

# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education

### **Name of Proponents:**

Solilap, Osmhar Lenoux  
Alarcon, Natalie Jehn  
Dellomes, Marvi Diane  
Tangente, Clark Kent  
Benjamin, Edward Allen  
Gavile, Ivar John  
Jumento, Jhon Dave  
Salologan, Kenneth  
Almonte, John Lloyd  
Bengan, Rhea  
Olarte, Florenz

### **Areas of Concern:**

1. Voting System

### **Problem Statement:**

In today's technology upgradation especially the College of Information Technology Education (CITE), having a reliable, fair, and trustworthy voting system is crucial and important for effective student representation. Having also other alternative voting systems will help to make the voting system more reliable, safe, and more effective. However, many voting systems that are lacking on the necessary like accessibility, safety, security features generated real time generated results, and number of votes every year levels, to ensure active and secure participation from all IT students within the department. This project aims to develop a robust analysis for evaluating the current voting system used for CITE Council elections. The aim of implementing the new CITE Council Voting System is to improve the transparency, fairness, and equality within the council by introducing a modern, efficient and safe voting system.

### **Hypothesis:**

There is a significant relationship between the accessibility, security, and fairness of the voting system and the trust of IT students in the election process as well as reduction of possible threats.

### **Survey Questions**

#### **Instructions:**

Please rate the following statements on a scale from 1 to 5, checking the corresponding box where:

[5] Strongly Agree    [4] Agree    [3] Bit Agree    [2] Disagree    [1] Strongly Disagree

# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education

1. The currently used voting system for IT council elections is simple and easy to use.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
2. The voting system for the council elections is publicly accessible for all IT students.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
3. I trust the security of the voting system we currently used to protect my vote and my rights as a student.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
4. The voting system does not offer options for voter anonymity, which makes me concerned about my privacy.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
5. I am very satisfied with the current voting system that is used for IT Council elections.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
6. I believe the current voting system effectively encourages all student's participation in the IT Council elections.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
7. The voting system provides sufficient information about who the candidates are and what position they are running for before I cast my vote.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
8. I believe the current voting system prevents any form of vote tampering or manipulations.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
9. I think it's better to have another way to vote other than google forms.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1
10. I feel that the voting system voting process is prone to errors, such as miscounting votes or incorrect form submissions.  
[ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1

### Get the Median:

- Q1 - 4
- Q2 - 4
- Q3 - 4
- Q4 - 3
- Q5 - 3
- Q6 - 4
- Q7 - 3
- Q8 - 4
- Q9 - 3
- Q10 - 3

# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education

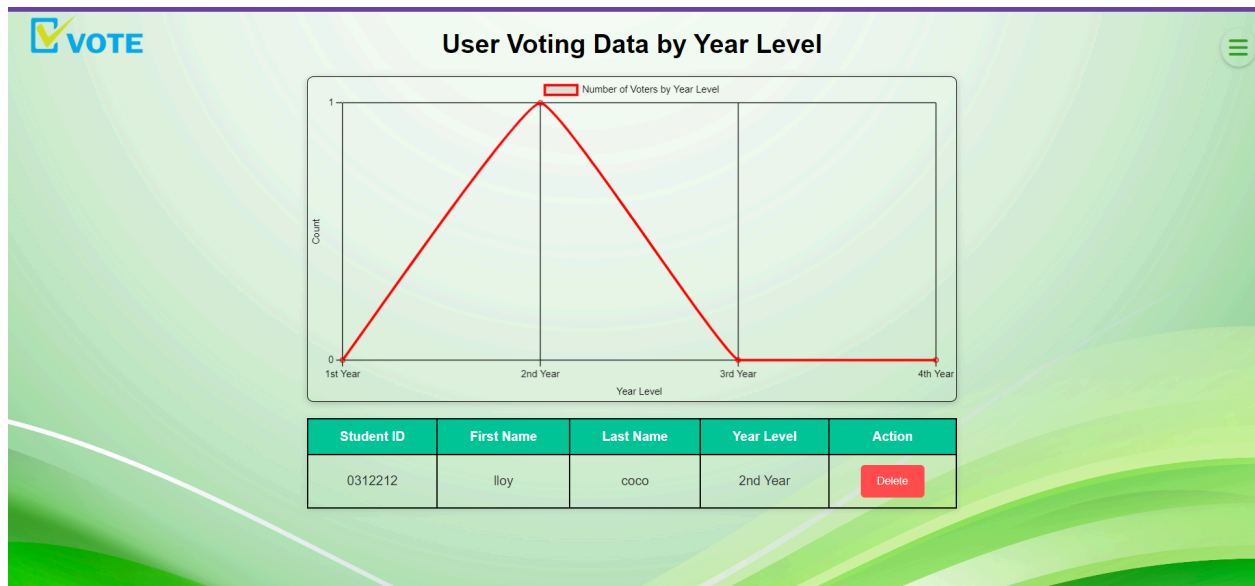
### Alternative Hypothesis:

Improving the accessibility, security, and fairness of the voting system significantly increases the voters trust and enhances system security by reducing potential security threats, compared to not addressing these features.

### Hypothesis to Project Name:

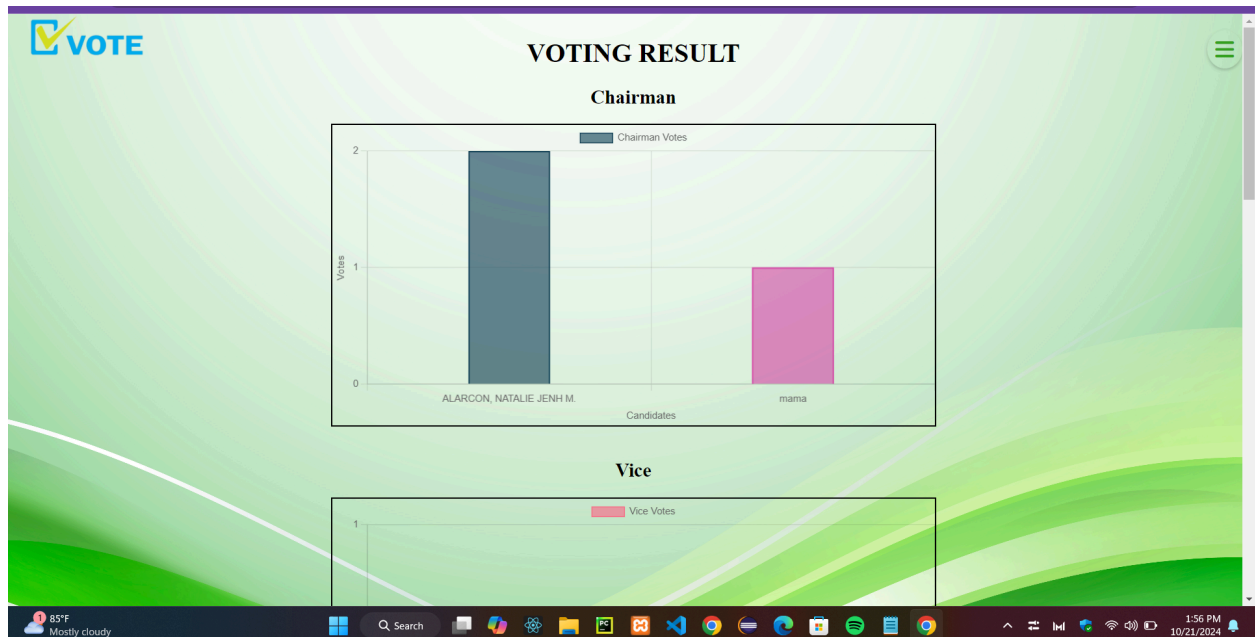
1. CoVotingSys: Council Voting System
2. E-VoteS: Entrust Voting System
3. CiteChoice

Feature of your project Analytics:



# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Timestamp	Email Address	NAME	AGE	SECTION	YEAR LEVEL	for IT council e	elections is pu	currently used	ster anonymi	voting syster	10courses al	% candidate	events any fr	other way to	1to errors, su
10/15/2024 12:47:03	arellano.ui@phinmae	Arellano Jhonel	19	FC2 1-6	1 year	Bit Agree	Agree	Bit Agree	Agree	Strongly agree	Agree	Bit Agree	Strongly agree	Agree	Bit Agree
10/15/2024 13:01:46	la.lorca.ui@phinmae	LA, GERYC PAUL T	21	FC2 BSIT1-2	1ST YEAR	Bit Agree	Agree	Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Agree	Bit Agree	Bit Agree
10/15/2024 19:42:50	pastillosa.ui@phinmae	Alicia Key	18	FC2-BSIT 1-4	1st year	Bit Agree	Bit Agree	Agree	Agree	Bit Agree	Agree	Agree	Strongly disagree	Agree	Disagree
10/15/2024 20:25:23	montalban.ui@phinmae	Paolo Montalban	20	UI-FC2-BSIT1-6	1st Year Level	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Agree	Agree	Bit Agree	Agree	Strongly agree	Agree
10/15/2024 20:06:06	chavez.ui@phinmae	Khian Chavez	18	FC2 BSIT 1 4	1st yearFRESHME	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree
10/15/2024 7:12:47	simondac.ui@phinmae	Clyde B. Simor	20	UI-FC2-BSIT-2-4	2nd year	Bit Agree	Bit Agree	Strongly Disagree	Disagree	Bit Agree	Agree	Strongly agree	Bit Agree	Bit Agree	Agree
10/15/2024 8:47:42	genandoy.ui@phinmae	on Paulo Genand	22	FC2 BSIT 2-2	2nd Year	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree
10/15/2024 20:51:08	mandado.ui@phinmae	kezhiah mandado	19	fc1 bsit 2-2	2nd year	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree
10/15/2024 20:39:05	juarez.ui@phinmae	carl Tristan Juare	24	FC1-BSIT2-3	2nd year	Agree	Agree	Agree	Bit Agree	Agree	Agree	Agree	Bit Agree	Bit Agree	Bit Agree
10/16/2024 11:37:44	deloterio.ui@phinmae	Arjun Deloterio	24	FC1-BSIT2-4	2nd year	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Agree	Disagree	Disagree
10/14/2024 17:33:21	lu.rayo.ui@phinmae	o-IEVIEN JAY RAY	20	BSIT3-1	3RD YEAR	Agree	Bit Agree	Agree	Disagree	Disagree	Disagree	Bit Agree	Bit Agree	Agree	Bit Agree
10/15/2024 12:52:13	illanueva.ui@phinmae	MARIE N. VILLA	21	UI-FB1-BSIT3-1	3rd Year	Strongly Agree	Agree	Strongly Agree	Strongly agree	Strongly agree	Strongly agree	Strongly agree	Strongly agree	Agree	Strongly agree
10/14/2024 20:53:07	magbanua.ui@phinmae	Justine Magbar	20	FB1-BSIT3-1	3rd year	Strongly Agree	Strongly Agree	Strongly Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree	Bit Agree
10/15/2024 14:56:00	basalatan.ui@phinmae	Nica Basalatan	20	UI-FB1-BSIT3-1	3rd Year	Agree	Agree	Agree	Bit Agree	Disagree	Agree	Agree	Bit Agree	Agree	Agree
10/14/2024 21:20:37	calusay.ui@phinmae	Rio Calusay	24	UI-FB2-BSIT 3-1	3rd year college	Strongly Agree	Strongly Agree	Strongly Agree	Bit Agree	Strongly agree	Agree	Strongly agree	Agree	Strongly agree	Bit Agree
10/14/2024 21:43:24	caylig.ui@phinmae	cUN ISAAC CAJILI	23	UI-FB2-BSIT3-1	3RD YEAR LEVEL	Strongly Agree	Agree	Agree	Agree	Agree	Strongly agree	Agree	Agree	Strongly agree	Strongly agree
10/15/2024 12:26:16	vargas.ui@phinmae	cargas, Jedonne f	24	UI-FB1-BSIT4-1	4th year	Strongly Agree	Strongly Agree	Strongly Agree	Bit Agree	Strongly agree	Strongly agree	Strongly agree	Strongly agree	Bit Agree	Bit Agree
10/15/2024 15:05:32	adrias.ui@phinmae	Carl	21	4-1	4th year	Agree	Agree	Agree	Disagree	Agree	Agree	Disagree	Agree	Disagree	Agree
10/15/2024 22:24:13	mallorca.ui@phinmae	leuben Mallorca	22	ui-fc1-bsit4-3	4th	Disagree	Bit Agree	Agree	Bit Agree	Bit Agree	Disagree	Bit Agree	Agree	Bit Agree	Disagree
10/16/2024 21:09:51	gaytano.ui@phinmae	aren May Gaytan	22	FB1-BSIT4-3	4TH YEAR	Strongly Agree	Strongly Agree	Strongly Agree	Strongly disagree	Strongly disagree	Strongly disagree	Strongly disagree	Strongly disagree	Strongly disagree	Strongly disagree
10/16/2024 21:10:29	eoperio.ui@phinmae	cJasper Jev Operio	22	UI-FB1-BSIT4-3	4	Agree	Disagree	Agree	Bit Agree	Bit Agree	Disagree	Bit Agree	Agree	Strongly agree	Strongly disagree

# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education

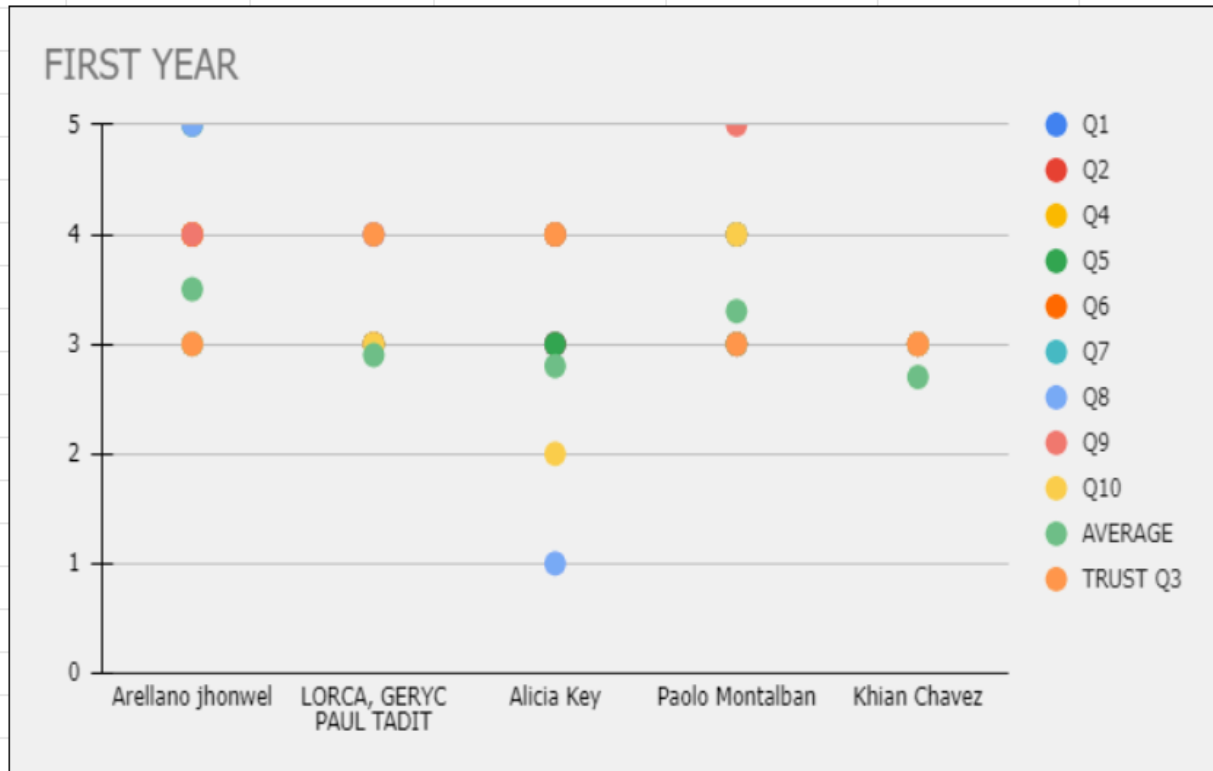
NAME	Q1	Q2	Q4	Q5	Q6	Q7	Q8	Q9	Q10	AVERAGE	TRUST Q3	
Arellano Jhonwel	3	4	4	5	4	3	5	4	3	3.5	3	
LORCA, GERYC PAUL	3	4	3	3	3	3	4	3	3	2.9	4	
Alicia Key	3	3	4	3	4	4	1	4	2	2.8	4	
Paolo Montalban	3	3	3	4	4	3	4	5	4	3.3	3	
Khian Chavez	3	3	3	3	3	3	3	3	3	2.7	3	
Arwin Clyde B. Simo	3	3	2	3	4	5	3	3	4	3	1	
Jhon Paulo Genando	4	4	4	4	4	4	4	4	4	3.6	4	
keziah mandado	3	3	3	3	3	3	3	3	3	2.7	3	
Carl Tristan Juarez	4	4	3	4	4	4	3	3	3	3.2	4	
Arjun Deloterio	4	4	4	4	4	4	4	2	2	3.2	4	
RHIEVIEN JAY RAYO	4	3	2	2	2	3	3	4	3	2.6	4	
ALYSSA MARIE N. VI	5	4	5	5	5	5	5	4	5	4.3	5	
Uriel Justine Magbar	5	5	3	3	3	3	3	3	3	3.1	5	
Nica Basalatan	4	4	3	2	4	4	3	4	4	3.2	4	
Rio Calusay	5	5	3	5	4	5	4	5	3	3.9	5	
JUN ISAAC CAJILIG	5	4	4	4	5	4	4	5	5	4	4	
Vargas, Jedonne P.	5	5	3	5	5	5	5	3	3	3.9	5	
Carl	4	4	2	4	4	2	4	2	4	3	4	
Reuben Mallorca A	2	3	3	3	2	3	4	3	2	2.5	4	
Karen May Gaytano	5	5	1	1	1	1	1	1	1	1.7	5	
Jasper Jev Operio	4	2	3	3	2	3	4	5	1	2.7	4	
SUM	81	79	65	73	74	74	74	73	65	65.8	82	
MEDIAN	4	4	3	3	4	3	4	3	3	3.1	4	
		CORELLATION	0.1738364531						SLOPE	0.2736549165	3.047309833	INTERCEPT
										0.3556496722	1.133624613	
									LINEAR REGRESSION	0.03021911244	0.9534241837	
										0.5920544978	19	
										0.5381880025	17.27133581	

### Correlation Coefficient Explanation

The correlation coefficient of **0.1728** indicates a **positive relationship** between the average and trust. It means that the trust score increases slightly and the average also slightly increases.

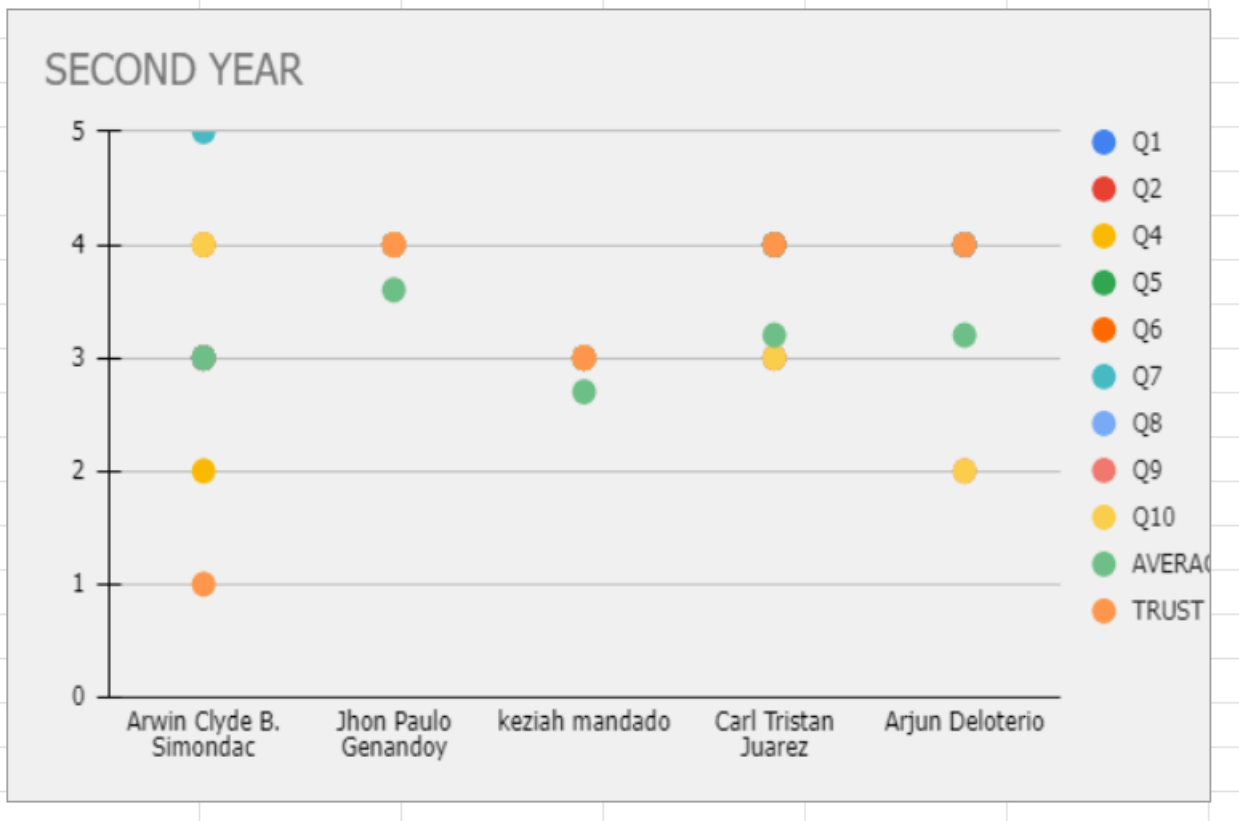
# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education



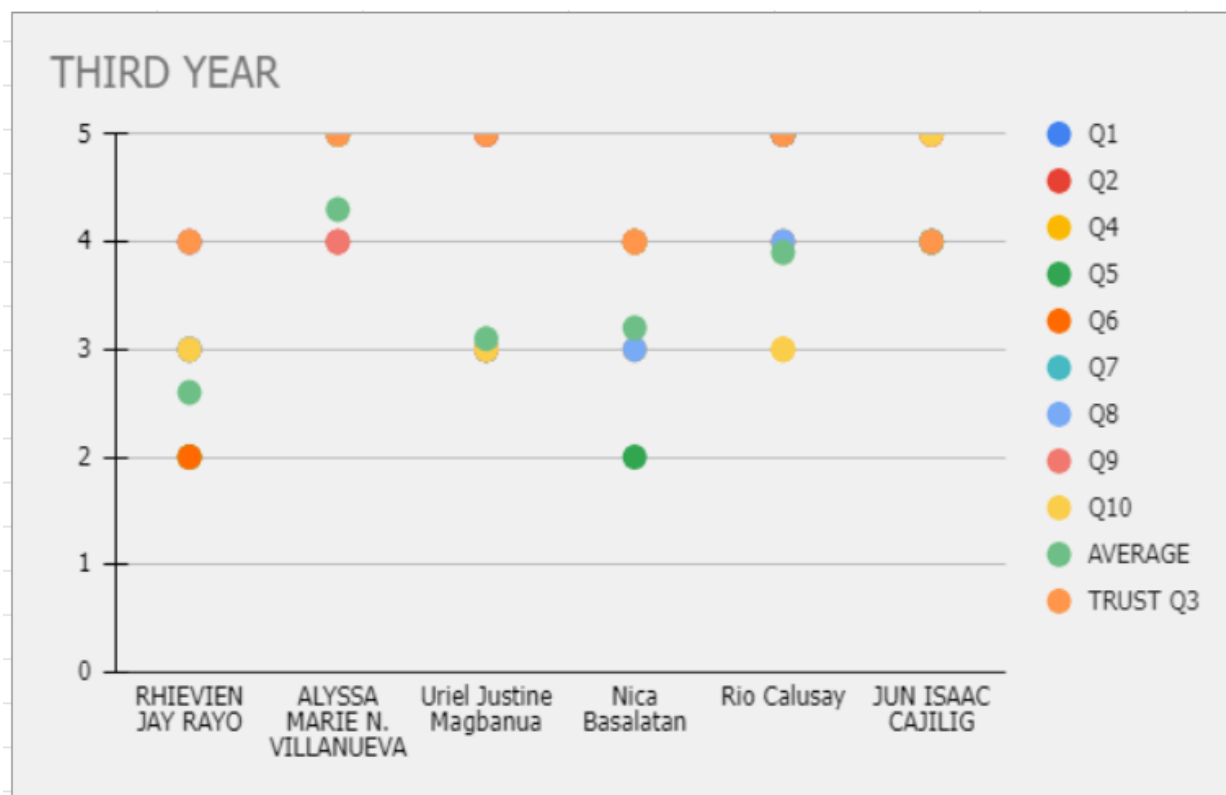
# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education



# PHINMA UNIVERSITY OF ILOILO

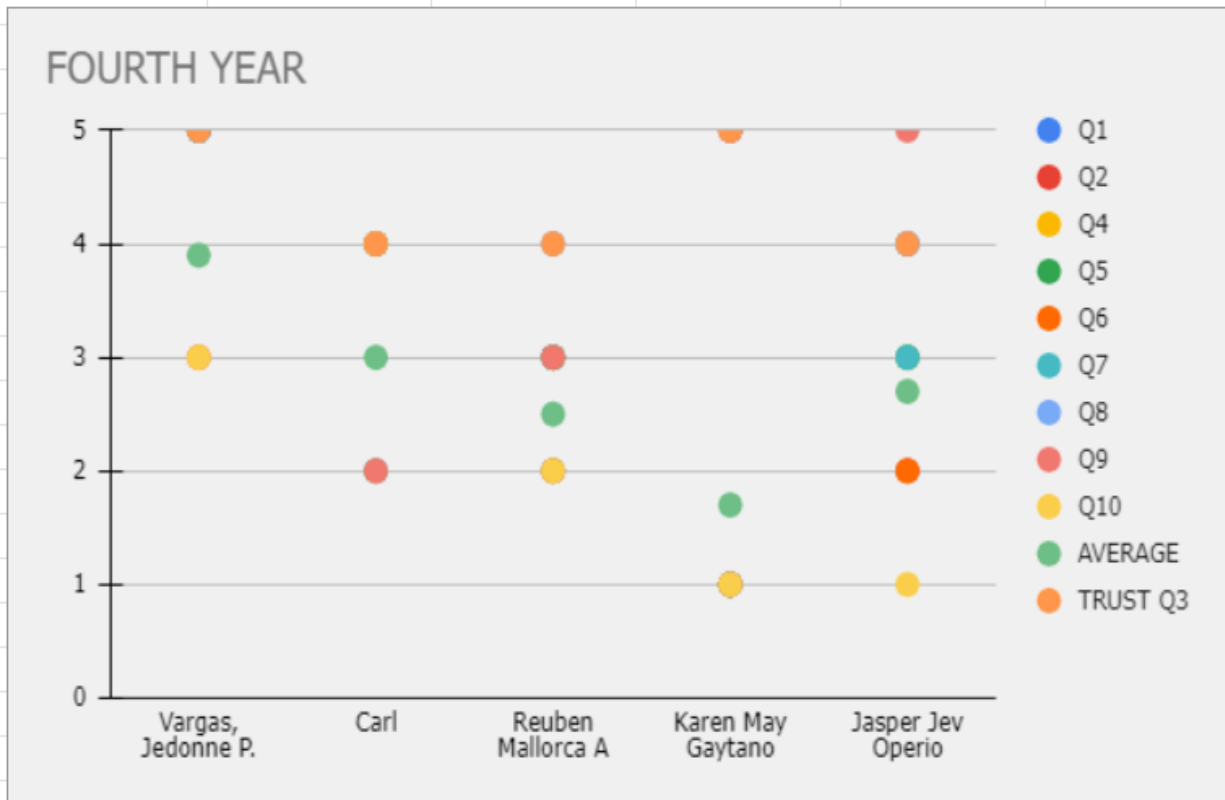
## College of Information Technology Education





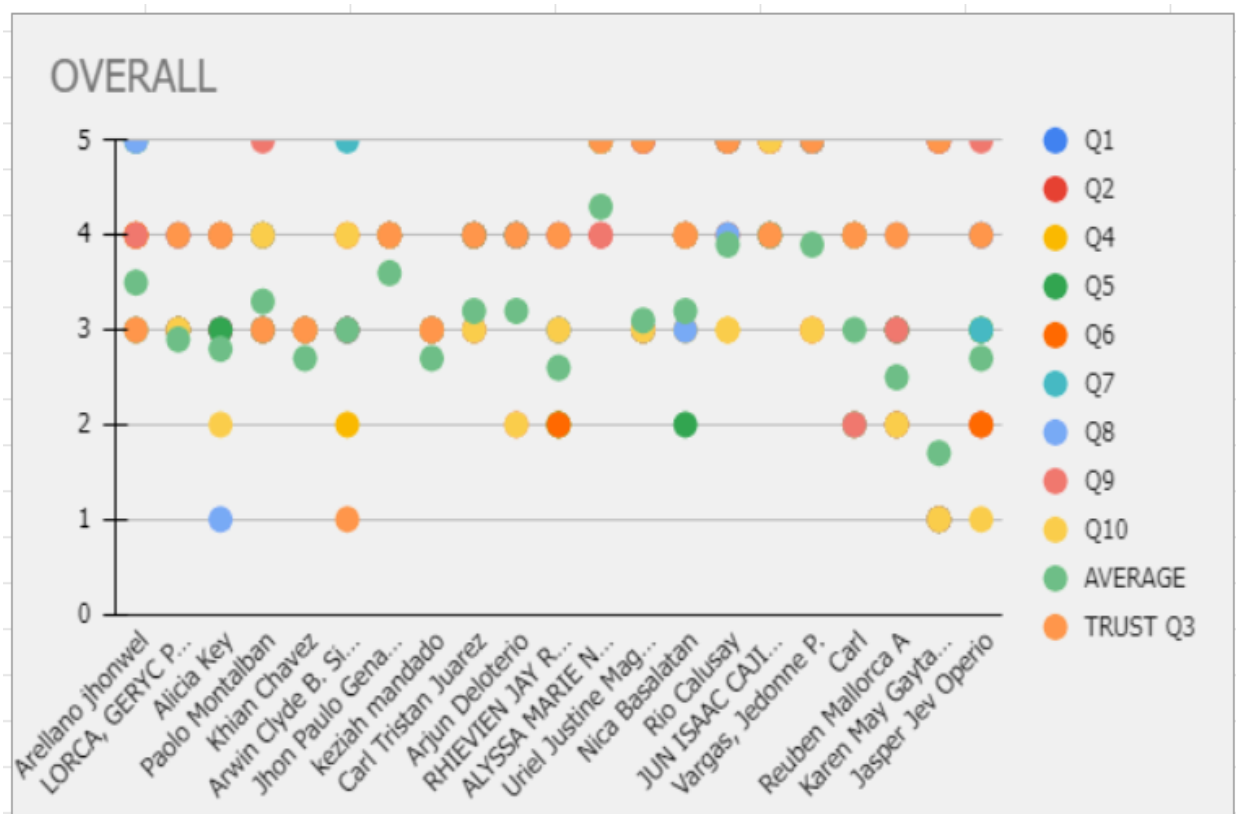
# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education



# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education



1st Year	Stronly Agree	Agree	Bit Agree	Disagree	Strongly Disagree
Q1	0	0	5	0	0
Q2	0	2	3	0	0
Q3	0	2	3	0	0
Q4	0	2	3	0	0
Q5	1	1	3	0	0
Q6	0	3	2	0	0
Q7	0	1	4	0	0
Q8	1	2	1	0	1
Q9	1	2	2	0	0
Q10	0	1	3	1	0
<b>total</b>	<b>3</b>	<b>16</b>	<b>29</b>	<b>1</b>	<b>1</b>
<b>percentaae</b>	<b>6%</b>	<b>32%</b>	<b>58%</b>	<b>2%</b>	<b>2%</b>

# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education

2nd Year	Strongly Agree	Agree	Bit Agree	Disagree	Strongly Disagree
Q1	0	3	2	0	0
Q2	0	3	2	0	0
Q3	0	3	1	0	1
Q4	0	2	2	1	0
Q5	0	3	2	0	0
Q6	0	4	1	0	0
Q7	1	3	1	0	0
Q8	0	2	3	0	0
Q9	0	1	3	1	0
Q10	0	2	2	1	0
total	1	26	19	3	1
Percentage	2%	52%	38%	6%	2%

3rd Year	Strongly Agree	Agree	Bit Agree	Disagree	Strongly Disagree
Q1	4	2	0	0	0
Q2	2	3	1	0	0
Q3	2	3	0	0	0
Q4	1	1	3	1	0
Q5	2	1	1	2	0
Q6	2	2	1	1	0
Q7	2	2	2	1	0
Q8	1	2	3	0	0
Q9	2	3	1	0	0
Q10	2	3	1	0	0
total	20	22	13	5	0
Percentage	33%	37%	22%	8%	0%

# PHINMA UNIVERSITY OF ILOILO

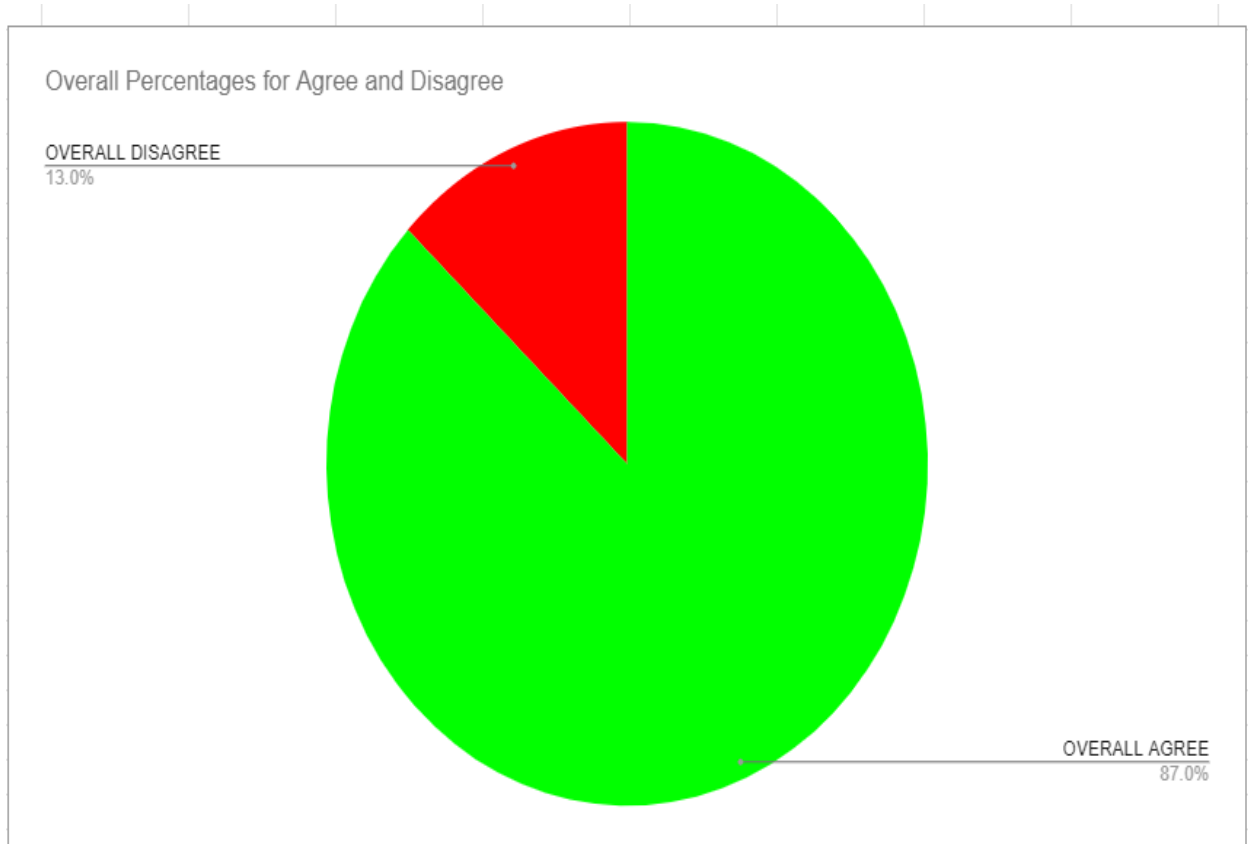
## College of Information Technology Education

4th Year	Strongly Agree	Agree	Bit Agree	Disagree	Strongly Disagree
Q1	2	2	0	1	0
Q2	2	1	1	1	0
Q3	2	3	0	0	0
Q4	0	0	3	1	1
Q5	1	1	2	0	1
Q6	1	1	0	2	1
Q7	1	0	2	1	1
Q8	1	3	0	0	1
Q9	1	0	2	1	1
Q10	0	1	1	1	2
total	11	12	11	8	8
Percentage	22%	24%	22%	16%	16%

	Strongly Agree	Agree	Bit Agree	Disagree	trongly disagree
1st Year	6%	32%	58%	2%	2%
2nd Year	2%	52%	38%	6%	2%
3rd Year	33%	37%	22%	8%	0%
4th Year	22%	24%	22%	16%	16%
total (%)	15.75%	36%	35.00%	8.00%	5.00%
Overall(%)	87.00%			13.00%	

# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education



# PHINMA UNIVERSITY OF ILOILO

## College of Information Technology Education

