in this review cycle met the expected proficiency level of 70%, therefore no further action needed at this time. The GE program will continuously assess and monitor each course to ensure success in student career.

V. Program Learning Outcomes (PLOs) Assessment

Program Learning Outcomes Assessment Results

Year Assessed	PLO Assessed	Proficiency Levels	Results of Assessments
2016-2017	PLO 1	GE114 –CLO1-75% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -80% GE114 –CLO5- 80% GE115 –CLO1-100% GE115 –CLO2-100%	95.7% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation

		GE115 –CLO3- 78% GE115 –CLO4-58% GE115 –CLO5 -100% GE116 –CLO1 -0% GE116 –CLO2-100% GE116 –CLO3 100% GE116 –CLO4-100% GE124 –CLO1-100% GE124 –CLO3-100% GE126 –CLO1-100% GE126–CLO2-100% GE126 –CLO3-100% GE126 –CLO4-100% GE126 –CLO5-100% GE128 –CLO1-100% GE128–CLO2-100% GE128 –CLO3-100% GE128 –CLO4-100% GE128 – CLO5-100% GE214 –CLO1-100% GE214 –CLO1-100% GE214 –CLO3-100% GE225 –CLO1-100% GE225 –CLO2-100%	will continue to be based on course assessment results and data. **Note:** GE116-CLO1 was not assess due to non-availability of materials. The following action plans should be implemented to ensure assessment will be made on the following year. 1. Request for purchase of materials must be submitted 1months before the opening of classes. 2. Constant follow up to the academic affairs regarding the materials.
	PLO 2	GE114 –CLO1-75% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -80% GE114 –CLO5- 80% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 78% GE115 –CLO4-58% GE115 –CLO5 -100% GE116 –CLO1-0% GE116 –CLO2-100% GE116 –CLO3 100% GE116 –CLO4-100% GE124 –CLO1-100% GE124–CLO2-100% GE124 –CLO3-100% GE124 –CLO4-100% GE124 –CLO5-100% GE124 –CLO6-100% GE126 –CLO1-100% GE126–CLO2-100% GE126 –CLO3-100% GE126 –CLO4-100% GE126 –CLO5-100% GE214 –CLO1-100% GE214–CLO2-100% GE214–CLO3-100% GE214 –CLO4-100% GE215 –CLO1-100% GE215 –CLO2-100% GE215 –CLO3-100% GE215 –CLO4-100%	97.7% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data. **Note**: GE116-CLO1 was not assess due to non-availability of materials. The following action plans should be implemented to ensure assessment will be made on the following year. 1.Request for purchase of materials must be submitted 1months before the opening of classes. 2.Constant follow up to the academic affairs regarding the materials.

		GE215 –CLO5-100% GE222 –CLO1-100% GE222–CLO2-100% GE222 –CLO3-100% GE222 –CLO4-100% GE225 –CLO1-100% GE225 –CLO2-100%	
	PLO 3	GE114 –CLO1-75% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -80% GE114 –CLO5- 80% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 78% GE115 –CLO4-58% GE115 –CLO5 -100% GE116 –CLO1-100% GE116 –CLO2-100% GE116 –CLO3-100% GE116 –CLO4-100% GE124 –CLO1-100% GE124–CLO2-100% GE124 –CLO3-100% GE124 –CLO4-100% GE124 –CLO5-100% GE124 –CLO6-100% GE128 –CLO1-100% GE128 –CLO2-100% GE128 –CLO3-100% GE128 –CLO4-100% GE128 –CLO5-100% GE217 –CLO1-100% GE217–CLO2-100% GE217 –CLO3-100% GE217 –CLO4-100% GE225 –CLO1-100% GE225 –CLO2-100%	95.8% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.
	PLO 4	GE113-CLO1-100% GE113-CLO2-100% GE113-CLO3-100% GE113-CLO4-100% GE113-CLO5-100% GE113-CLO6-100% GE114 –CLO1-75% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -80% GE114 –CLO5- 80% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 78% GE115 –CLO4-58% GE115 –CLO5 -100% GE214 –CLO1-100% GE214 –CLO1-100%	95.7% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.

		GE214 –CLO3-100% GE214 –CLO4-100% GE215 –CLO1-100% GE215 –CLO2-100% GE215 –CLO3-100% GE215 –CLO4-100% GE215 –CLO5-100% GE223 –CLO1-100% GE223 –CLO2-100% GE223 –CLO3-100% GE225 –CLO1-100% GE225 –CLO2-100%	
2017-2018	PLO 1	GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5- 100% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 100% GE115 –CLO4-100% GE115 –CLO5 -100% GE116 –CLO1-100% GE116 –CLO2-100% GE116 –CLO3 100% GE116 –CLO4-100% GE124 –CLO1-100% GE124 –CLO3-100% GE126 –CLO1-100% GE126–CLO2-100% GE126 –CLO3-100% GE126 –CLO4-100% GE126 –CLO5-100% GE128 –CLO1-100% GE128–CLO2-100% GE128 –CLO3-100% GE128 –CLO4-100% GE128 – CLO5-100% GE212 –CLO1-100% GE212–CLO2-100% GE212 –CLO3-100% GE212 –CLO4-100% GE214 –CLO1-100% GE214 –CLO1-100% GE214 –CLO3-100% GE225 –CLO2-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.
	PLO 2	GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5- 100% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 100% GE115 –CLO4-100% GE115 –CLO5 -100% GE116 –CLO1-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.

		GE116 –CLO2-100% GE116 –CLO3 100% GE116 –CLO4-100% GE124 –CLO1-100% GE124–CLO2-100% GE124 –CLO3-100% GE124 –CLO4-100% GE124 –CLO5-100% GE124 –CLO6-100% GE126 –CLO1-100% GE126–CLO2-100% GE126 –CLO3-100% GE126 –CLO4-100% GE126 –CLO5-100% GE214 –CLO1-100% GE214–CLO2-100% GE214–CLO3-100% GE214 –CLO4-100% GE215 –CLO1-100% GE215 –CLO2-100% GE215 –CLO3-100% GE215 –CLO4-100% GE215 –CLO5-100% GE222 –CLO1-100% GE222–CLO2-100% GE222 –CLO3-100% GE222 –CLO4-100% GE225 –CLO1-100% GE225 –CLO2-100%	
	PLO 3	GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5-100% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3-100% GE115 –CLO4-100% GE115 –CLO5 -100% GE116 –CLO1-100% GE116 –CLO2-100% GE116 –CLO3-100% GE116 –CLO4-100% GE124 –CLO1-100% GE124–CLO2-100% GE124 –CLO3-100% GE124 –CLO4-100% GE124 –CLO5-100% GE124 –CLO6-100% GE128 –CLO1-100% GE128 –CLO2-100% GE128 –CLO3-100% GE128 –CLO4-100% GE128 –CLO5-100% GE217 –CLO1-100% GE217–CLO2-100% GE217 –CLO3-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.

		GE217 –CLO4-100% GE225 –CLO1-100% GE225 –CLO2-100%	
	PLO 4	GE113-CLO1-100% GE113-CLO2-100% GE113-CLO3-100% GE113-CLO4-100% GE113-CLO5-100% GE113-CLO6-100% GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5- 100% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 100% GE115 –CLO4-100% GE115 –CLO5 -100% GE214 –CLO1-100% GE214 –CLO1-100% GE214 –CLO3-100% GE214 –CLO4-100% GE215 –CLO1-100% GE215 –CLO2-100% GE215 –CLO3-100% GE215 –CLO4-100% GE215 –CLO5-100% GE223 –CLO1-100% GE223 –CLO2-100% GE223 –CLO3-100% GE225 –CLO1-100% GE225 –CLO2-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.
2018-2019	PLO 1	GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5- 100% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 100% GE115 –CLO4-100% GE115 –CLO5 -100% GE116 –CLO1-100% GE116 –CLO2-100% GE116 –CLO3 100% GE116 –CLO4-100% GE124 –CLO1-100% GE124 –CLO3-100% GE126 –CLO1-100% GE126–CLO2-100% GE126 –CLO3-100% GE126 –CLO4-100% GE126 –CLO5-100% GE128 –CLO1-100% GE128–CLO2-100% GE128 –CLO3-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.

		GE128 –CLO4-100% GE128 – CLO5-100% GE212 –CLO1-100% GE212–CLO2-100% GE212 –CLO3-100% GE212 –CLO4-100% GE214 –CLO1-100% GE214 –CLO1-100% GE214 –CLO3-100% GE225 –CLO2-100%	
	PLO 2	GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5- 100% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 100% GE115 –CLO4-100% GE115 –CLO5 -100% GE116 –CLO1-100% GE116 –CLO2-100% GE116 –CLO3 100% GE116 –CLO4-100% GE124 –CLO1-100% GE124–CLO2-100% GE124 –CLO3-100% GE124 –CLO4-100% GE124 –CLO5-100% GE124 –CLO6-100% GE126 –CLO1-100% GE126–CLO2-100% GE126 –CLO3-100% GE126 –CLO4-100% GE126 –CLO5-100% GE214 –CLO1-100% GE214–CLO2-100% GE214–CLO3-100% GE214 –CLO4-100% GE215 –CLO1-100% GE215 –CLO2-100% GE215 –CLO3-100% GE215 –CLO4-100% GE215 –CLO5-100% GE222 –CLO1-100% GE222–CLO2-100% GE222 –CLO3-100% GE222 –CLO4-100% GE225 –CLO1-100% GE225 –CLO2-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.
	PLO 3	GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5-100% GE115 –CLO1-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation

		GE115 –CLO2-100% GE115 –CLO3-100% GE115 –CLO4-100% GE115 –CLO5 -100% GE116 –CLO1-100% GE116 –CLO2-100% GE116 –CLO3-100% GE116 –CLO4-100% GE124 –CLO1-100% GE124–CLO2-100% GE124 –CLO3-100% GE124 –CLO4-100% GE124 –CLO5-100% GE124 –CLO6-100% GE128 –CLO1-100% GE128 –CLO2-100% GE128 –CLO3-100% GE128 –CLO4-100% GE128 –CLO5-100% GE217 –CLO1-100% GE217–CLO2-100% GE217 –CLO3-100% GE217 –CLO4-100% GE225 –CLO1-100% GE225 –CLO2-100%	will continue to be based on course assessment results and data.
	PLO 4	GE113-CLO1-100% GE113-CLO2-100% GE113-CLO3-100% GE113-CLO4-100% GE113-CLO5-100% GE113-CLO6-100% GE114 –CLO1-100% GE114 –CLO2-100% GE114 –CLO3-100% GE114 –CLO4 -100% GE114 –CLO5- 100% GE115 –CLO1-100% GE115 –CLO2-100% GE115 –CLO3- 100% GE115 –CLO4-100% GE115 –CLO5 -100% GE214 –CLO1-100% GE214 –CLO1-100% GE214 –CLO3-100% GE214 –CLO4-100% GE215 –CLO1-100% GE215 –CLO2-100% GE215 –CLO3-100% GE215 –CLO4-100% GE215 –CLO5-100% GE223 –CLO1-100% GE223 –CLO2-100% GE223 –CLO3-100% GE225 –CLO1-100% GE225 –CLO2-100%	100% of students assessed performed at the proficiency level. The expected outcome of 70% was met. GE program will continue to offer program courses as they are, continue to assess the program courses, and will make any changes when need arise. Changes and implementation will continue to be based on course assessment results and data.

Provide Summary of Program Learning Outcomes Assessments and analysis results in the box below. Summary should include analysis of this cycle with previous cycles; how assessment results have led to major decisions made to support the improvement of program's student learning and student achievement.

Comparing the proficiency level of the four PLOs from previous program review FA2013 to SU2016 to the proficiency level of this review cycle FA2016 to SU2019 there is significantly increase in the proficiency level. PLO1 increased by 12% from 87% to 98.5% proficiency level, PLO2 increased by 13% from 86% to 99.2% proficiency level, PLO3 increased by 13% from 86% to 98.6% proficiency level, and PLO4 increased by 10% from 89% to 98.5% proficiency level. The table below shows the summary of this review cycle and its comparison to the previous cycle.

Table of Comparison

PLO	FA2013-SU2016 Proficiency level (Previous Review Cycle)	FA2016-SU2019 Proficiency level (This Review Cycle)	Increased by
PLO 1	87%	98.5%	11.5%
PLO 2	86%	99.2%	13.2%
PLO 3	86%	98.6%	12.6%
PLO 4	89%	98.5%	9.5%

Summary of PLOs Assessment for this Review Cycle

Year	PLO1	PLO2	PLO3	PLO4
2016-2017	95.70%	97.70%	95.80%	95.70%
2017-2018	100%	100%	100%	100%
2018-2019	100%	100%	100%	100%
AVG	98.5%	99.2%	98.6%	98.5%

It was indicated in this program review that the proficiency level of all student in each PLO met the 70% expected outcome. Therefore, no further actions needed at this time. The GE program will continue to offer program courses as they are, continue to asses all the program courses, and will stablish actions if needed for the improvement of all courses.

VI. Evaluation of Previous Program Review Action Plan(s)

Indicate the status of the previous program review action plans below. (Include all previous action plans.) Indicate the cycle and years of the previous program review.

Cycle:4th	Years:2013 - 2016

Action Plan Activity/Objectives	Status Complete/Ongoing/Incomplete	Updates of Action Plan/s (Report action plan individually.)
Review and update of course outlines	Completed	All program courses were updated and modified with the approval of CPC chairman and members

Review and update course assessment document and process.	Completed	All courses were assessed and reviewed, support documents are all kept in electronics copy and actions are stablished as needed in the course to improve proficiency level.
Professional development	Ongoing	Every year, before closing and opening of the school semester, the Dean of the academic affairs is always providing training for all faculties
Purchase of Shop/Laboratory tables and chairs	Completed	4 Newly Shop Rooms/ Laboratory, one conference room were constructed and new tables and chairs were provided by the college to ensure success in students training. These facilities provided safety, quality training, and conducive learning environment
Construction of shelves and student cabinet	Ongoing	The needed shelves and cabinet for securing and storing students training materials, tools and equipment are still on going. This is to provide student conducive learning environment and safety.
Purchase of Personal student Tools and material	Ongoing	Purchased of student personal tools were always made before the beginning of school year. This is to helped and create opportunities for the student to develop and practice their skills outside the school campus.
Purchase of additional training equipment and tools –	Ongoing	Purchase of the needed training equipment and tools were provided by the college
Develop student work book per course	Ongoing	Creating student workbook per course are still on going, and constantly updating the content to provide relevant training activities for the student.

Provide Summary of the Evaluation of Previous Program Review Action Plans and analysis results in the box below. Summary should include what measurable outcomes were achieved due to the actions completed; were the completed action plans led to improvement of student learning and student achievement; provide a detailed explanation of action plans that are ongoing and plans that are incomplete.

Three from the previous action plan were completed; first, the review and update of course outlines that provides an appropriate student learning outcomes and relevant training, second, the review and update of course documents and process that helps the program instructors to gather realistic data, analyzed them accurately, and stablish proportionate actions to improve course training delivery, methodology as well as students proficiency, and third is purchased of shop tables and chairs that provides conducive learning environment and safety which is one of the key factor to achieve the 70% expected students proficiency level.

Five from the action plan are still ongoing;

Professional development of faculty involve in the program is, ongoing, continuously searching, and waiting for opportunities to come.
All updates pertaining the GE program courses received by the faculty during the training were utilized to review all program courses, modify if necessary to improved student learning outcomes and student's proficiency level. Sending faculty in training and seminars will not only help the program to improve, but it will also boost the morale of the faculty and revitalized his/her visions/missions to actively improve the program.

Construction of shelves and student cabinet are still on going because the shop rooms are under construction.

Purchased of student personal tools are continuously made before the beginning of school year. This is to helped and create opportunities for the student to develop and practice their skills not only in the school but also outside the school campus.

70% of the Equipment and tools needed by the GE program are already been purchased and some are still ongoing because some of the equipment specifications are no longer available in the market and needs to be replaced by new one.

Faculty is continuously writing an information sheets and activity sheets to be used by the students in their laboratory practice, and later to compile them and use it as a workbook. This compiled material needs a perpetual review by the faculty whether the information and instructions are written in a manner that individual student can easily understand and fallowed. Feedback from the student and the evaluation results of student activities are factors to be considered in developing student's workbook.

VII. Action Plans

Based on this program review results, describe the program action plan for the next three (3) academic years. Include necessary resources.

Action Plan Activity/Objectives	How will this action plan improve student learning outcomes? (CLO, PLO, ILO)	Needed Resources (if any)	Timeline
Review and update of course outlines	This plan ensures that all course outlines are up to date and that they are aligned with the CLOs, PLOs, and ILOs.	None	Summer 2022
Review and update course assessment document and process.	This plan ensures that learning outcomes on each course are properly assess and implemented	None	Summer 2022

Professional development	This plan ensures that GE faculty is always up to date in electronics technology and delivering up to date information and instructions to the student.	Funding to allow GE faculty attend trainings, workshops, and conferences in GE related topics.	Ongoing
Construction of new shop rooms, shelves and student cabinet	This plan is to provide student conducive learning environment and safety.	Funding needed to construct new shop rooms, shelves, and student cabinet.	Summer 2022
Purchase of Personal student Tools and material	This ensures that necessary tools and materials are available for students and faculty teaching GE courses.	Funding to buy personal tool and materials for student and be available at PCC store.	Before the start of Fall and Spring semester
Purchase of addition training equipment and tools –	To equalize the ratio of shop equipment per student in order to increase learning efficiency and instructions.	Funding to buy additional training equipment and tools for the GE shop	Ongoing
Program Recruitment	Plan and organize activities that help the program increase enrollment	Funding recruitment activities	Summer 2022

Provide Summary of <u>Action Plans</u> in the box below. Summary should include program major strengths; program needs and any recommendations for improvements based on assessment results, data and/or other college major plans. The summary needs to indicate overall program needs that may require financial support from the institution.

The first major strength of the GE program is having a qualified and competent faculty that delivers quality education and training to the students, they are well trained, well versed, and have a long experience in teaching technology. However, their vocation needs to be refreshed and updated because technology in education and industries are evolving and progressing, and their skill and knowledge should always on tracks to current trends of technology so that they can appropriately share their expertise to the student and maintain a high proficiency level. The administration should highly support the professional development of the faculty to ensure progress in the program.

The second major strength of the program is- It provides students with hands-on trainings in electronics and develops their initiatives to be self-employed individuals. However, the program needs a constant support from the administration ensuring that all the requested instructional materials, tools and equipment will be purchased in timely manner. Another thing is- the college should help the student to acquire their personal tools through their federal financial aid, because this will help them to render services to community and earn money during their training, it provides them also an opportunity to practice, harness, and develop their skills outside the campus, and also helping them to be self-employed later on.

VIII. Resource Requests

Itemize resource request below.

Type of Resource	Detailed Description	Estimated Amount Requested	Justification
Personnel	Personnel	Not at this Time	
Equipment	Video training Equipment	$2,000	Student needs to learn how to repair new types of TV such as LCD/LED TV. How to install CCTV camera, repair of Projector, Document camera and other video equipment. Which are all in the approved course outlines of GE program signed by CPC chairperson.
	Audio Training Equipment	$2,000	Service and repair of audio equipment such as Speaker, Amplifier, Audio Mixer, Microphone, and Audio Player are all in the CLOs of GE214 approved by the CPC.
	Computer training Equipment	$10,000	The computers presently using by the GE program are all owned by MAP program. They are all old running in Widows 7. Student need to train in New trends of technology so that they can match the demand skills in the market. This equipment is also needed in GE116, GE128, GE212 and GE217 training courses.
	Electronic Communication Training Equipment	$5,000	HF and VHF Radio, Antenna are needed in GE126 training course. It provides knowledge and skills for the student in Installation, Setup, and Operating the Radio equipment as well as maintenance
Supplies	Shop Maintenance Materials	$1000 per year	Shop maintenance materials are needed to sustain conducive learning on the room, provide safety around the shop, and to maintain all equipment, tools and instruments always in good running conditions.

	Office Instruction Materials	$500 per year	Office instruction and materials are important to aid instructor in teaching, conveying information, direction to student activities, keeping record of the student's attendance and performance, and to organized student works/ activities.
	Student Instructional and Consumable training materials	$4,000 per year	
Software	Computer OS Software	$1000	License OS for new version of MS windows are highly needed for the computer training. It is a must that every computer that uses MS windows must be license
	Computer Utility Software	$1000	License Utility Disk is to provide software maintenance and hardware diagnostic capability. This software is important for technician to accurately determine the problem of computer and safely fix it.
Training	• Robotic Training • LCD TV Repair Training • Radio Communication Training. • Industrial related Training • Computer Related Training	At least $3,500 per participants per training	• Training in Robotic is the first priority of for faculty to update his skills in this new trend of technology • Faculty is in need to attend training in LCD/LED TV repair get fresh ideas and concept in repairing it. • Training in Radio communication is the 2nd priority needed by the faculty to strengthen student learning comes in this area. • Related training in industrial and computer is the 3rd priority needed by the faculty to strengthen the CLOs of the related courses in the program.
Other	None at this time		
Total		$30,000.00	

Provide Summary of Resource Request in the box below. Summary should connect the resources requested to course, program and institutional learning outcomes assessment results and/or any other college major plans.

Video equipment, Audio equipment, Electronics Communication equipment are to support for the development of knowledge and skills of the GE student as operator, repair and maintenance technician under PLO2.Service and Repair of Electronics Consumer Products. Computer Equipment, Computer OS software and Utility Software will used to support for the development of knowledge and skills of the student in service, repair and maintence of PC computer under PLO4. Shop maintenance materials, Office instructional materials, Student consumable training materials are all to support the development of knowledge and skills of the student under PLO1-Electronics Circuit Assembly and Manufacturing and PLO3- Service and Repair of Industrial Devices and Control Equipment.
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Do not forget to include all your required evidence. Required evidence is listed on page 2 of this template.