"We Strive to Guarantee Quality and Excellence"

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.

T1 - Instructional Programs
(Academic Degree & Certificate Programs)
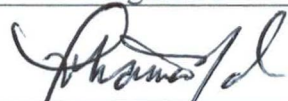
Three Year Program Review

Degree / Certificate Program

Information Technology

Period of Three Year Review

Fall 2018 to Summer 2021

Program Review <u>Completed</u> By:

Name	Title	Signature	Date
Johvanna Yaoch *Associate Professor,* *Information Technology*	Chairperson, Information Technology Program		6/14/2022

Program Review <u>Certified</u> By:

Name	Title	Signature	Date
Deikola Olikong	Dean, Academic Affairs	for M temaungl	6/14/22

Program Review <u>Received</u> By: (Institutional Research & Evaluation Office)

Name	Title	Signature	Date
Ligaya Sara	Institutional Researcher		6/15/2022

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 **<u>green</u>**, 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 in pdf 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.

As stated on page 69 of the 2020-2024 Palau Community College (PCC) General Catalog, the Information Technology (IT) program is designed for individuals interested in professional careers in the IT field. The program provides basic knowledge and skills needed for employment or for the pursuit of a higher education in the field.

The primary objective of the IT program is to present to students a general overview of the field and give them the opportunity to learn and explore various disciplines or areas within the field. Such areas include computer programming, common office applications, website development, computer networking, and troubleshooting hardware/software. Following are the IT Program Learning Outcomes (PLOs):

1. Plan, design, and develop a **computer program** to demonstrate an understanding in the following: process of flowcharting programs, process of pseudocoding and documenting programs, process of writing computer programs using a programming language and applications, and the process of compiling and debugging programs.

2. Create various documents and files to demonstrate a thorough understanding in using various **office applications** such as utilizing advance features of word-processing, presentation, spreadsheet, and database applications.

3. Propose, plan/design, and create a **web-based** project to demonstrate an understating in the process of writing project proposals, process of planning and designing web-based applications, different web supported programming languages, process of uploading and managing web applications, and an understanding in computer networking and protocols.

4. Propose, plan/design, and create a computer network to demonstrate an understating in the process of identifying different hardware, determining hardware compatibility, process of planning and designing **computer network**, and the process of **troubleshooting** networking and other computer related problems.

5. Propose, plan/design, and create a **database** to demonstrate an understanding in the basic principles of database design including the development of data models, establishment of entity relationships, determine appropriate degree of normalization, identify and design special keys, and addressing access and security concerns.

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

PCC Mission Statement:
"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" (2020-2024 Palau Community College General Catalog, p. 11).

The IT program aligns with and continues to support the mission of the College. As described in the previous IT Program Review:

> "The IT program supports the PCC Mission statement as it helps to meet the technical, academic, cultural, social, and economic needs of students and communities by promoting learning opportunities and developing personal excellence. The IT program helps to meet the **technical and academic** needs of students by exposing them to computer technology, software, and other related tools as well as providing instructions to help them gain the experience and skills needed in the field. Additionally, qualified faculty oversee IT courses geared specifically for program majors ensuring that students receive the necessary skills and experiences to enable them to find employment after graduation or pursue higher education in the field. The IT program helps to meet the **cultural** needs of students in the field by exposing them to the culture of information technology and allowing them to explore and discuss how the evolution of technology has molded and influenced our cultural beliefs and practices as well as our way of life. Students are given the opportunity to learn the history of different technologies as well as different theories, methods, and techniques used by professionals in the field. As a result, students learn to appreciate the evolution and culture of technology as well as have the opportunity to apply what they learn in activities and projects assigned during their studies as IT majors. The IT program helps to meet the **social** needs of students by giving them the opportunity to work with clients on course/field related projects. Throughout their studies as IT majors, students are paired with clients to plan, design, develop, or assist in various IT related projects such as website, software, and database developments as well as troubleshooting computer problems. Such exposure not only helps improve students' social and communication skills but also helps them become more confident in their skills as well as build connections with individuals and organizations that may help them when they begin to seek employment. The IT program helps to meet the **economic** needs of students by providing them with the opportunity to learn necessary skills and obtain experiences needed to find employment after graduation or pursue higher education in the field. The IT program **promotes learning opportunities for students and communities** and **developing personal excellence** by hiring qualified faculty to teach courses and oversee the entire IT program. Additionally, as part of the IT courses specifically geared toward IT majors, students are given the opportunity to work with clients in the community. Such activities promote learning opportunities for students and community members as well as develop personal excellence."

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

The IT program was proposed and approved in fall 2005. In fall 2008, the program graduated its first student. To date, the program has graduated a total of **43** students (*Refer to Chart 3.1*). All **43** graduates of the IT program are from Palau. Of the 43 graduates, **16** are males and **27** are females (*Refer to Chart 3.2*).
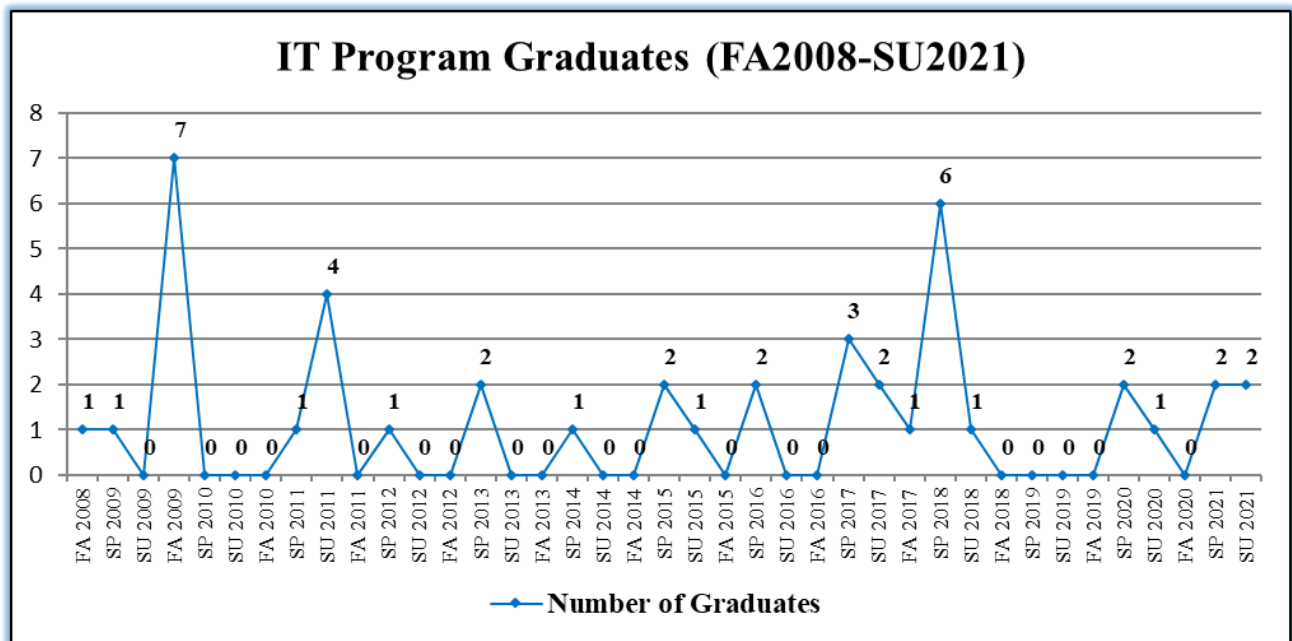
Chart 3.1. IT program graduates from fall 2008 to summer 2021.
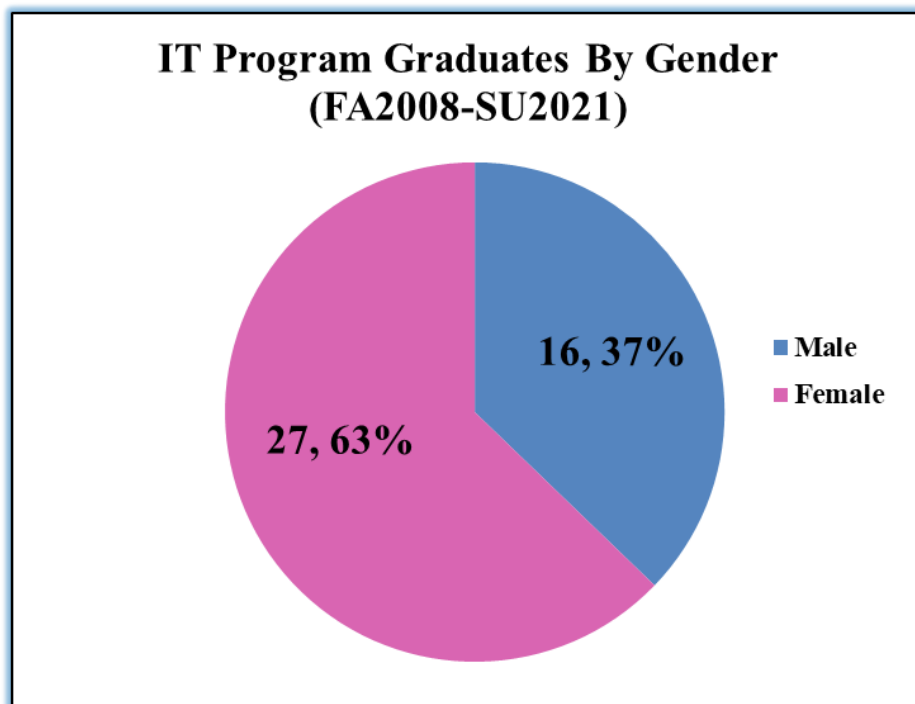To date, the program has graduated a total of 43 students.

Chart 3.2. Of the 43 IT program graduates from fall 2008 to summer 2021,
16 (or 37%) are males and 27 (or 63%) are females.

Major program changes and accomplishment since the last review:

1. In fall 2019, the IT program inherited the CS100: Computer Literacy course. The CS100 course outline modification in fall 2019 recoded CS100 to IT100 effective school year 2020-2021.

2. In spring 2020, the IT program underwent several major updates. A thorough review of all IT courses identified IT210: MS Applications Using Visual Basic as a possible course that the program may no longer need to offer. Current computer programming trends indicated that other languages have surpassed Visual Basic for Applications (VBA), the computer programming language taught in IT210, in terms of popularity and usage. This does not necessarily mean that VBA is now obsolete as it is still commonly used in environments where Microsoft products are more prominent. It is still beneficial for students to acquire knowledge and skills in the language, especially those who seek employment locally in the field immediately after graduating from the program. As such, the deletion of IT210 was proposed along with two new course proposals for IT217 and IT218. The two new proposed courses, IT217: Special Topics in Information Technology I and IT218: Special Topics in Information Technology II will provide students with the opportunity to obtain knowledge and skills in emerging issues or specialized content, such as VBA, that are outside the established IT Program curriculum but are very much relevant and appropriate to the field.

3. All IT courses continue to be assessed every time they are offered to ensure that all CLOs are being met. In the event that a CLO is not met, discussions take place in an effort to improve student performance and increase proficiency level.

4. The IT program allows students to explore various areas or specialties in the IT field. Program courses give students the opportunity to work on different projects in hopes that they would be able to identify or choose their area of interest in the IT field. Identifying their area of interest will allow students to build upon knowledge that they acquire in the classroom during their Internship or Instructor Directed Practicum.

   Below are some examples of projects that students enrolled in IT courses had the opportunity to participate in from fall 2018 to summer 2021:

Fall 2018
- **Website Design:**
  - Students developed a website for the Palau Adventist Schools (*Refer to Illustration 3.1*). The website is for both Seventh Day Adventist (SDA) Elementary School and Palau Mission Academy.
- **Troubleshooting Computer Problems:**
  - Students troubleshooted laptop screens (*Refer to Illustration 3.2*)
  - Students replaced computer hard drives and reinstalled operating systems (*Refer to Illustration 3.3*).
  - Students recovered files from malfunctioning computers hard drives (*Refer to Illustration 3.4*)
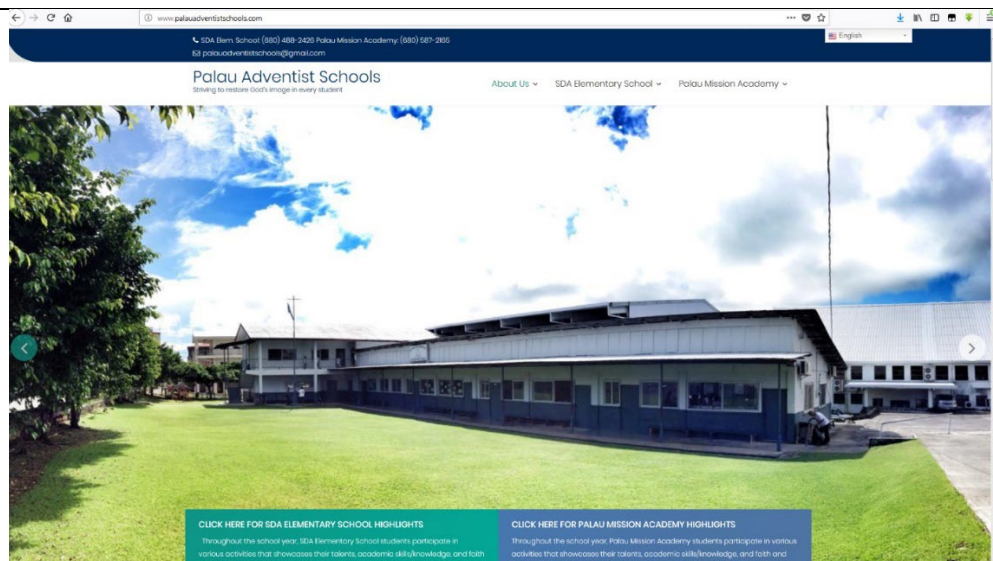
Illustration 3.1. Palau Adventist Schools website. Available online at www.palauadventistschools.com
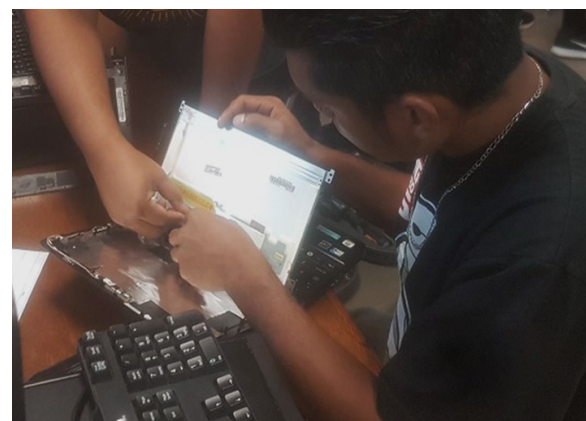

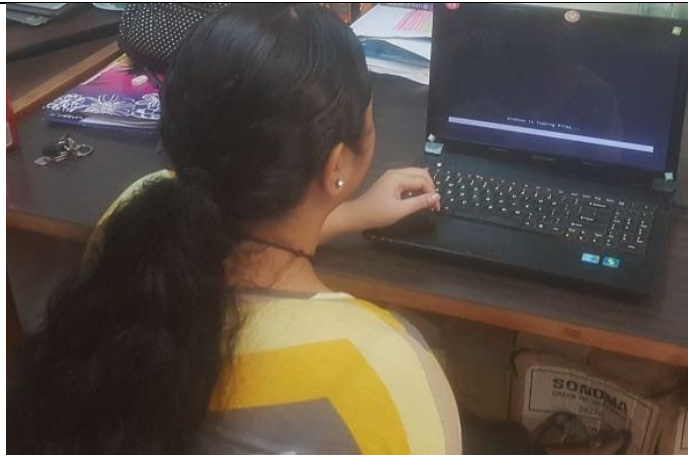**Illustration 3.2**. Troubleshooting laptop screens.

Illustration 3.3. Replacing computer hard drives and reinstalling operating systems

Illustration 3.4. Recovering files from malfunctioning computers hard drives

Spring 2019

- **Computer Programming:**
  - o Students developed quiz type games in Visual Basic (*Refer to Illustration 3.5*).
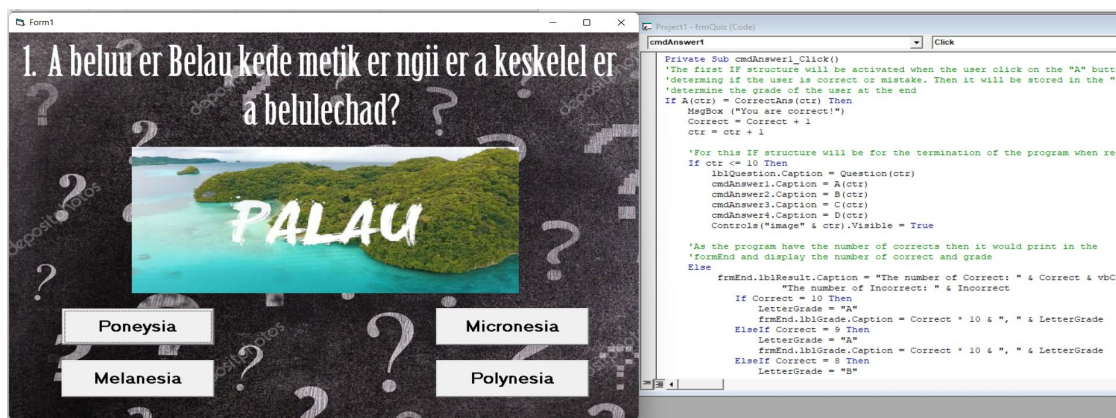

Illustration 3.5. Games developed in Visual Basic

Fall 2019

- **Website Design:**
    - Students developed a website for the Palau Community College Career Technical Education Lab School (*Refer to Illustration 3.6*).
- **Troubleshooting Computer Problems:**
    - Students cleaned laptop and desktop computers (*Refer to Illustration 3.7*)
    - Students connected computers to a shared printer (*Refer to Illustration 3.8*).
    - Students installed and configured a computer monitoring software (*Refer to Illustration 3.9*)
    - Students replaced computer hard drives and reinstalled operating systems (*Refer to Illustration 3.10*)
    - Students recovered files from malfunctioning computer hard drives (*Refer to Illustration 3.11*)
    - Students offered free computer troubleshooting services to students, staff, and community members in an effort to get more troubleshooting projects, giving them the opportunity to participate in more hands-on activities (*Refer to Illustration 3.12*)
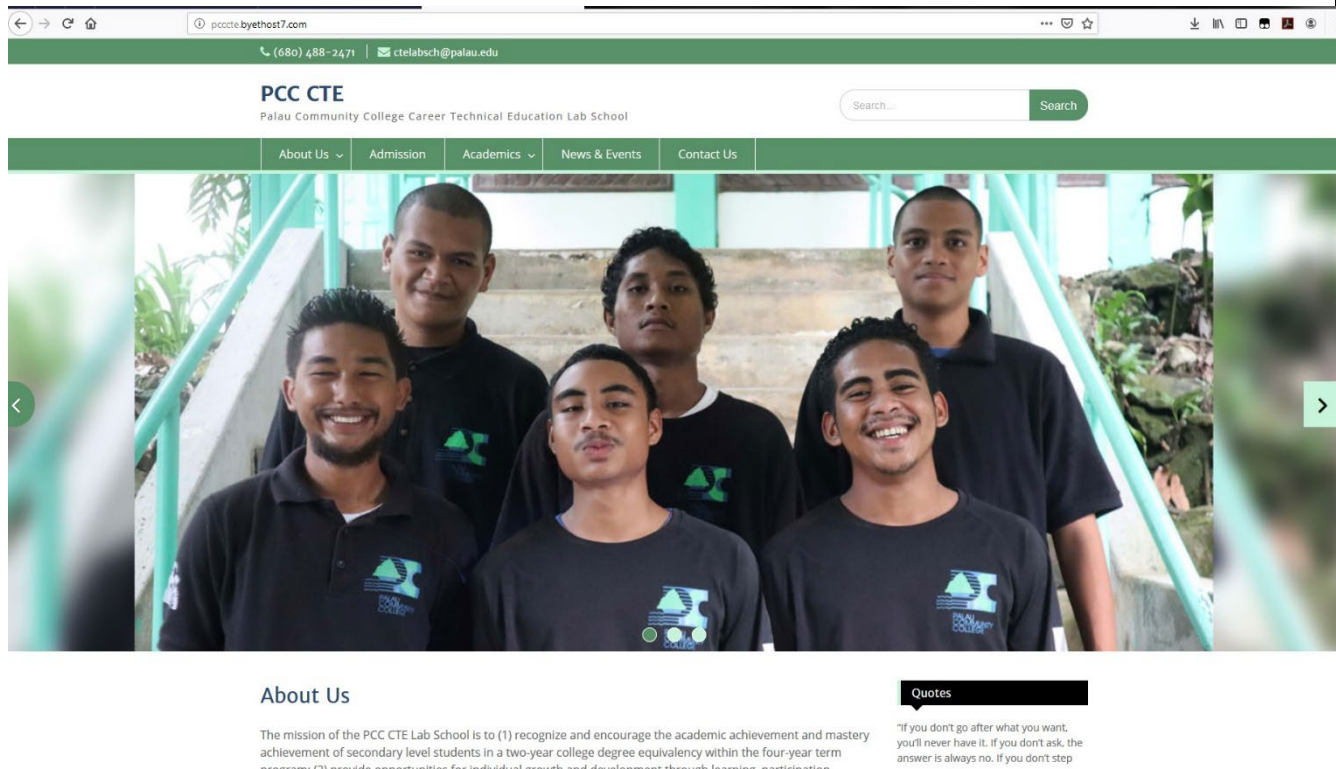
Illustration 3.6. Palau Community College Career Technical Education Lab School website.
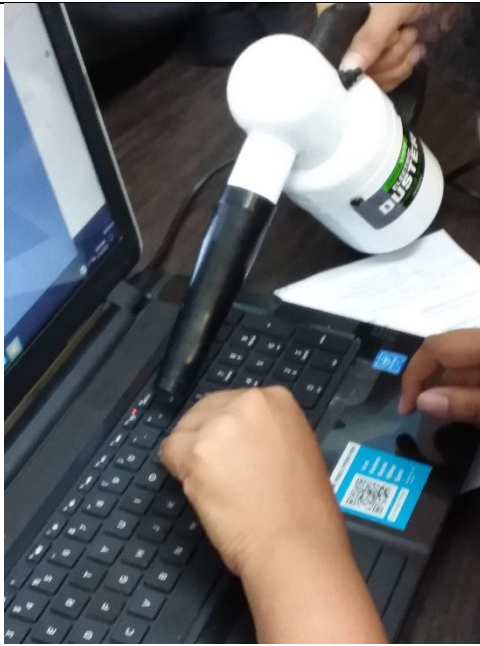
Illustration 3.7. Cleaning laptop and desktop computers

Illustration 3.8. Connecting computers to a shared printer
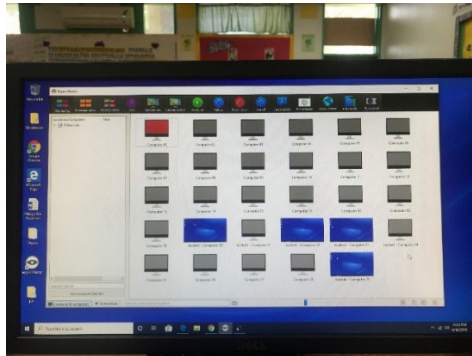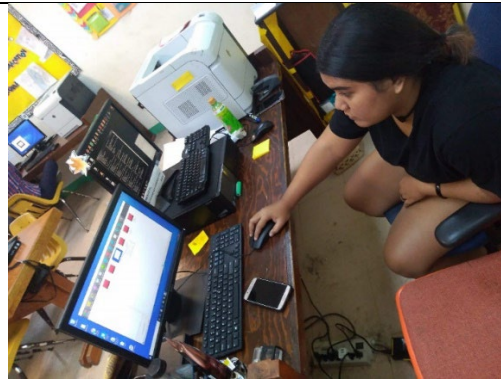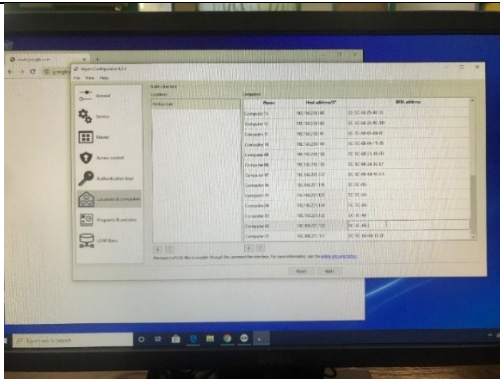
Illustration 3.9. Installing and configuring a computer monitoring software

Illustration 3.10. Replacing computer hard drives and reinstalling operating systems
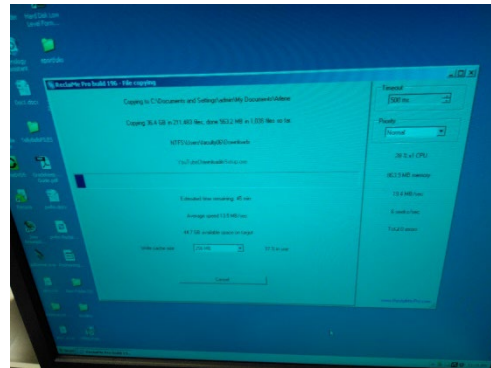
Illustration 3.11. Recovering files from malfunctioning computer hard drives

Illustration 3.12. Offering free computer troubleshooting services to students, staff, and community members in an effort to get more troubleshooting projects

- **Website Design:**
  - Students developed a website for the Belau Literary Arts Society (*Refer to Illustration 3.13*).
  - Students developed a website for the Bureau of Marine Transportation under the Ministry of Public Infrastructure, Industries, & Commerce of the Republic of Palau (*Refer to Illustration 3.14*)
- **Computer Programming:**
  - Students developed quiz type games in Visual Basic (*Refer to Illustration 3.15*).
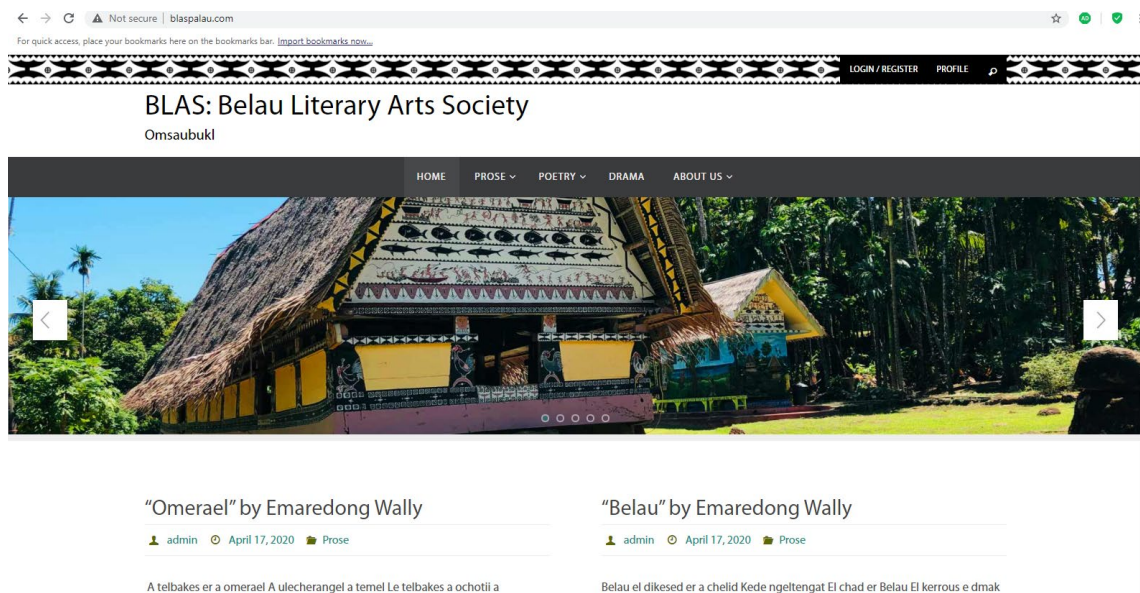
Illustration 3.13. Belau Literary Arts Society website

Illustration 3.14. Bureau of Marine Transportation website

Form1 — □ ×

Techa mle design er a banderang er Belau?

Blau Skebong   Dave Ngirailemesang

Project1 - frmQuiz (Code)

(General) — (Declarations)

```
    End If

End Sub

Private Sub cmdAns2_Click()

If cmdAns2.Caption = CorrectAns(ctr) Then
    MsgBox ("You Are Correct")
    Correct = Correct + 1

ElseIf cmdAns2.Caption <> CorrectAns(ctr) Then
    MsgBox ("You Are Incorrect")
    Error = Error + 1

End If

Controls("img" & ctr).Visible = False
ctr = ctr + 1

If ctr <= 10 Then

    Controls("img" & ctr).Visible = True
    lblQuestions.Caption = myQuestions(ctr)
    cmdAns1.Caption = FirstAns(ctr)
    cmdAns2.Caption = SecondAns(ctr)

ElseIf ctr = 11 Then
    grade = Correct * 10

    If grade >= 90 Then
```
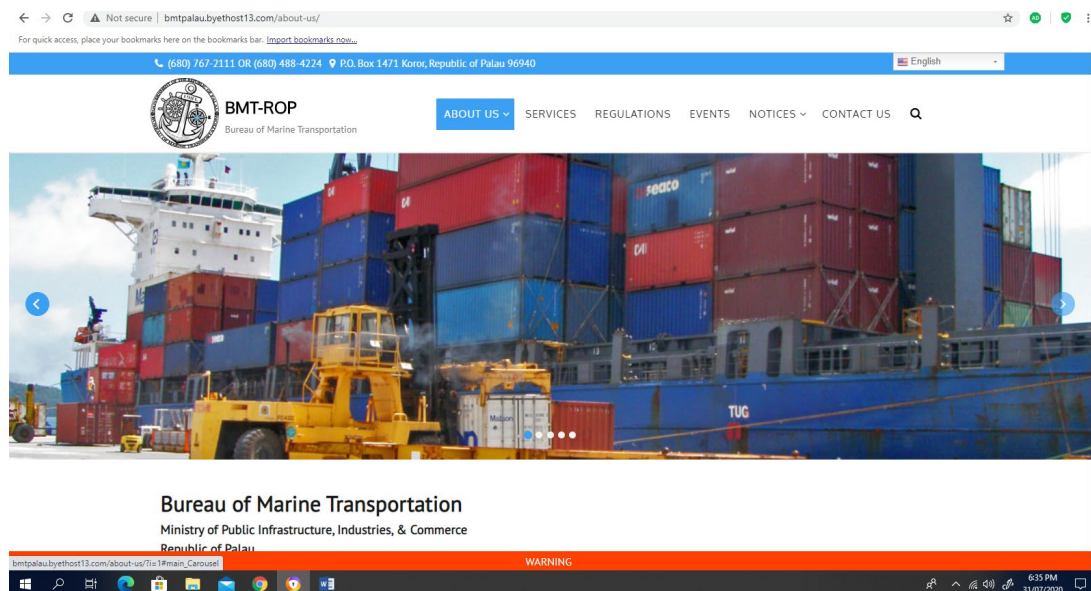
KEEP CALM IT'S ONLY A QUIZ

PLEASE ENTER YOUR NAME.

WHAT SCHOOL DO YOU ATTEND?

Start

FinalPROJ - questionFRM (Code)

General

```
Dim questions(1 To 10) As String
Dim option1(1 To 10) As String
Dim option2(1 To 10) As String
Dim correct(1 To 10) As String
Public canswer As Integer
Public wanswer As Integer
Dim counter As Integer
Dim control As String


Private Sub Form_Load()

counter = 1

'----- LBLQuestions Captions Here -----------------------
questions(1) = "Name the type of triangle based on the angle "
questions(2) = "Name the type of triangle based on the side"
questions(3) = "What is the formula for the circumference of a
questions(4) = "What is the formula for the area of a triangle"
questions(5) = "What is the perimeter of the square which has a
questions(6) = "The sum of 3 measure angles on any triangle alw
questions(7) = "Find the hypotenuse if a = 3 b = 4  "
questions(8) = "Find the volume of the cube which has a length
questions(9) = "Find the volume of the cone which has a radius
questions(10) = "Gravel is being dumped from a conveyor belt at

'----- CMDOPT1 Captions Here -----------------------
option1(1) = "a.) acute "
option1(2) = "a.) equilateral"
option1(3) = "a.) C = 2pir "
option1(4) = "a.) A = a + b + c  "
option1(5) = "a.) 28  "
```
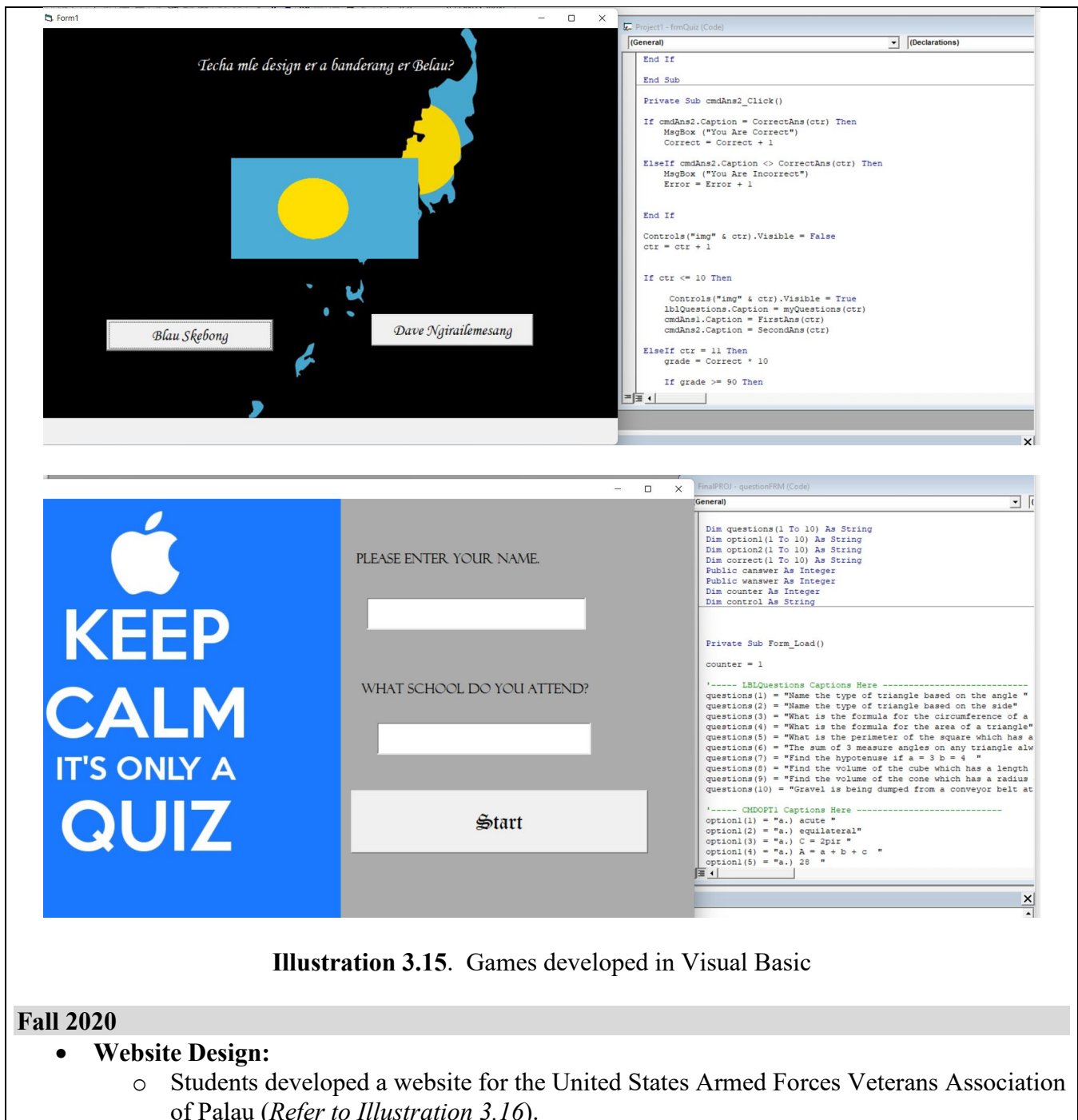
Illustration 3.15. Games developed in Visual Basic

Fall 2020

- **Website Design:**
    - Students developed a website for the United States Armed Forces Veterans Association of Palau (*Refer to Illustration 3.16*).
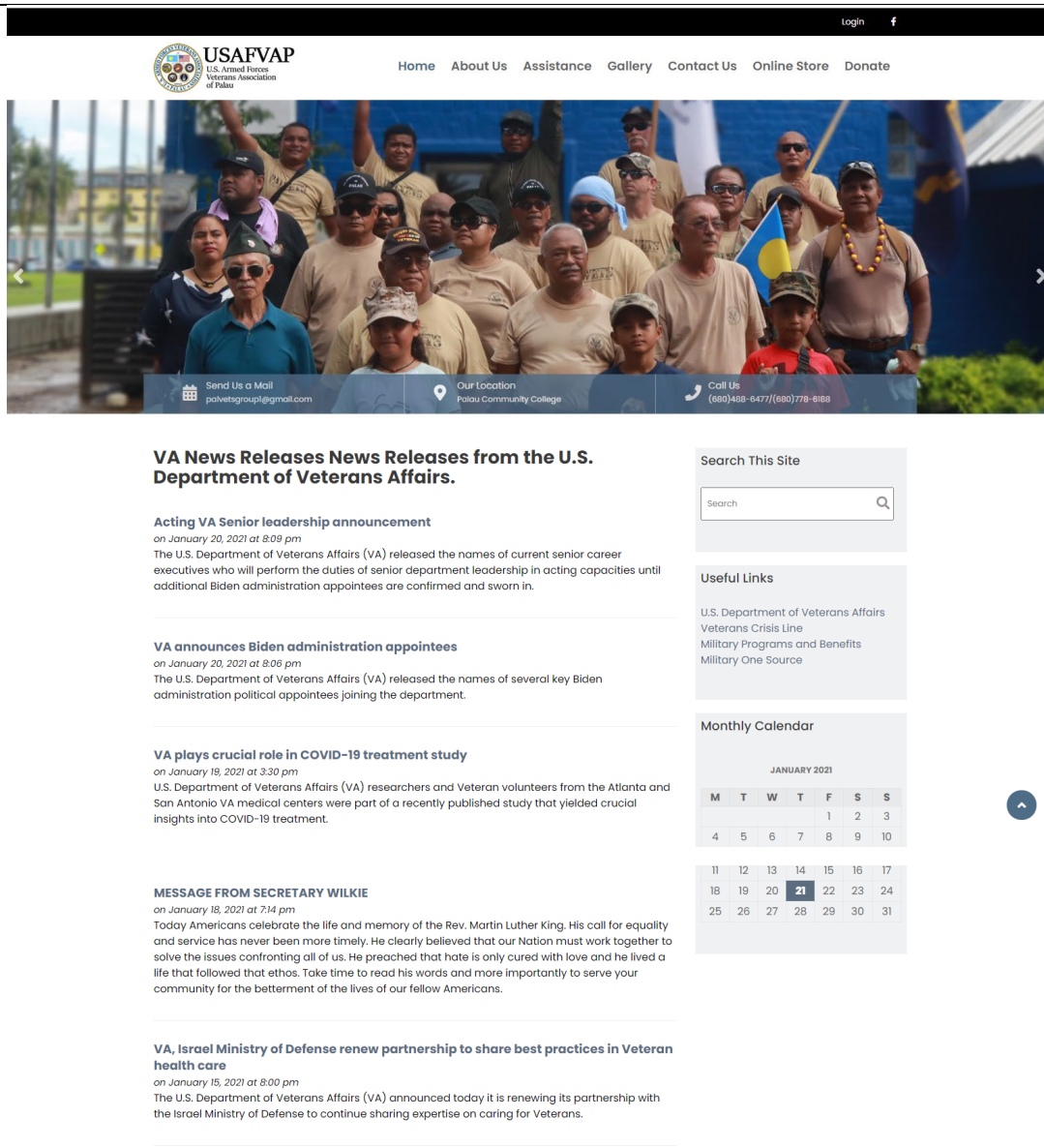
Illustration 3.16. United States Armed Forces Veterans Association of Palau website

Spring 2021

- **Computer Programming:**
  - o Students developed quiz type games in PowerPoint's Visual Basic for Applications (*Refer to Illustration 3.17*).
- **Other Project:**
  - o A student enrolled in the IT222: Instructor Directed Practicum developed/participated in the following projects:
    - ▪ Developed a website for the Koror SDA Church (*Refer to Illustration 3.18*)
    - ▪ Converted a paper-based survey into an e-survey for the Office of the President, Republic of Palau (*Refer to Illustration 3.19*)
    - ▪ Created an e-survey for The Nature Conservancy that was used to record collected paper-based survey data (*Refer to Illustration 3.20*)

- Created an Android Fish Quiz app in Thunkable to explore app development (*Refer to Illustration 3.21*)
- Created an Android PCC Phone Directory app in Thunkable to explore app development (*Refer to Illustration 3.22*)
- Initiated the development of the PCC Student Services Incident Report Database (*Refer to Illustration 3.23*)
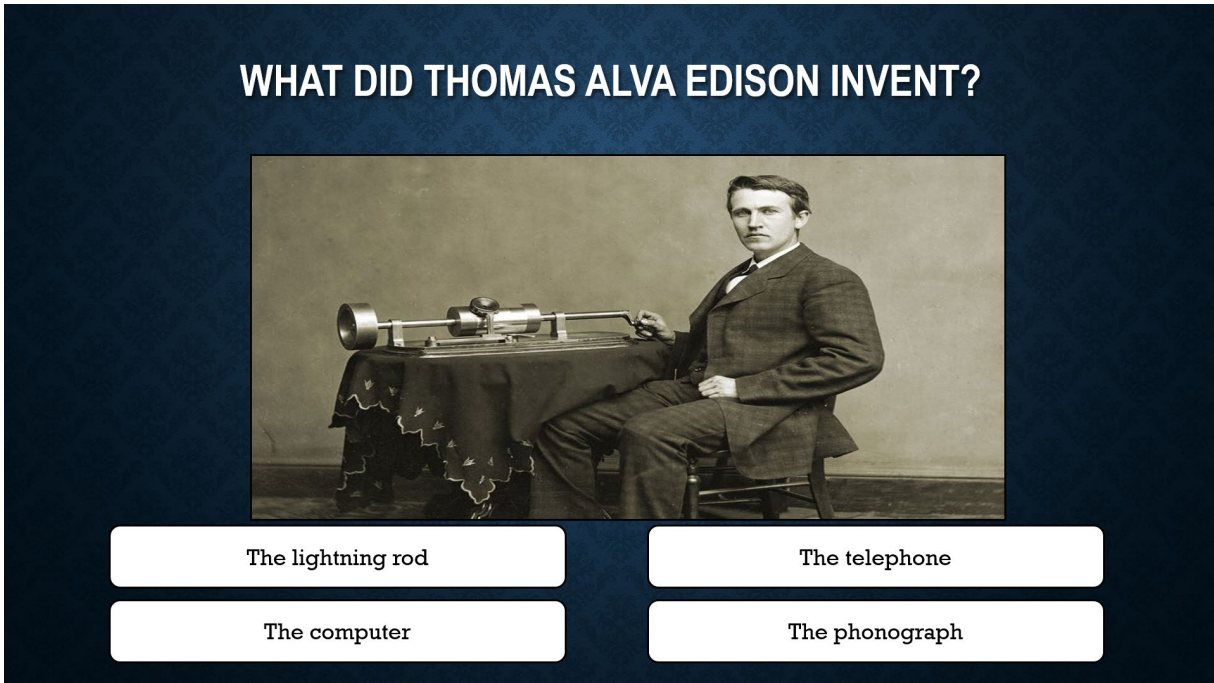

```vba
Public Sub CheckAns()

    If SelectedAns = SplitResults(5) Then
        correct = correct + 1
        ActivePresentation.Slides(5).Shapes("MSG").TextFrame.TextRange.Text = "You Are Correct ! "
        ActivePresentation.SlideShowWindow.View.GotoSlide (5)
    Else
        incorrect = incorrect + 1
        ActivePresentation.Slides(5).Shapes("MSG").TextFrame.TextRange.Text = "You Are Incorrect ! " & vbCrLf & "The correct answer is: " & SplitResults(5)
        ActivePresentation.SlideShowWindow.View.GotoSlide (5)

    End If

    ActivePresentation.Slides(5).Shapes("ResultNum").TextFrame.TextRange.Text = "number of correct: " & correct & vbCrLf & "number of incorrect: " & incorrect

End Sub

Public Sub Result()
Dim grade As Integer
Dim Lgrade As String

grade = correct * 10

If grade >= 90 Then
    Lgrade = "A"
ElseIf grade >= 80 Then
    Lgrade = "B"
ElseIf grade >= 70 Then
    Lgrade = "C"
ElseIf grade >= 60 Then
    Lgrade = "D"
Else
    Lgrade = "F"
End If

If grade >= 70 Then
ActivePresentation.Slides(6).Shapes(2).TextFrame.TextRange.Text = "Elementary History" & vbCrLf & grade & ", " & Lgrade & vbCrLf & "PASS"

Else
ActivePresentation.Slides(6).Shapes(2).TextFrame.TextRange.Text = "Elementary History" & vbCrLf & grade & ", " & Lgrade & vbCrLf & "FAIL"
```

Illustration 3.17. Games developed in PowerPoint's Visual Basic for Applications

Illustration 3.18. Koror SDA Church website

Illustration 3.19. E-survey for the Office of the President, Republic of Palau

Illustration 3.20. E-survey for The Nature Conservancy
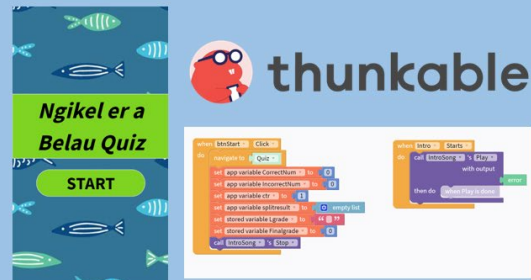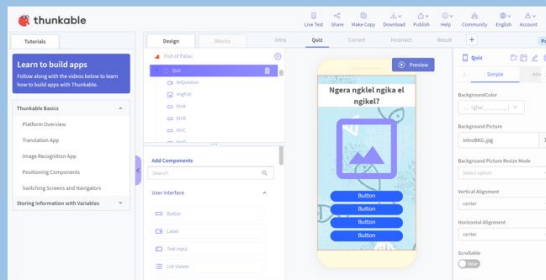
Illustration 3.21. Fish Quiz app
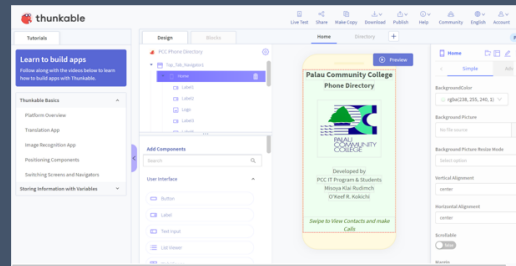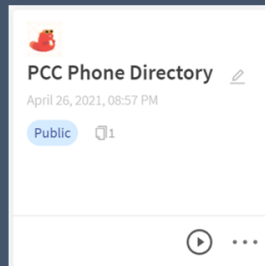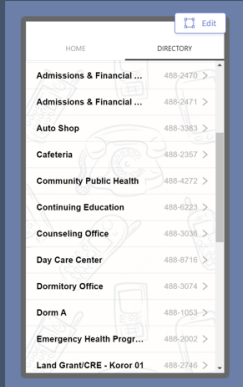
Illustration 3.22. PCC Phone Directory app

Illustration 3.23. PCC Student Services Incident Report Database

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

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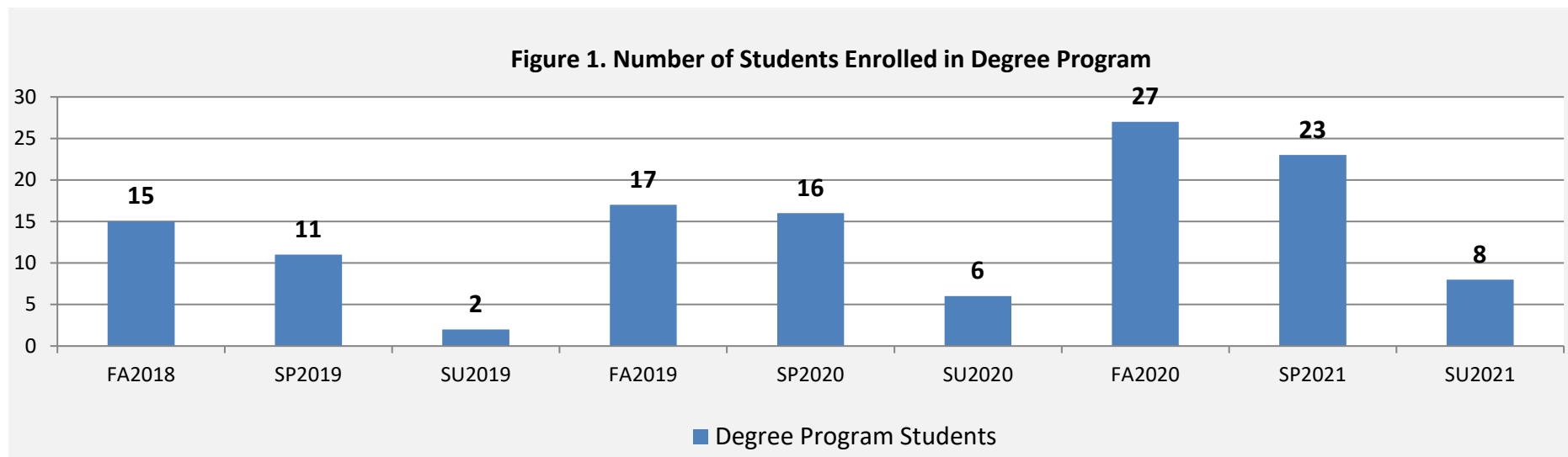
Provide summary of Figure 1 including its trends analysis.

According to the figure above, the program maintains an average of **13** IT program students every semester with fall having the highest number of students, followed by spring, and then summer. The program maintains an average of **19** students every fall semester, **16** students every spring semester, and **5** students every summer semester. Comparing the data from this cycle to that of the previous one, the enrollment numbers for this review cycle are slightly lower. Although the numbers are lower for this cycle, the slight difference still supports the consistency in the number of students enrolled in the program.

Number of Students Enrolled in IT Program - FA2018-SU2021 (This Review Cycle)												
FA2018	SP2019	SU2019	FA2019	SP2020	SU2020	FA2020	SP2021	SU2021	Semester Avg	FA Avg	SP Avg	SU Avg
15	11	2	17	16	6	27	23	8	13.9	19.7	16.7	5.3

Number of Students Enrolled in IT Program FA2015-SU2018 (Previous Review Cycle)												
FA2015	SP2016	SU2016	FA2016	SP2017	SU2017	FA2017	SP2018	SU2018	Semester Avg	FA Avg	SP Avg	SU Avg
12	15	5	23	20	7	26	24	4	15.1	20.3	19.7	5.3

You may insert more rows as needed

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

FA 2018					FA 2019					FA 2020				
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
CS100	2	0	1	**3**	**CS100**	4	0	0	**4**	**IT100**	9	0	1	**10**
IT105	3	0	0	**3**	**IT105**	1	1	0	**2**	**IT105**	5	0	1	**6**
IT110	7	0	1	**8**	**IT110**	4	0	0	**4**	**IT110**	9	1	0	**10**
IT200	3	0	0	**3**	**IT200**	4	0	0	**4**	**IT200**	3	0	0	**3**
IT215	3	0	1	**4**	**IT205**	6	0	0	**6**	**IT205**	4	0	0	**4**
IT220	2	0	1	**3**	**IT215**	6	0	1	**7**	**IT215**	5	0	0	**5**
					IT220	6	0	0	**6**	**IT220**	4	0	0	**4**

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

SP 2019					SP 2020					SP 2021				
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
CS100	1	0	0	**1**	**CS100**	1	0	0	**1**	**IT100**	1	0	0	**1**
IT105	2	0	0	**2**	**IT105**	3	0	0	**3**	**IT105**	8	0	1	**9**
IT115	6	0	1	**7**	**IT115**	5	0	0	**5**	**IT115**	6	1	0	**7**
IT120	7	0	0	**7**	**IT120**	5	0	0	**5**	**IT120**	4	2	0	**6**
IT125	6	0	1	**7**	**IT125**	5	0	1	**6**	**IT125**	5	1	0	**6**
					IT200	1	1	0	**2**	**IT210**	5	0	0	**5**
					IT210	5	0	0	**5**	**IT222**	1	0	0	**1**
					IT222	3	0	0	**3**					

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

SU 2019					SU 2020					SU 2021				
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
					CS100	2	0	0	**2**	IT100	2	0	0	**2**
					IT223	1	0	0	**1**	IT223	2	0	0	**2**

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

According to the tables above, the failure and withdrawal rate in IT courses for IT program students have been consistently low from fall 2018 to summer 2021. Below is a summary of the tables above that provides a clearer picture or representation of the pass, fail, and withdrawal trends in IT program courses for IT students. For reference, the summary of the previous review cycle's pass, fail, and withdrawal trends in IT program courses for IT students is also included below. For this cycle, about 92% of IT students enrolled in IT courses passed, about 2% failed, and about 6% withdrew. Comparing this review cycle to that of the previous one, the passing rate decreased by 5%, the failure rate remained the same at 2%, and the withdrawal rate increased by 5%.

FA2018-SU2021 (This Review Cycle)

Semester	%Passed	%Failed	%Withdraw	Enrolled
FA2018	83%	0%	17%	100%
SP2019	92%	0%	8%	100%
SU2019				
AVERAGE	88%	0%	13%	100%
FA2019	94%	3%	3%	100%
SP2020	93%	3%	3%	100%
SU2020	100%	0%	0%	100%
AVERAGE	96%	2%	2%	100%
FA2020	93%	2%	5%	100%
SP2021	86%	11%	3%	100%
SU2021	100%	0%	0%	100%
AVERAGE	93%	4%	3%	100%
Overall Average	92%	2%	6%	100%

FA2015-SU2018 (Previous Review Cycle)

Semester	%Passed	%Failed	%Withdraw	Enrolled
FA2015	100%	0%	0%	100%
SP2016	100%	0%	0%	100%
SU2016				
AVERAGE	100%	0%	0%	100%
FA2016	98%	0%	2%	100%
SP2017	98%	3%	0%	100%
SU2017	100%	0%	0%	100%
AVERAGE	99%	1%	1%	100%
FA2017	84%	9%	6%	100%
SP2018	96%	4%	0%	100%
SU2018	100%	0%	0%	100%
AVERAGE	93%	4%	2%	100%
Overall Average	97%	2%	1%	100%

Program Courses Data
Course Completion Data of UNDERLINE_ALL Students in each Program Course
(Does not apply for LA and SD Programs)

You may insert more rows as needed

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

FA 2018				FA 2019				FA 2020			
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
CS100	49	8	20	**77**	**CS100**	59	2	9	**70**	**IT100**	48	2	12	**62**
IT105	19	2	5	**26**	**IT105**	22	2	7	**31**	**IT105**	25	0	7	**32**
IT110	10	0	2	**12**	**IT110**	12	0	0	**12**	**IT110**	14	2	0	**16**
IT200	5	0	0	**5**	**IT200**	6	0	0	**6**	**IT200**	7	0	0	**7**
IT215	4	0	1	**5**	**IT205**	6	0	0	**6**	**IT205**	4	0	0	**4**
IT220	2	0	1	**3**	**IT215**	6	0	1	**7**	**IT215**	8	0	0	**8**
					IT220	6	0	0	**6**	**IT220**	4	0	0	**4**

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

SP 2019				SP 2020				SP 2021			
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
CS100	48	1	11	**60**	**CS100**	35	4	10	**49**	**IT100**	45	3	8	**56**
IT105	23	0	11	**34**	**IT105**	19	0	2	**21**	**IT105**	24	0	5	**29**
IT115	6	0	1	**7**	**IT115**	5	0	0	**5**	**IT115**	6	1	0	**7**
IT120	7	0	0	**7**	**IT120**	5	0	0	**5**	**IT120**	4	2	0	**6**
IT125	6	0	1	**7**	**IT125**	7	0	2	**9**	**IT125**	8	1	1	**10**
					IT200	1	1	0	**2**	**IT210**	5	0	0	**5**
					IT210	5	0	0	**5**	**IT222**	1	0	0	**1**
					IT222	3	0	0	**3**					

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

SU 2019				SU 2020				SU 2021			
Course	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled	**Course**	Passed	Failed	Withdraw	Enrolled
CS100	31	1	0	**32**	**CS100**	42	3	6	**51**	**IT100**	51	1	4	**56**
					IT223	1	0	0	**1**	**IT223**	2	0	0	**2**

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

Below is a summary of the tables above that provides a clearer picture or representation of the pass, fail, and withdrawal trends in IT program courses for all students. For reference, the summary of the previous review cycle's pass, fail, and withdrawal trends in IT program courses for all students is also included below. For this cycle, about 83% of all students enrolled in IT courses passed, about 4% failed, and about 13% withdrew. Comparing this review cycle to that of the previous one, the passing rate decreased by 7%, the failure rate decreased by 1%, and the withdrawal rate increased by 8%. Looking at the data, the failure and withdrawal rate are higher in the IT100 and IT105 which are the two courses required in most, if not all, degree programs.

FA2018-SU2021 (This Review Cycle)

Semester	%Passed	%Failed	%Withdraw	Enrolled
FA2018	70%	8%	23%	100%
SP2019	78%	1%	21%	100%
SU2019	97%	3%	0%	100%
AVERAGE	82%	4%	15%	100%
FA2019	85%	3%	12%	100%
SP2020	81%	5%	14%	100%
SU2020	83%	6%	12%	100%
AVERAGE	83%	5%	13%	100%
FA2020	83%	3%	14%	100%
SP2021	82%	6%	12%	100%
SU2021	91%	2%	7%	100%
AVERAGE	85%	4%	11%	100%
Overall Average	83%	4%	13%	100%

FA2015-SU2018 (Previous Review Cycle)

Semester	%Passed	%Failed	%Withdraw	Enrolled
FA2015	76%	15%	9%	100%
SP2016	94%	1%	5%	100%
SU2016				
AVERAGE	85%	8%	7%	100%
FA2016	88%	1%	11%	100%
SP2017	89%	8%	3%	100%
SU2017	100%	0%	0%	100%
AVERAGE	92%	3%	5%	100%
FA2017	84%	9%	7%	100%
SP2018	91%	6%	3%	100%
SU2018	100%	0%	0%	100%
AVERAGE	92%	5%	3%	100%
Overall Average	90%	5%	5%	100%

Figure 2. Number of Graduates
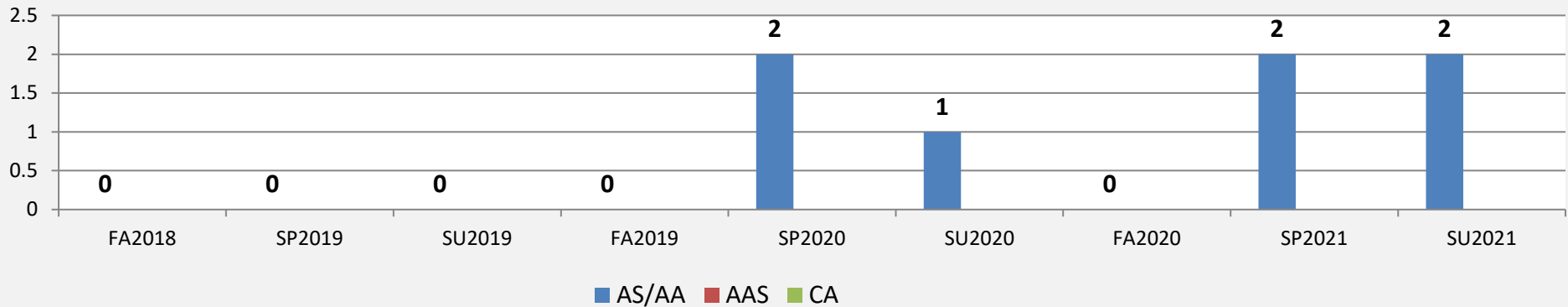
Provide summary of Figure 2 including its trends analysis.

Comparing the graduation rate covered in this program review to that of the previous one, the number of students who graduated from the IT program is significantly lower for this program review. For this program review, a total of 7 students graduated from the program. For the previous program review, a total of 15 students graduated from the program. These numbers indicate a decrease in approximately 53% in the graduation rate for the IT program.

FA2018-SU2021 (This Review Cycle)

Semester	AS
FA2018	0
SP2019	0
SU2019	0
FA2019	0
SP2020	2
SU2020	1
FA2020	0
SP2021	2
SU2021	2

FA2015-SU2018 (Previous Review Cycle)

Semester	AS
FA2015	0
SP2016	2
SU2016	0
FA2016	0
SP2017	3
SU2017	2
FA2017	1
SP2018	6
SU2018	1

Figure 3. Faculty Head Count
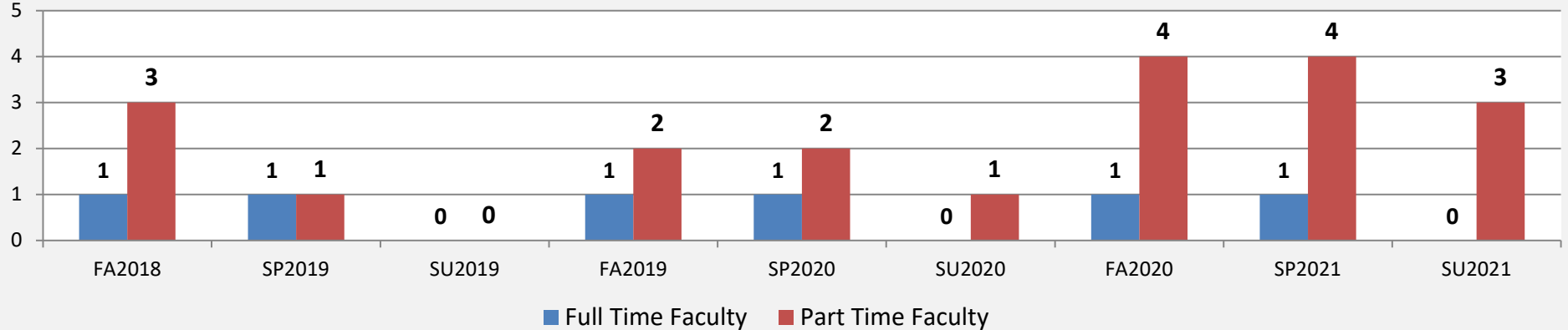
Provide summary of Figure 3 including its trends analysis.

Overall, the number of fulltime and part time faculty for this program review as well as the previous one has been very consistent. The IT program continues to maintain one fulltime IT faculty. Part time/adjunct faculty hired/assigned to teach IT courses are primarily current faculty and staff at the College. For this program review, only one adjunct faculty was hired to teach an IT course and that was in spring 2021 for IT100.

FA2018-SU2021 (This Review Cycle)

Semester	Full Time Faculty	Part Time Faculty
FA2018	1	3
SP2019	1	1
SU2019	0	0
FA2019	1	2
SP2020	1	2
SU2020	0	1
FA2020	1	4
SP2021	1	4
SU2021	0	3

FA2015-SU2018 (Previous Review)

Semester	Full Time Faculty	Part Time Faculty
FA2015	1	3
SP2016	1	1
SU2016	0	0
FA2016	1	3
SP2017	1	3
SU2017	0	1
FA2017	1	4
SP2018	1	3
SU2018	0	1

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
2018-2019	12	12	0	100%
2019-2020	13	13	Course Modifications: • CS100 recoded to IT100 o Effective fall 2020 • IT105 • IT110 • IT115 • IT120 • IT125 • IT200 • IT205 • IT215 • IT220 • IT222 New Courses: • IT217 • IT218 Course Deletion: • IT210	100%
2020-2021	13	13	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.

In fall 2020, the IT program officially inherited the CS100: Computer Literacy course. The CS100 course outline modification in fall 2019 recoded CS100 to IT100 and the first offering of the course as IT100 was in fall 2020. In Spring 2020, the IT program underwent several major updates. IT210 was deleted and IT217 and IT218 were proposed and approved by CPC. In the same semester, all other IT courses underwent the required 5-year update in which several courses changed titles, prerequisites, SLOs/content, text, and description. Refer to the table below:

Course	Changes
IT100	Recoded from CS100 to IT100
IT105	Text, prerequisite, SLO/content, course description, method of evaluation, CLO
IT110	Text, prerequisite, SLO/content, course description
IT115	Method of evaluation

IT120	Method of evaluation
IT125	Course description
IT200	Method of evaluation, CLO
IT205	Course description, CLO
IT210	DELETED COURSE
IT215	SLO/content
IT217	NEW COURSE
IT218	NEW COURSE
IT220	Title, course description, method of evaluation
IT222	Training rating sheet

IV. Course Assessment Data

Year 1: School Year 2018-2019 (FA18-SU19)

Semester Assessed	Course Assessed	CLO-PLO-ILO Mapping	Results of Assessments
Fall 2018	IT105	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 94.12% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed reached proficiency level.
		CLO 5 – PLO 2 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed reached proficiency level.
	IT110	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 81.82% of the students assessed reached proficiency level.
		CLO 2 – PLO 1 – ILO 1, 2, 3, 6	CLO 2: 81.82% of the students assessed reached proficiency level.
		CLO 3 – PLO 1 – ILO 1, 2, 3, 6	CLO 3: 81.82% of the students assessed reached proficiency level.
		CLO 4 – PLO 1 – ILO 1, 2, 3, 6	CLO 4: 81.82% of the students assessed reached proficiency level.
	IT200	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 80% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed reached proficiency level.
		CLO 5 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed reached proficiency level.

	IT215	CLO 1 – PLO 3 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 3 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 3 – ILO 1, 2, 3	CLO 3: 25% of the students assessed reached proficiency level.
	IT220	CLO 1 – PLO 4 – ILO 1, 2, 3	CLO 1: 50% of the students assessed reached proficiency level.
		CLO 2 – PLO 4 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 4 – ILO 1, 2, 3	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 4 – ILO 1, 2, 3	CLO 4: 0% of the students assessed reached proficiency level.
Spring 2019	IT105	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 37.50% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 77.78% of the students assessed reached proficiency level.
		CLO 5 – PLO 2 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed reached proficiency level.
	IT115	CLO 1 – PLO 4 – ILO 1, 2, 3	CLO 1: 33.33% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 4 – ILO 1, 2, 3	CLO 2: 50% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 4 – ILO 1, 2, 3	CLO 3: 33.33% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 4 – ILO 1, 2, 3, 6	CLO 4: 33.33% of the students assessed performed at the proficiency level.
	IT120	CLO 1 – PLO 5 – ILO 1, 2, 3	CLO 1: 57.14% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 5 – ILO 1, 2, 3	CLO 2: 85.71% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 5 – ILO 1, 2, 3	CLO 3: 85.71% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 5 – ILO 1, 2, 3, 6	CLO 4: 85.71% of the students assessed performed at the proficiency level.

	IT125	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 83.33% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1 – ILO 1, 2, 3, 6	CLO 2: 83.33% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 1 – ILO 1, 2, 3, 6	CLO 3: 83.33% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 1 – ILO 1, 2, 3, 6	CLO 4: 83.33% of the students assessed performed at the proficiency level.
		CLO 5 – PLO 1 – ILO 1, 2, 3, 6	CLO 5: 83.33% of the students assessed performed at the proficiency level.
Summer 2019	**NO IT COURSES OFFERED** Although the Course Completion data included CS100, CS100 was officially recoded and inherited by the IT program in fall 2019 and first offered as IT100 in fall 2020.		

Year 2: School Year 2019-2020 (FA19-SU20)

Semester Assessed	Course Assessed	CLO-PLO-ILO Mapping	Results of Assessments
Fall 2019	IT105	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 76.47% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 95.24% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 94.44% of the students assessed reached proficiency level.
		CLO 5 – PLO 2 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed reached proficiency level.
	IT110	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 83.33% of the students assessed reached proficiency level.
		CLO 2 – PLO 1 – ILO 1, 2, 3, 6	CLO 2: 83.33% of the students assessed reached proficiency level.
		CLO 3 – PLO 1 – ILO 1, 2, 3, 6	CLO 3: 83.33% of the students assessed reached proficiency level.
		CLO 4 – PLO 1 – ILO 1, 2, 3, 6	CLO 4: 83.33% of the students assessed reached proficiency level.
	IT200	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.

		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed reached proficiency level.
		CLO 5 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed reached proficiency level.
	IT205	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 1 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 1 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed performed at the proficiency level.
		CLO 5 – PLO 1 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed performed at the proficiency level.
	IT215	CLO 1 – PLO 3 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 3 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 3 – ILO 1, 2, 3	CLO 3: 83.33% of the students assessed reached proficiency level.
	IT220	CLO 1 – PLO 4 – ILO 1, 2, 3	CLO 1: 83.33% of the students assessed reached proficiency level.
		CLO 2 – PLO 4 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 4 – ILO 1, 2, 3	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 4 – ILO 1, 2, 3	CLO 4: 66.67% of the students assessed reached proficiency level.
Spring 2020	IT105	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed reached proficiency level.
		CLO 5 – PLO 2 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed reached proficiency level.
	IT115	CLO 1 – PLO 4 – ILO 1, 2, 3	CLO 1: 60% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 4 – ILO 1, 2, 3	CLO 2: 40% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 4 – ILO 1, 2, 3	CLO 3: 40% of the students assessed performed at the proficiency level.

		CLO 4 – PLO 4 – ILO 1, 2, 3, 6	CLO 4: 60% of the students assessed performed at the proficiency level.
	IT120	CLO 1 – PLO 5 – ILO 1, 2, 3	CLO 1: 60% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 5 – ILO 1, 2, 3	CLO 2: 80% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 5 – ILO 1, 2, 3	CLO 3: 80% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 5 – ILO 1, 2, 3, 6	CLO 4: 80% of the students assessed performed at the proficiency level.
	IT125	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 57.14% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1 – ILO 1, 2, 3, 6	CLO 2: 57.14% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 1 – ILO 1, 2, 3, 6	CLO 3: 57.14% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 1 – ILO 1, 2, 3, 6	CLO 4: 57.14% of the students assessed performed at the proficiency level.
		CLO 5 – PLO 1 – ILO 1, 2, 3, 6	CLO 5: 57.14% of the students assessed performed at the proficiency level.
	IT210	CLO 1 – PLO 1, 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1, 2 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 1, 2 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 1, 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed performed at the proficiency level.
	IT222	CLO 1 – PLO 1, 2, 3, 4, 5 – ILO 1-6	CLO 1: 100% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1, 2, 3, 4, 5 – ILO 1-6	CLO 2: 100% of the students assessed performed at the proficiency level.
Summer 2020	IT223	CLO 1 – PLO 1, 2, 3, 4, 5 – ILO 1-6	CLO 1: 100% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1, 2, 3, 4, 5 – ILO 1-6	CLO 2: 100% of the students assessed performed at the proficiency level.

Year 3: School Year 2020-2021 (FA20-SU21)

Semester Assessed	Course Assessed	CLO-PLO-ILO Mapping	Results of Assessments
Fall 2020	IT100	CLO 1 – PLO 4 – ILO 1, 2, 3, 6	CLO 1: 76.74% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 90% of the students assessed reached proficiency level.
		CLO 3 – PLO 2 – ILO 1, 2, 3, 6	CLO 3: 84.21% of the students assessed reached proficiency level.
		CLO 4 – PLO 2 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed reached proficiency level.
		CLO 5 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 5: 97.06% of the students assessed reached proficiency level.
	IT105	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 50% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 82.61% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed reached proficiency level.
	IT110	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 50% of the students assessed reached proficiency level.
		CLO 2 – PLO 1 – ILO 1, 2, 3, 6	CLO 2: 50% of the students assessed reached proficiency level.
		CLO 3 – PLO 1 – ILO 1, 2, 3, 6	CLO 3: 50% of the students assessed reached proficiency level.
		CLO 4 – PLO 1 – ILO 1, 2, 3, 6	CLO 4: 50% of the students assessed reached proficiency level.
	IT200	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed reached proficiency level.
	IT205	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed performed at the proficiency level.
	IT215	CLO 1 – PLO 3 – ILO 1, 2, 3, 6	CLO 1: 87.5% of the students assessed reached proficiency level.
		CLO 2 – PLO 3 – ILO 1, 2, 3, 6	CLO 2: 87.5% of the students assessed reached proficiency level.
		CLO 3 – PLO 3 – ILO 1, 2, 3	CLO 3: 25% of the students assessed reached proficiency level.
	IT220	CLO 1 – PLO 4 – ILO 1, 2, 3	CLO 1: 100% of the students assessed reached proficiency level.

		CLO 2 – PLO 4 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed reached proficiency level.
		CLO 3 – PLO 4 – ILO 1, 2, 3	CLO 3: 100% of the students assessed reached proficiency level.
		CLO 4 – PLO 4 – ILO 1, 2, 3	CLO 4: 25% of the students assessed reached proficiency level.
Spring 2021	IT100	CLO 1 – PLO 4 – ILO 1, 2, 3, 6	CLO 1: 72.22% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 95.45% of the students assessed reached proficiency level.
		CLO 3 – PLO 2 – ILO 1, 2, 3, 6	CLO 3: 89.13% of the students assessed reached proficiency level.
		CLO 4 – PLO 2 – ILO 1, 2, 3, 6	CLO 4: 97.78% of the students assessed reached proficiency level.
		CLO 5 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 5: 89.19% of the students assessed reached proficiency level.
	IT105	CLO 1 – PLO 2 – ILO 1, 2, 3, 6	CLO 1: 87.5% of the students assessed reached proficiency level.
		CLO 2 – PLO 2 – ILO 1, 2, 3, 6	CLO 2: 63.64% of the students assessed reached proficiency level.
		CLO 3 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 3: 91.67% of the students assessed reached proficiency level.
		CLO 4 – PLO 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed reached proficiency level.
	IT115	CLO 1 – PLO 4 – ILO 1, 2, 3	CLO 1: 66.67% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 4 – ILO 1, 2, 3	CLO 2: 16.67% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 4 – ILO 1, 2, 3	CLO 3: 33.33% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 4 – ILO 1, 2, 3, 6	CLO 4: 66.67% of the students assessed performed at the proficiency level.
	IT120	CLO 1 – PLO 5 – ILO 1, 2, 3	CLO 1: 50% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 5 – ILO 1, 2, 3	CLO 2: 83.33% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 5 – ILO 1, 2, 3	CLO 3: 83.33% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 5 – ILO 1, 2, 3, 6	CLO 4: 83.33% of the students assessed performed at the proficiency level.

	IT125	CLO 1 – PLO 1 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 1 – ILO 1, 2, 3, 6	CLO 3: 100% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 1 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed performed at the proficiency level.
		CLO 5 – PLO 1 – ILO 1, 2, 3, 6	CLO 5: 100% of the students assessed performed at the proficiency level.
	IT210	CLO 1 – PLO 1, 2 – ILO 1, 2, 3, 6	CLO 1: 100% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1, 2 – ILO 1, 2, 3, 6	CLO 2: 100% of the students assessed performed at the proficiency level.
		CLO 3 – PLO 1, 2 – ILO 1, 2, 3, 6	CLO 3: 40% of the students assessed performed at the proficiency level.
		CLO 4 – PLO 1, 2, 5 – ILO 1, 2, 3, 6	CLO 4: 100% of the students assessed performed at the proficiency level.
	IT222	CLO 1 – PLO 1, 2, 3, 4, 5 – ILO 1-6	CLO 1: 100% of the students assessed performed at the proficiency level.
		CLO 2 – PLO 1, 2, 3, 4, 5 – ILO 1-6	CLO 2: 100% of the students assessed performed at the proficiency level.
Summer 2021	IT223	CLO 1 – PLO 1, 2, 3, 4, 5 – ILO 1-6	**NOT ASSESSED**
		CLO 2 – PLO 1, 2, 3, 4, 5 – ILO 1-6	**NOT ASSESSED**

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.

IT courses are assessed every semester when offered. Student proficiency levels are measured and action plans are established when the proficiency level falls below 70%. However, for some course assessments, action plans are established even when the required 70% of students assessed reached proficiency level in an effort to further improve student proficiency levels. There is constant informal dialog and information sharing between fulltime, part time, and adjunct faculty in an effort to ensure achievement of CLOs, PLOs, and eventually ILOs within the program. Refer to Appendix D for detailed course assessments.

V. Program Learning Outcomes (PLOs) Assessment

Year Assessed	PLO Assessed	Proficiency Levels	Results of Assessments
School Year 2018-2019 (FA2018-SU2019)	PLO 1	IT110 CLO 1 – 81.82% IT110 CLO 2 – 81.82% IT110 CLO 3 – 81.82% IT110 CLO 4 – 81.82% IT125 CLO 1 – 83.33% IT125 CLO 2 – 83.33% IT125 CLO 3 – 83.33% IT125 CLO 4 – 83.33% IT125 CLO 5 – 83.33%	82.66% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 2	IT105 CLO 1 – 100%, 100% IT105 CLO 2 – 94.12%, 37.50% IT105 CLO 3 – 100%, 100% IT105 CLO 4 – 100%, 77.78% IT105 CLO 5 – 100%, 100% IT200 CLO 1 – 80% IT200 CLO 2 – 100% IT200 CLO 3 – 100% IT200 CLO 4 – 100% IT200 CLO 5 – 100%	92.63% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 3	IT215 CLO 1 – 100% IT215 CLO 2 – 100% IT215 CLO 3 – 25%	75% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 4	IT115 CLO 1 – 33.33% IT115 CLO 2 – 50% IT115 CLO 3 – 33.33% IT115 CLO 4 – 33.33% IT220 CLO 1 – 50%	50% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was **not** met. Detailed analysis of

		IT220 CLO 2 – 100% IT220 CLO 3 – 100% IT220 CLO 4 – 0%	actual course assessments indicated the following action plans: • More activities will be given to students to ensure that they are familiar with different types of computer hardware and accessories and their functions. • More activities will be given to students to ensure that they are familiar with and understand important computer troubleshooting terminologies. Additionally, more time will be spent on reviewing important concepts/terminologies covered in the course. The IT program will continue to assess this PLO by assessing CLOs and further changes to course activities and teaching strategies will be made when the need arises. Further changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 5	IT105 CLO 3 – 100%, 100% IT105 CLO 4 – 100%, 77.78% IT120 CLO 1 – 57.14% IT120 CLO 2 – 85.71% IT120 CLO 3 – 85.71% IT120 CLO 4 – 85.71% IT200 CLO 3 – 100% IT200 CLO 4 – 100% IT200 CLO 5 – 100%	90.19% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
School Year 2019-2020 (FA2019-SU2020)	PLO 1	IT110 CLO 1 – 83.33% IT110 CLO 2 – 83.33% IT110 CLO 3 – 83.33% IT110 CLO 4 – 83.33% IT125 CLO 1 – 57.14% IT125 CLO 2 – 57.14% IT125 CLO 3 – 57.14% IT125 CLO 4 – 57.14%	87.23% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes

		IT125 CLO 5 – 57.14% IT205 CLO 1 – 100% IT205 CLO 2 – 100% IT205 CLO 3 – 100% IT205 CLO 4 – 100% IT205 CLO 5 – 100% IT210 CLO 1 – 100% IT210 CLO 2 – 100% IT210 CLO 3 – 100% IT210 CLO 4 – 100% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – 100% IT223 CLO 2 – 100%	and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 2	IT105 CLO 1 – 100%, 100% IT105 CLO 2 – 76.47%, 100% IT105 CLO 3 – 95.24%, 100% IT105 CLO 4 – 94.44%, 100% IT105 CLO 5 – 100%, 100% IT200 CLO 1 – 100% IT200 CLO 2 – 100% IT200 CLO 3 – 100% IT200 CLO 4 – 100% IT200 CLO 5 – 100% IT210 CLO 1 – 100% IT210 CLO 2 – 100% IT210 CLO 3 – 100% IT210 CLO 4 – 100% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – 100% IT223 CLO 2 – 100%	98.54% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 3	IT215 CLO 1 – 100% IT215 CLO 2 – 100% IT215 CLO 3 – 83.33% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – 100% IT223 CLO 2 – 100%	97.62% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.

	PLO 4	IT115 CLO 1 – 60% IT115 CLO 2 – 40% IT115 CLO 3 – 40% IT115 CLO 4 – 60% IT220 CLO 1 – 83.33% IT220 CLO 2 – 100% IT220 CLO 3 – 100% IT220 CLO 4 – 66.67% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – 100% IT223 CLO 2 – 100%	79.17% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 5	IT105 CLO 3 – 94.44%, 100% IT105 CLO 4 – 100%, 100% IT120 CLO 1 – 60% IT120 CLO 2 – 80% IT120 CLO 3 – 80% IT120 CLO 4 – 80% IT200 CLO 3 – 100% IT200 CLO 4 – 100% IT200 CLO 5 – 100% IT210 CLO 4 – 100% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – 100% IT223 CLO 2 – 100%	93.40% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
School Year 2020-2021 (FA2020-SU2021)	PLO 1	IT110 CLO 1 – 50% IT110 CLO 2 – 50% IT110 CLO 3 – 50% IT110 CLO 4 – 50% IT125 CLO 1 – 100% IT125 CLO 2 – 100% IT125 CLO 3 – 100% IT125 CLO 4 – 100% IT125 CLO 5 – 100% IT205 CLO 1 – 100% IT210 CLO 1 – 100% IT210 CLO 2 – 100% IT210 CLO 3 – 40% IT210 CLO 4 – 100% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – NOT ASSESSED IT223 CLO 2 – NOT ASSESSED	83.75% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.

	PLO 2	IT100 CLO 2 – 90%, 95.45% IT100 CLO 3 – 84.21%, 89.13% IT100 CLO 4 – 100%, 97.78% IT100 CLO 5 – 97.06%, 89.19% IT105 CLO 1 – 100%, 87.5% IT105 CLO 2 – 50%, 63.64% IT105 CLO 3 – 82.61%, 91.67% IT105 CLO 4 – 100%, 100% IT200 CLO 1 – 100% IT200 CLO 2 – 100% IT200 CLO 3 – 100% IT210 CLO 1 – 100% IT210 CLO 2 – 100% IT210 CLO 3 – 40% IT210 CLO 4 – 100% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – NOT ASSESSED IT223 CLO 2 – NOT ASSESSED	90.73% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 3	IT215 CLO 1 – 87.5% IT215 CLO 2 – 87.5% IT215 CLO 3 – 25% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – NOT ASSESSED IT223 CLO 2 – NOT ASSESSED	80% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.
	PLO 4	IT100 CLO 1 – 76.74%, 72.22% IT115 CLO 1 – 66.67% IT115 CLO 2 – 16.67% IT115 CLO 3 – 33.33% IT115 CLO 4 – 66.67% IT220 CLO 1 – 100% IT220 CLO 2 – 100% IT220 CLO 3 – 100% IT220 CLO 4 – 25% IT222 CLO 1 – 100% IT222 CLO 2 – 100% IT223 CLO 1 – NOT ASSESSED IT223 CLO 2 – NOT ASSESSED	71.44% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies will continue to be based on course assessment results and data.

| | PLO 5 | IT100 CLO 5 – 97.06%, 98.19%
IT105 CLO 3 – 82.61%, 91.67%
IT105 CLO 4 – 100%, 100%
IT120 CLO 1 – 50%
IT120 CLO 2 – 83.33%
IT120 CLO 3 – 83.33%
IT120 CLO 4 – 83.33%
IT200 CLO 3 – 100%
IT210 CLO 4 – 100%
IT222 CLO 1 – 100%
IT222 CLO 2 – 100%
IT223 CLO 1 – NOT ASSESSED
IT223 CLO 2 – NOT ASSESSED | 90.68% of students assessed reached proficiency level for this PLO. This means that the expected outcome of 70% was met. The IT program will continue to assess this PLO by assessing CLOs and changes to course activities and teaching strategies will be made when the need arises. Changes and implementations of course activities and teaching strategies 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.

Compared to the last program review, the proficiency level for PLO 1, 3, and 4 decreased while PLO 2 and 5 increased. PLO 1 decreased from 89.33% to 84.55% or a decrease of **4.78%** in proficiency level. PLO 2 increased slightly from 93.40% to 93.97% or an increase of **.57%** in proficiency level. PLO 3 decreased from 91.67% to 84.21% or a decrease of **7.46%** in proficiency level. PLO 4 decreased significantly from 84% to 66.87% or a decrease of **17.13%** in proficiency level. PLO 5 increased from 82.93% to 91.42% or an increase of **8.48%** in proficiency level.

PLO	FA2018-SU2021 Proficiency Level (This Review)	FA2015-SU2018 Proficiency Level (Previous Review)	Difference
PLO 1	84.55%	89.33%	**4.78%**
PLO 2	93.97%	93.40%	**.57%**
PLO 3	84.21%	91.67%	**7.46%**
PLO 4	66.87%	84%	**17.13%**
PLO 5	91.42%	82.93%	**8.48%**

The expected outcome of 70% was met for all PLOs except for PLO 4. Detailed analysis of actual course assessments indicated the following action plans:
- More course activities are needed to ensure that students are familiar with different types of computer hardware and accessories and their functions.
- More course activities are needed to ensure that students are familiar with and understand important computer troubleshooting terminologies.

Results of the implementation of these action plans will be revealed in the next program review cycle.

The IT program will continue to offer IT courses. The program will also continue to assess its PLOs by assessing the CLOs for courses offered. When the need arises, changes will be implemented to support student learning.

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: **5th**	Years: **FA2015 – SU2018**

Action Plan Activity/Objectives	Status Complete/Ongoing/Incomplete	Updates of Action Plan/s (Report action plan individually.)
Review and update the program, program course outlines, and other documentations (e.g. mapping)	**Completed** NOTE: This action plan was completed within this review cycle however, reviews and updates of the program, program course outlines, and other documentations are an ongoing tasks.	In spring 2020, the IT program underwent several major updates. IT210 was deleted and IT217 and IT218 were proposed and approved by CPC. In the same semester, all other IT courses underwent the required 5-year update in which several courses changed titles, prerequisites, SLOs/content, text, and description. Additionally, in summer 2020, the IT program mapping was updated.
Replace/upgrade IT computer laboratory classroom computers and all necessary software to support IT program courses.	**Completed** NOTE: This action plan was completed within this review cycle however, replacement/upgrade of computers and software is an ongoing task.	In fall 2020, the College purchased new computers for the IT computer laboratory classroom. The computers were received, installed, and were ready for use in spring 2021.
Research and experiment with open source software	**Ongoing**	IT faculty continue to explore open source software for possible usage and implementation to support program courses and activities.
Search for and participate in professional development activities	**Ongoing**	Technology related professional development activities are offered through the College's Center for Teaching Excellence. IT faculty continue to search for and participate in other professional development activities that can help improve and enhance instruction as well as perform other relevant teaching related tasks.

Participate in recruitment activities	**Ongoing**	IT program participates in the annual Career Technical Education Awareness Week in an effort to entice and recruit future IT students.
Search for grants to help support the IT program.	**Ongoing**	Continue to search for grants that can help support the IT program and its instructors and students.

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; and provide detailed explanation of action plans that are ongoing and plans that are incomplete.

The FA2015 – SU2018 IT Program Review identified the following 6 action plans:
1. Review and update the program, program course outlines, and other documentations (e.g. mapping)
2. Replace/upgrade IT computer laboratory classroom computers and all necessary software to support IT program courses.
3. Research and experiment with open source software
4. Search for and participate in professional development activities
5. Participate in recruitment activities
6. Search for grants to help support the IT program.

Action plans 1 and 2 were completed while 3, 4, 5, and 6 are ongoing. Although action plans 1 and 2 were completed, these plans are never ending as the need to review and update the program, program course outlines, and other documentations as well as Replace/upgrade IT computer laboratory classroom computers and all necessary software to support IT program courses are always ongoing tasks.

All IT program action plans, although may lack direct measurable outcomes in improving student learning and achievement, are focused on supporting teaching and learning. For example, directly measuring student achievement in relation to replacing and upgrading computers in the IT computer laboratory classroom is impossible however, it is assumed that when students and faculty have access to better technology and equipment, the likelihood of productivity and success is increased.

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
Continue to review and update the program, program course outlines, and other documentations (e.g. mapping)	The changes will address the need to further develop specific skills among IT program students as well as reflect current trends and topics in the field.	None	Ongoing
Continue to assess and replace/upgrade IT computer laboratory classroom computers and all necessary software to support IT program courses.	This ensure that the program continues to have adequate hardware and software to support teaching and learning.	$25,000 (Computers) $5,000 (Software)	Spring 2024 -Based on the Technology Plan's systematic replacement cycle
Continue to search for and experiment with open source software	Continue to search for relevant open source software that could be used to improve or enhance teaching and learning.	None	Fall 2021 to Summer 2024
Continue to search for and participate in professional development	Continue to search for and participate in professional development activities that can help improve and enhance instruction as well as perform other relevant teaching related tasks.	$10,000	Fall 2021 to Summer 2024
Continue to participate in recruitment activities	Initiate and organize recruitment activities in an effort to recruit more students into the IT program.	$1,000	Fall 2021 to Summer 2024
Continue to search for grants to help support the IT program.	Continue to search for grants that can help support the IT program and its instructors and students.	None	Fall 2021 to Summer 2024

Provide Summary of Action Plans 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 IT program continues to introduce students to various areas in the IT field. The IT program gives students the opportunity to work with community members on IT related projects. Such projects not only address the needs of the community but also gives students the opportunity to gain IT related skills and experiences. As such, IT faculty will continue to review and update the program, program course outlines, and other documentations to support the needs of the program and the students as well as to reflect current trends and topics in the field.
>
> Furthermore, to continue to support teaching and learning in IT program courses, software and hardware in the IT computer laboratory classroom will continue to be assessed and evaluated and replacement will be made when the need arises or based on the established systematic replacement cycle indicated in the Technology Plan. This action plan will require significant financial support from the College. Financial commitment from the College is also necessary to support professional development and recruitment activities as stated in the action plans.

VIII. Resource Requests

Itemize resource request below to include resource requests that will support action plans and are data-driven (e.g. program enrollment, course needs, student needs). This section should provide a clear representation of the program's annual budget request.

Type of Resource	Detailed Description	Estimated Amount Requested	Justification
Personnel	Not Applicable	Not Applicable	The IT program has one fulltime and one part time faculty. Additional part time and adjunct faculty are hired to teach courses when the need arise. As such, the program has sufficient personnel to support teaching and learning. There are no additional personnel requests at the moment.
Facilities	Not Applicable	Not Applicable	As a venue for some of the Our Oceans Conference 2022 events, several College classrooms and buildings underwent renovations including the IT computer laboratory classroom. Furthermore, the IT computer laboratory classroom was retiled from vinyl to ceramic. As such, there are no facility repair/renovation request at the moment.
Equipment	Replace computers in the IT computer laboratory classroom	$25,000	According to the Technology Plan's systematic replacement cycle, the computers in the IT computer laboratory classroom will need to be replaced in spring 2024.

Supplies	Office supplies and other course support supplies	$1500 for 3 years	To ensure that IT faculty and instructors have access to supplies such as pens, papers, markers and other commonly used teaching supplies to support instruction and other teaching related tasks.
Software	Replace software in the IT computer laboratory classroom.	At least $5,000	In alignment with the Technology Plan's systematic replacement cycle, when the computers in the IT computer laboratory classroom are replaced, all needed software will also have to be purchased and installed in the new computers in spring 2024.
Training	Professional development activities and training in the following areas are needed: • Computer programming • Database • Networking • Troubleshooting hardware and software problems • Web design • Leaning management systems • Content management systems • Open source software • Teaching methods • Searching for grants • Writing grants	Approximately $5,000	To ensure that IT faculty and instructors are up to date with the latest technologies in the IT field that are relevant or that aligns with the program's area of focus: computer programming, database, networking, troubleshooting, and web design. Additionally, trainings in learning management systems, content management systems, open source software, teaching methodologies, and searching for and writing grants will also help in achieving the established action plans for this program review.
Other	Systematic classroom inspection to identify needed replacements such as light bulbs, electrical wiring/outlets, doors, and windows.	Approximately $1,000	To continue to provide a conducive learning and teaching environment for both students and faculty.
Total		Approximately **$37,500** for 3 years (until the next IT program review).	College's continuous efforts to support the IT program and its students, faculty, and courses.

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.

Replacing computers and software in the IT computer laboratory classroom supports IT program courses because it ensures that students and instructors have access to the necessary software and hardware to support teaching and learning. This, in turn, supports the IT program learning outcomes, the institutional learning outcomes, and the institutional mission statement. Additionally, the replacement of computers and software in the IT computer laboratory classroom aligns with the Technology Plan which is part of the 15 Year Institutional Master Plan.

Providing office supplies and other course support supplies ensures that instructors have access to the materials needed to teach. Providing and supporting professional development activities and training in relevant areas ensures that instructors are up to date with the latest technologies and trends in the field as well as receive the needed training to support teaching and other work related tasks. This, in turn, ensures that instructors continue to support the course learning outcomes, the program learning outcomes, the institutional learning outcomes, and the institutional mission statement.

Conducting systematic classroom inspections and carrying out basic maintenance repair and replacement work ensures that the College continues to provide a conducive teaching and learning environment for students and instructors. This ensures that instructors and students can continue to strive to meet the course learning outcomes, the program learning outcomes, and the institutional learning outcomes. This also supports the institutional mission statement.

Do not forget to include all your required appendices.   Required appendices are listed on page 2 of this template.