



TARLAC STATE UNIVERSITY
2022 ANNUAL REPORT

BAGONG SIBOL

TSU HONORING ITS LEGACY,
EMBRACING NEW BEGINNINGS





ABOUT THE COVER

Tarlac State University's cover for its 2022 annual report features a fox emerging from its own being. The fox is inspired by the university's sports moniker, the TSU Firefox, every SUC III Olympics.

Standing tall and proud with curiosity in its eyes, the fox symbolizes a fresh start for TSU with high regard for its rich past. The university's spirit animal embodies cleverness, independence, and playfulness that are essential in helping TSU attain its vision to become a premier university in the Asia-Pacific region and to be known as one of the top sustainable universities globally.



ANNUAL REPORT 2022

BAGONG SIBOL:
TSU Honoring Its Legacy,
Celebrating New Beginnings

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Republic of the Philippines
TARLAC STATE UNIVERSITY
G. Romulo Boulevard, San Vicente
Tarlac City, Tarlac

March 31, 2023

HIS EXCELLENCY FERDINAND ROMUALDEZ MARCOS
President
Republic of the Philippines
Malacañan Palace
San Miguel, Manila

THRU: HON. J. PROSPERO E. DE VERA III
Chairperson
Commission on Higher Education

Your Excellency:

Greetings from Tarlac State University!

In compliance with the pertinent provisions of Republic Act No. 8292 or the Higher Education Modernization Act of 1999, the Tarlac State University is respectfully submitting the Annual Report for calendar year 2022.

This annual report presents the milestones and accomplishments of TSU as its contributions to the national and regional development goals towards the attainment of its vision to become a premier university in the Asia-Pacific Region. It is a holistic and reflective narrative of how the university thrived as an academic institution with quality education and services, served the community through research and extension, and united to become a premier and SMART university.

Tarlac State University is and will always be the university of the people, by the people, and for the people.

God bless you and God bless the Republic of the Philippines!

Very truly yours,


DR. ARNOLD E. VELASCO
President

OVERVIEW

Tarlac State University was fortunate enough to witness the culmination of Dr. Myrna Q. Mallari's successful eight-year term as University President and the commencement of Dr. Arnold E. Velasco's promising administration all in 2022. Hence, the TSU Annual Report for 2022 adopted the theme "BAGONG SIBOL: TSU Honoring Its Legacy, Celebrating New Beginnings."

Until the end of March 2022, Dr. Mallari upheld her vision for TSU to become a premier university in the Asia-Pacific region. And during the public forum in line with the search for the next TSU President, Dr. Velasco's plans for TSU involve becoming a one of the top sustainable universities in the world. Both their visions are complementary as they take the university towards the path of internationalization.

Efforts and hardships of the previous year were reaped this 2022 allowing TSU to shine as it traversed the final road towards becoming a premier university in the Asia-Pacific. The year started favorably for the university after receiving the results of the Philippine Quality Award 24th cycle. TSU welcomed the year with a proficiency recognition in quality management, amplifying its culture of quality.

Next to the PQA recognition is a series of licensure exam topnotchers in the fields of architecture, plumbing, law, engineering, education, and nursing. Faculty members also attained recognitions and awards and upgraded their educational qualifications. Year after year, the teaching staff level up the game in their respective professions just so quality education is provided to the students.

These individual feats are collective accomplishments of TSU, and these will immensely supplement the university's success in future accreditations and assessments. Like the topnotchers of previous years, high board exam passing rate, graduates' employability, and flourishing faculty profile, among others, these are major components in TSU's Three Stars from the QS Stars Ratings.

Also this year, the university sustained its partnership with the local government of Capas for the TSU Capas Campus and opened two more LGU-funded satellite campuses in the third district of Tarlac: the TSU Concepcion Campus and the TSU La Paz Campus. It is undeniable that education is now within the reach of more Tarlaqueño youth.

Moreover, lending a helping hand to the community has always been a thrust of state-run educational institutions. Contributing to the success of the UN Sustainable Development Goals is now at the core of the university's operations. A testament to this is the qualification of TSU in the Times Higher Education Impact Rankings last April 28, 2022.

Finally, to ensure a well-rounded academe, TSU also prioritizes sports, culture, and arts manifested through the groundbreaking of the Tarlac Community Sports and Wellness Center with the Commission on Higher Education and the Provincial Government of Tarlac, numerous international awards and local recognitions courtesy of the TSU Performing Arts Dance Troupe and Chorale, and winning second place in the 15th Belenismo sa Tarlac.

Indeed, "*bagong sibo*" or "new growth" is clearly manifested in the transition from the previous to the present administration. As Pres. Velasco carves his path and vision for TSU, he honors the standards set and milestones reached by former President Mallari accordingly.

TSU was fortunate enough to be led by two sets of administrations this year. Witnessing both the Mallari and Velasco leadership has given the university community a broader perspective on unity, camaraderie, love of work, and acceptance. Some bridges were burned, others rebuilt, while some have been steady-going in the transition. Yet these experiences are to be cherished as lessons to be kept close.

MESSAGE FROM THE PRESIDENTS

My heartfelt gratitude to the readers of the 2022 Annual Report of the Tarlac State University (TSU) with the theme “Bagong Sibol: TSU Honoring Its Legacy, Celebrating New Beginnings.”

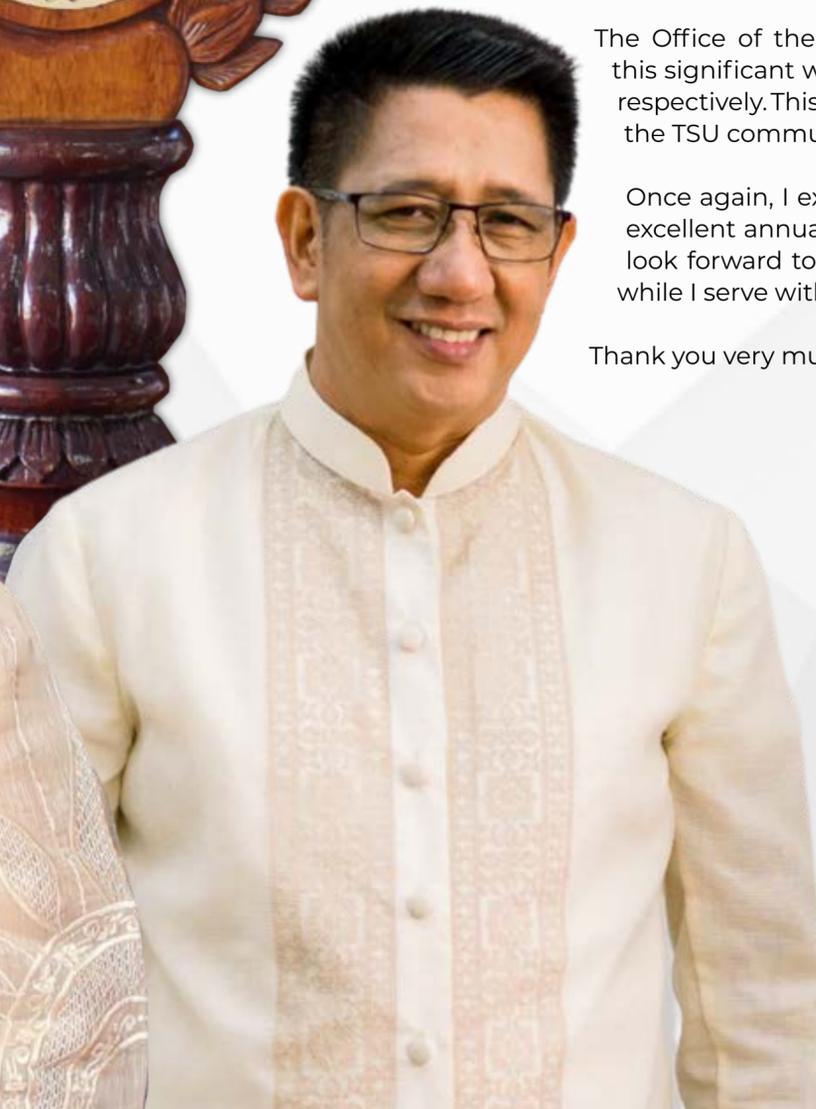
The Tarlac State University accomplished a multitude of milestones for Calendar Year 2022. Never before in the 116 years history of the University since 1906, had so much been achieved in the realms of academic performance, research, community extension, and a myriad other endeavors of a Premier University in the Asia-Pacific Region which is TSU and a staunch leader of the Philippine State Universities and Colleges System.

The year 2022 milestones will not be attained without the enabling pre-requisite achievements of the past eight years including those historical developments since 1906 when the earliest beginnings of this higher education institution had transpired. Also, the future successes of the University will not be realized without the events of the present and of the year 2022.

Therefore, the TSU People and Community are very proud to present you the Annual Report of the Tarlac State University for Calendar Year 2022.

May these humble achievements contribute to the evidence which confirms the Tarlac State University as the University of the People, by the People, and for the People.


MYRNA Q. MALLARI, CPA, DBA
TSU President
2014-2022



Tarlac State University (TSU) is proud to issue its Annual Report for 2022, a thorough account of its accomplishments and activities in 2022. Its goal is to disseminate information regarding the achievements and performance of the institution. This has put in a lot of hard work and dedication to create such a comprehensive and informative document.

Additionally, this will showcase the commitment and effort of the TSU community, which has led to outstanding successes and advancements in the pursuit of our mission. As a result, I am eager to keep working to build an impactful future for our humble university.

Similarly, crafting the Annual Report is remarkable to establish the right kind of appreciation our institution has achieved with the help of the diligent and hardworking individuals from the university. It inspires me to see the university's impact on the community and the positive changes it has brought about. Likewise, it is impressive to show the level of respect that our institution has earned. This is only possible with the attentive and hardworking university workforce.

Hence, the effort of the people behind this report is highly valued and recognized. The Office of Public Affairs (OPA), with the help of the Office of Planning, Performance Monitoring and Evaluation (OPPME), has shown outstanding work throughout the years. They always strive to promote and give relevant information to clients. The OPA's attention to detail is evident throughout the report, from the well-designed graphics to the insightful accomplishments and performance.

Without a doubt, 2022 was extraordinary because it gave me a chance to prove that I could continue to make a difference in the community and serve my Alma Mater while accomplishing worthwhile activities.

The Office of the University President is appreciative of crafting this significant work for TSU's communication and endorsement, respectively. This initiative is indeed laudable, and may it encourage the TSU community to develop more brilliant endeavors.

Once again, I extend my gratitude for putting together such an excellent annual report. It will undoubtedly be an asset to TSU. I look forward to seeing the continued success of our institution while I serve with dedication and compassion.

Thank you very much.


ARNOLD E. VELASCO, REE, PhD
TSU President
2022-present



VISION

The Tarlac State University is envisioned to be a premier university in the Asia Pacific Region.

MISSION

The Tarlac State University commits to promote and sustain the offering of quality and relevant programs in higher and advanced education ensuring equitable access to education for people empowerment, professional development, and global competitiveness.

Towards this end, TSU shall:

1. Provide high quality instruction through qualified, competent and adequately trained faculty members and support staff.
2. Be a premier research institution by enhancing research undertakings in the fields of technology and sciences in strengthening collaboration with local and international institutions.
3. Be a champion in community development by strengthening partnership with public and private organizations and individuals.

CORE VALUES

E - xcellence and Enhanced Competence

Q - uality

U - nity

I - ntegrity and Involvement

T - rust in God, Transparency and True Commitment

Y - earning for Global Competitiveness

QUALITY POLICY STATEMENT

Tarlac State University is committed to continuously strive for global competitiveness and excellence in the delivery of instruction, research, extension (training and consultancy), and administrative support services, compliant to regulatory and statutory requirements for the utmost satisfaction of its valued customers while ensuring safe and healthy working conditions for its students, employees, clientele, and reducing environmental impact of its operations.

TARLAC STATE UNIVERSITY

Throughout the Years

CIENTIFICO LITERARIA UNIVERSIDAD DE FILIPINAS

Forerunner of Tarlac State University and was founded by Pres. Emilio Aguinaldo.



18
99

19
06



TARLAC HIGH SCHOOL
The first public high school was established.

VOCATIONAL DEPARTMENT OF TARLAC HIGH SCHOOL

Created to offer intermediate grades.



19
06



**FULL SECONDARY
SCHOOL**
Tarlac Trade School evolved into a full secondary school.

TARLAC TRADE SCHOOL

Vocational Department was separated from Tarlac High School and was named Tarlac Trade School (TTS).



19
46



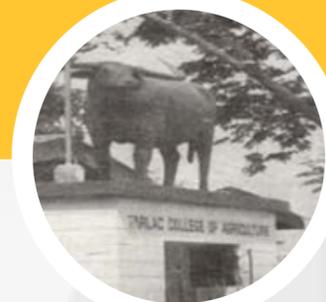
**TARLAC SCHOOL OF
ARTS AND TRADE**
House Bill 1006 converted TTS to Tarlac School of Arts and Trade (TSAT) which began to offer collegiate technical education courses.

TARLAC COLLEGE OF TECHNOLOGY

RA 4337 converted Tarlac School of Arts and Trade into the Tarlac College of Technology (TCT) and merged with Tarlac National Agricultural School (TNAS) in Camiling, Tarlac. TNAS became and Institute of Agriculture under TCT.



19
65



**INSTITUTE OF
AGRICULTURE**
(now the Tarlac Agricultural University) was separated from TCT.

TARLAC STATE UNIVERSITY

RA 6764 converted Tarlac College of Technology to Tarlac State University.



19
89

WHERE WE ARE NOW: UNIVERSITY HIGHLIGHTS



116 YEARS OF QUALITY EDUCATION

100% ACCREDITED PROGRAMS BY AACCU

CENTER OF DEVELOPMENT IN TEACHER EDUCATION

TOP PERFORMING CRIMINOLOGY SCHOOL IN THE PHILIPPINES

LEVEL IV INSTITUTIONAL ACCREDITATION BY AACCU

QS THREE-STAR RATING

SUC LEVEL III

RECOGNITION FOR PROFICIENCY IN QUALITY
MANAGEMENT BY THE PHILIPPINE QUALITY AWARD

ISO 9001:2015 CERTIFIED

ESTABLISHED CAMPUSES IN CAPAS, CONCEPCION AND LAPAZ

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- Information Systems



A

ROADMAP A

RESOURCE MANAGEMENT DEVELOPMENT

More infrastructure projects, which are now in the design phase, are lined up for Tarlac State University, while the projects of the previous university administration have been completed this year. These developments and other projects and programs are evidence of the university's continual improvement through efficient utilization of its resources such as land, human capital, and government funding.

Along with the physical aspect of the university, its financial status and budget management are also included in this roadmap, which is essential for the success of its operation and governance.

TSU also invests in human resources through scholarships, training, and seminars towards increasing competencies and upskilling for quality services in education delivery and office operations.





INFRASTRUCTURE

ROADMAP A: RESOURCE MANAGEMENT DEVELOPMENT

COMPLETED PROJECTS



CONSTRUCTION OF CET STUDENT & PWD COMFORT ROOM AND REFURBISHMENT OF COS GROUND FLOOR FEMALE AND PWD COMFORT ROOM

Contract Amount	P 1,347,367.01 Variation Order: P 133,509.25
Contractor	FRNCS Builders
Duration	90 CD with approved time extension of 60 CD
No. of Approved Time Extension	2
Date Started	July 27, 2022
Date Completed	December 16, 2022



FABRICATION OF GLASS WALL DIVISION FOR CHIEF ADMINISTRATIVE OFFICE AND ADMINISTRATIVE SERVICES UNIT

Contract Amount	P 150,656.00
Contractor	CGM Glass Aluminum Supply
Duration	30 CD
No. of Approved Time Extension	0
Date Started	November 4, 2022
Date Completed	December 2, 2022



CONSTRUCTION OF HWPL PEACE MONUMENT

Contract Amount	P 528,875.25
Contractor	High Vision Builders Corporation
Duration	60 CD
No. of Approved Time Extension	0
Date Started	August 31, 2022
Date Completed	October 8, 2022



CONSTRUCTION OF THE COLLEGE OF PUBLIC ADMINISTRATION AND GOVERNANCE BUILDING (PHASE II)

Contract Amount	P 9,100,261.93 Variation Order: P 120,323.16
Contractor	Primarch Builders
Duration	120 CD with approved time extension of 45 CD
No. of Approved Time Extension	1
Date Started	December 24, 2021
Date Completed	May 24, 2022

COMPLETED PROJECTS



INSTALLATION OF SOLAR HARVESTING SYSTEM ON-GRID AT SAN ISIDRO CAMPUS

Contract Amount	P 16,885,284.29 Variation Order: P 631,038.56
Contractor	Brave Energy Inc.
Duration	300 CD with approved time extension of 45 CD
No. of Approved Time Extension	1
Date Started	September 29, 2021
Date Completed	September 9, 2022



COMPLETION OF FOOD TECHNOLOGY AND RESEARCH CENTER BUILDING

Contract Amount	P 15,953,775.41
Contractor	Orientech Construction & Development Corporation
Duration	240 CD with approved time extension of 135 CD
No. of Approved Time Extension	3
Date Started	April 21, 2021
Date Completed	May 01, 2022



SCHOOL OF LAW LIBRARY FLOORING WORKS

Contract Amount	P 240,064.40
Contractor	Primarch Builders
Duration	30 CD
No. of Approved Time Extension	1
Date Started	August 5, 2022
Date Completed	September 2, 2022

ON-GOING PROJECT

REFURBISHMENT OF CLASSROOMS (PHASE V)



Contract Amount	P 29,801,271.94
Fund Source	MDS-Capital Outlay
Contractor	Mantor Builders
Duration	300 CD with approved time extension of 120 CD
Date Started	February 4, 2021
Target Date of Completion	November 30, 2021 with time extension until March 31, 2022
Status/Percentage of Completion	70.98% accomplished
Remarks	Work suspended due to Variation Order

DESIGN PHASE PROJECTS



REPLACEMENT OF ELEVATOR AT TSU HOTEL

Approved budget for the contract	P 29,801,271.94
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	For post qualification



CONVERSION OF ADMINISTRATION BUILDING MEZZANINE INTO PHOTO STUDIO AND OFFICE

Approved budget for the contract	P 1,511,551.37
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	Bidding schedule on January 24, 2023



REFURBISHMENT OF MALE AND FEMALE TOILETS AT SMITH HALL BUILDING

Approved budget for the contract	P 6,941,812.50
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	Conducted Pre-Procurement Conference on December 13, 2022



COMPLETION OF TLE BUILDING

Approved budget for the contract	P 1,727,750.85
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	Bidding Schedule on January 24, 2023



REFURBISHMENT OF TSU AMPHITHEATER AT LUCINDA EXTENSION CAMPUS

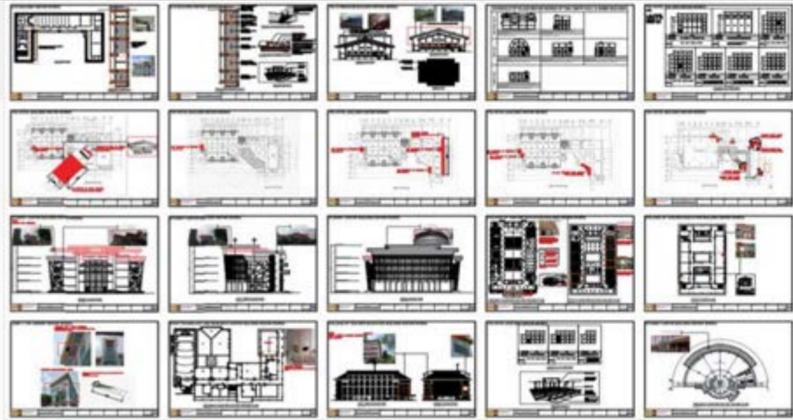
Approved budget for the contract	P 13,459,310.66
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	Conducted Pre-Procurement Conference on December 14, 2022



REFURBISHMENT OF TSU MAIN LIBRARY

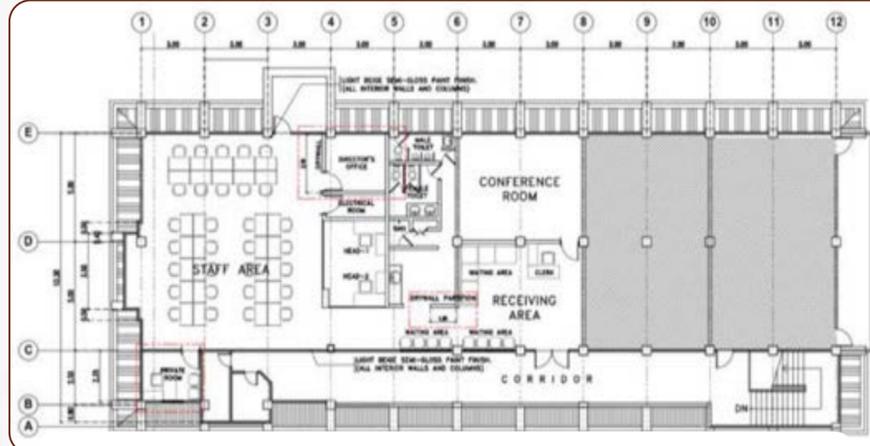
Approved budget for the contract	P 7,218,356.75
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	For Final Checking

DESIGN PHASE PROJECTS



REPAIR WORKS OF VARIOUS BUILDINGS DAMAGED BY THE TYPHOON CARDING

Approved budget for the contract	P 3,478,479.39
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	For Final Checking



REFURBISHMENT OF 3RD FLOOR MIXED-USE BUILDING

Approved budget for the contract	P 497,590.00
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	For Final Checking



COMPLETION OF COLLEGE OF PUBLIC ADMINISTRATION AND GOVERNANCE BUILDING

Approved budget for the contract	P 75,000,000.00
Fund Source	Income
Status/Percentage of Completion	83% Accomplished Design Phase
Remarks	For Final Checking of Working Drawings, On-Going works of Technical Specification and Estimates



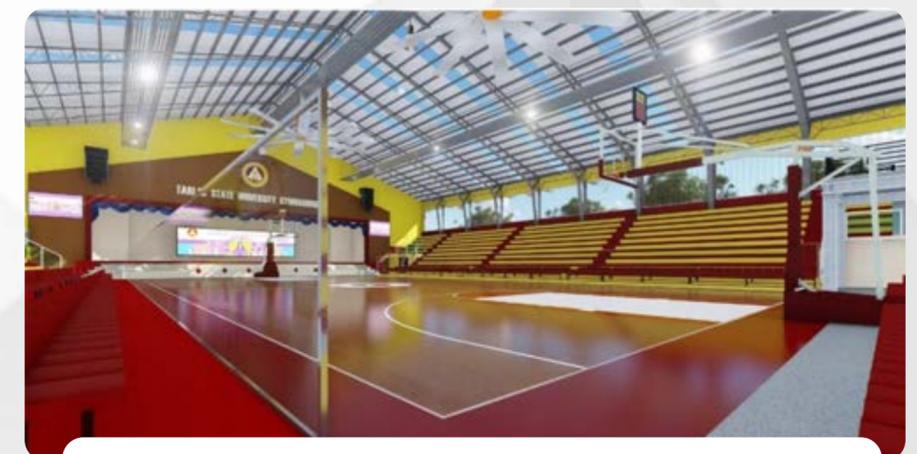
CONSTRUCTION OF TSU WAREHOUSE AT LUCINDA EXTENSION CAMPUS

Approved budget for the contract	P 36,000,000.00
Fund Source	Income
Status/Percentage of Completion	75% Accomplished Design Phase
Remarks	On-Going Working Drawings, Technical Specifications and Estimates



REPAIR AND REPAINTING OF TSU HOTEL BUILDING

Approved budget for the contract	P 4,867,254.01
Fund Source	Income
Status/Percentage of Completion	100% accomplished design phase
Remarks	80% On-Going Technical Specifications and Estimates



RENOVATION OF TSU GYMNASIUM

Approved budget for the contract	P 120,000,000.00
Fund Source	Income
Status/Percentage of Completion	Crafting of Terms of Reference
Remarks	

UPDATES ON ESTABLISHED CAMPUSES IN TARLAC PROVINCE



CAPAS

Tarlac State University and the local government of Capas, both under new administrations, renewed the memorandum of agreement (MOA) for the continued operations of the TSU Capas Campus on October 26, 2022.

It is the first LGU-sponsored campus that was established in 2018.

The TSU Capas Campus currently offers three courses, namely Bachelor of Public Administration, Bachelor of Elementary Education, and Bachelor of Science in Criminology.

In terms of campus improvement, Capas mayor Roseller “Boots” Rodriguez said that the local government unit purchased and installed three 65-inch Smart television sets in the classrooms and upgraded the campus’ internet connection to 150 Mbps. He added the local government’s plans to refurbish the school canteen and put up a computer laboratory, library, and study hubs on the campus.



CONCEPCION

The Tarlac State University Concepcion Campus started its operations in August 2022 with programs from the colleges of Teacher Education, Public Administration and Governance, and Criminal Justice Education as announced during its onsite inauguration ceremony on June 25, 2022.

Said campus with 25 model classrooms will be catering to students from Concepcion town and other neighboring towns.



LA PAZ

Tarlac State University and the Local Government of La Paz led the inauguration of the new TSU La Paz Campus on August 8, 2022.

The two-storey building located near the municipal hall has been a dream come true for La Paz Mayor Hon. Venustiano D. Jordan. In his address, he hopes that this campus will pave the way for a better future for the youth of La Paz.

The TSU La Paz Campus is the third LGU-sponsored campus, following Capas and Concepcion campuses. It will operate this academic year 2022-2023.

Said campus will offer Bachelor of Elementary Education under the College of Teacher Education and Bachelor of Public Administration under the College of Public Administration and Governance.



FINANCE

ROADMAP A: RESOURCE MANAGEMENT DEVELOPMENT

FINANCIAL TARGETS AND ACTUAL ACCOMPLISHMENTS AS OF 4TH QUARTER OF FY 2022

A. REGULAR AGENCY FUND (General Appropriations Act)

CURRENT APPROPRIATIONS

PARTICULARS	ADJUSTED APPROPRIATION	OBLIGATIONAL AUTHORITY	Actual Obligation	Actual Disbursement	Budget Utilization Rate (BUR)		
					Allotment vs Appropriation	Obligations vs Allotment	Disbursement vs Obligation
PS	391,183,009.00	350,512,869.00	346,558,560.48	343,053,467.33	89.60%	98.87%	98.99%
MOOE	450,984,000.00	443,483,480.00	372,242,264.31	364,562,088.95	98.34%	83.94%	97.94%
CO	65,184,000.00	65,184,000.00	34,004,200.00	34,004,200.00	100.00%	52.17%	27.22%
TOTAL	908,361,509.00	859,180,349.00	752,625,024.79	752,625,024.79	94.69%	87.62%	95.23%

The low CO obligations rate is attributable to the **P25,000,000.00** project, "Rehabilitation of Drainage System and Construction of Wastewater Treatment Facility," which was endorsed to the Department of Public Works and Highways and obligated in December.

The reason for this endorsement is that the Facilities Development and Management Office of the TSU does not have the capacity to prepare the project's Conceptual Plan and Terms of Reference (TOR). Thus, the office sought the assistance of DPWH Tarlac 1st DEO for the preparation of these documents. The DPWH also conducted the procurement activities for the project.

On the other hand, the CO component of the project "Increasing the Carrying Capacity of its Nursing and Allied Health Programs" worth **P10,000,000.00** is yet to be obligated. The reason for this lag is the difficulties encountered in clearly identifying the highly technical specifications of the equipment to be procured.

Disbursements rate, on the other hand, logged an impressive **95.25%**, averaging that of the PS, MOOE, and CO.

The CO disbursement rate contributed only **27.22%** due to the late commencement of the project "Rehabilitation of Drainage System and Construction of Wastewater Treatment Facility." Hence, such remains unpaid as of the end of the year.

CONTINUING APPROPRIATIONS

PARTICULARS	ADJUSTED APPROPRIATION	OBLIGATIONAL AUTHORITY	Actual Obligation	Actual Disbursement	Budget Utilization Rate (BUR)		
					Allotment vs Appropriation	Obligations vs Allotment	Disbursement vs Obligation
MOOE	58,680,869.47	57,680,869.47	57,646,149.59	56,580,701.05	98.30%	99.94%	98.15%
CO	16,360,306.43	6,360,306.43	2,850,661.72	819,123.16	38.88%	44.82%	28.73%
TOTAL	75,041,175.90	64,041,175.90	60,496,811.31	57,399,824.21	85.34%	94.47%	94.88%

The university was able to use 94.47% of its continuing appropriations. By recalibrating its current operations, the university found several opportunities of improvement where the funds can be put into good use.

For CO disbursements, unpaid obligated items relate to purchase orders with partial deliveries, while others are yet to comply with the training and demonstration requirements of specialized goods included in the contract before payment.

FINANCIAL TARGETS AND ACTUAL ACCOMPLISHMENTS AS OF 4TH QUARTER OF FY 2022

B. OFF-BUDGETARY FUND (Income)

UTILIZATION

PARTICULARS	ADJUSTED APPROPRIATION	OBLIGATIONAL AUTHORITY	Actual Obligation	Actual Disbursement	Budget Utilization Rate (BUR)		
					Allotment vs Appropriation	Obligations vs Allotment	Disbursement vs Obligation
PS	77,939,576.48	77,939,576.48	66,890,181.71	64,534,799.98	100.00%	85.82%	96.48%
MOOE	133,036,852.00	133,036,852.00	103,618,586.28	80,449,221.12	100.00%	77.89%	77.64%
CO	618,910,532.00	618,910,532.00	16,738,903.52	6,222,240.51	100.00%	2.70%	37.17%
TOTAL	829,886,960.48	829,886,960.48	187,247,671.51	151,206,261.61	100.00%	22.56%	80.75%

As to the university's income utilization of 8.66%, one of the reasons for such is the material amount of unobligated allotments last year, which formed part of the university's continuing appropriations. As part of its recalibration initiatives, the university prioritized the use of GAA funds, particularly continuing appropriations, before anything else.

Another reason is the number and projected amounts of infrastructure projects the university wishes to undertake for the succeeding years. Most of these are priority projects previously proposed for funding under GAA but were not approved. In effect, the university transferred these projects to be funded through the university income, restricting the use of such funds earmarked for its identified purposes.

In sum, under its new leadership, Tarlac State University undertakes to improve its financial management to better serve the stakeholders in pursuit of excellence in higher and advanced education.

RECEIPTS

NATURE OF INCOME	FY 2022 TARGET		FY 2022 COLLECTION PERFORMANCE			
	PRECEDING YEAR	CURRENT YEAR	PRECEDING YEAR	CURRENT YEAR	PRECEDING YEAR	CURRENT YEAR
Tuition Fees	261,500,000.00	267,255,000.00	268,287,906.26	276,991,462.95	102.60%	103.64%

	BEGINNING BALANCE	RECEIPTS	TOTAL AVAILABLE	INCOME UTILIZATION	UTILIZATION RATE
Internally Generated Income	694,693,138.63	276,991,462.95	971,684,601.58	187,255,463.34	19.27%

FINANCIAL HIGHLIGHTS *(as of December 31, 2022)*

TOTAL UNAUDITED AND CONSOLIDATED ASSETS, LIABILITIES AND GOVERNMENT EQUITY OF TSU				TOTAL ASSETS		
ASSETS	LIABILITIES	GOVERNMENT EQUITY	CASH BALANCE	TOTAL INCOME	EXPENSES	NET SURPLUS
P1.995 billion	P271.710 million	P1.723 billion	927.228 million	P844.271 million	P768.970 million	P75.301 million



EXECUTIVE, FACULTY, AND PERSONNEL DEVELOPMENT

ROADMAP A: RESOURCE MANAGEMENT DEVELOPMENT



RECRUITMENT, SELECTION AND PROMOTION

534

TOTAL NUMBER OF HIRED APPLICANTS

16

PROMOTION OR CHANGE OF STATUS

120

CONTRACTUAL OR RENEWAL

105

TEMPORARY OR RENEWAL

139

LECTURERS

189

JOB ORDERS

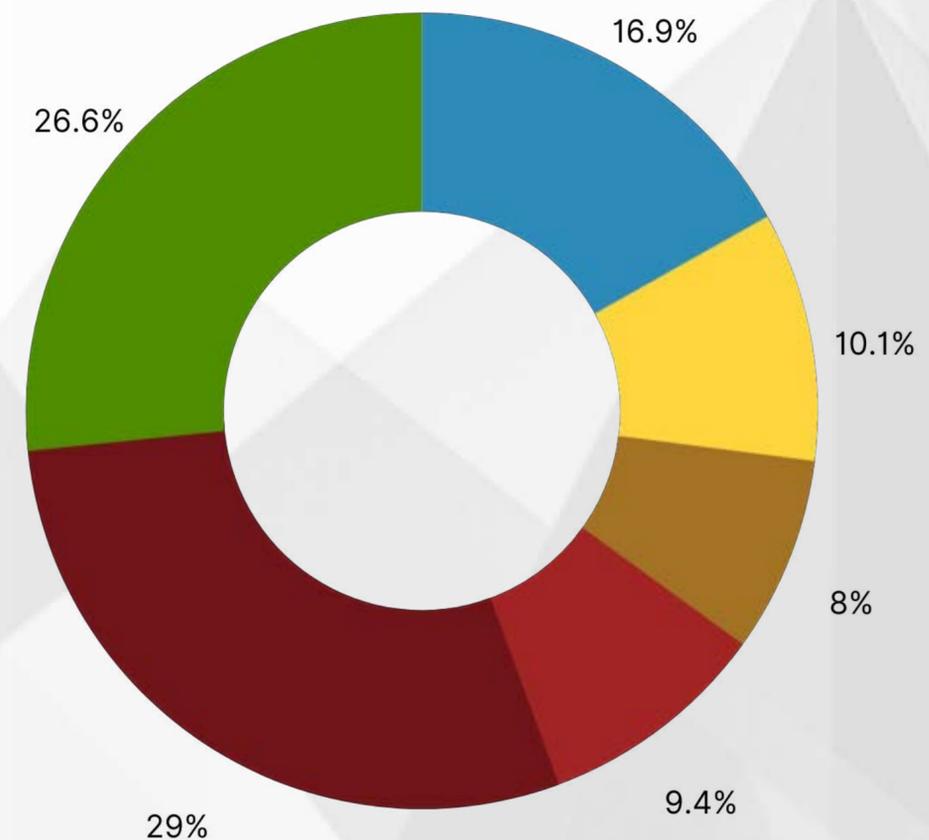
PERSONNEL STATISTICS

as of December 2022

- Teaching (Permanent)
- Non-Teaching (Permanent)
- Temporary
- Contractual
- Job Order
- Contract of Service (Lecturer)

1,244

TOTAL NUMBER OF TSU EMPLOYEES



APPROVED FACULTY SCHOLARS

NAME OF PERSONNEL	PROGRAM	SCHOOL ATTENDED	TYPE OF SCHEME	PERIOD
Marcos, Ferdinand L.	Doctor of Engineering	Rajamangala University of Technology, Thanyaburi, Thailand	Scheme A	August 2022 to July 2025
Arador, Maria Vanesa P.	Doctor of Philosophy in Curriculum Instruction with specialization in English Language Teaching	Angeles University Foundation	Scheme B	November 2022 to October 2023
Flores, Carlos P. Jr.	Doctor of Information Technology	University of the Cordilleras, Baguio City	Scheme C	October 2022 to September 2025
Mercado, Ronnie B.	Doctor of Information Technology	University of the Cordilleras, Baguio City	Scheme C	October 2022 to September 2025
Legaspi, Yvette S.	Master in Business Administration	Tarlac State University	Scheme D	December 2022 to March 2022

GRADUATED SCHOLARS

NAME OF PERSONNEL	PROGRAM	SCHOOL ATTENDED	TYPE OF SCHEME	DATE OF GRADUATION
Garcia, Erico L.	Master of Science in Mechanical Engineering	Mapua University	Scheme A	July 1, 2022
Cura, Oliver G.	Ph.D. in Guidance & Counseling	St. Joseph School of Quezon City	Scheme C	June 18, 2022
Garcia, Niña C.	Ph.D. in Guidance & Counseling	Pangasinan State University	Scheme 5	August 8, 2022

FINANCIAL ASSISTANCE GRANTEE

NAME	PROGRAM	SCHOOL ATTENDED	TYPE OF ASSISTANCE
Felix, Jayson R.	Doctor of Philosophy in Criminology	Philippine College of Criminology	Dissertation Financial Assistance
Capinding, Laarni T.	Ph.D. in Counseling	Miriam College Foundation, Inc.	Dissertation Financial Assistance
Arador, Maria Vanesa P.	Doctor of Philosophy in Curriculum Instruction with specialization in English Language Teaching	Angeles University Foundation	Dissertation Financial Assistance
Girpo, Emily N.	Masters in Public Administration	Tarlac State University	Thesis Financial Assistance
Panlilio, Ida C.	Masters in Business Administration	Tarlac State University	Thesis Financial Assistance
Rufino, Henry D.	Doctor in Business Administration	Tarlac State University	Dissertation Financial Assistance
Figuroa, Derick S.	Doctor in Business Administration	Tarlac State University	Dissertation Financial Assistance

FACULTY PROMOTION



From left to right: Dr. Leo R. Piao, Dr. Lea-B. Milan, Dr. Cynthia G. Quiambao, Dr. Rowena Ramos, Dr. Arnold E. Velasco, Dr. Jhonel C. Panlilio and Dr. Marie Paz A. Angeles

6 FACULTY MEMBERS CLIMB UP TO PROFESSORIAL RANKS

Six faculty members of Tarlac State University took their oath on December 6, 2022 to formally receive their re-classification into the professorial rank.

Dr. Cynthia Quiambao, newly promoted Professor IV from the College of Teacher Education, tearfully said that she had long waited for this promotion.

“Now, we will be mature enough to embrace it (professorial rank), to serve TSU, and also to help others na makarating kung saan ‘yung kinalalagyan namin ngayon,” she said.

Aside from Dr. Quiambao, other faculty members who reached the professorial rank for the NBC 461 Cycle 8 are Dr. Marie Paz Angeles (Professor IV), Dr. Jhonel Panlilio (Professor IV), Dr. Rowena Ramos (Professor V), Dr. Lea Milan (Professor III), and Dr. Leo Piao (Professor I).

University President Dr. Arnold E. Velasco presided over the ceremony held at the TSU Hotel in Lucinda Campus.

According to Pres. Velasco, this is a “well-deserved promotion” for the faculty members, but it is not an easy job.

“There will be many challenges. You really have to do many researches and [have] sleepless nights,” he said.

He also hoped that they will continue to show humility as well as help other faculty members, especially those in the lower rank.



107 FACULTY MEMBERS PROMOTED THRU NBC 461 CYCLE 8

Tarlac State University's newly promoted faculty members took their oath on November 15, 2022 at the Alumni Center in Lucinda Campus as they received their re-classification through DBM's (Department of Budget and Management) NBC No. 461 (National Budget Circular) 8th Cycle.

Out of over 160 applicants, 107 faculty members successfully passed the cycle which covers the years 2016 to 2019.

Before the oath-taking proper, Dr. Arnold E. Velasco congratulated the faculty members as the presiding officer and university president. He said that even though it's just a piece of paper, the document where the oath of office was printed plays a very significant meaning in their lives.

As released by DBM, the NBC No. 461 seeks to establish and prescribe rules and regulations governing the implementation of the Revised Compensation and Position Classification Plan for faculty positions in state universities and colleges (SUCs) and higher education institutions (HEIs) in accordance with the modified Common Criteria for Evaluation (CCE) and Qualitative Contribution Evaluation (QCE).

FACULTY RECOGNITION



Ar. Marco F. Bildan, a faculty member of the College of Architecture and Fine Arts (CAFA), was named **2022 Outstanding Professional of the year in the field of Master Plumbers** by the **Professional Regulation Commission (PRC)** during the 2022 PRC Awards on July 29, 2022 at the Manila Hotel.

As one of the outstanding professionals of the year, Ar. Bildan was recognized for his exceptional achievements, service, and contributions in his field, as stated in his certificate.

AR. MARCO F. BILDAN, ASEAN Architect
College of Architecture and Fine Arts



Engr. Marie Wendy Frany, College of Engineering and Technology OIC Dean, earned her **Doctor of Philosophy in Civil Engineering degree at the University of the Philippines - Diliman** on August 5, 2022.

According to former CET dean Dr. Miriam S. Galvez, **Engr. Frany is the first civil engineering faculty member to obtain a doctoral degree focused on CE.**

ENGR. MARIE WENDY J. FRANY
College of Engineering and Technology



Dr. Theodore M. Timpac, former dean of the College of Criminal Justice Education, is **one of the passers of the 2020/21 Philippine Bar Examinations.**

Results were released by the Supreme Court on April 12, 2022.

Out of 11,402 test takers, 8,155 law graduates passed the bar exams. The 2020/21 Bar exams posted a passing rate of 72.28%

DR. THEODORE M. TIMPAC
College of Criminal Justice Education



PERSONNEL ACTIVITIES

TSU UNITY CUP 2022

Tarlac State University launched the Unity Basketball Cup 2022 on June 3, 2022 at the TSU Gymnasium with University President Dr. Arnold E. Velasco formally opening the tournament.

The basketball cup is part of the university's wellness program, which promotes a healthy lifestyle among its employees. Moreover, it also seeks to reinforce unity, camaraderie, and socialization among employees of the different campuses.

"This is a friendship game. Bagamat ito ay physical game, hindi po maiiwasan na minsan may physical pero sana po umiral po sa atin ang puso ng pagkakaibigan, na itong ginagawa nating ito ay to balance our living. Hindi lang puro trabaho, kailangan din po natin ng physical game tulad nito," President Velasco said in his message to the players during the formal opening.

Players of the said tournament are the teaching and non-teaching employees of the university divided into seven participating teams.

This activity is spearheaded by Alumni Affairs Director Dr. Winston Abalos and organized by the TSU Faculty and Personnel Union (TSUFPU), Non-Academic Staff Association (NASA), and Human Resource Development and Management Office (HRDMO) in partnership with the Office of Public Affairs (OPA).

The university also organized a similar basketball cup in 2018 called President's Cup.

UNIVERSITY RECOGNITION

TSU CLAIMS 2ND PLACE IN BELENISMO SA TARLAC

Tarlac State University's **Belen ng Karunungan** landed second place in the 15th Belenismo sa Tarlac under the Community Category.

The plaque and certificate were personally awarded by Tarlac Heritage Foundation's co-founder Dr. Isa Cojuangco Suntay at the site of TSU's Belen display.

This is the university's first time joining the said competition.

In an interview, TSU President Dr. Arnold E. Velasco thanked the offices and personnel involved in the creation of the award-winning Belen.

"Nagpapasalamat ako sa chance na ito. It's our first time to participate in this Belenismo and first time pa lang pero second [place] na agad. Of course, I want to thank lahat ng mga tao na tumulong. Hindi naman magiging possible ito kung walang pagkakaisa," Pres. Velasco said.

"At magpapatuloy lang tayo magkakaisa and I am very sure sa next na Belenismo makukuha na natin 'yung first. Walang imposible sa nagkakaisang TSU," he added.



LIST OF IN-HOUSE TRAININGS

TITLE OF TRAINING	DATE IMPLEMENTED	IMPLEMENTING OFFICE/COLLEGE	NUMBER OF PARTICIPANTS
In-House OBTL Syllabus and Table Specifications Construction	January 10-11, 2022	College of Science	35
Basic Customer Service	January 26, 2022	Human Resource Development and Management Office	177
Online PRAISE Orientation	February 4, 2022	Human Resource Development and Management Office	318
Webinar on Basic First Aid and Vital Signs	February 21, 2022	National Service Training Program / Gender and Development Office	60
Orientation on R.A. 9470 with Emphasis on NAP-GRDS	March 22 and 29, 2022	Records and Archives Unit	93
International Webinar on Trends and Business and Marketing Technology	April 1, 2022	International Affairs and Linkages Office	
Embracing Multilingualism	April 5, 2022	International Affairs and Linkages Office	147
Towards Achieving Excellence in Extension: Capacity Development Extension Project Planning and Development and Result Based Monitoring and Evaluation	March 28, 2022 and April 1, 2022	Extension Service Management Office	30
Rapid Damage Assessment and Needs Analysis (RDNA) and Post-Disaster Needs Orientation (PDNA) Orientation	April 8, 2022	National Service Training Program	30
Patent Research and Drafting Workshop	April 20-22, 2022	Technology Development, Transfer and Commercialization Office	30
Incident Command System Seminar, Training and Workshop	April 23, 2022	National Service Training Program	31
Values Restoration Program	May 20, 2022	Human Resource Development and Management Office	339
ELS RES CON: Undergraduate Research Conference on the English Language	May 23, 2022	International Affairs and Linkages Office and College of Arts and Social Sciences	109
Orientation and Workshop on Institutional Performance Information Management System	June 1-15, 2022	Office of Planning, Performance, Monitoring and Evaluation Office	165
Refresher Course for Designated Document Control Coordinators (DCC) and Orientation to Designated Alternative Document Control Coordinators (ADCC) and Orientation on Applicable Legal and Documentary Requirements on R.A. 11032 (EODB) and ARTA Memorandum Circulars	June 16-17, 2022	Quality Management System Unit	209
Review and Updating of TSU's Context of the Organization (COTO) and QMS Risk Assessment	June 21-24, 2022	Quality Management System Unit	275
Events Management and Hosting Seminar and Workshop	June 28, 2022	Human Resource Development and Management Office	70
Training on the Use of Turnitin Software	July 7 and 21, 2022	University Research Office	27
Training on Fat Analysis	July 1-5, 2022	FTRC	8
Seminar on LTO Rules and Regulations and Road Safety	August 8, 2022	Vice President for Administration and Finance	20
Gender Sensitivity Orientation for Newly Hired Employees	August 17, 2022	Gender and Development Office	111
Benchmarking Mission Cum Appreciation Seminar on The Requirements of SDG-Driven and Gender Responsive Community Extension Projects Towards Local and International Accreditation	August 25-27, 2022	Extension Service Management Office	36
TSU Seizing Research Opportunities for 2023 and Beyond!	August 10-12, 2022	University Research Office	24
Webinar on COVID-19 Updates	August 5, 2022	Human Resource Development and Management Office	536
Workers' Occupational Safety and Health Webinar	August 31, 2022	Pollution Control and Safety Unit	124
NSTP Qualifying Course	August 6, 2022	National Service Training Program	
Orientation/Preparation of the Project Procurement Management (PPMP) Plan 2024 for Students	September 14, 2022	Procurement Unit	47
Resilience in the Workplace: Honing Agile and Future-Ready Public Servants	September 15, 2022	Human Resource Development and Management Office	245
Safety in the Digital World: Cybercrime Awareness Seminar	September 22, 2022	Human Resource Development and Management Office and Gender and Development Office	199
Orientation/Preparation of the Project Procurement Management (PPMP) Plan 2024 for Clerks	September 21, 2022	Procurement Unit	115
International Conference of NSTP Implementers and Disaster Risk	September 21-23, 2022	National Service Training Program	
Seminar-Workshop on Contemporary Issues and Trends in Business Research	September 22-23, 2022	University Research Office and College of Business and Accountancy	45
Suppliers' Forum 2022	September 28, 2022	Procurement Unit	63
Finalization Of TSU's RDS with NAP Technical Adviser	October 25, 2022	Records and Archives Unit	98
Occupational First Aid and Basic Life Support - CPR With Automated External Defibrillator	October 3-7, 2022	Pollution Control and Safety Unit	31
Standard First Aid and Basic Life Support - CPR With AED	October 4-7, 2022	Pollution Control and Safety Unit	24
"Standard First Aid and Basic Life Support - CPR With AED	October 11-14, 2022	Pollution Control and Safety Unit	24
PTB Awareness	October 20, 2022	Medical Services Office	237
Celebrating The National Statistics Month: Boosting the Country's Recovery With Informed Decisions, Better Policies	October 24-25, 2022	University Research Office	282
Seminar/Workshop on OBTL Plans Review and Enrichment	October 21, 2022	College of Arts and Social Sciences	
International Webinar on Sustainable Development for Higher Education	October 19, 2022	International Affairs and Linkages Office	218
"TSU-GFPS Capacity Building Seminar Cum Benchmarking Activity In Cavite"	October 27-28, 2022	Gender and Development Office	38
Solid Waste Management	October 28, 2022	Pollution Control and Safety Unit	76
Seminar/Workshop on the Current Trends and Issues for Researchers on Architecture and Fine Arts and Research Publication	October 27-28, 2022	University Research Office	
Seminar Workshop for the Newly Hired Technical Staff of ESMO"	November 2-4, 2022	Extension Service Management Office	8
Seminar on ISO 9001:2015 Documented Information Requirements for FTRC Operations	November 16-18, 2022	Food Technology and Research Center	14
Nursing Clinical Skills - Mannekin	November 11, 2022	College of Science	45
Mindfulness for Stress Debriefing	November 8, 2022	Human Resource Development and Management Office	276



B

ROADMAP B

INSTRUCTIONAL QUALITY AND RELEVANCE DEVELOPMENT

Tarlac State University welcomed 2022 with the return of in-person classes during the midterm period of the second semester. These face-to-face classes are complemented by online sessions and asynchronous activities upholding the proposition of Dr. J. Prospero “Popoy” De Vera, Commission on Higher Education Chairperson, that “flexible learning will be the norm” in state universities and colleges. Henceforth, quality education is sustained through this new learning setup, a byproduct of the COVID-19 pandemic.

As students returned to the campuses, in-person student activities flourished, such as the commencement exercises and founding anniversary celebration, among others. Face-to-face in-house reviews for licensure examinations also commenced leading to more topnotchers and institutional passing rates above the national passing rates.





CURRICULUM DEVELOPMENT

ROADMAP B: INSTRUCTIONAL QUALITY AND
RELEVANCE DEVELOPMENT

PHYSICAL TARGETS AND ACTUAL ACCOMPLISHMENTS FOR FISCAL YEAR 2022

ADMISSIONS

INDICATORS	TARGET	ACCOMPLISHMENT
Number of fulltime students (SUC Levelling)	20 875	21, 755
Percentage of undergraduate student population enrolled in CHED-identified and RDC-identified priority program. (PBB)	50%	87.05%
Percentage of enrolled foreign students	0.18%	4.13%

ALUMNI AFFAIRS DEVELOPMENT

INDICATORS	TARGET	ACCOMPLISHMENT
Programs, Projects, or Activities facilitated	3	14
Alumni/Graduates Activities Facilitated	1	10

GRADUATE STUDIES PROGRAM DEVELOPMENT

INDICATORS	TARGET	ACCOMPLISHMENT
Percentage of graduate students enrolled in research degree programs	100%	100% (595/595)

GRADUATES EMPLOYMENT DEVELOPMENT

INDICATORS	TARGET	ACCOMPLISHMENT
Percentage of first-time licensure exam-takers that passed the licensure exams	20%	63.60% (706/1,110)
Percentage of graduates (2 years prior) that are employed	85%	88% (1,306/1,489)



LIBRARY SERVICES

ROADMAP B: INSTRUCTIONAL QUALITY AND
RELEVANCE DEVELOPMENT

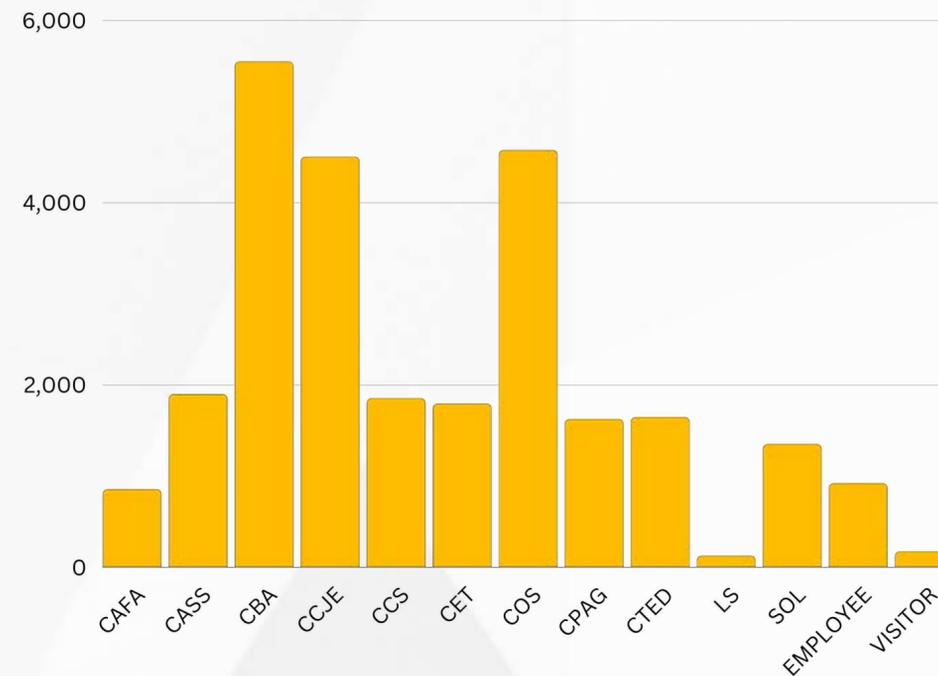
LIBRARY MANAGEMENT

TARLAC STATE UNIVERSITY WON P200,000.00 WORTH OF DIGITAL LIBRARY SUBSCRIPTION FROM NEW CENTURY BOOKS FOR BIBLIOTEX

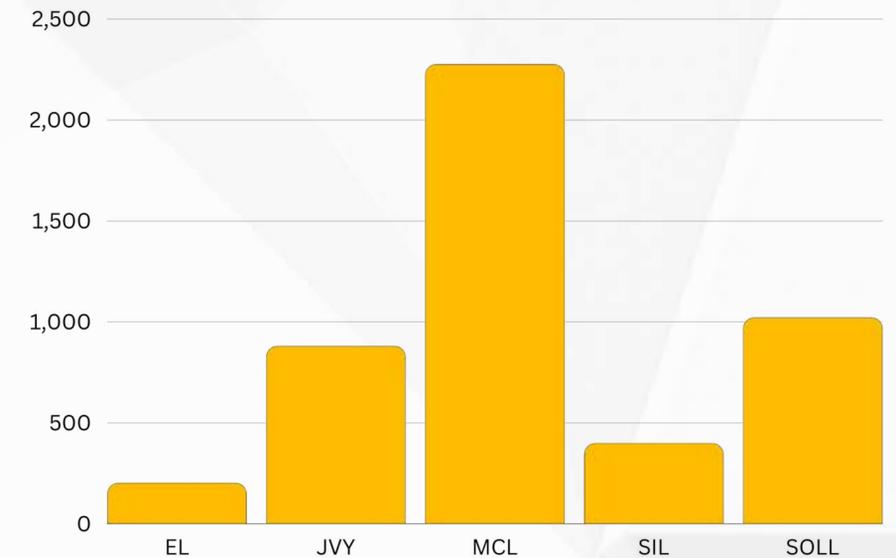


40 New Titles with Perpetual Access (Copyright 2022)

LIBRARY USER STATISTICS



UTILIZATION OF LIBRARY RESOURCES AND EQUIPMENT



Abbreviation:
 EL- Engineering Library • JVY- Jose V. Yap Library • MCL- Main Campus Library
 SIL- San Isidro Library • SOLL- School of Law Library

E-LIBRARY UTILIZATION

ACCESS ENGINEERING			
Platform	Data Type	Metric Type	Reporting Period Total
www.accessengineeringlibrary.com	Platform	Searches Platform	610
		Unique Title Requests	288
		Unique Item Requests	419
www.accessengineeringlibrary.com	Book	Total Item Requests	475
		Unique Title Investigations	294
		Unique Item Investigations	435
		Total Item Investigations	494
		Unique Title Requests	10
www.accessengineeringlibrary.com	Multimedia	Total Item Requests	10
		Unique Item Investigations	10
		Total Item Investigations	10
		Unique Title Requests	10
www.accessengineeringlibrary.com	Other	Total Item Requests	15
		Unique Item Investigations	10
		Total Item Investigations	15

GALE ACADEMIC ONEFILE SELECT						
Product Description	Interface	Inside Remote	Sessions	Full Text Retrievals	Retrievals	Searches
Gale Academic OneFile Select	Web	Inside	104	708	717	1034
			104	708	717	1034
Gale Literary Index	Web	Inside	12	0	16	27
			12	0	16	27
Gale OneFile: Custom Journals 100	Web	Inside	59	110	112	216
			59	110	112	216
Gale Virtual Reference Library	Web	Inside	100	215	215	954
			100	215	215	954
Summary			275	1033	1060	2231

IEEE XPLORE DIGITAL LIBRARY	
Book	1
Journal	51
Conference	4
Courses	0



STUDENT SUPPORT SERVICES

ROADMAP B: INSTRUCTIONAL QUALITY AND
RELEVANCE DEVELOPMENT

STUDENT AWARDS AND RECOGNITIONS



VIRTUAL SCUAA (APRIL)	
CHESS INDIVIDUAL/TEAM	SILVER
ARNIS INDIVIDUAL	GOLD/SILVER
ARNIS TEAM	GOLD
ARCHERY TEAM	SILVER
ARCHERY INDIVIDUAL	SILVER/BRONZE
ATHLETICS M/W	BRONZE

3-POINT SHOOTING WOMEN	BRONZE
TAEKWONDO POOMSAE M INDIVIDUAL	SILVER
TAEKWONDO POOMSAE W INDIVIDUAL	BRONZE
TAEKWONDO POOMSAE GROUP W	GOLD
E-SPORTS ML MEN	BRONZE
E-SPORTS ML WOMEN	BRONZE
CHED NATIONAL FRIENDSHIP GAMES (JUNE-JULY)	

BASKETBALL MEN	5TH PLACE
CHESS TEAM	SILVER
CHESS INDIVIDUAL	GOLD
BEACH VOLLEYBALL MEN	SILVER
BEACH VOLLEYBALL WOMEN	BRONZE
E-SPORTS ML MEN	6TH PLACE
PEKAP REGIONAL ARNIS CHAMPIONSHIPS (OCT)	

INDIVIDUAL / GROUP	38 GOLDS 8 SILVERS 8 BRONZE
TAEKWONDO CHAMPIONSHIP SUBIC, ZAMBALES (NOV)	
KYORUGI	GOLD
POOMSAE	GOLD
VOLLEYBALL Women	
VOLLEYBALL Women ODL Women's Volleyball	3rd place

STUDENT PUBLICATIONS AWARDS 2022

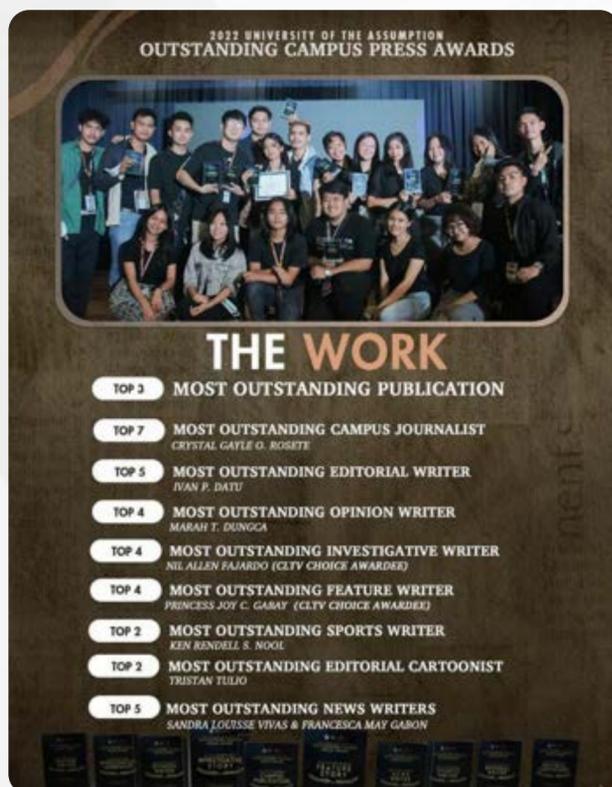
OUTSANDING CAMPUS PRESS AWARDS (November 28, 2022)

The Work, the official student publication of Tarlac State University, was named the third best campus publication among the 30 participating universities and colleges across Luzon in the recently concluded Outstanding Campus Press Awards 2022 held at the University of the Assumption, November 28, 2022.



YOUNG JOURNALISTS PRESS FREEDOM CONGRESS (August 30 & September 01, 2022)

The Work, Tarlac State University's official student publication, prevailed as this year's second Best Performing Publication in the region during the Young Journalists Press Freedom Congress held via Zoom last August 30 and September 1, 2022.



STUDENT AWARDS



6 CAFA STUDENTS CLAIM VICTORY IN SHELL'S NATIONAL STUDENTS ART COMPETITION

Six College of Architecture and Fine Arts (CAFA) students bagged several awards, including the first prize winner under the watercolor painting category, in the Shell 55th National Students Art Competition held at the Ayala Museum in Makati City last December 6, 2022.

Themed "Sulong Sining," the 55th NSAC aims to empower youth in actively shaping the future through their art. John Michael Ramos won the 1st prize with his watercolor painting (30x22 inches) titled "Pag-asa, Dalangin at Pangarap." Ramos received a 60,000 cash prize, a limited edition Shell NSAC shirt and jacket, a gold medal, and a plaque.

Since Ramos won the first prize, the college will receive a 20,000 peso grant to support its faculty development plan. His other entry in the same category landed 6th place. Meanwhile, in the sculpture category, John Romer Pavilando's work titled "Hanggang Pampang" ranked 3rd. Pavilando also joined the digital art category and was included among the top 30 finalists, along with Pamela Mari Zabala and Gizelle Mikaela Lagahi.

Other student artists included in the top 30 finalists are Mica Ann Morte in the watercolor category and Yuri Romero Gutierrez in the sculpture category. Mr. Jessie Tadeo Jr., CAFA instructor and the student artists' mentor, beamed with pride as they claimed victory in their respective categories.



TSU FIREFOX MEN'S BASKETBALL LEADS ELIMINATION ROUND IN CHED FRIENDSHIP GAMES 2022

With a score of 100-18, the Tarlac State University Firefox men's basketball won against the Pateros Technological College Fighting Ducks in the second game (elimination round) of the CHED Friendship Games 2022.

The said match was held on June 12, 2022 at the Trinity University of Asia in Quezon City.



TSU FIREFOX VOLLEYBALL TEAMS CLAIM SILVER, BRONZE IN CHED FRIENDSHIPS GAMES 2022

Tarlac State University's men's and women's volleyball teams bagged silver and bronze medals, respectively, in the Beach Volleyball competition of the CHED Friendship Games 2022 held on June 19, 2022 at SM Sands by the Bay, Pasay City.

The TSU men's beach volleyball claimed the second spot after losing against the powerhouse National University (NU) in the championship. Meanwhile, in the battle for third place, TSU women's beach volleyball team secured the bronze as the only team to win by a single place with no competing team.

The beach volleyball tournament eliminations, quarter-finals, and championship took place on June 16-19. The CHED Friendship Games 2022 formally ended on July 2, 2022 at the Marikina Sports Complex.



TSU ARNIS TEAM WINS OVERALL CHAMPION IN 2ND PEKAF REGION 3

Tarlac State University's Arnis Team bagged the overall champion in the recently concluded 2nd Philippine Eskrima Kali Arnis Federation (PEKAF) Region 3 Arnis Championship last October 23, 2022, at Robinsons Place in Angeles City, Pampanga. The team brought home a total of 52 medals, with 36 gold, eight silver, and eight bronze.

Coaches Mr. Joshua Ysmael Fontanilla and Mr. Joseph Melegrito accompanied the delegation of 22 student-athletes from different colleges.

STUDENT AWARDS



2 SOL STUDENTS BAG AWARDS IN LEAP LITERARY ANTHOLOGY

Two students from the Tarlac State University School of Law won in the literary folio competition of the Legal Education Advancement Program (LEAP) titled "Obiter Dictum: Passing through Life and Law."

Ms. Maryer Roshel Ramos was named "honorable mention" in the traditional art category with her piece, "Wet." Meanwhile, Mr. Daniel Canlas placed 2nd runner-up in the digital art category with his piece called "Inter Alia."

The awarding ceremony was held on December 8, 2022 at the University of the Philippines-BGC Auditorium.

The Obiter Dictum is a project led by the LEAP Student Fellows of the, a collaboration between the Legal Education Board and UP Law Center. This is part of LEAP's efforts to create new generations of lawyers who will be healers, peacemakers, and agents of societal transformation.

ACTIVITIES



TSU EMERGES AS 1ST RUNNER-UP IN CAASUC 3 2022

After two years of the pandemic, the Culture and the Arts Festival of the Culture and the Arts Association of State Universities and Colleges in Region III (CAASUC 3) was held in person and hosted by Tarlac State University where it placed 1st runner-up in the overall rankings. The festival took place last November 21, 23, and 25, 2022.

TSU bagged the championship titles, worth 10 points each, in Radio Drama, Short and Sweet Play-Musical, Poster Making, and Hip-Hop Dance, while Ms. TSU 2022 Ayumi Cayabyab was crowned as Ms. CAASUC-3 2022. Delegates from Pagkukwento, Choir, Solo Kundiman, Piano, and Live Band garnered the first runner-up spots, giving the university additional seven points for each category.

Meanwhile, the university secured ranks in the top five in Storytelling, Pagsulat ng Sanaysay, Spoken Poetry, Short and Sweet Play-Drama, Vocal Duet, Solo Pop Singing, Bandurria, Pencil Drawing, Charcoal Rendering, Contemporary Dance, and Mr. CAASUC-3.

Garnering 120 points, TSU was hailed as the first runner-up in this year's festival, while Bulacan State University bagged the overall champion title with 127 points.



TSU NATIONAL TEACHER'S MONTH CELEBRATION

Tarlac State University celebrated the National Teacher's Month Celebration on October 5, 2022 at the TSU Gymnasium. The event was attended by faculty members and non-teaching personnel of TSU.

PERFORMING ARTS DANCE TROUPE



TSU PERFORMING ARTS DANCE TROUPE SUSTAINS INTERNATIONAL RECOGNITIONS

The Tarlac State University Performing Arts Dance Troupe was awarded three “Excellence” trophies and reaped other recognitions during the 19th Thailand International Folklore Festival held in Chantaburi, Korat, Surin Province in Thailand on October 19-26, 2022.

The group received trophies for their “Spectacular Costume during the Performance,” “Manifesting Careful and Elegant Performance,” and “International Leadership with Crow Spirit,” corresponding to leadership in international activities beyond the pandemic.

Moreover, Culture and Arts head Prof. Marcelino Balanquit is a recipient of the Diamond of Asia Award for his achievements in international culture and arts activities and was named “World Peace Declarer” through international folklore activities.

Prof. Balanquit and the Performing Arts Dance Troupe also received the Thailand IFF pin in international folklore performances.

The Thailand IFF featured 719 international artist-delegates hailing from 24 countries: Philippines, Thailand, Albania, Bulgaria, Bangladesh, Cambodia, China, Hungary, Italy, India, Indonesia, Israel, Japan, Korea, Laos, Myanmar, Nepal, Nigeria, Poland, Peru, Sri Lanka, and Turkey.



TSU DANCE TROUPE WINS 10 OUT OF 10 ENTRIES IN DUBAI

All 10 entries of the Tarlac State University Performing Arts Dance Troupe won in the Golden Palm 2022, World Association of Performing Arts (WAPA) World Event, in Dubai, United Arab Emirates held on December 16-22, 2022.

The university’s world-class dance troupe reaped first place in two Grand Prix–Large Team competitions where they danced their iconic Tinikling and Bumayah. They also secured first place in the Grand Prix–Small Team with the folk dance Ragragsakan.

Moreover, the group also won first place in the Trio Dance Category and Duo Folk Dance Category. The three winning entries in the Trio Dance are Man Manok, Binasuan, and Amaemeytok, while the Duo Folk Dance winning entries are Aray, La Jota Moncadeña, La Jota Gumaqueña, and La Jota Tarlaqueña.

These dances were performed last December 20, 2022. Meanwhile, last December 19, the TSU PADT was also awarded by the WAPA as the Best International Folk Dance Ensemble in Southeast Asia.

The international association also bestowed the Best International Folk Dance Director of 2022 award to Prof. Marcelino P. Balanquit, the head of TSU’s Culture and Arts Section.

TSU CHORALE



TSU CHORALE WINS TASKUS UNIVERSITY CHOIR COMPETITION

The Tarlac State University Chorale was declared champion in the TaskUs University Choir Competition held in Clark Freeport Zone, Pampanga on December 21, 2022.

The competition was also joined by several universities and colleges in Central Luzon.

MOBILITY

NO. OF STUDENTS INVOLVED IN INTER-COUNTRY MOBILITY (SUC LEVELLING)

10
TARGET

25
ACCOMPLISHMENTS

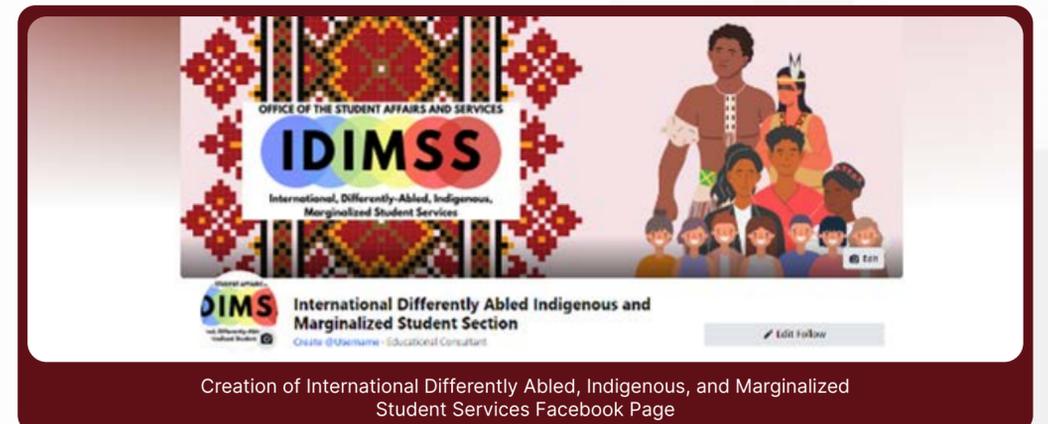
International, Differently Abled, Indigenous and Marginalized Student Services (IDIMSS)



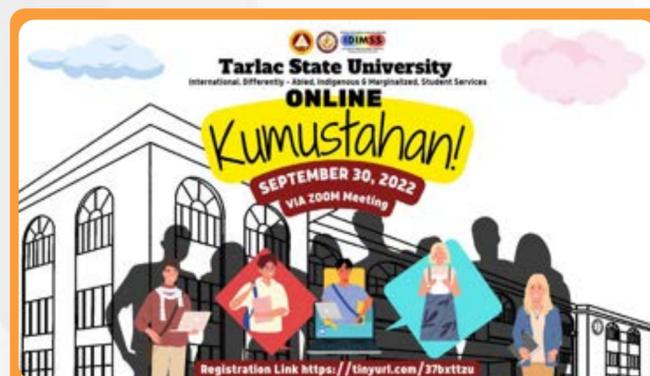
The Philippine National Indigenous People's Month is observed every October of each year under Republic Act No. 10689. In celebration of the 2022 National Indigenous Peoples Month, themed "Pagtataguyod ng Pamayanang Kultural para sa Isang Matatag na Pilipinas," the Student Affairs and Services – International, Differently Abled, Indigenous, Marginalized Student Services (SAS – IDIMSS) facilitated a program for all indigenous students of the university. The IDIMSS Office recorded 105 attendees during the program. Additionally, the office hosted a meeting for all SAS unit and section heads to gather and discuss the provision of possible specialized services for the marginalized students, especially those from the indigenous students' sector.



IDIMSS staff assisted the SAS – EED section and the IDIMSS IP and PWD students throughout the event titled BRIDGES: Better Roads in Developing Great Entrepreneurial Spirit.



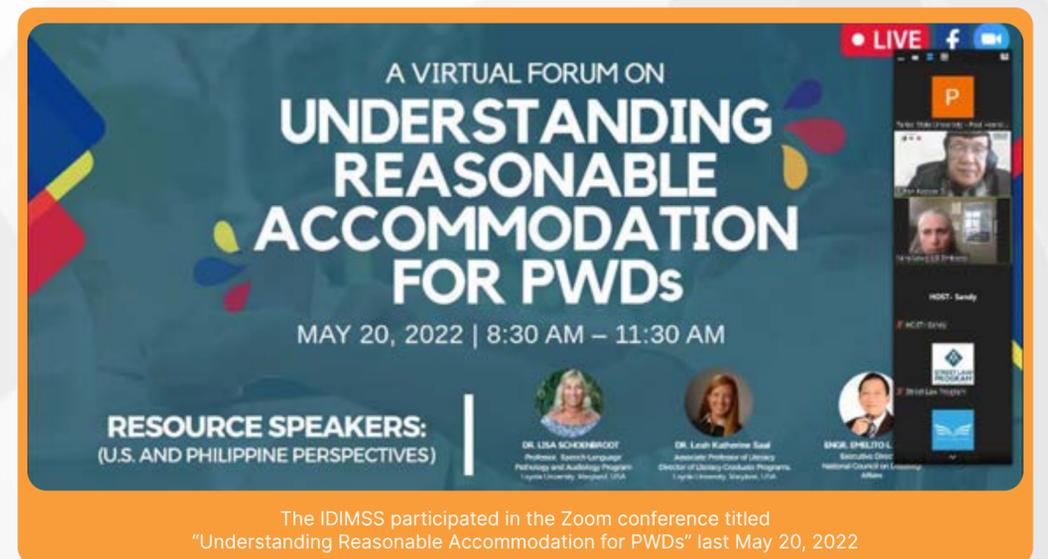
Creation of International Differently Abled, Indigenous, and Marginalized Student Services Facebook Page



"Online Kumustahan" for international, differently-abled, and marginalized students.



MOA signing between TSU and PAFCPIC on September 23, 2022 to renew its partnership for the scholarship grants of students who are indigents, PWDs, and IPs.

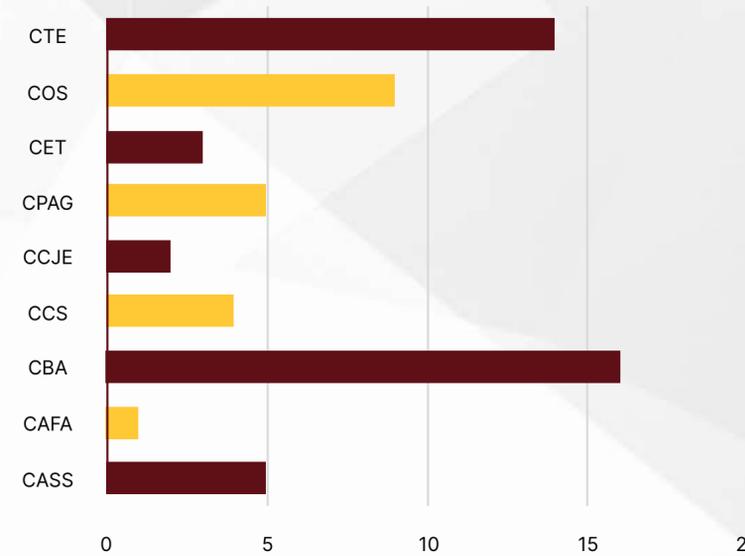


The IDIMSS participated in the Zoom conference titled "Understanding Reasonable Accommodation for PWDs" last May 20, 2022

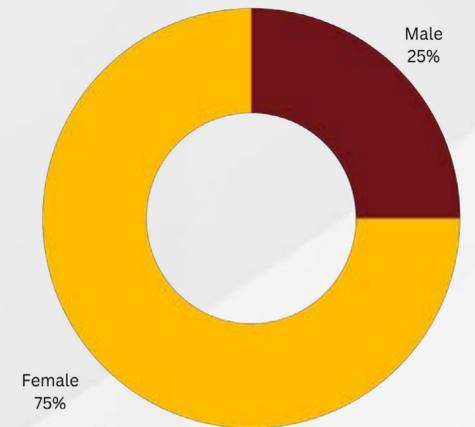
GUIDANCE AND COUNSELING SERVICES

INDIVIDUAL COUNSELING CONDUCTED (January-December 2022)										
Month	College									Total
	CASS	CPAG	COS	CBA	CCS	CET	CCJE	CAFA	CTE	
January	20	0	1	18	1	0	2	3	6	51
February	2	1	0	0	0	1	0	0	1	5
March	3	0	3	4	1	3	0	0	0	14
April	4	0	2	0	0	0	0	0	0	6
May	8	0	0	1	0	0	0	0	0	9
June	0	1	1	2	0	1	0	0	0	5
July	0	0	1	0	0	0	1	0	1	3
August	1	0	1	4	0	0	0	0	1	7
September	1	0	3	7	0	0	0	0	0	11
October	42	1	0	14	1	0	0	2	5	65
November	59	2	1	5	0	2	1	1	1	72
December	2	0	1	3	1	1	0	0	3	11
Total	142	5	14	58	4	8	4	6	18	259

Summary of Individual Counseling Per College

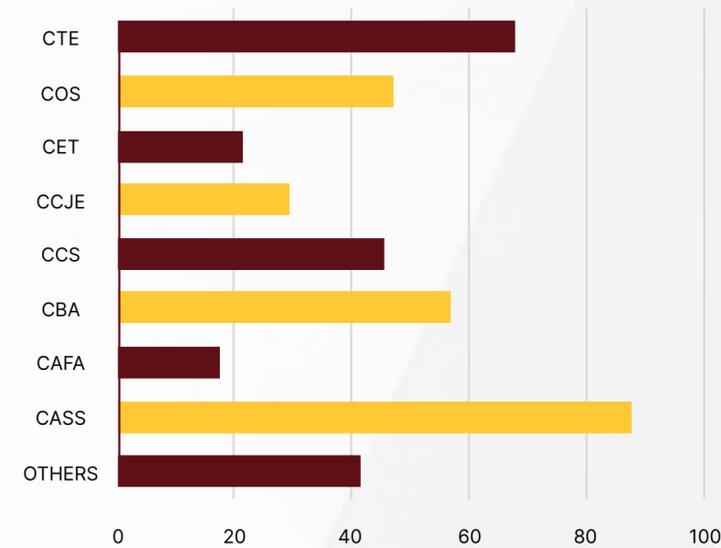


Student Distribution

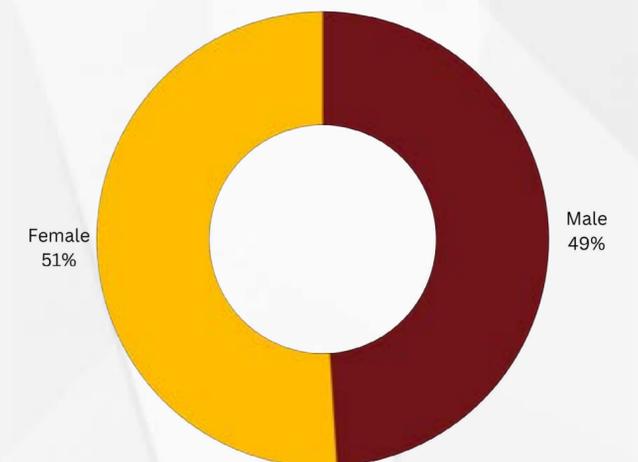


CONSULTATION (January-December 2022)											
Month	College										Total
	CASS	CPAG	COS	CBA	CCS	CET	CCJE	CAFA	CTE	OTHERS	
January	10	5	3	6	8	4	5	2	7	5	55
February	3	1	2	4	1	0	2	1	3	2	19
March	16	0	6	7	2	1	1	0	4	3	40
April	25	5	8	2	14	6	4	5	9	5	83
May	6	2	3	12	3	1	7	3	8	1	46
June	4	1	2	9	2	3	5	1	16	1	44
July	5	2	3	4	7	3	3	4	6	9	46
August	2	0	5	6	1	2	0	0	9	8	33
September	0	0	4	2	1	0	1	0	1	1	10
October	2	0	0	1	3	1	0	2	0	1	10
November	14	2	7	3	1	0	1	0	2	1	31
December	1	0	4	1	2	0	0	0	3	4	15
Total	88	18	47	57	45	21	29	18	68	41	432

Summary of Consultations



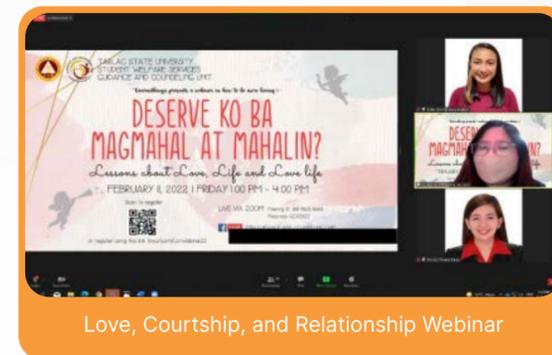
Student Distribution



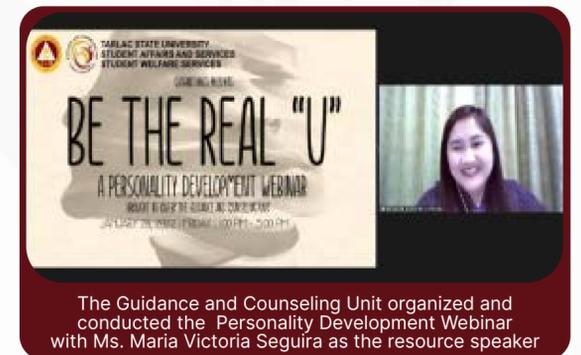
GUIDANCE AND COUNSELING SERVICES

GUIDANCE AND COUNSELING ACTIVITIES

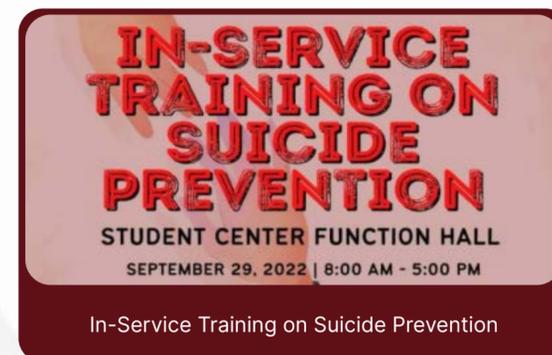
ISSUANCE OF CERTIFICATE OF GOOD MORAL CHARACTER 2022										
Month	Scholarship	Employment	Board Exam	Transferee	OJT	Enrollment	PNP	COMS ELEC	Others	Total
January	15	4	13	26	0	9	2	0	0	69
February	88	6	29	5	0	0	7	0	0	135
March	112	10	8	0	0	0	11	0	0	141
April	44	12	3	0	0	0	1	0	0	60
May	7	13	16	3	0	0	22	0	12	73
June	142	7	35	0	0	0	5	0	0	189
July	321	36	18	12	0	10	42	0	0	439
August	247	9	41	0	0	2	4	0	5	308
September	48	54	46	2	2	0	16	0	0	168
October	9	22	13	0	0	0	4	0	2	50
November	52	5	12	0	0	0	5	0	16	90
December	9	4	3	0	0	0	4	0	11	31
Total	1,094	182	237	48	2	21	123	0	46	1,753



Love, Courtship, and Relationship Webinar



The Guidance and Counseling Unit organized and conducted the Personality Development Webinar with Ms. Maria Victoria Segura as the resource speaker



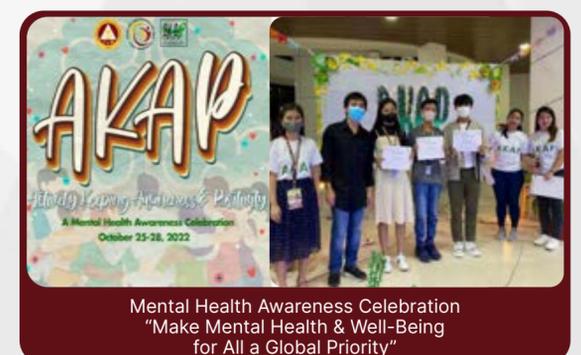
In-Service Training on Suicide Prevention



University Freshmen Orientation



Conduct of S.A.L.T. Activity last April 26, 27, 28, 29, 2022



Mental Health Awareness Celebration "Make Mental Health & Well-Being for All a Global Priority"

TRAININGS/ WEBINARS CONDUCTED FOR TSU STUDENTS					
Month	Name of Trainings/ Seminars	Participants/ Organization	Male	Female	No. of Participants
January	Personality Development Webinar "Be the Real U"	All Colleges	239	461	700
February	Love, Courtship and Relationship Webinar "Deserve Ko Ba Magmahal at Mahalin? A Lesson about Love, Life, and Love Life"	All Colleges	180	59	239
April	Self-awareness, Appreciation for others, Loving God, and Transformation (Ecumenical Reflection Activity)	All Graduating Students of Tarlac State University	864	1,938	2,802
August	University Freshmen Orientation	All Freshmen Students	1596	2753	4,322
	Parent Orientation	All Parents Guardians of Freshmen Students	0	1	1
October	Mental Health and Psychosocial Support Webinar	All Colleges	135	275	410
	Prioritizing Mental Health and Well-being Seminar	All Colleges	82	213	295
Total number of webinars held within the year	6	Total number of students participated on different webinars within the year	3,096	5,700	8,769

SCHOLARSHIP AND FINANCIAL ASSISTANCE

List of Scholarship programs as of December 2022



No.	Scholarship Provider	1st Semester A.Y 2021-2022	2nd Semester A.Y 2021-2022	A.Y 2021-2022	1st Semester A.Y 2022-2023	2nd Semester A.Y 2022-2023	A.Y 2022-2023
TSU PROGRAMS							
1	Scholarship Program for Differently Abled Individual	5	8	13	22		22
2	TSU-FACULTY/PERSONNEL	9	9	18	4		4
CONGRESSIONAL & STUFAP							
3	ESGP-PA 4P's	1	1	2	1		1
4	LISTAHAN (TES)	230	230	460	220		220
OTHER CONGRESSIONAL & STUFAP							
5	CHED-TULONG DUNONG(TDP)	2671	2602	5273	1326		1326
Other Government Agencies/LGU							
6	Department of Science and Technology (DOST)	72	89	161	90		90
PRIVATE AND INDIVIDUAL SPONSORS							
7	LUIS CO CHI KIAT FOUNDATION, INC. (LCCKF PUREGOLD)	14	14	28	9		9
8	MAC ENTERPRISES INC (1ST MEGASAVERS)	2	2	4	2		2
9	Producters Integrated Cooperative(PAFCPIC)	85	81	166	80		80
10	PLDT-SMART Foundation Inc (2G-Gabay Guro Program)	22	22	44	16		16
11	Rotay Club of Midtown Tarlac	4	4	8			0
12	Program	13	31	44	30		30
13	TSU • Athletic Scholarship Program	14	17	31	13		13
14	TSU - Investment and Student Scholarship Program	110	110	220	150		150
15	TSU - Performing Arts (CHORALE)	14	12	26	17		17
16	TSU • Performing Arts (DANCE TROUPE)	14	17	31	19		19
17	TSU • Student Leadership Scholarship Program	15	12	27	13		13
18	TSU - The Work Scholarship Program	16	16	32	20		20
19	Yokohama Tire Phils, Inc	3	3	6	4		4
GRAND TOTAL		3,314	3,280	6,594	2,036	-	2,036

TESTING, EVALUATION AND MONITORING

TOTAL NO. OF APPLICANTS

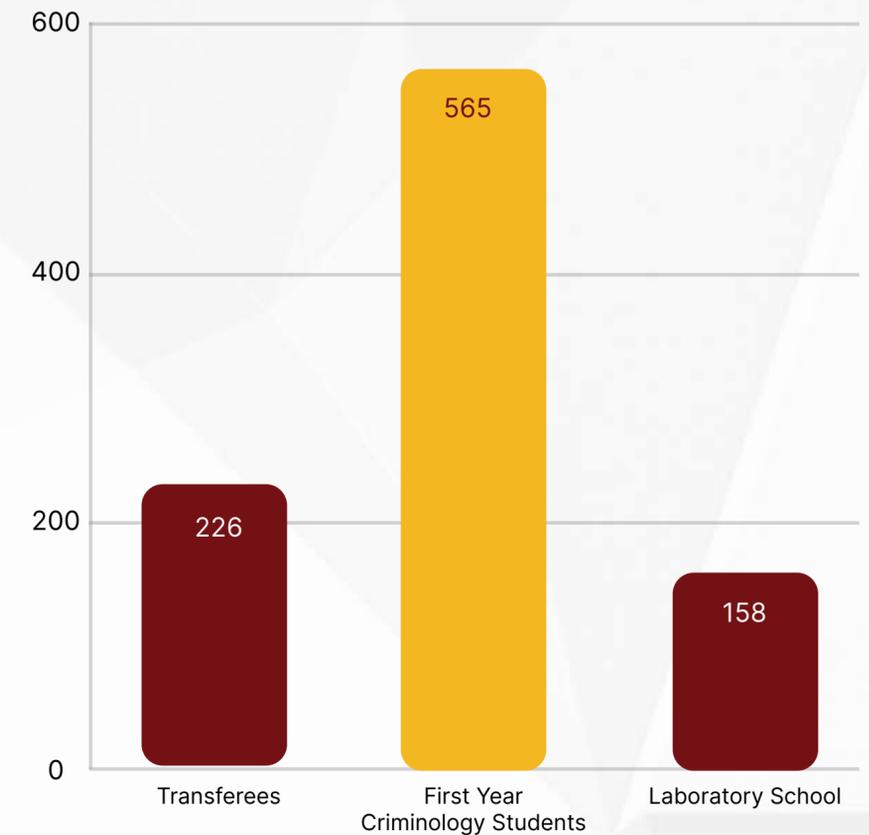


12,896

TOTAL NO. OF EXAMINEES



11,864



- The Testing, Evaluation, and Monitoring Unit (TEMU) under the Student Affairs and Services administered admission tests for incoming first year students from February 8 to March 31, 2022, in line with the TSU College Admission Evaluation.
- First year Criminology students were subjected to the psychological testing services of the TEMU on the 3rd floor of the Student Center at the TSU Lucinda Campus.
- The TEMU assisted the Scholarship and Financial Assistance Unit by administering psychological tests (intelligence and personality tests). The results were used as one of the bases to select students for scholarship grants.
- Senior High School students from the university's Laboratory School were subjected to the psychological testing services of the TEMU on the 3rd floor of the Student Center at the TSU Lucinda Campus.

CAMPUS RECRUITMENT ACTIVITY 2022



Tarlac State University, through the Career Education and Job Placement Services Unit (CEJPS), held its first Campus Recruitment Activity (CRA) for 2022 with Sitel Tarlac on July 26.



The second CRA was participated by two companies, Sitel Tarlac and McDonald's Concepcion Tarlac with 65 applicants. This was held on October 14, 2022 at the TSU Main Campus VIP Lounge.



Tarlac State University and SM Shopping Center Management Corp. formally established a partnership for the university's students and alumni through a memorandum of agreement (MOA) signed on August 5, 2022 (Friday) at the VIP Lounge of the Main Campus. With this partnership, TSU can further help its students in recruitment and job placement, internship, and career development, according to CEJPS Head Ms. Niña Garcia.

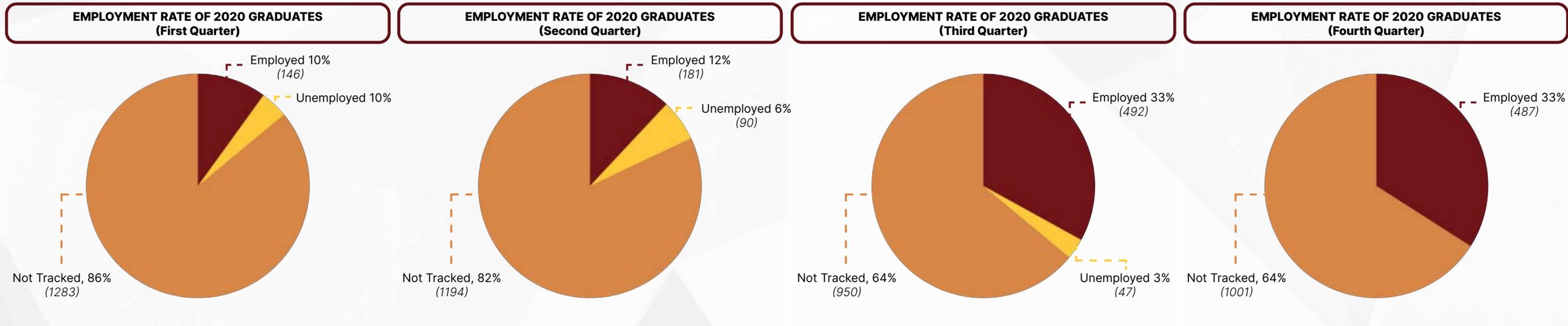


Tarlac State University's Career Fair 2022 kicked off with an opening program on September 13, 2022 at the TSU Gymnasium. Themed "Point Your Search in the Right Direction: TSUians Career Ready," this hybrid two-day event was organized by the CEJPS led by Dr. Niña C. Garcia in collaboration with DOLE-Tarlac (Department of Labor and Employment) and PESO-Tarlac (Public Employment Service Office).



CAREER EDUCATION AND JOB PLACEMENT SERVICES

2020 GRADUATES' EMPLOYMENT RATE GRAPHICAL PRESENTATION



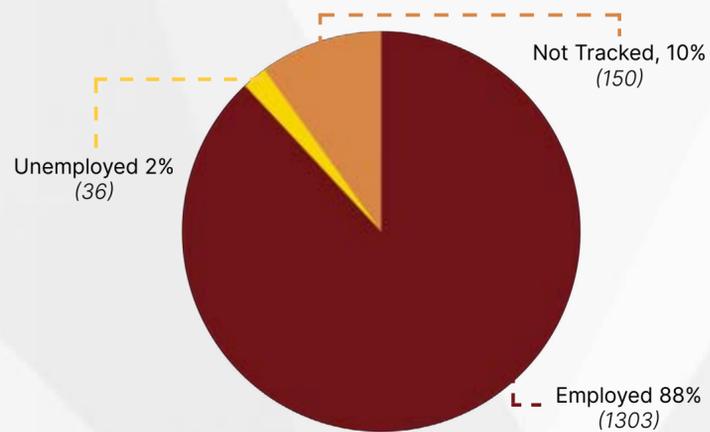
This pie chart shows the employment rate for the first quarter of 2020, where 10% (146) of the total graduates are employed, and 4% (60) are unemployed. Meanwhile, the remaining 86% (1283) have not been tracked.

For the second quarter, 12% (181) of the total graduates are employed, the other 6% (90) are unemployed, and 82% (1194) are not tracked.

For the third quarter, 33% (492) of the total graduates are employed, the other 3% (47) are unemployed, and 64% (950) are not tracked.

For the fourth and final quarter, 33% (487) of the total graduates are employed, and 64% (1001) are not tracked.

Employment Rate of 2020 Graduates

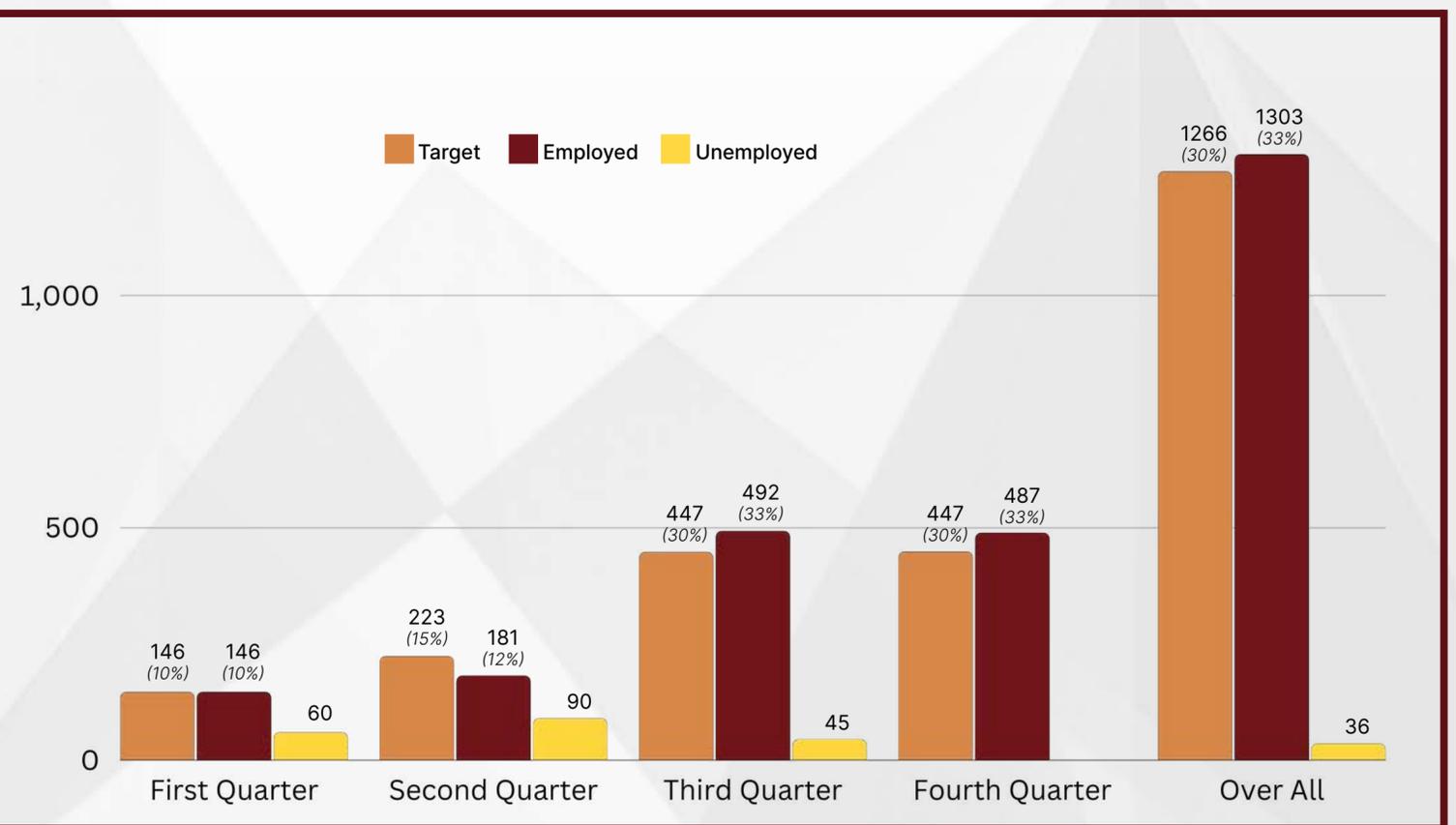


The overall employment rate of 2020 graduates is 88% (1303), while the other 2% are unemployed and the 10% (150) are not tracked.

Year 2020 Graduates Employment Rate

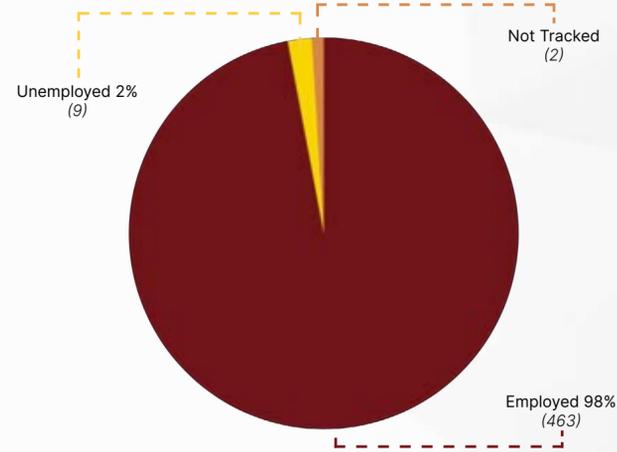
For 2020 graduates whose employment status was tracked, the 85% overall target employment rate was successfully met with an actual employment rate of 88%.

In detail, the 10% first-quarter target was met, second-quarter records were below 3% of the target, and both the third and fourth quarters exceeded the target by 3%.



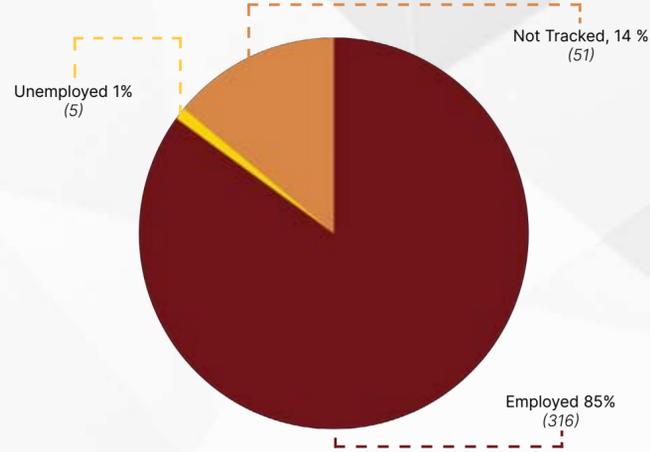
PER CAMPUS

MAIN CAMPUS



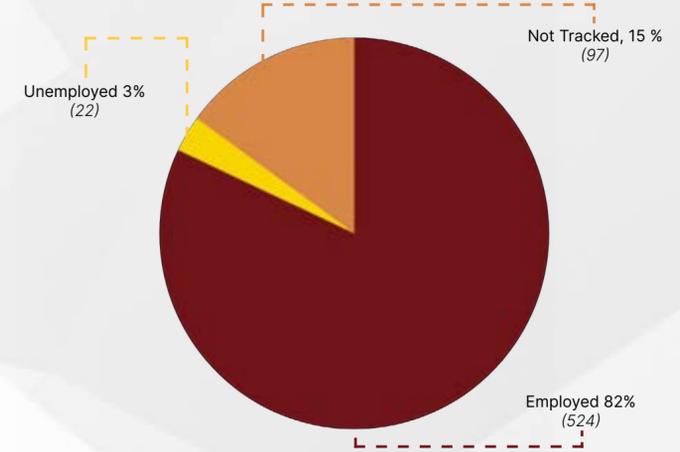
The Main Campus employment rate is 98%. 2% are unemployed and 2 are not tracked.

SAN ISIDRO CAMPUS



The San Isidro Campus the employment rate is 85%. 1% is unemployed and 14% are not tracked.

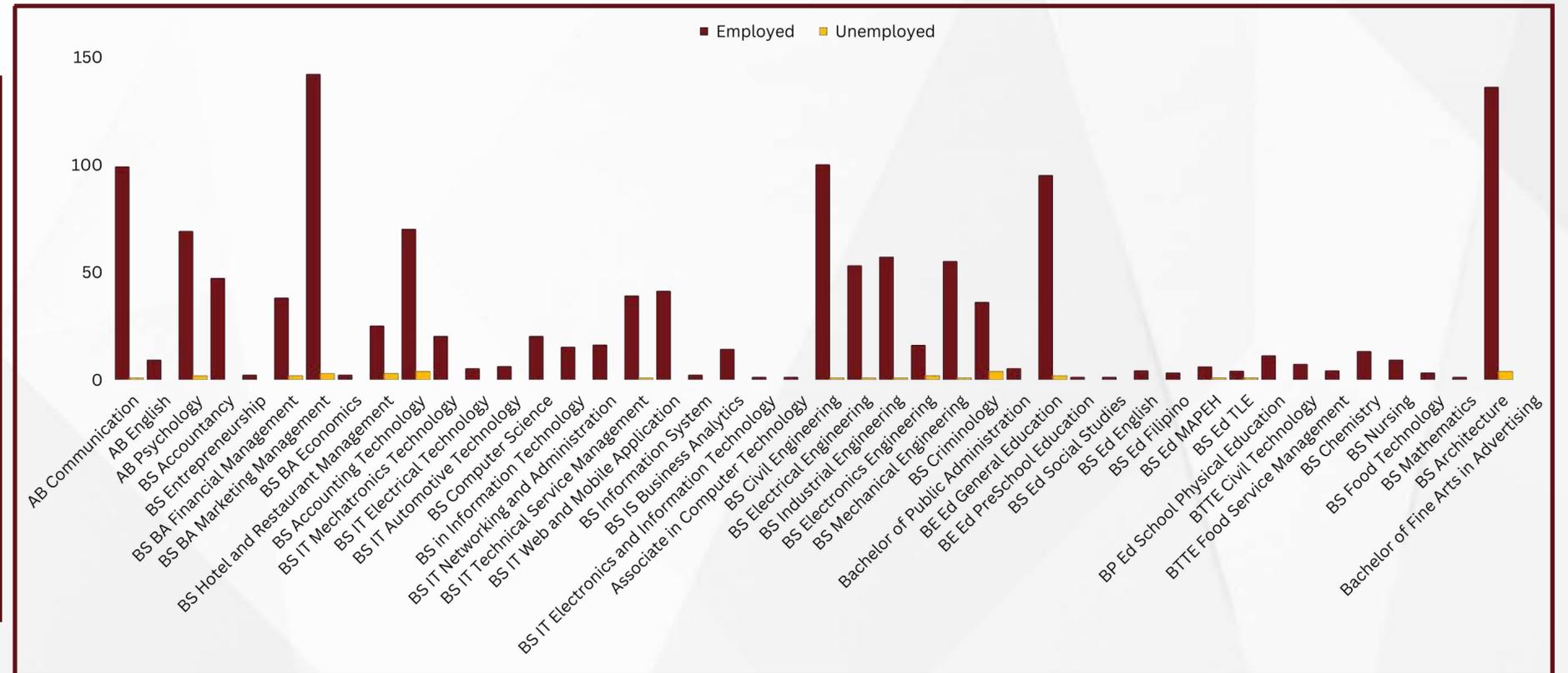
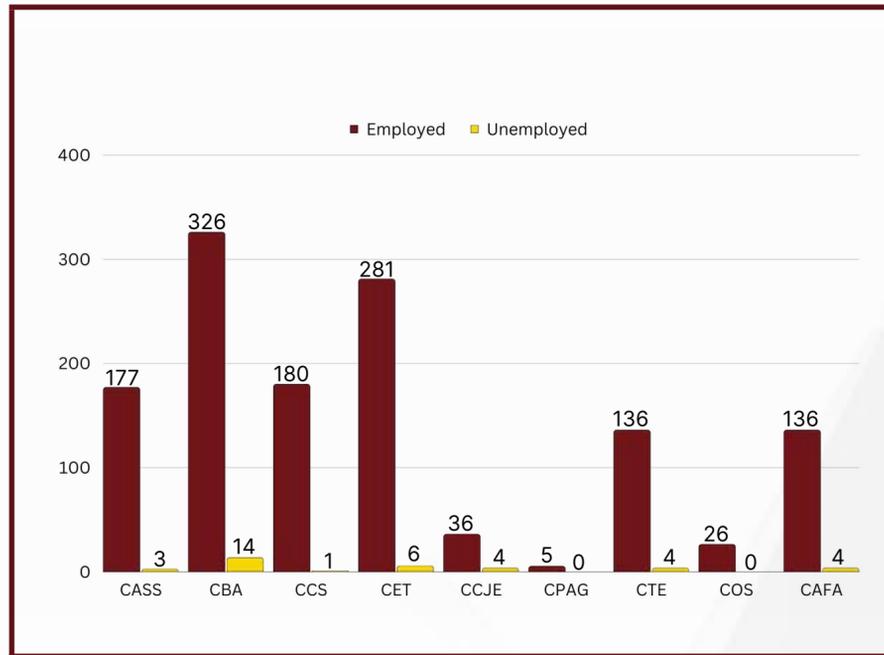
LUCINDA CAMPUS



The Lucinda Campus the employment rate is 82%. 3% are unemployed and 15% are not tracked.

PER PROGRAM

PER COLLEGE

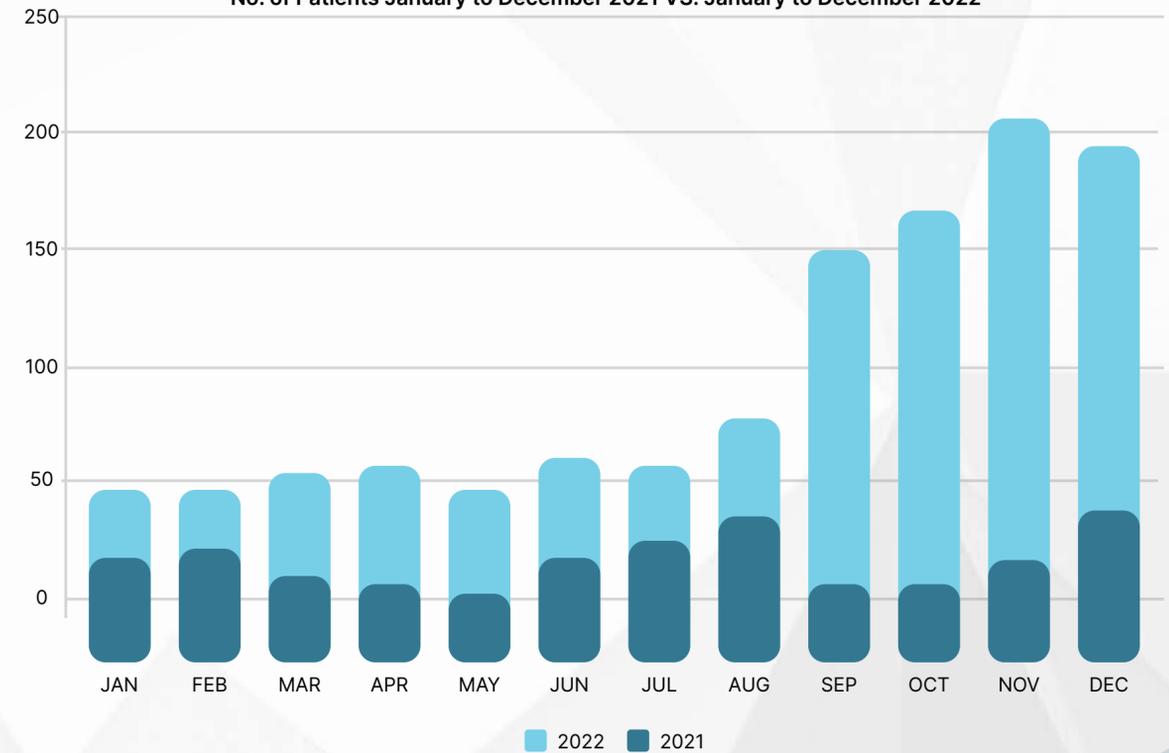


MEDICAL AND DENTAL ACTIVITIES



ACTIVITY / PROGRAM	PERSON INVOLVED	NO. OF STUDENTS SERVED		
		Main	Lucinda	Total
a.	Dental Filling	Dentist / Dental Assistant	189	
b.	Oral Prophylaxis	Dentist / Dental Assistant	2	
c.	Extraction	Dentist / Dental Assistant	102	
d.	Oral Examination	Dentist / Dental Assistant	866	
TOTAL			1,159	1,159

No. of Patients January to December 2021 VS. January to December 2022



The purchase of the extraoral suction needed for dental filling last November 2021 significantly increased the number of patients from November to December 2021. With this development, there was a significant surge in the number of patients treated from January 2022, with the highest number reached in November 2022.



MEDICAL CONSULTATIONS



MEDICAL ASSISTANCE DURING STUDENT ACTIVITIES



ONLINE CONSULTATIONS DURING THE LIMITED FACE TO FACE CLASSES



AMBULANCE ASSISTANCE FOR EMERGENCY SERVICES



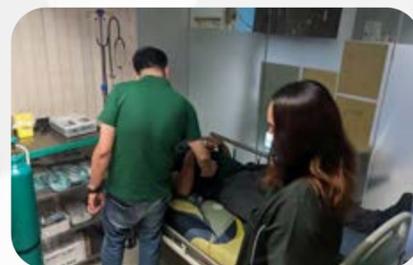
FREE SCREENING TESTS



FREE MEDICAL SEMINAR



REFERRAL TO OTHER HOSPITALS AND CLINICS



A. Daily Clinical Operatory Activities:



MAIN CAMPUS

B. JMP Outreach Program



Medical and Dental mission at Sitio Paoay, Guiteb Ramos, Tarlac on December 17, 2022 together with the Philippine Association of Family Medicine, Rotary Club of Tarlac, and TSU Dental and Medical Unit

C. Medical and Dental Mission/Gift Giving



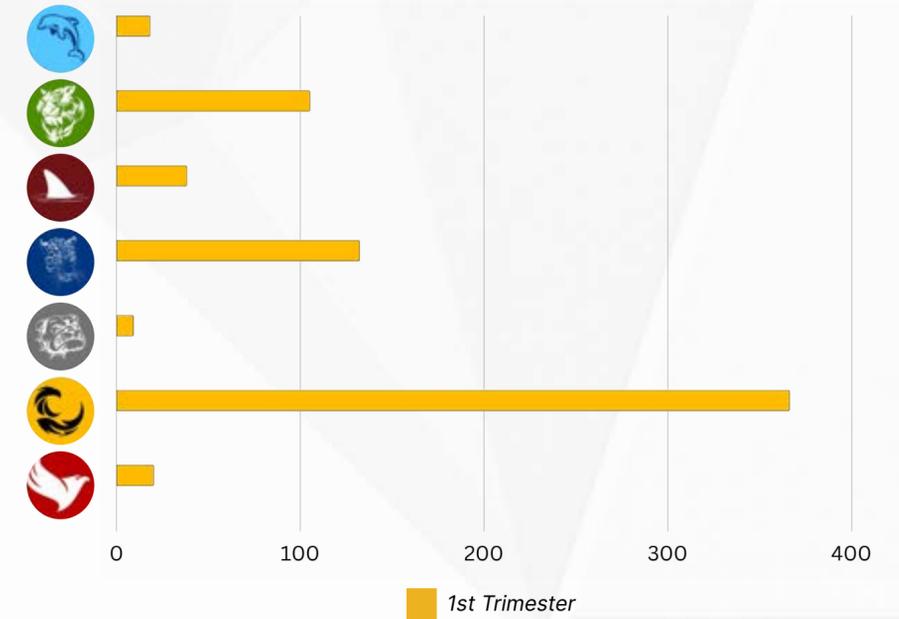
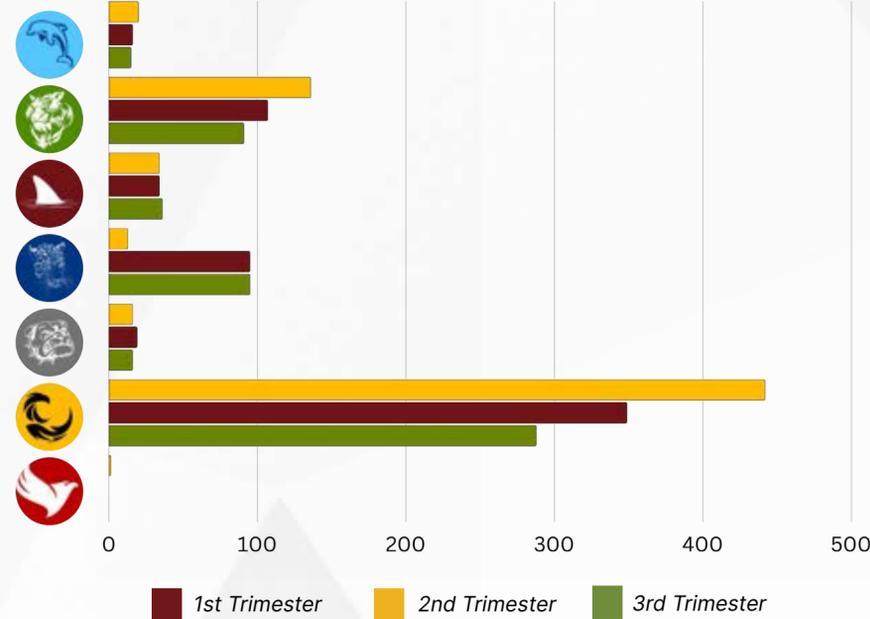
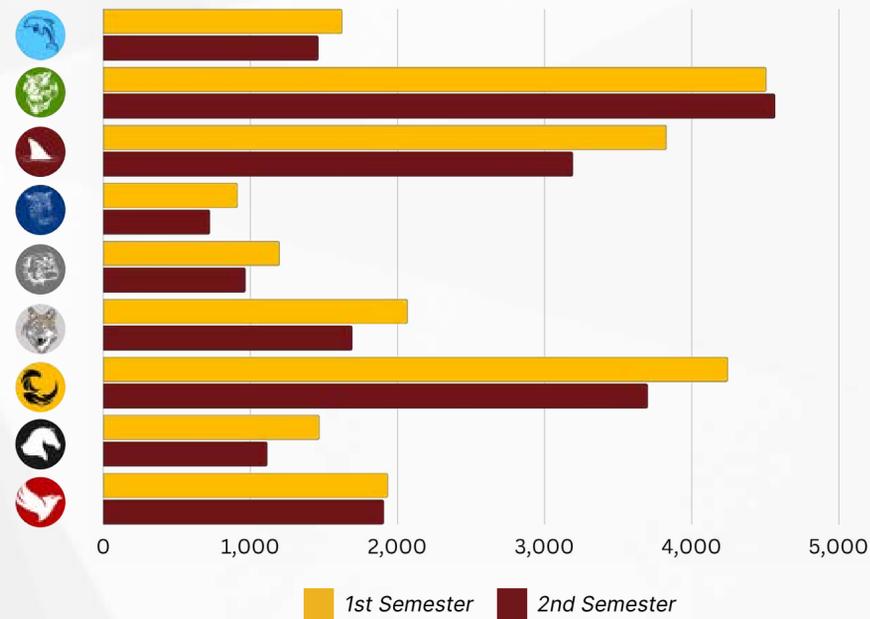
Outreach activity at the Bureau of Jail Management and Penology at Baras-baras, Tarlac City on October 29, 2022 together with College of Public Administration and Governance, Medical and Dental Unit



ADMISSION AND RETENTION

ROADMAP B: INSTRUCTIONAL QUALITY AND
RELEVANCE DEVELOPMENT

ENROLLMENT STATISTICS



COLLEGE	1st Semester A.Y. 2022-2023	2nd Semester A.Y. 2021-2022
College of Arts and Social Sciences	1623	1461
College of Business and Accountancy	4505	4565
College of Engineering and Technology	3827	3191
College of Public Administration and Governance	912	724
College of Criminal Justice Education	1197	966
College of Science	2067	1692
College of Teacher Education	4244	3700
College of Architecture and Fine Arts	1468	1114
College of Computer Studies	1933	1906

GRADUATE SCHOOL ACADEMIC YEAR 2021-2022			
COLLEGE	1st Trimester	2nd Trimester	3rd Trimester
College of Arts and Social Sciences	20	16	15
College of Business and Accountancy	136	107	91
College of Engineering and Technology	34	34	36
College of Public Administration and Governance	13	95	95
College of Science	16	19	16
College of Teacher Education	442	349	288
College of Computer Studies	1	0	0

GRADUATE SCHOOL ACADEMIC YEAR 2022-2023	
COLLEGE	1st Trimester
College of Arts and Social Sciences	18
College of Business and Accountancy	105
College of Engineering and Technology	38
College of Public Administration and Governance	132
College of Science	9
College of Teacher Education	336
College of Computer Studies	20

INDICATORS	TARGET	ACCOMPLISHMENT
Number of fulltime students (SUC Levelling)	20 875	21, 755
Percentage of undergraduate student population enrolled in CHED-identified and RDC-identified priority program. (PBB)	50%	87.05%
Percentage of enrolled foreign students	0.18%	4.13%

TOTAL STUDENT POPULATION

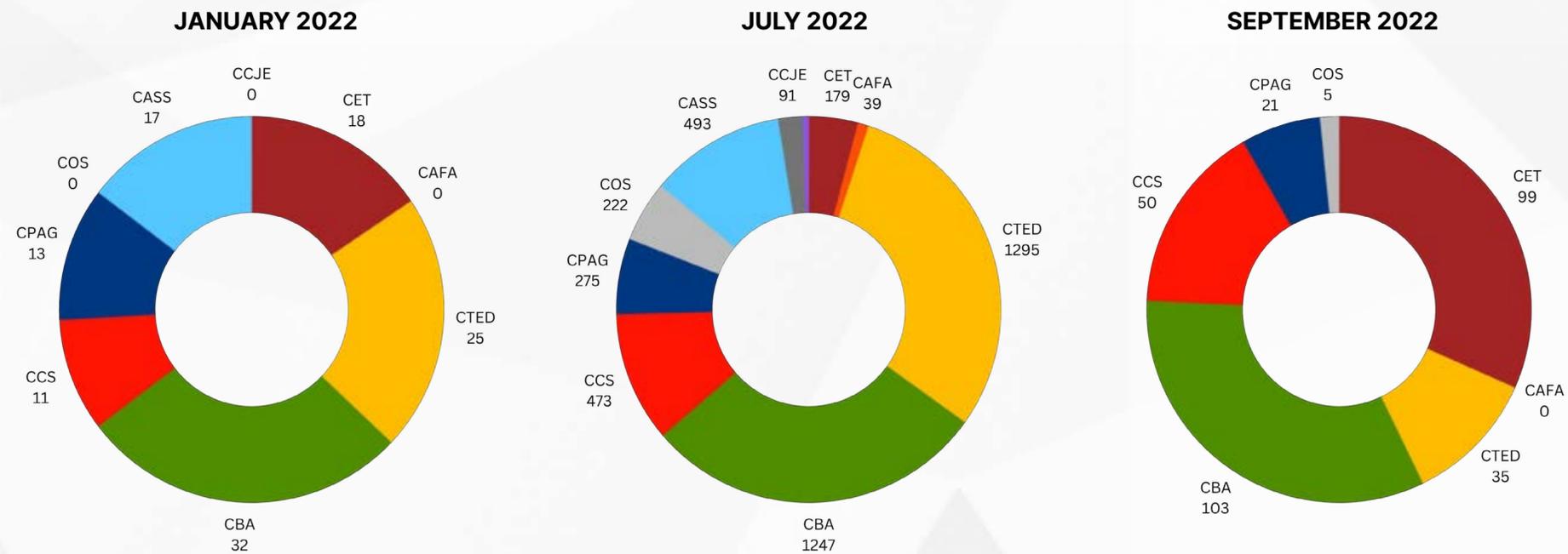
22,435



GRADUATES EMPLOYMENT

ROADMAP B: INSTRUCTIONAL QUALITY AND RELEVANCE DEVELOPMENT

SUMMARY OF GRADUATES



TOTAL NUMBER OF GRADUATES
4,763 

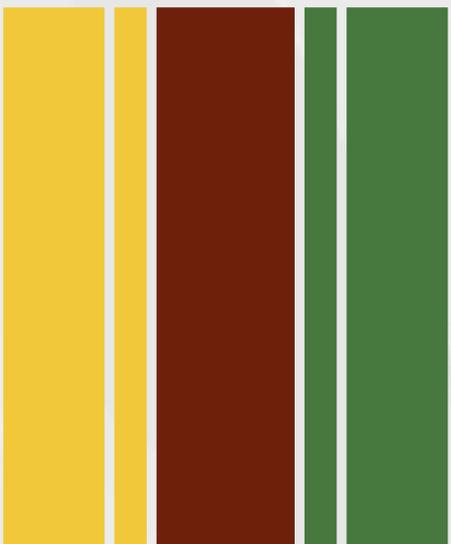
TSU CONTINUES IN-PERSON GRADUATION RITES FOR BACCALAUREATE PROGRAMS, PRODUCES 1,017 HONOR GRADUATES

Tarlac State University's 33rd Commencement Exercises were held in a series of limited face-to-face ceremonies from June to July 2022 with 4,336 graduates. This is the first-time students from bachelor's degree programs have experienced face-to-face graduation rites since the outbreak of the COVID-19 pandemic in 2020.

The university conducted daily graduation ceremonies with morning and afternoon sessions from July 19-22 to accommodate 4,210 bachelor's degree graduates at the TSU Gymnasium. In the same week, 20 Juris Doctor graduates from the School of Law had their separate graduation ceremony at the TSU Alumni Center of the Lucinda Campus on July 18, 2022.

Last June 27, the university sent off its first batch of Capas Campus graduates composed of 66 students from BS Criminology, Bachelor of Public Administration, and Bachelor of Elementary Education. The ceremony was held at Kastelo Verde in Capas, Tarlac. Meanwhile, 40 master's and doctoral degree graduates were conferred their degrees on the following day, June 28, at the TSU Gymnasium.

Though the Tarlac Province has been consistently under Alert Level 1 since March 2022, the university administration deemed it necessary to hold the commencement exercises in parts. The number of graduates and their guests was limited to prevent and minimize the possibility of spreading the COVID-19 virus.



2022 BOARD TOPNOTCHERS



AR. RENDELL K. SOTTO
TOP 6
January 2022 Architect Licensure Examination



ENGR. KERVIN A. MELCHOR
TOP 10
February 2022 Master Plumber Licensure Examination



ATTY. MICHAEL JOHN O. DIMARUCUT
EXEMPLARY PERFORMANCE
2020/21 Philippine Bar Examination



ENGR. BENIGNO P. YEBES
TOP 6
April 2022 Registered Master Electrician Licensure Examination



ENGR. ERWIN M. MABUTI
TOP 6
July 2022 Master Plumber Licensure Examination



ENGR. MARIA VIDA D. ORA'A
TOP 10
July 2022 Master Plumber Licensure Examination



PAULA M. GAZA, LPT
TOP 6
October 2022 Licensure Examination for Teachers - Elementary Level



MICHELLE JOY L. LIM, RN
TOP 3
November 2022 Nurse Licensure Examination



HARYL LYN C. DELA VEGA, RN
TOP 8
November 2022 Nurse Licensure Examination



ERIKA JOY D. SALUDEZ, RCrim
TOP 10
December 2022 Criminologist Licensure Examination

LICENSURE PERFORMANCE

PASSING PERCENTAGE IN LICENSURE PERFORMANCE



CRIMINOLOGIST

DECEMBER 2021

59.18%

34.19%

JUNE 2022

28.57%

30.39%

Elementary

60.78%

56.90%

Secondary

59.63%

54.29%

Elementary

57.61%

48.89%

MARCH 2022

Secondary

45.10%

41.73%

Elementary

69.23%

50.62%

JUNE 2022

Secondary

62.07%

50.50%

Elementary

58.44%

54.45%

OCTOBER 2022

Secondary

48.93%

50.94%



PROFESSIONAL TEACHERS



ARCHITECT

JANUARY 2022

58.33%

62.39%

JUNE 2022

50.55%

63.74%



MASTER PLUMBER

FEBRUARY 2022

66.67%

62.38%

JULY 2022

58.82%

51.28%



MECHANICAL ENGINEERS

FEBRUARY 2022

79.49%

56.11%

AUGUST 2022

48.00%

54.15%

LICENSURE PERFORMANCE

PASSING PERCENTAGE IN LICENSURE PERFORMANCE



LICENSURE EXAMINATION	DATE OF EXAMINATION	INSTITUTIONAL PASSING	NATIONAL PASSING
PSYCHOMETRICIAN	FEBRUARY 2022	38.71%	43.24%
ELECTRONICS ENGINEERS	APRIL 2022	35.29%	46.60%
	OCTOBER 2022	13.89%	29.69%
ELECTRONICS TECHNICIAN	APRIL 2022	86.67%	85.19%
	OCTOBER 2022	78.26%	77.11%
ELECTRICAL ENGINEERS	APRIL 2022	68.42%	54.21%
	SEPTEMBER 2022	59.52%	50.21%
MASTER ELECTRICIANS	APRIL 2022	73.33%	46.26%
	SEPTEMBER 2022	63.16%	63.08%
PUBLIC ACCOUNTANT	MAY 2022	25.93%	22.29%
	OCTOBER 2022	50.00%	25.84%

LICENSURE PERFORMANCE

PASSING PERCENTAGE IN LICENSURE PERFORMANCE



LICENSURE EXAMINATION	DATE OF EXAMINATION	INSTITUTIONAL PASSING	NATIONAL PASSING
CIVIL ENGINEERS	MAY 2022	35.50%	42.35%
	NOVEMBER 2022	41.00%	39.34%
NURSE	MAY 2022	88.89%	68.01%
	NOVEMBER 2022	94.74%	74.40%
CHEMIST	OCTOBER 2022	52.63%	38.85%
CHEMICAL TECHNICIAN	OCTOBER 2022	84.09%	85.16%
LAWYERS	FEBRUARY 2022	—	72.28%

ALUMNI AFFAIRS



COS ALUMNI GIVE BACK TO CHEMISTRY STUDENTS THROUGH CALCULATOR DONATIONS

Forty-five students from the College of Science (COS) received scientific calculators from the COS Alumni Organization during the "Alay SayKal ng Chem Alumna 2022" event on June 21, 2022 at the Main Campus AVR.

The TSU Alumni Association Inc. spearheaded the event alongside the college-based alumni organization, which raised 42,000 pesos for the scientific calculator units.

According to COS Alumni Organization president Prof. Claire Lagrana, the idea came from Mr. Richard Macapulay, TSU alumnus and 2016 Licensure Examination for Teachers toprnotcher (Top 1 - Secondary Level).



TSU ALUMNI PARK

Tarlac State University and the TSU Alumni Association Inc. (TSUAAI), through the TSU Alumni Affairs Office (AAO), led the groundbreaking ceremony of the upcoming TSU Alumni Park on September 20, 2022 at the Lucinda Campus.

The TSU Alumni Park is a concept of the TSU AAO led by Director Dr. Winston F. Abalos as early as 2019. This is in collaboration with the university for the landscaping design and the TSUAAI for the financing.

A month after its groundbreaking, the first phase of Tarlac State University's Alumni Park at the Lucinda Campus was officially opened to the TSU community on October 22, 2022, during the Alumni Day of the university's week-long founding and charter anniversary celebration.



ST. JOSEPH HOME FOR SPECIAL CHILDREN OUTREACH PROGRAM

In partnership with Tarlac State University Alumni Association Inc., Frich Revo Foundation has donated food, toys, clothing, wheelchairs, and other basic needs to the kids under the care of St Joseph Home for Special Children on March 1, 2022.



TSUAAI AND AAO ORGANIZE HYBRID 2022 ALUMNI DAY CELEBRATION

Tarlac State University Alumni Association, Inc. (TSUAAI) and Alumni Affairs Office (AAO) led the 2022 Alumni Homecoming with a series of activities last October 22, 2022 at the Lucinda Campus, capping off the weeklong celebration of TSU's 116th founding and 33rd charter anniversary.



TSUAAI AWARDS INCENTIVE TO 2022 TOPNOTCHERS

The Tarlac State University Alumni Association, Inc. recognized the 2022 toprnotchers with monetary incentive.

TSUAAI President Hon. Reynaldo Catacutan and Alumni Affairs Office Director Dr. Winston F. Abalos awarded the incentives.



ESTABLISHED ALUMNI CHAPTERS (as of December 2022)



INTERNATIONAL CHAPTERS

- Singapore Chapter
- United Arab Emirates Chapter
- United States of America Chapter
- Thailand Chapter

LOCAL CHAPTERS

- TSU Alumni Organization Local - ROTC Chapter
- TSU Alumni Organization Local - Laboratory School
- TSU Alumni Organization Local - Moncada Chapter
- TSU Alumni Organization Local - Alliance Fraternities and Sororities Chapter



C

ROADMAP C RESEARCH AND COMMUNITY SERVICE DEVELOPMENT

Aiming to become a research university, Tarlac State University puts a premium on boosting the research capabilities of the workforce through training and seminars. Out of these initiatives, a good number of research outputs have been produced, presented, and eventually published, with other projects utilized by the community.

The university also sustained its services to the community through long-term and short-term extension projects that are anchored on the UN Sustainable Development Goals.

Production, commercialization, and sharing of laboratories with stakeholders were endeavored by TSU under Roadmap C.



RESEARCH AGENDA

Food Safety and Security

Responsive Health System

Science, Technology and Innovation

**Business, Education and
Policy Formulation**

**Environmental Management and
Disaster Risk Reduction**

EXTENSION AGENDA

Quality Education and Human Capacity Development

Food Security, Good Health, and Nutrition

Promotion of Language, Arts, History, and Culture

Technology Promotion and Advancement

Economic Growth and Enterprise Development

Good Governance and Promotion of Human Rights,
Equality, Justice, and Peace

Environment Protection, Climate Change Adaptation,
and Disaster Risk Reduction



RESEARCH

ROADMAP C: RESEARCH AND COMMUNITY SERVICES DEVELOPMENT

PBB TARGETS AND ACCOMPLISHMENTS

PBB AND PREXC TARGETS

Aside from setting the University Research Agenda, the office also sets the PBB and PREXC targets and monitors accomplishments. The table below shows the 2022 PBB targets with the corresponding accomplishments.

FY 2022 PREXC PERFORMANCE INDICATORS	FY 2022 TARGET	2022 ACTUAL ACCOMPLISHMENT January to December	ACCOMPLISHMENT RATE
Performance indicator 1: Number of research outputs completed within the year	30	33	110%
Performance Indicator 2: Percentage of research outputs published in internationally- refereed or CHED recognized journal within the year	9% (8)	11.46% (11)	137.5%
Performance Indicator 3: Number of research outputs in the last three years utilized by the industry or by other industries	5	14	280%

SUC LEVELLING TARGETS

Together with the PBB targets, the office also monitors the accomplishment of the SUC levelling targets. This year, the SUC levelling indicators have not been finalized. However, these were already cascaded by the DOST Regional Director and eventually cascaded to TSU. The table below shows the other research indicators/targets (based on SUC levelling indicators) with the accomplishments for 2022.

FY 2022 RESEARCH INDICATORS	FY 2022 TARGET	2022 ACTUAL ACCOMPLISHMENT JANUARY TO DECEMBER	ACCOMPLISHMENT RATE
Number of research papers presented in international conference/fora	5	14	150%
Number of research papers presented in national conference/fora	15	17	106.6%
Number of research papers presented in regional conference/fora	5	4	80%
Number of citations in articles published by other researchers in refereed journal or book	40	26	65%

RESEARCH TARGETS PER COLLEGE

To contribute to the attainment of the university's PBB and SUC levelling targets, the office also sets targets for the colleges depending on the number of their faculty members and their academic ranks. The table below shows the targets per college and another table for the accomplishments in 2022.

College	Number of Approved Research Proposals	Number of Finished Research Paper	Number of Faculty Researchers	Number of Publications	Number of Presentations	Number of Invention Patented Commercialized	Number of Utilized Research Outputs by Industry o Community	Number of Externally Funded Research Project or Study	Number of Research Proposals
CAFA	3	1	1	1	1	0	1	1	3
CASS	8	3	1	3	2	0	1	1	5
CBA	8	5	1	3	4	0	1	1	5
CCJE	4	1	1	1	1	0	1	1	3
CCS	8	5	1	3	4	1	1	1	5
CET	8	5	1	3	4	1	1	1	5
COS	8	5	1	3	4	1	1	1	5
CPAG	2	2	1	2	2	0	1	1	3
CTE	5	3	1	3	2	0	1	1	5
FTRC	4	5	0	3	3	7	0	1	1

2022 RESEARCH TARGETS DISTRIBUTED PER COLLEGE

COLLEGE	PROPOSAL STAGE		APPROVED STAGE		FINISHED RESEARCH		PRESENTED		PUBLISHED		UTILIZED		EXTERNALLY FUNDED		CITATIONS
	TARGET	ATTAINED	TARGET	ATTAINED	TARGET	ATTAINED	TARGET	ATTAINED	TARGET	ATTAINED	TARGET	ATTAINED	TARGET	ATTAINED	
CAFA	3	2	3	3	1	0	1	0	1	0	1	0	1	0	0
CASS	5	31	8	21	3	9	2	7	3	1	1	0	1	0	0
CBA	5	25	8	13	5	2	4	4	3	3	1	0	1	0	4
CCJE	5	22	4	18	1	2	1	2	1	0	1	0	1	0	0
CCS	5	21	8	14	5	5	4	5	3	2	1	1	1	3	16
CET	5	28	8	18	5	1	4	1	3	0	1	1	1	1	0
COS	5	19	8	23	5	9	4	10	3	3	1	11	1	1	2
CPAG	3	8	2	4	2	3	2	4	2	1	1	0	1	0	0
CTEd	3	9	5	2	3	2	2	2	3	1	1	1	1	0	4

TSU RESEARCH BOOTCAMP 2022

Fifty-four faculty members from different colleges of Tarlac State University joined the first TSU Research Bootcamp 2022 organized by the University Research Office last May 5, 6, 12, and 13 at the Alumni Center, Lucinda Campus. Research proposals, as outputs of this activity, were presented and evaluated by the University Research Evaluation Committee on June 1, 2022. Themed "Sama-sama tungo sa isang Maginhawa at Matatag na Komunidad," the activity aims to provide intensive training for faculty members to encourage them to engage in multidisciplinary research aligned to the least prioritized research agenda of the university. The invited external resource speakers consist of Dr. Nilo Bugtai from De La Salle University, Dr. Noralene Uy from Ateneo de Manila University, Dr. Marie Paz Morales from Philippine Normal University, and Dr. Dennis Cantre from University of the Philippines-Los Baños. The table on the next page shows the list of presented research proposals:



LIST OF RESEARCH PROPOSALS PRESENTED DURING THE TSU RESEARCH BOOTCAMP 2022

No.	Research Title	Author/s
1	New Method for Preliminary Phase of Reforestation	Allan Ocampo, John Daniel I. Umali, Joshue B. Manaloto
2	The Level of Awareness, Extent, and Effects of Typhoon - Caused Flood in Camiling, Tarlac	Dr. Roel R. Alviar, Jessie Tadeo, Mark Genesis Mallari
3	Impact of the Work from Home Setup to the Psychological Well - being of Teaching Personnel: An Analysis of Sentiment	Rengel V. Corpuz, Chris Mark V. Catalan, Liana Faith Q. De Leon
4	A Mental Health Web - Based Information System with Appointment and Virtual Consultation Using Modified Blowfish Encryption Algorithm	Joselito T. Tan, Julia Yvette P. Miranda, Ma. Lourdes Josefina M. Reyes
5	Disaster Related Services on Livelihood of Ramos, Tarlac	Henry D. Rufino, Izelle C. Francisco, Xylyn Joy P. Abrajano
6	Project WATCH: Women's and Their Children's Health (WATCH) System	Regina P. Arceo, Jovito Z. Taruc, Alfred Rigor
7	Impact of classroom Ventilation Systems Equipped with Air Purifiers in the Dispersion of Air - borne Diseases: A Computational Fluid Dynamics Analysis	Marc Florenz P. Arinaldo, Jaylord Bernabe, Emmanuel Dominic Raymond M. Bugayong
8	Effects of Cyberbullying on the Mental Health of Graduating Students of TSU Graduating under the Flexible Learning Modality	Maria Teresa L. Agustin, Davil V. Lip, Angelica T. Pangilinan
9	Risk Management of TSU Campus	Dr. Jhonel Panlilio, Joe Davidson B. De Guzman, Gian Carlo B. Tonelada
10	Responsive Health System Module for HEIs	Maria Tiara Fatima F. Galang, Prof. Evangeline D. Guiang, Sheila Jane L. Gonzales
11	Solid Wastes Management in Tarlac City	Dr. Aloysius T. Madriaga, Maria Victoria A. Rodriguez, Jasmin Louis Quilala
12	Disaster Awareness and Level of Compliance to Disaster Programs of the Selected Municipalities in Tarlac Province	Dr. Elizabeth Amurao, Lian Carla Luzong, Bonjoebee Bello
13	Creating COVID safe Face to face Teaching: Preparedness of Elementary School on-campus Teaching	Melody P. Sapad, Ramil M. Las-Igan, Julia Nicole P. Balanquit
14	Investigating Barriers and Awareness of Disaster Preparedness of Generation Z Students	Sharmaine Guiang, Jelly Ann Mercado, Miyelle Anne Barce
15	Evaluation of Solid Waste Segregation and the Development of Sustainable Solutions for the Control of Plastic and Microplastic Pollution in Tarlac	Jenny M. Estrada, Marie Fe Buscayno, Joshua Cawigan
16	Impact of Food Wastes on the Environment Through the Assessment Management among Food Establishments in Tarlac City	Roswald Fermin, Kristine Mae P. Ipan, Ferdinand Silaran
17	Economic, Environmental, and Social Aspects of Ecotourism in San Jose, Tarlac	Patricia Estrada, Hazel Maborang, Emmanuel Lacadin
18	Impact Assessment of the Solar-Powered Irrigation Pump for the Farmers' Cooperative in Region III	Wesley S. Gagarin, Jerich Ralph Lobo, Vien Jamaica Samson



UNIVERSITY-WIDE RESEARCH PROPOSAL COLLOQUIUM

The University Research Office organized another university-wide research proposal colloquium last October 18-20, 2022, instead of a college-based colloquium per the newly approved policy, bearing the theme "Towards the Mission: Strengthening TSU's Stature as a Research Institution through Innovative and Collaborative Researches." This year's university-wide colloquium at the Academic Building of the Lucinda Campus entertained 81 research proposals presented by the faculty members from different colleges and offices.

Dr. Elma Laguna from the University of the Philippines Population Institute was invited to evaluate the research proposals under the Social Science category, while Dr. Myra Tansengco from the DOST- Industrial Technology Development Institute assessed Science and Technology category proposals.

Also present in the activity are the members of the University Research Evaluation Committee (UREC), headed by Dr. Murphy P. Mohammed, together with Dr. Robert Marcos, Dr. Rita Pulmano, Dr. Marie Paz Angeles, and Dr. Wilmark Ramos, who showed their full support in improving the presented research proposals.

This endeavor of the URO truly strengthens the university's stature as a research institution.

LIST OF ENTRIES FOR THE 2022 UNIVERSITY-WIDE RESEARCH PROPOSAL COLLOQUIUM

No	Research Title	Author/s	College
1	Food Safety Practices and Behaviours of Public Markets in Tarlac	Mary Joy R. Facun Maria Mei Fatima S. Terania Jazmin Joy E. Dizon	CASS
2	The Socio-Economic Sustainability of Agritourism in Tarlac Province	Maryliz L. Sison Bernie Pioquinto	COS
3	Venture Capital Opportunities for Persons with Disabilities in the Philippines: A Demand Analysis	Katrina Bianca V. Sicat	CBA
4	Adherence on Medical Regimen among Pulmonary Tuberculosis Patient in Selected Rural Health Unit (RHU) in Tarlac City: A Basis for Educational Intervention	Jomer V. Manalang Merlie Q. Espiritu Emmanuel Dominic Raymond M. Bugayong Lucila Sunga	COS
5	A Qualitative Case Study of Mathematics Teachers' Technology, Pedagogy and Content Knowledge TPACK	Robert V. Marcos	CET
6	An Ethnolinguistic Exploration of the word "Mukha" from Metaphorical Metonymic, and Cultural Perspective	Rolien Mark M. Balisi	CASS
7	The Acculturation of Filipino Migrant Wives in South Korea	Maria Sheila G. Medina Min Joo Lee	CASS
8	K-Landing: Exploring Gender Stereotypes Reflected in Filipino and Korean TV Dramas	Maria Elena D. David Robert V. Marcos Louella P. Capitulo	CASS/ CET
9	Understanding Tourists' Motivation in Visiting Ecotourism Sites in Tarlac Province and Its Relationship with Satisfaction and Loyalty	Mary Diane M. Tejano John Edward S. Estayo	CBA
10	Awareness on Safe Spaces Act Among Citizens in Tarlac Province	Patricia Estrada Izelle C. Francisco	CPAG
11	Micro, Small and Medium-Sized Enterprises (MSME's) Assessment on the Use of E-BIR Forms	Henry D. Rufino Olivette P. Flores Erica E. Jimenez	CBA
12	SWOT Analysis of Tarlac State University's Sustainable Development Practices: Basis for an Internationalization Sustainable Development Framework	Myrel M. Santiago Rolien Mark M. Balisi Ninez B. Tulo	CASS/ CTed
13	Gender Roles and Work Performance among Tarlac State University Employees: Basis for Gender Fair Intervention Program	Rita E. Pulmano Bryan Jan S. Dizon Marlon C. Dela Cruz	COS/ CASS/ HRDMO
14	Demystifying Administrative Practice: A Critical Genre Analysis (CGA) of Administrative Orders from a State University in the Philippines	Jose Russell Arador	CASS
15	Writer (In)Visibility in Student Research Articles Through the Frequency and Functional Use of First-Person Pronouns	Jose Russell Arador	CASS
16	Exploring Variables Influencing Filipino Students' Achievement in International Large-Scale Assessments using Artificial Intelligence and Data Mining Algorithms	Nelvin R. Nool Maria Agnes P. Ladia Elizabeth P. Balanquit	CTEd
17	Impact Assessment of NC II SMAW Training of Indigenous People of Sitio Paquillao Tarlac City	Erwin L. Sibal Michael Tomas Arnel Punla	CET
18	The Effect of a Publishing Literacy Activity on the Creativity of Early Childhood Education Freshmen Students: An Experimental Study	Jiyoung Lee Joanne Marie I. Escalona	CTEd/ CASS
19	Creative Approaches in Group Counseling of Children-in conflict with the LAW CICL: A Systemic Literature Review	Laarni T. Capinding Alberto L. Dimarucut Daniel T. Dizon	CASS
20	Carbon Footprints Calculation Among Indigenous and Non Indigenous Households in San Jose, Tarlac	Alma M. Corpuz Nancy L. Mati	COS
21	Toponymic and Folkloristic Analysis of Barangay Names in Tarlac City	Rolien Mark M. Balisi Myrel M. Santiago	CASS
22	Teknoturo: Pagdungaw sa Makabagong Pagtanggap ng Pagtuturo at Pagkatuto ng BSED Filipino	Jeanette Mendoza Baquing Shindy Abigael P. Morales	CTEd
23	Pagbuo at Balidasyon ng Modyul sa Komunikasyon at pananaliksik sa wika at kulturang pilipino	Shindy Abigael P. Morales	CTEd
24	The Relationship between Professional Recognition and Communicative Competence among Korean Kindergarten English Teachers	Ji Young Lee Ninez B. Tulo	CTEd/ CASS
25	Disaster Preparedness Among Households in The Municipality of Pura Tarlac: An Analysis	Edwin T. Caoleng Roswald G. Fermin Jerich Ralph S. Lobo	CPAG
26	Assessing the Internationalization Needs of HEIs in Region III	Ninez B. Tulo Bryan Jan S. Dizon Jhayvi C. Dizon	CASS/ CTed
27	Predictors of Job Satisfaction among TSU Employees	Ma. Katrina M. Rivera Marlon C. Dela Cruz Renalyn C. Lucero Jon-Ville M. Caliboso Ladellyn T. Francisco	HRDMO

No	Research Title	Author/s	College
28	Research Engagement of Faculty Amidst Multivariable Academic Functions	Norbina Genever M. Alma M. Corpuz	CTEd/ COS
29	An Assessment of the Effectiveness of the Current System Procedure of TSU -Facilities Development and Management Office Planning Unit	Arlen M. Guieb King Jhon Paul R. Talon Cherry L. Fabianes	CAFA
30	Kagamitan sa Batayang Kurikulum sa Pagtuturo ng Filipino Tugon sa Makabagong Modality	Arlyn C. Cura Jessica Marie I. Dela Peña Juvy V. Galamay	CTEd
31	The Armchairs at the Margins: Science Teaching and Learning at the Borders	Ronnie A. Dungo Cynthia G. Quiambao Maricor Cheska B. Santos	CTEd
32	Sinag-Sipat: Lundayan ng mga Teknik, Estratehiya't Dulong sa Global na Pagtuturo ng MAED Filipino	Jessica Marie I. Dela Peña Arlyn C. Cura Andrea Adigue	CTEd
33	Pagsasalin sa Wikang Kapampangan ng mga Tinipong Etnolinggwistikong Akda ng mga Aeta Hungey	Jessica Marie I. Dela Peña	CTEd
34	Tarlac SGLG Awardees' Absorptive Capacity in the Implementation of the Full Devolution: Evolution	Patricia Estrada Izelle C. Francisco Vien Jamaica D. Samson	CPAG
35	Tracking Indigenous Students in STEM Programs of TSU	Ronnie A. Dungo Cynthia G. Quiambao Maricor Cheska B. Santos Maricar N. Banting	CTEd/ CTE
36	Impact of Business Plan Implementation on Business Performance of BS Entrepreneurship graduates	Limuel P. Pavico Arlene R. Gabriel	CBA
37	Food Safety Practices of BS Entrepreneurship Business Practicum at Home Engaged in Online Food Businesses During COVID-19 Pandemic	Limuel P. Pavico Elvira Mercado Arlene R. Gabriel	CBA
38	Online Teaching Stress, Satisfaction and Professional Well-being: Faculty Experiences in a State University	Derick S. Figueroa Maria Sheila G. Medina Val Lawrence V. Flores	CBA/ CASS
39	Reprogram: Why do Accounting Students Shift to Other Program	Henry D. Rufino Derick S. Figueroa	CBA
40	Marketing Competency Development of Women Entrepreneurs in the Tarlac Province	Reissa Joselle D. Gopez Ronalyn Ann Marie Diaz Dante Fernandez	CBA
41	Gender Analysis on Lived Experiences, Rights, and Protection towards Gender Responsive Governance in Tarlac State University	Bryan Jan S. Dizon Rita E. Pulmano Marlon C. Dela Cruz	CASS/ COS/ HRDMO
42	Extreme wind impacts on Collapsible Houses with different plan and roof configurations in Tarlac Province	Joe Davidson B. Guzman Charmaine Czeninia Reguindin	CET
43	Functionality of Barangay Womens' Desks in the City of Tarlac: An Evaluation	Joshua S. Cawigan Jaylord M. Bernabe Arturo Panzo	CPAG
44	UPSKILL: An Intensive Approach for Remedial Instructions in Programming Subjects	Karizza D. Felix Kim Shaira B. Casimiro Renzo Aldridge P. Quiballo	CCS
45	Development and Validation of a Specialized Tagalog Monolingual Dictionary on Typhoons and Violent Storms	Rolien Mark M. Balisi Ninez B. Tulo	CTEd
46	Social Awareness of the TSU Community in the Implementation of RA 9003	Jazmin Joy E. Dizon Franchete O. Caingat Marie Paz H. Angeles	CASS
47	Mindsets of Faculty in the Social Studies Classroom in Handling with Controversial Issues	Chona P. Conte Cristian Lingad	CTEd
48	Development and Validation of Campus Journalism Teaching Manual	Jhayvi C. Dizon	CTEd
49	Job demands, Job resources & work engagement among counselors in the post-pandemic world	Maria Sheila G. Medina	CASS
50	Development and Validation of Offline Interactive Mathematics E-Modules (OIME) using Lumi	Rekarlo S. Punzalan Ezra Gil S. Lagman	CTEd
51	Isang Case Study Tungkol sa Dinamiks ng mga Kapital ni Bourdieu sa Kuwento ng Tagumpay ng Isang Katutubong Aetang Si Dr. Rodel Valdez	Shindy Abigael P. Morales	CTEd
52	Technology Business Incubators' Role in Social Entrepreneurship Growth (SEG) and the Circular Economy: A Multiregional Assessment	Aldrex G. Laxamana	CBA
53	Perceptions and Motivations of the AB Communication Major Students About Creative Writing in Relation to their Gender Orientation	Nerissa Olarte	CASS

LIST OF ENTRIES FOR THE 2022 UNIVERSITY-WIDE RESEARCH PROPOSAL COLLOQUIUM

No	Research Title	Author/s	College
54	Exploring the Psychological Skills Training PST Profile of Collegiate Student Athletes: Basis for Crafting an Initial PST Program	Daniel T. Dizon Laarni T. Capinding Jazmin Joy E. Dizon	CASS
55	Assessment of Graduate School Theses through Automated Written Corrective Feedback	Ninez B. Tulo Rolien Mark M. Balisi	CTEd
56	Performance in the Workplace of the MAED English Graduates: School Heads' Evaluation	Ninez B. Tulo	CTEd
57	Impact Assessment Studies in Waste Minimization	Louis Adonis G. Silvestre Stephan Angelo Payad	CTEd
58	Design and Develop a Universal Tricycle Stabilizer Support Link among Tricycle Operator Drivers Association	Bryan Christopher C. Sico Alfredo P. Ibañez Jr. Federico M. Estrada Jr.	CET
59	Development of Hard Candy Lozenge from Muntingia calabura and its Potential Pharmacological Activities	Robert V. Marcos Roman Rafael B. Manucdoc	CET/ URO
60	Biostimulatory Activity of Saresa (Muntingia calabura) Fruits and Leaves Extract	Robert V. Marcos Roman Rafael B. Manucdoc	CET/ URO
61	Saresa (Muntingia calabura) Leaves as Oyster Mushroom (Pleurotus ostreatus) Fruiting Bag Additive	Robert V. Marcos Roman Rafael B. Manucdoc	CET/ URO
62	Development of Mobile Freezer for Selected Ambulant Vendors of Tarlac City	Maricar N. Banting Dick S. Tuazon Ann Jeanette S. Lopez Shaye Caroline Manlupig	CET
63	Development of a Solar Photovoltaic PV Tool for Designing an Optimal Solar PV System in Compliance with the Requirements and Standards of the Net-Metering Program	Maan B. Florendo Aldrin Joar R. Taturan Leo P. Piao Louise Faye Galang Ramos	CET
64	Application of Blockchain Technology in Academic Credentials Verification	Theda Flare G. Quilala Rogel L. Quilala	CCS
65	Blockchain-based E-voting System of Barangay SanNicolas, Tarlac City	Renzo Aldridge Quiballo Karriza Felix Kim Shaira Casimiro	CCS
66	Design and Develop a Motor Assisted Carabao Cart Among Farmers of Victoria	Bryan Christopher C. Sico Arnel A. Punla Alfredo P. Ibanez Jr.	CET
67	Phase 1: Assessment and Authentication of Invasive Alien Tree Species Found in Selected Forest Areas of San Jose, Tarlac Phase 2: Phytochemical Screening and Antimicrobial Activity of Invasive Alien Tree Species Found in Selected Forest Areas of San Jose, Tarlac	Geraldine R. Gamoso Wesley S. Gagarin Roman Rafael B. Manucdoc Remar A. Salvador	COS/ URO
68	Effects of Weed-Based Plant Growth Regulator on The Seed Germination of Some High Value Crops	Geraldine R. Gamoso Xyris Gerard A. Fernandez Wesley S. Gagarin Remar A. Salvador	COS/ URO
69	Development and Acceptability of LabVIEW Interface for Arduino (LIFA) based Platform for Feedback and Control System Course	Robert V. Marcos Rommel Gadia	CET/ URO
70	Digital Automation Examination Scheduling and Monitoring System for College of Computer Studies	Nomar R. Lapitan Rengel V. Corpuz Xylyn Joy P. Abrajano	CCS
71	Development of Ketchup from Saresa (Muntingia calabura)	Robert V. Marcos Roman Rafael B. Manucdoc	CET/ URO
72	Development of Saresa (Muntingia calabura) Flavoured Yogurt	Robert V. Marcos Roman Rafael B. Manucdoc	CET/ URO
73	Isolation and Characterization of Cellulose Nanofiber from Saresa (Muntingia Calabura) and its Potential Application on Water Purification	Robert V. Marcos Roman Rafael B. Manucdoc	CET/ URO
74	Comparative Review of Testing Techniques in Software Development	Joselito T. Tan Heidilyn V. Gamido Valarie D. Simbol	CCS
75	A Local Government Unit's Datafication: A Framework	Marlon V. Gamido	CCS
76	Fabrication of Coconut Virgin Oil Based Topical Lotion Using Essential Oils	Raul D. Canlas	CET
77	Validation of Filipino Adversity Quotient Scale (FAQS)	Editha Q. Villavicencio Jersey Pangilinan Angela Pangilinan	CASS
78	Efficiency During Pandemic Times: A Proposal of Structural Design Implementation for Warehouse Projects	Charmaine Czeninia O. Reguindin Joe Davidson Guzman	CET
79	Service Delivery System and COVID- 19: The Case of Indigenous Peoples of Capas	Maria Tiara Fatima F. Galang Alfred Rigor	CPAG
80	SWOT Analyses among Sports and Wellness Programs/ Projects/ Activities of the Local Government of Tarlac	Jasper Jay N. Mendoza, Erwin P. Lacanlale, Jhayvi C. Dizon	CTEd
81	Implementation of Revise Rules on Administrative Cases in State Colleges and Universities in Region III	Ernesto Lopez Jr.	CASS



SPECIAL UNIVERSITY-WIDE RESEARCH PROPOSAL COLLOQUIUM

In the continuous efforts of the University Research Office to have a future-proof research environment and to accommodate the faculty researchers who have not presented their research proposals in the previous colloquium, the office organized a special research proposal colloquium on December 7, 2022, at the Alumni Center of the TSU Lucinda Campus. A total of 26 research proposals were presented by the faculty researchers from the various colleges and non-teaching staff from the different offices.

The evaluators of the colloquium are Dr. Robert V. Marcos, URO Director; Dr. Lea B. Milan and Prof. Emir Lenard Sicangco from the Extension Services Management Office (ESMO); Dr. Wilmark J. Ramos, Technology Development, Transfer, and Commercialization Office (TDTCO) Director; Dr. Rita E. Pulmano, Gender and Development Director; and Dr. Alvincent E. Danganan representing the Council of Deans.

It is with great aspiration that these research proposals will be completed, not only to attain the university targets but most importantly to make TSU relevant to the community.

The table below shows the list of research proposals presented during the special research proposal colloquium:

LIST OF ENTRIES FOR THE 2022 UNIVERSITY-WIDE RESEARCH PROPOSAL COLLOQUIUM

No	Research Title	Author/s	College
1	Determinants of Intention to Leave among Job Order and Contract of Service Workers of Tarlac State University	Maria Sheila Medina, Niccolo Aaron Alcantara and Maryliz Sison	CASS/ URO/ COS
2	The Impact of CRM in the Banking Industry in Tarlac City	Winston Abalos and Dennis Santos	CBA
3	Development of an Energy Management System for Residential Consumers	Miriam Galvez, Enalyn Domingo and Maan Florendo	CET
4	Development and Acceptability of Instructional e- Module in Teaching English in Elementary Grades	Lyndon Macanas	CTEd
5	Performance Evaluation of a 2.72kWp Rooftop Grid- tied Solar Photovoltaic System in Tarlac City, Tarlac	Leo Piao	CET
6	The Art of Manual Drafting: Perspective of Tarlac State University Architecture Students on the Relevance and Advantages of Manual Drafting Proficiency	Leonardo Hirang, Cesar Bartolo, Alexis Lowe	CAFA
7	Identification of Key Employability Competencies and Evaluation of TSU Student Interns' Performance	Niña Garcia, Adina Adriel Acuin, Crisly Hannah Gueco	SAS- CJEPS
8	SWOT Analysis of the Criminology Program of Tarlac State University as to the Employability of Graduates: Basis for Program Enhancement	Roel Alviar	CCJE
9	The Status of Solid Waste Management Program of Tarlac City: Basis for Program Enhancement	Jelly Ann Mercado, Girlie Bautista and Roel Alviar	CCJE
10	Mapping and Estimating Carbon Stock of Trees in the Tarlac State University Lucinda Campus Mini Forest using Allometry and GIS	Emmanuel Lacadin	COS
11	Investigating the Potential of Calamansi (citrofortunella macrocarpa) Fruit wastes as Starch- based Bioplastic Precursor	Jaidriel Meg Cabanding and Roman Rafael Manucdoc	COS/ URO
12	An Evaluation of Students' Academic Performance in PLF- Program Logic Formulation Course in Blended Learning Approach using Data Mining	Ronalyn Domingo and Wilbert John Canlapan	CTEd
13	The Effect of Information Technology in MSME's of Tarlac City	Winston Abalos and Dennis Santos	CBA
14	The Mechanics of the Isobaric Expansion of Heated Air	Charmaine Czeninia Reguindin and Joe Davidson Guzman	CET
15	Disaster Preparedness of Selected Barangays in Tarlac City	Marie Fe Buscayno, Jairus Soriano and Francis Bicoy	CCJE

No	Research Title	Author/s	College
16	Factors associated with Licensure Examination Performance of TSU- BS Architecture Graduates	Gary Advento, Cesar Bartolo, Arlen Guieb	CAFA
17	Culture- based Instructional Design for Readings in Philippine History: The Tarlac Portrait	Deyo Dela Cruz	CTEd
18	Alleviating Bias in Evaluating Construction Works by Quantifying Workmanship to Reduce Disputes and Conflicts	Gabriel Angelo Bucad	CAFA
19	Transformer Load Growth Forest: A Key to Uprating Existing Power Substation	Miriam Galvez and Maan Florendo	CET
20	Development of a Laboratory Manual for the Course Data Communication using CPT	Alejandro Caranto	CET
21	Job Satisfaction among LGU Employees in the Second Congressional District of Tarlac	Winston Abalos	CBA
22	Designing a Theoretical Framework for Causes of Lazy Symptoms: A Qualitative Study on Older Adolescent to Young	Maryliz Sison and John Patrick Serrano	COS
23	LGBT Management in Tarlac State University	Sheila Jane Gonzales, Criselda Madriaga, Christine Janelle Santiago, Aloysius Madriaga and Jovy Tomas	CBA
24	On Ethnomathematics: Cases of Mathematics Learning Abilities of Indigenous Pupils	Robert V. Marcos	CET
25	Precursors of Consumers Attitude towards Vlogger Recommendations and Its Impact on Purchase Intention	Wilmark Ramos	CBA
26	Baseline Assessment of Air Quality: Implication to Work Environment Monitoring at Tarlac State University	Xyris Gerard Fernandez and Alma Corpuz	COS/ URO



LIST OF RESEARCH PUBLICATION INCENTIVES AWARDED TO FACULTY MEMBERS

No.	Title	Author/s	Journal	Indexing
1	Integration of Environmental Education (EE) in Teacher Education Programs: Towards Sustainable Curriculum Greening	Julieta M. Lagasca, Teody San Andres, Alma M. Corpuz	Problems of Education in the 21st Century	Clarivate Analytics
2	Valuation of Mangrove Rehabilitation for Storm Surge Protection in Upper Calauag, Quezon, Philippines	Wesley S. Gagarin, Dr. Decibel F. Eslava, Dr. Rico C. Ancog, Dr. Cristino L. Tiburan Jr. and Dr. Noelynna T. Ramos	Forest And Society	Scopus
3	OCKMEx: An Effective Approach for Overlapping Clustering with K-Median Extension Algorithm	Alvincent E. Danganan Regina P. Arceo	Indonesian Journal of Electrical Engineering and Computer Science	Scopus
4	Relationship of Operating Segments (IFRS 8) and Profitability of Universal Banks in the Philippines	Henry D. Rufino	Journal of Algebraic Statistics	Clarivate Analytics
5	The Intrapreneurship Practices of TSU-BS Entrepreneurship Graduates in the Workplace	Limuel P. Pavico	Journal of Algebraic Statistics	Clarivate Analytics
6	Continuing Professional Development of the Teacher Education Faculty Among State Universities and Colleges in Region III	Ninez B. Tulo	International Journal of Learning, Teaching and Educational Research	Scopus
7	Language Education Research in the Philippines: A scoping of Literature	Brendalyn Manzano	The Journal of Asia TEFL	Scopus
8	Citizen's Satisfaction with Local Government Response in a Selected Municipality of Tarlac	Patricia Ann D. Estrada, Izelle C. Francisco	Mountain Journal of Science and Interdisciplinary Research	CHED Accredited
9	Document Integrity Verification Using QR Code with Modified SHA-1 and Modified Blowfish Algorithm	Theda Flare G. Quilala	Indonesian Journal of Electrical Engineering and Computer Science	Scopus
10	Work from home experience and work-life balance of accounting business process outsourcing employees	Derick S. Figueroa	Journal of Algebraic Statistics	Clarivate Analytics
11	Cell Sensitivity Assay and Cell Viability of Breast Cancer Cell (MCF7) Using MTT Assay of Ashitaba (Angelica Keiskei) Leaf Extract	Geraldine Gamoso, Justin Dumale	International Journal of Biosciences	Clarivate Analytics

LIST OF RESEARCH PUBLICATION FUNDING AWARDED FOR 2022

No.	Title	Author/s	Journal	Indexing
1	Integration of Environmental Education (EE) in Teacher Education Programs: Towards Sustainable Curriculum Greening	Julieta M. Lagasca, Teody San Andres, Alma M. Corpuz	Problems of Education in the 21st Century	Clarivate Analytics
2	OCKMEx: An Effective Approach for Overlapping Clustering with K-Median Extension Algorithm	Alvincent E. Danganan, Regina P. Arceo	Indonesian Journal of Electrical Engineering and Computer Science	Scopus
3	Valuation of Mangrove Rehabilitation for Storm Surge Protection in Upper Calauag, Quezon, Philippines	Wesley S. Gagarin, Dr. Decibel F. Eslava, Dr. Rico C. Ancog, Dr. Cristino L. Tiburan Jr. and Dr. Noelynna T. Ramos	Forest and Society	Scopus
4	Continuing Professional Development of the Teacher Education Faculty Among State Universities and Colleges in Region III	Ninez B. Tulo	International Journal of Learning, Teaching and Educational Research	Scopus
5	Document Integrity Verification Using QR Code with Modified SHA-1 and Modified Blowfish Algorithm	Theda Flare G. Quilala	Indonesian Journal of Electrical Engineering and Computer Science	Scopus
6	Cell Sensitivity Assay and Cell Viability of Breast Cancer Cell (MCF7) Using MTT Assay of Ashitaba (Angelica Keiskei) Leaf Extract	Geraldine Gamoso, Justin Dumale	International Journal of Biosciences	Clarivate Analytics

LIST OF RESEARCH PRESENTATION INCENTIVES AWARDED TO FACULTY MEMBERS

No.	Research Title	Author/s	Conference Title	Scope/ Category
1	Death of a Parent: Its Effect on Students' Psychological Well-being and Academic Resilience	Jasmine Dizon	9th HCU National and International Conference	National
2	Research Efficacy of Undergraduate Psychology Students	Jueremiah Paul Silvestre, Marie Paz H. Angeles	9th HCU National and International Conference	National
3	Capacity Assessment of Sangguniang Kabataan Officials on Youth Development Management in the Province of Tarlac CY 2021: Basis for a Proposed Capacity Development Intervention Program	Alfred V. Rigor, Mary Jane N. Rigor	9th HCU National and International Conference	National
4	Document Integrity Verification Using QR Code with Modified SHA-1 and Modified Blowfish Algorithm	Theda Flare Quilala, Rogel L. Quilala	9th HCU National and International Conference	National
5	Development of Electronic Document Management System for LAN-Based Organization	Marlon V. Gamido, Heidilyn V. Gamido, Daryl James P. Macaspac	9th HCU National and International Conference	National
6	Assessment of Higher Educational Institutions Safety, Security Plans, and Measures in Dealing with COVID-19 Pandemic in TARLAC Province	Roel R. Alviar, Girlie L. Bautista, Jelly Ann V. Mecado	9th HCU National and International Conference	National
7	Development and Validation of a Worktext in Modern Geometry	Nancy L. Mati	9th HCU National and International Conference	National
8	Relationship of Operating Segments (IFRS 8) and Profitability of Universal Banks in the Philippines	Henry D. Rufino	5th International Conference on Multi-disciplinary research studies and Education	International
9	Work from home experience and work-life balance of accounting business process outsourcing employees	Derick S. Figueroa	5th International conference on multi-disciplinary research studies and education	International
10	Towards Fostering Knowledge Co-Creation: A Case Study of Knowledge Management Implementation among Selected LGUs in the Province of Tarlac	Maria Tiara Fatima Galang, Vienn Jamiaca Samson	2022 EROPA Conference	International
11	The Relationship of Intrapreneurship Practices in the workplace and the company's competitive advantage	Limuel P. Pavico	5th International Conference on Multi-disciplinary research studies and Education	International
12	E-Learning System for the Web Development Course of College of Computer Studies	Mel Johnson Aquino	6th BASC Regional Research Conference	Regional
13	Analyzing Students' Solutions in Groups and Isomorphisms	Maryliz Sison	6th BASC Regional Research Conference	Regional
14	A Root-Cause Analysis on the challenges of novice faculty members in the Tarlac State University	Maryliz L. Sison	6th BASC Regional Research Conference	Regional
15	Development, Fabrication, and Performance Evaluation of an Integrated Solar Power Generator and Water/Irrigation Pump (PHASE II: Pilot Testing)	Rodel Botio	National Conference on Agricultural Science and Technology	National
16	Information and Communications Technology (ICT) Resources Mobilization of State Universities and Colleges in Region III: Towards and Enhanced Management	Marlon V. Gamido	2022 APQN Annual Conference (AAC)	International
17	Tricycle Fare Price in Municipality of Concepcion: A Commuters' Perspective	Edwin Caoleng Roswald G. Ferrmin	2022 Philippine Society of Public Administration International Conference	International
18	Driver's Outcomes of Young voter's Political Expression and Internal Efficacy through the lens Of Stimulus-Organism-Response (SOR) Model	Wilmark J. Ramos Maria Tiara Fatma F. Galang	2022 Philippine Society of Public Administration International Conference	International
19	Assessment of the Competency of Barangay Officials in Municipality of Concepcion, Tarlac	Patricia Ann D. Estrada Izelle Francisco Jerich Ralph Lobo	2022 Philippine Society of Public Administration International Conference	International

LIST OF RESEARCH PRESENTATION FUNDING AWARDED FOR 2022

No.	Research Title	Author/s	Conference Title	Scope/ Category
1	Student Publications Management Practices and Challenges Among State Universities in Region III: Basis for A proposed Management Framework	Gladie Natherine G. Cabanizas	IAFOR International Conference on Education	International
2	Information and Communications Technology (ICT) Resources Mobilization of State Universities and Colleges in Region III: Towards and Enhanced Management	Marlon V. Gamido	2022 APQN Annual Conference (AAC)	International
3	Disaster Resilience of Communities in Tarlac: Basis of Advocacy Plan to Strengthen the Emergency Response Mechanism	Ramil M. Las-igan	TSU 2nd National Research Conference	National
4	Infrared Thermal Analysis Model for Detecting and Correcting Unbalanced Electrical Loads	Crispin I. Flora, Enalyn T. Domingo, and Ferdinand L. Marcos	TSU 2nd National Research Conference	National
5	Tertiary Students' Assessment Of Competencies And Their Correlates: Implications To Curriculum Enhancement	Alma M. Corpuz, and Wesley Gagarin	TSU 2nd National Research Conference	National
6	Pag-Unlad at Pagbabagong Propesyunal Ng Mga Nagsisipagtapos Sa Maed Filipino: Isang Pangangalap	Jessica Marie I. Dela Pena	TSU 2nd National Research Conference	National
7	Wikatura: Elektronikong Modyul Sa Ugnayang Ng Wika, Kultura at Lipunan Para Sa Kolehiyo	Arlyn Conte Cura, Jessica Dela Pena, and Juvy Galamay	TSU 2nd National Research Conference	National
8	Perceived Stress and Life Satisfaction Among University Students	Maria Sheila Garcia Medina	TSU 2nd National Research Conference	National
9	Design of Food Safety System for Crispy Fried Pork Processing based on HACCP Processing	Abegail Feliciano, Lea Milan, Aljon Lusong, & Bill Henry Ramiterre	TSU 2nd National Research Conference	National
10	Cell Senitivity Assay and Cell Viability of Breast Cancer Cell (MCF7) Using MTT Assay of Ashitaba (Angelica keiskei) Leaf Extract	Geraldine Gamoso and Justin Dumale	TSU 2nd National Research Conference	National
11	Implementation of SHA 256 and Encrypted QR Code in Routing Electronic Document	Gilbert Gonzales	TSU 2nd National Research Conference	National

No.	Research Title	Author/s	Conference Title	Scope/ Category
12	Development of an Improved Alcohol (Ethanol) - Based Hand Sanitizer (ABHS) Formulation through the Incorporation of Ylang-Ylang Essential Oil (Phase 1)	Jaidriel Meg Cabanding, Lucilla Sunga, Claire Lagrana, Regie Jimenez, Xyris Gerard Fernandez, and Geraldine Gamoso	TSU 2nd National Research Conference	National
13	Antecedents and Consequence of Satisfaction towards Online Food Delivery (OFD) Applications: A Modified UTAUT Model Perspective	Wilmark J. Ramos, and Chris Mark Catalan	TSU 2nd National Research Conference	National
14	Consumers' Intent to Purchase Alcohol-based Hand Sanitizer with Ylang-Ylang Oil	Maria Sheila G. Medina, Robert V. Marcos	TSU 2nd National Research Conference	National
15	The Abellens of Moriones, Tarlac: A Preliminary Historical and Socio-Cultural Account	Maria Elena D. David, Robert V. Marcos	TSU 2nd National Research Conference	National
16	Evaluation of the Implementation of the Information Education Campaign (IEC) on the On-going Rehabilitation and Clean-up of the Manila Bay in the Province of Tarlac	Maria Elena D. David, Robert V. Marcos	TSU 2nd National Research Conference	National
17	Identification of the Potential Impacts of the Alcohol-based Hand Sanitizer Project of Tarlac State University	Wesley S. Gagarin, Robert V. Marcos, Remar A. Salvador	TSU 2nd National Research Conference	National
18	Freshmen's Students' Knowledge about Climate Change and its Effects	Alma M. Corpuz	TSU 2nd National Research Conference	National

LIST OF CITATION INCENTIVES AWARDED FOR 2022

No.	Research Title	Author/s	Title of Citing Article	Journal Title/ Name
1	Comparative Review of the Features of Automated Software Testing Tools	Heidilyn V. Gamido & Marlon V. Gamido	A Survey on Software Test Automation Return on Investment, in Organizations Predominantly from Bengaluru, India	International Journal of Engineering Business Management
2	Comparative Review of the Features of Automated Software Testing Tools	Heidilyn V. Gamido & Marlon V. Gamido	Toward a Multi-Criteria Framework for Selecting Software Testing Tools	IEEE Access
3	Modified AES Cipher Round and Key Schedule	Edjie M. De Los Reyes	Square Transposition: An Approach to the Transposition Process in Block Cipher	Bulletin of Electrical Engineering and Informatics
4	Modified AES Cipher Round and Key Schedule	Edjie M. De Los Reyes	A Secure Environment using a New Lightweight AES Encryption Algorithm for E-Commerce Websites	Security and Communication Networks
5	File Encryption Based on Reduced-round AES with Revised Round Keys and Key Schedule	Edjie M. De Los Reyes	A Secure Environment using a New Lightweight AES Encryption Algorithm for E-Commerce Websites	Security and Communication Networks
6	Exploring the Validity of TSU College Admission Test in Predicting Graduates LET Performance	Nelvin Nool, Maria Agnes P. Ladia, Nifio B. Corpuz & Socrates A. Embesan	Pre-licensure examination as predictor of licensure examination for teachers result	International Journal of Evaluation and Research in Education (IJERE)
7	Trend of Performance in the Licensure Examination of Teacher Education Institutions in Central Luzon	Nelvin Nool & Maria Agnes P. Ladia	Pre-licensure examination as predictor of licensure examination for teachers result	International Journal OF Evaluation and Research in Education (IJERE)
8	Competency Requirements for Professional Accountants: Basis for Accounting Curriculum Enhancement	Henry D. Rufino, Rhene G. Payabyab, Grace T. Lim	Accounting students' Demographics and Competencies: The mediating role of student engagement	Accounting Education
9	Assessing the number sense of grade 6 pupils	Nelvin R. Nool, Remedios Facun	An Investigation of 8th grade Turkish students' performance on number sense	Educational Studies
10	Assessing the number sense of grade 6 pupils	Nelvin R. Nool, Remedios Facun	Development of number sense test for eighth-grade students: a validity and reliability study	Cukurova University Faculty of Education Journal
11	eHMCoke: An Enhanced Overlapping Clustering Algorithm for Data Analysis	Alvincent E. Danganan, Edjie M. De Los Reyes	FOCT: Fast Overlapping Clustering for Textual Data	Institute of Electrical and Electronics Engineers (IEEE) Access
12	Modified AES for text and Image Encryption	Heidilyn V. Gamido	Real-time Encryption/Decryption Algorithm with A Fractional Chaotic System of Various Data: Image, speech, and text	International Journal of Applied and Computational Mathematics
13	Modified AES for text and Image Encryption	Heidilyn V. Gamido	A Lightweight AES Algorithm implementation for encrypting voice messages using field programmable gate arrays	Journal of King Saud University- Computer and Information Sciences

No.	Research Title	Author/s	Title of Citing Article	Journal Title/ Name
14	Modified Blowfish Algorithm in Securing Electronic Medical Records	Theda Flare G. Quilala	Overlapping clustering with k-median extension algorithm: An effective approach for overlapping clustering	Indoneian Journal of Electrical Engineering and Computer Science
15	Entrepreneurial Orientation among Tarlac State University BS Entrepreneurship Students and Graduates	Limuel P. Pavico	An Investigation on the impact of technological enablement on the Success of Entrepreneurial Adoption Among Higher Education Students: A comparative study	Journal of Information & Knowledge Management
16	Impact Evaluation of the Community Extension in Laungcupang, La Paz, Tarlac, Central Luzon, Philippines	Cynthia G. Quiambao, Alma M. Corpuz & Maria Agnes P. Ladia	Students' Competencies in Beauty-Nail Care and the Availability of Materials, Tools, and Equipment: Basis for Entrepreneurial Management Plan	Journal of Positive Psychology
17	Comparative review of the features of automated software testing tools	Heidilyn V. Gamido, Marlon V. Gamido	A novel framework to monitor and test the performance of mobile applications	International Journal on Communications Antenna and Propagation
18	Competency Requirements for Professional Accountants: Basis for Accounting Curriculum Enhancement	Henry D. Rufino	Modern Accounting Specialist in New Economic Reality: Cases of Lithuania and Latvia	Administrative Science MDPI
19	Competency Requirements for Professional Accountants: Basis for Accounting Curriculum Enhancement	Henry D. Rufino	Data analytics in Association to Advance Collegiate Schools of Business-accredited U.S. university accounting programs: A quantitative research study	Journal of Education for Business
20	Valuation of Mangrove Rehabilitation for Storm Surge Protection in Upper Calauag, Quezon, Philippines	Wesley S. Gagarin, Dr. Decibel F. Eslava, Dr. Rico C. Ancog, Dr. Cris-tino L. Tiburan Jr. and Dr. Noelynna T. Ramos	The economic value of a coastal protected area: an assessment of the Shell Beach Area in Guyana	Journal of Coastal Conservation
21	Modified Blowfish Algorithm Analysis Using Derivation Cases	Theda Flare G. Quilala	Underwater image copyright protection using robust watermarking technique	Indonesian Journal of Electrical Engineering and Computer Science
22	Modified Blowfish Algorithm	Theda Flare G. Quilala	Underwater image copyright protection using robust watermarking technique	Indonesian Journal of Electrical Engineering and Computer Science
23	Modified SHA-1 Algorithm	Rogel L. Quilala	A modified secure has design to circumvent collision and length extension attacks	Journal of Information and Security Applications
24	Modified AES for Text and Image Encryption	Heidilyn V. Gamido	Evaluating image encryption algorithms for the hyperchaotic system and Fibonacci q-matrix, secure internet of things, and advanced encryption standard	
25	Modified AES for Text and Image Encryption	Heidilyn V. Gamido	Design and Implementation of a Lightweight and Fast Tiny Advanced Encryption Standard Algorithm	Jordan Journal of Electrical Engineering
26	OCA: Overlapping Clustering Application Unsupervised Approach for Data Analysis	Alvincent E. Danganan	Food Recommendation System based on Nutritional needs of Human beings and user preferences	International Journal of Health Sciences

LIST OF INCENTIVES AWARDED TO FACULTY MEMBERS WHO WON AWARDS IN RESEARCH PRESENTATIONS

No.	Research Title	Author/s	Conference Title	Scope/ Category
1	E-Learning System for the Web Development Course of College of Computer Studies	Mel Johnson Aquino	6th BASC Regional Research Conference	Regional
2	Development, Fabrication, and Performance Evaluation of an Integrated Solar Power Generator and Water/Irrigation Pump (PHASE II: Pilot Testing)	Rodel Botio	National Conference on Agricultural Science and Technology	National



TSU continuously exerts efforts to establish collaborative ventures with research-oriented agencies and institutions. Through the URO, TSU co-organized the Huachiew Chalermprakiet University 9th International Conference, where nine completed papers from TSU were presented. The conference signifies a collaboration between TSU and the foreign university in the realization of one of the office's mandates. Part of the activity is a memorandum of agreement (MOA) signing with the partner university, led by the International Affairs and Linkages Office, to officially seal the collaboration.

COLLABORATIVE RESEARCH

Faculty researchers also go the extra mile to strengthen the collaboration of TSU with other institutions. The table below shows the list of collaborative researches in 2022:

LIST OF COLLABORATIVE RESEARCHES IN 2022

No.	Research Title	Author/s	Collaborating Institution
1	Language Education Research in the Philippines: A scoping of Literature	Brendalyn A. Manzano, Jessie S. Barrot	National University
2	Cell Senitivity Assay and Cell Viability of Breast Cancer Cell (MCF7) Using MTT Assay of Ashitaba (Angelica keiskei) Leaf Extract	Geraldine Gamoso, Justin Dumale	Central Luzon State University
3	What it takes to teach in a full online learning environment: Practises and challenges in higher education	Jessie S. Barrot, Joan Y. Agdeppa, Brendalyn A. Manzano	National University and University of Manatoba

EXTERNALLY-FUNDED RESEARCH

Aside from collaborative research endeavors with other research institutions, the university also promotes collaborative researches with external funding from private and public organizations. The table below shows the list of researches co-funded by other organizations, both from public and private sectors:

LIST OF RESEARCHES CO-FUNDED BY OTHER ORGANIZATIONS

Research Title	Proponent/s	Funding Agency
Pilot-Testing of a Multi-Adoptive Continuous Solar Power Charging System for Electric utility Vehicle (EUV)	Arnold Velasco, Rodel T. Botio, Armee N. Rosel, Jhonel P. Panlilio, Leo P. Piao, Rico Teodoro	Department of Science and Technology-3
Development, Fabrication and Performance Evaluation of an Integrated Solar Power Generator and Water/Irrigation Pump (Phase 3: Technology Demonstration and Commercialization)	Arnold Velasco, Rodel T. Botio, Edjie M. De Los Reyes, Jhonel P. Panlilio, Edgar Macaraeg, Erwin C. Mina	Department of Agriculture Region III

LIFTING OF THE MORATORIUM ON THE IRR ON RESEARCH UNDERTAKINGS OF FACULTY MEMBERS WITH ACADEMIC RANK OF ASSISTANT PROFESSOR AND UP

The moratorium on the implementing rules and regulations (IRR) on the research undertakings of faculty members with an academic rank of Assistant Professor and up, specifically on the provision that qualified faculty members with approved research may request for a maximum of six-unit equivalent teaching load (ETL) for research undertaking, has been lifted effective July 1, 2022. Below is the list of faculty members with approved teaching unit deloading:

LIST OF FACULTY MEMBERS WITH APPROVED TEACHING UNIT DELOADING

No.	Name of Faculty Member	College	Deloaded Teaching Unit
1	Alma Corpuz	COS	3
2	Henry Rufino	CBA	6
3	Dexter Manzano	CASS	6
4	Dexter Manzano	CASS	3 (for publication)
5	Brendalyn Manzano	CASS	6
6	Dennis Virtudazo	CCS	6
7	Leo Piao	CET	6
8	Evangelina Guiang	COS	6
9	John Edward Estayo	CBA	6
10	Abegail Feliciano	COS	3
11	Leah Matias	COS	3

No.	Name of Faculty Member	College	Deloaded Teaching Unit
12	Maryliz Sison	COS	3
13	Kristine Mae Ipan	COS	6
14	Mary Katherine Apolonio	COS	6
15	Edgar Macaraeg	COS	6
16	Erwin Mina	COS	6
17	Ferdinand Silaran	CBA	6
18	Princes Carol Feliciano	CBA	6
19	Criselda Alamo Tonelada	CBA	6
20	Jessica Marie Dela Peña	CTEd	6
21	Arlyn Cura	CTEd	6

LIST OF PUBLISHED RESEARCHES

No.	Research Title	Author/s	Journal Title	Indexing
1	Integration of Environmental Education (EE) in Teacher Education Programs: Towards Sustainable Curriculum Greening	Julieta M. Lagasca, Teody San Andres, Alma M. Corpuz	Problems of Education in the 21st Century	Clarivate Analytics
2	Valuation of Mangrove Rehabilitation for Storm Surge Protection in Upper Calauag, Quezon, Philippines	Wesley S. Gagarin, Dr. Decibel F. Eslava, Dr. Rico C. Ancog, Dr. Cristino L. Tiburan Jr. and Dr. Noelynna T. Ramos	Forest and Society	Scopus
3	OCKMEx: An Effective Approach for Overlapping Clustering with K-Median Extension Algorithm	Alvincent E. Danganan Regina P. Arceo	Indonesian Journal of Electrical Engineering and Computer Science	Scopus
4	Relationship of Operating Segments (IFRS 8) and Profitability of Universal Banks in the Philippines	Henry D. Rufino	Journal of Algebraic Statistics	Clarivate Analytics
5	The Intrapreneurship Practices of TSU-BS Entrepreneurship Graduates in the Workplace	Limuel P. Pavico	Journal of Algebraic Statistics	Clarivate Analytics
6	CONTINUING PROFESSIONAL DEVELOPMENT OF THE TEACHER EDUCATION FACULTY AMONG STATE UNIVERSITIES AND COLLEGES IN REGION III	Ninez B. Tulo	International Journal of Learning, Teaching and Educational Research	Scopus
7	Language Education Research in the Philippines: A scoping of Literature	Brendalyn Manzano	The Journal of Asia TEFL	Scopus
8	Citizen's Satisfaction with Local Government Response in a Selected Municipality of Tarlac	Patricia Ann D. Estrada, Izelle C. Francisco	Mountain Journal of Science and Interdisciplinary Research	CHED Accredited
9	Document Integrity Verification Using QR Code with Modified SHA-1 and Modified Blowfish Algorithm	Theda Flare G. Quilala	Indonesian Journal of Electrical Engineering and Computer Science	Scopus
10	Work from home experience and work-life balance of accounting business process outsourcing employees	Derick S. Figueroa	Journal of Algebraic Statistics	Clarivate Analytics
11	Cell Sensitivity Assay and Cell Viability of Breast Cancer Cell (MCF7) Using MTT Assay of Ashitaba (Angelica Keiskei) Leaf Extract	Geraldine Gamoso Justin Dumale	International Journal of Biosciences	Clarivate Analytics

LIST OF PRESENTED RESEARCHES

No.	Research Title	Author/s	Conference Title	Scope/ Category
1	Information and Communications Technology (ICT) Resources Mobilization of State Universities and Colleges in Region III: Towards and Enhanced Management	Marlon V. Gamido	2022 APQN Annual Conference (AAC)	International
2	Disaster Resilience of Communities in Tarlac: Basis of Advocacy Plan to Strengthen the Emergency Response Mechanism	Ramil M. Las-igan	TSU 2nd National Research Conference	National
3	Infrared Thermal Analysis Model for Detecting and Correcting Unbalanced Electrical Loads	Crispin I. Flora, Analyn T. Domingo, and Ferdinand L. Marcos	TSU 2nd National Research Conference	National
4	Tertiary Students' Assessment of Competencies and their Correlates: Implications to Curriculum Enhancement	Alma M. Corpuz, and Wesley Gagarin	TSU 2nd National Research Conference	National
5	Pag-Unlad at Pagbabagong Propesyunal Ng Mga Nagsipagtapos Sa Maed Filipino: Isang Pangangalap	Jessica Marie I. Dela Pena	TSU 2nd National Research Conference	National
6	Wikatura: Elektronikong Modyul Sa Ugnayang Ng Wika, Kultura At Lipunan Para Sa Kolehiyo	Arlyn Conte Cura, Jessica Dela Pena, and Juvy Galamay	TSU 2nd National Research Conference	National
7	Perceived Stress and Life Satisfaction Among University Students	Maria Sheila Garcia Medina	TSU 2nd National Research Conference	National
8	Design of Food Safety System for Crispy Fried Pork Processing based on HACCP Processing	Abegail Feliciano, Lea Milan, Aljon Lusong, & Bill Henry Ramiterre	TSU 2nd National Research Conference	National
9	Cell Sensitivity Assay and Cell Viability of Breast Cancer Cell (MCF7) Using MTT Assay of Ashitaba (Angelica keiskei) Leaf Extract	Geraldine Gamoso and Justin Dumale	TSU 2nd National Research Conference	National
10	Implementation of SHA 256 and Encrypted QR Code in Routing Electronic Document	Gilbert Gonzales	TSU 2nd National Research Conference	National
11	Development of an Improved Alcohol (Ethanol) - Based Hand Sanitizer (ABHS) Formulation through the Incorporation of Ylang-Ylang Essential Oil (Phase 1)	Jaidriel Meg Cabanding, Lucilla Sunga, Claire Lagrana, Regie Jimenez, Xyris Gerard Fernandez, and Geraldine Gamoso	TSU 2nd National Research Conference	National
12	Antecedents and Consequence of Satisfaction towards Online Food Delivery (OFD) Applications: A Modified UTAUT Model Perspective	Wilmark J. Ramos, and Chris Mark Catalan	TSU 2nd National Research Conference	National
13	Consumers' Intent to Purchase Alcohol-based Hand Sanitizer with Ylang-Ylang Oil	Maria Sheila G. Medina, Robert V. Marcos	TSU 2nd National Research Conference	National
14	The Abellens of Moriones, Tarlac: A Preliminary Historical and Socio-Cultural Account	Maria Elena D. David, Robert V. Marcos	TSU 2nd National Research Conference	National
15	Evaluation of the Implementation of the Information Education Campaign (IEC) on the On-going Rehabilitation and Clean-up of the Manila Bay in the Province of Tarlac	Maria Elena D. David, Robert V. Marcos	TSU 2nd National Research Conference	National
16	Identification of the Potential Impacts of the Alcohol-based Hand Sanitizer Project of Tarlac State University	Wesley S. Gagarin, Robert V. Marcos, Remar A. Salvador	TSU 2nd National Research Conference	National
17	Freshmen's Students' Knowledge about Climate Change and its Effects	Alma M. Corpuz	TSU 2nd National Research Conference	National
18	Death of a Parent: Its Effect on Students' Psychological Well-being and Academic Resilience	Jasmine Dizon	9th HCU National and International Conference	National
19	Research Efficacy of Undergraduate Psychology Students	Jueremiah Paul Silvestre, Marie Paz H. Angeles	9th HCU National and International Conference	National

No.	Research Title	Author/s	Conference Title	Scope/ Category
20	Capacity Assessment of Sangguniang Kabataan Officials on Youth Development Management in the Province of Tarlac 22CY 2021: Basis for a Proposed Capacity Development Intervention Program	Alfred V. Rigor, Mary Jane N. Rigor	9th HCU National and International Conference	National
21	Document Integrity Verification Using QR Code with Modified SHA-1 and Modified Blowfish Algorithm	Theda Flare Quilala, Rogel L. Quilala	9th HCU National and International Conference	National
22	Development of Electronic Document Management System for LAN-Based Organization	Marlon V. Gamido, Heidilyn V. Gamido, Daryl James P. Macaspac	9th HCU National and International Conference	National
23	Assessment of Higher Educational Institutions Safety, Security Plans, and Measures in Dealing with COVID-19 Pandemic in TARLAC Province	Roel R. Alviar, Girlie L. Bautista, Jelly Ann V. Mecado	9th HCU National and International Conference	National
24	Development and Validation of a Worktext in Modern Geometry	Nancy L. Mati	9th HCU National and International Conference	National
25	Relationship of Operating Segments (IFRS 8) and Profitability of Universal Banks in the Philippines	Henry D. Rufino	5th International Conference on Multi-disciplinary research studies and Education	International
26	Work from home experience and work-life balance of accounting business process outsourcing employees	Derick S. Figueroa	5th International conference on multi-disciplinary research studies and education	International
27	Towards Fostering Knowledge Co-Creation: A Case Study of Knowledge Management Implementation among Selected LGUs in the Province of Tarlac	Maria Tiara Fatima Galang, Vienn Jamiaca Samson	2022 EROPA Conference	International
28	The Relationship of Intrapreneurship Practices in the workplace and the company's competitive advantage	Limuel P. Pavico	5th International Conference on Multi-disciplinary research studies and Education	International
29	E-Learning System for the Web Development Course of College of Computer Studies	Mel Johnson Aquino	6th BASC Regional Research Conference	Regional
30	Analyzing Students' Solutions in Groups and Isomorphisms	Maryliz Sison	6th BASC Regional Research Conference	Regional
31	A Root-Cause Analysis on the challenges of novice faculty members in the Tarlac State University	Maryliz L. Sison	6th BASC Regional Research Conference	Regional
32	Development, Fabrication, and Performance Evaluation of an Integrated Solar Power Generator and Water/Irrigation Pump (PHASE II: Pilot Testing)	Rodel Botio	National Conference on Agricultural Science and Technology	National
33	Tricycle Fare Price in Municipality of Concepcion: A Commuters' Perspective	Edwin Caoleng Roswald G. Fermin	2022 Philippine Society of Public Administration International Conference	International
34	Driver's Outcomes of Young voter's Political Expression and Internal Efficacy through the lens Of Stimulus-Organism-Response (SOR) Model	Wilmark J. Ramos Maria Tiara Fatma F. Galang	2022 Philippine Society of Public Administration International Conference	International
35	Assessment of the Competency of Barangay Officials in Municipality of Concepcion, Tarlac	Patricia Ann D. Estrada Izelle Francisco Jerich Ralph Lobo	2022 Philippine Society of Public Administration International Conference	International

LIST OF CITED RESEARCHES

No.	Research Title	Author/s	Title of Citing Article	Journal Title/ Name
1	Comparative Review of the Features of Automated Software Testing Tools	Heidilyn V. Gamido & Marlon V. Gamido	A Survey on Software Test Automation Return on Investment, in Organizations Predominantly from Bengaluru, India	International Journal of Engineering Business Management
2	Comparative Review of the Features of Automated Software Testing Tools	Heidilyn V. Gamido & Marlon V. Gamido	Toward a Multi-Criteria Framework for Selecting Software Testing Tools	IEEE Access
3	Modified AES Cipher Round and Key Schedule	Edjie M. De Los Reyes	Square Transposition: An Approach to the Transposition Process in Block Cipher	Bulletin of Electrical Engineering and Informatics
4	Modified AES Cipher Round and Key Schedule	Edjie M. De Los Reyes	A Secure Environment using a New Lightweight AES Encryption Algorithm for E-Commerce Websites	Security and Communication Networks
5	File Encryption Based on Reduced-round AES with Revised Round Keys and Key Schedule	Edjie M. De Los Reyes	A Secure Environment using a New Lightweight AES Encryption Algorithm for E-Commerce Websites	Security and Communication Networks
6	Exploring the Validity of TSU College Admission Test in Predicting Graduates LET Performance	Nelvin Nool, Maria Agnes P. Ladia, Niño B. Corpuz & Socrates A. Embesan	Pre-licensure examination as predictor of licensure examination for teachers result	International Journal of Evaluation and Research in Education (IJERE)
7	Trend of Performance in the Licensure Examination of Teacher Education Institutions in Central Luzon	Nelvin Nool & Maria Agnes P. Ladia	Pre-licensure examination as predictor of licensure examination for teachers result	International Journal of Evaluation and Research in Education (IJERE)
8	Competency Requirements for Professional Accountants: Basis for Accounting Curriculum Enhancement	Henry D. Rufino, Rhene G. Payabyab, Grace T. Lim	Accounting students' Demographics and Competencies: The mediating role of student engagement	Accounting Education
9	Assessing the number sense of grade 6 pupils	Nelvin R. Nool, Remedios Facun	An Investigation of 8th grade Turkish students' performance on number sense	Educational Studies
10	Assessing the number sense of grade 6 pupils	Nelvin R. Nool, Remedios Facun	Development of number sense test for eighth-grade students: a validity and reliability study	Cukurova University Faculty of Education Journal
11	eHMCOKE: An Enhanced Overlapping Clustering Algorithm for Data Analysis	Alvincent E. Danganan, Edjie M. De Los Reyes	FOCT: Fast Overlapping Clustering for Textual Data	Institute of Electrical and Electronics Engineers (IEEE) Access
12	Modified AES for text and Image Encryption	Heidilyn V. Gamido	Real-time Encryption/Decryption Algorithm with A Fractional Chaotic System of Various Data: Image, speech, and text	International Journal of Applied and Computational Mathematics
13	Modified AES for text and Image Encryption	Heidilyn V. Gamido	A Lightweight AES Algorithm implementation for encrypting voice messages using field programmable gate arrays	Journal of King Saud University-Computer and Information Sciences
14	Modified Blowfish Algorithm in Securing Electronic Medical Records	Theda Flare G. Quilala	Overlapping clustering with k-median extension algorithm: An effective approach for overlapping clustering	Indoneian Journal of Electrical Engineering and Computer Science
15	Entrepreneurial Orientation among Tarlac State University BS Entrepreneurship Students and Graduates	Limuel P. Pavico	An Investigation on the impact of technological enablement on the Success of Entrepreneurial Adoption Among Higher Education Students: A comparative study	Journal of Information & Knowledge Management
16	Impact Evaluation of the Community Extension in Laungcupang, La Paz, Tarlac, Central Luzon, Philippines	Cynthia G. Quiambao, Alma M. Corpuz & Maria Agnes P. Ladia	Students' Competencies in Beauty-Nail Care and the Availability of Materials, Tools, and Equipment: Basis for Entrepreneurial Management Plan	Journal of Positive School Psychology
17	Comparative review of the features of automated software testing tools	Heidilyn V. Gamido, Marlon V. Gamido	A novel framework to monitor and test the performance of mobile applications	International Journal on Communications Antenna and Propagation
18	Competency Requirements for Professional Accountants: Basis for Accounting Curriculum Enhancement	Henry D. Rufino	Modern Accounting Specialist in New Economic Reality: Cases of Lithuania and Latvia	Administrative Science MDPI
19	Competency Requirements for Professional Accountants: Basis for Accounting Curriculum Enhancement	Henry D. Rufino	Data analytics in Association to Advance Collegiate Schools of Business-accredited U.S. university accounting programs: A quantitative research study	Journal of Education for Business
20	Valuation of Mangrove Rehabilitation for Storm Surge Protection in Upper Calauag, Quezon, Philippines	Wesley S. Gagarin, Dr. Decibel F. Eslava, Dr. Rico C. Ancog, Dr. Cristino L. Tiburan Jr. and Dr. Noelyna T. Ramos	The economic value of a coastal protected area: an assessment of the Shell Beach Area in Guyana	Journal of Coastal Conservation
21	Modified Blowfish Algorithm Analysis Using Derivation Cases	Theda Flare G. Quilala	Underwater image copyright protection using robust watermarking technique	Indonesian Journal of Electrical Engineering and Computer Science
22	Modified Blowfish Algorithm	Theda Flare G. Quilala	Underwater image copyright protection using robust watermarking technique	Indonesian Journal of Electrical Engineering and Computer Science
23	Modified SHA-1 Algorithm	Rogel L. Quilala	A modified secure has design to circumvent collision and length extension attacks	Journal of Information and Security Applications
24	Modified AES for Text and Image Encryption	Heidilyn V. Gamido	Evaluating image encryption algorithms for the hyperchaotic system and Fibonacci q-matrix, secure internet of things, and advanced encryption standard	
25	Modified AES for Text and Image Encryption	Heidilyn V. Gamido	Design and Implementation of a Lightweight and Fast Tiny Advanced Encryption Standard Algorithm	Jordan Journal of Electrical Engineering
26	OCA: Overlapping Clustering Application Unsupervised Approach for Data Analysis	Alvincent E. Danganan	Food Recommendation System based on Nutritional needs of Human beings and user preferences	International Journal of Health Sciences

COLLEGE HOPPINGS 2022

College	Date	Venue	No. of Attendees
College of Architecture and Fine Arts	October 27, 2022	CCS AVR, TSU San Isidro Campus	23
College of Computer Studies	October 27, 2022	CCS AVR, TSU San Isidro Campus	18
College of Engineering and Technology	September 15, 2022	CET AVR, TSU Main Campus	47
College of Business and Accountancy	September 29, 2022	Academic Building, Lucinda Campus	60
College of Public Administration and Governance	September 27, 2022	Room 304, CPAG building, Main Campus	11
College of Science	September 20, 2022	Academic Building, Lucinda Campus	50
College of Criminal Justice Education	October 28, 2022	CCS AVR, TSU San Isidro Campus	6
College of Teacher Education	September 15, 2022	5th Floor CTed Building, TSU Lucinda Campus	86

QUARTERLY MEETINGS OF THE COLLEGE RESEARCH CHAIRPERSONS

1st Quarter Meeting | March 24, 2022 | Alumni Center, TSU Lucinda Campus

The agenda discussed during the 1st Quarter Meeting are:

1. Research Bootcamp
2. Proposed IPCR ratings for Research Undertakings
3. Proposed revisions in the IRR of the Research Undertakings of Assistant Professors and up
4. "Research Champion" Proposal
5. Audit Results of the Internal Audit Services (IAS)

2nd Quarter Meeting | June 22, 2022 | via Zoom Videoconferencing

The 2nd Quarter Meeting discussion include the monthly monitoring of research proposals, proposed Turnitin Policy, and updates on college research accomplishments.

3rd Quarter Meeting | August 10, 2022 | Baguio City

The 3rd Quarter Meeting featured discussions about the College Research Agenda recalibration. The URO also launched its initiated researches for dissemination to faculty members of their respective colleges.

4th Quarter Meeting

The 4th Quarter Meeting was held alongside the "College Hoppings" conducted by the office to inculcate the research culture and its systems and procedures.

SUMMARY OF SERVICES PROVIDED

Service Provided	Number of Clients
Laboratory Services	65
Consultation Services	32

UNIVERSITY RESEARCH STATISTICAL CENTER

Service Provided	Number of Clients
Request for Anti- plagiarism Scan	465
Request for Statistician	308

LIST OF URO-INITIATED RESEARCH PROPOSALS

No.	Research Title	Project Initiator/ Taker
1	Empowering Indigenous Peoples in Tarlac Province with A Safe and Developed Standard of Living (Research Program)	Wesley Gagarin Geraldine Gamoso Remar Salvador
1.a	Assessment of the Knowledge, Attitude, and Practices (KAP) of Indigenous People on Clean Water, Sanitation and Hygiene	Maria Fermina Joyce C. Nucum, Rodel Macasaquit (CASS)
1.b	Quality Assessment of Drinking Water Sources of Indigenous Communities in Tarlac Province (Phase 1)	Geraldine Gamoso, Wesley S. Gagarin, (COS)
1.c	Fabrication of Solar Powered Water Purification System for The Indigenous Communities of Tarlac Province (Phase 2)	Rommel Gadia, John Louie Baltazar, Robert Marcos (CET)
1.d	Quantitative Ethnobotanical Profiling of Endemic Medicinal Plants Used by Indigenous Peoples (Abellen and Mag-anchi) of Tarlac Province (Phase 1)	Erwin Mina, Geraldine Gamoso (COS)
1.e	Phytochemistry and Pharmacological Studies of Endemic Medicinal Plants Found in The Communities of Indigenous People (Phase 2)	Erwin Mina, Geraldine Gamoso (COS)
1.f	Cooking Methods and Practices of Indigenous Peoples (Abellen and Mag-anchi) in the Province of Tarlac	Emir Lenard Sicangco, Francelle Calub (CET & CASS)
1.g	Cuisines of the Indigenous Peoples in the Province of Tarlac	Remar Salvador, Maria Sheila Medina (CASS)
1.h	Visual Arts of the Indigenous Peoples in Tarlac Province: A Systematic Documentation	Jocelyn Rodrigo, Marco Bildan (CAFA)
1.i	Dissecting "Pinanahang": Exploring the Art of Aeta's Humble Ephemeral Abode	John Daniel Umali (CAFA)
1.j	Language Documentation in Support of Language Education and Revitalization of Aeta Mag-Anchi	Francelle Calub, Angel Noveda (CASS)
1.k	Cultural Tourism Development of the Indigenous Peoples in Tarlac Province (Phase 2)	Mel Johnson Aquino
1.l	Assessment of Knowledge, Attitude, and Practices of Indigenous Communities about Environmental Laws	Remar Salvador
1.m	Comparative Study on Security System among Indigenous Communities of Tarlac Province	Remar Salvador
2	Design and Fabrication of an Improved Taho (Silken Tofu) Vending Machine	Wesley Gagarin, Idris Manguera, John Louie Baltazar, Rommel Gadia (COS & CET)
3	Phase 1: Automated Salted Egg Machine: Fabrication and Acceptance Testing	Geraldine Gamoso, Aldrin Taduran, John Louie Baltazar, Rommel Gadia (COS & CET)
4	Phase 2: Physico-Chemical Analysis and Sensory Evaluation of Salted Egg Produced by Ultrasonic Waves Automated Salted Egg Machine	Geraldine Gamoso, Aldrin Taduran, John Louie Baltazar, Rommel Gadia (COS & CET)
5	Phase 3: Brining of Different Types of Egg Using Ultrasonic Wave Automated Salted Egg Machine	Geraldine Gamoso, Aldrin Taduran, John Louie Baltazar, Rommel Gadia (COS & CET)
6	Development of a Paper Recycling Machine and Standardization of Recycled Paper for Solid Waste Minimization in TSU and in Selected Sites in Tarlac City towards Compliance to RA 9003	Robert Marcos, John Louie Baltazar (CET)
7	Design, Fabrication and Evaluation of Mung Bean Pod Sheller	Robert Marcos, Niccolo Alcantara, John Louie Baltazar, Rommel Gadia (CET)
8	Assessment of Mung Bean Varieties and Practices of Farmers in Tarlac	Maryliz L. Sison, Vanessa Albino, Niccolo Alcantara (COS)
9	Mung Bean Essence Production (Phase 1)	Jaidriel Meg Cabanding (COS)
10	Benefit of Mung Bean Essence to Postpartum Mother in Breastmilk Production (Phase 2)	Maryliz Sison, Johmer Manalang, Niccolo Alcantara, Roman Manucdoc (COS)
11	Design and Fabrication of a Pineapple Leaf (PLF) Extraction Pretotype Machine	Robert Marcos, Niccolo Alcantara, John Louie Baltazar, Rommel Gadia (CET)*
12	Design, Fabrication and Evaluation of an Enhanced Fish Including Seafood Hydro (F.I.S.H.) System	Maryliz Sison, Robert Marcos, John Louie Baltazar, Rommel Gadia (COS & CET)
13	Optimization of Profit: An Assessment of Post – Harvest Fish Income of Vendors in Tarlac	Maryliz Sison
14	Food Safety Practices and Behaviors of Public Markets in Tarlac	Mary Joy Facun, Maryliz Sison (COS)
15	Design, Fabrication and Evaluation of Semi-Automatic Meat Preserver for Preserved Food Products	Claire Lagrana, Katherine Apolonio, John Louie Baltazar (COS)
16	Optimization of the Preservation Process of the Fabricated Meat Preserver	Jaidriel Meg Cabanding, John Louie Baltazar, Rommel Gadia (COS)
17	Establishment and Standardization of Process, and Product Specification of the Tapa Industry in Tarlac Province	Kristine Mae Ipan (COS)

TSU SEIZING RESEARCH OPPORTUNITIES FOR 2023 AND BEYOND

Tarlac State University's Research Office (URO) held a seminar-workshop on research initiatives for college research chairpersons, college representatives, and other prospective directors under the Office of the Vice President for Research and Extension Services (VPRES) on August 10-12, 2022 at Venus Parkview Hotel in Baguio City.

Themed "TSU Seizing Research Opportunities for 2023 and Beyond," the three-day activity is organized to guide colleges in attaining the university's mission to become a champion in research.

Furthermore, it is aimed to recalibrate the colleges' research agenda and launch URO-initiated research proposals that will be farmed out to the different colleges.

The launching of proposals, considered as the seminar-workshop's highlight, was participated virtually by TSU President Dr. Arnold E. Velasco, who discussed his plans for the university and the research area.



URO ACCOMPLISHMENTS AND ACTIVITIES

Seminar-Workshop on Current Trends and Issues on Researches in Architecture and Fine Arts and Research Publication



The two-day activity was held at the CCS AVR of the TSU San Isidro Campus, in which the CCJE and CAFA faculty members participated. Ar. Maria Criselda Soriano from Saint Louis University in Baguio City talked about the current trends and issues in architecture and fine arts. Meanwhile, Dr. Marie Paz Morales of the Philippine Normal University discussed research publication tips and guides.

University-Wide Research Proposal Colloquium



"Towards the Mission: Strengthening TSU's Stature as a Research Institution through Innovative and Collaborative Researches" is this year's theme for the University-Wide Research Proposal Colloquium held last October 18-20, 2022 at the Academic Building of the TSU Lucinda Campus. Eighty-three research proposals were presented by faculty members from different colleges in the three-day activity.

Seminar Workshop on Contemporary Issues and Trends for Business Research



To reinforce the research capability of faculty researchers from the College of Business and Accountancy, the University Research Office organized and facilitated a seminar-workshop on contemporary issues and trends for business research last September 29-30, 2022 at the Academic Building Conference Room of the TSU Lucinda Campus. The invited resource speakers are research experts Dr. Bienvenido Encarnacion and Prof. Nelson Guillen from De La Salle University.

Turn-over of Solar-powered Vehicles



Tarlac State University and Department of Science and Technology Regional Office III turned over two continuous solar power-charging system electric utility vehicles or solar-powered vehicles to the DOST Central Office on December 12, 2022. The project was funded by the DOST III Grants-in-Aid amounting to 2.3 million pesos with a TSU counterpart of 1.3 million pesos. DOST III Regional Director and TSU Board of Regents member Dr. Julius Caesar V. Sicat and TSU President Dr. Arnold E. Velasco met with the DOST Undersecretary for Regional Operations Engr. Sancho A. Maborang to discuss the advancement of solar-powered technologies in the DOST

The 2nd National Research Conference



To foster collaboration with other educational institutions and national government agencies in creating meaningful research outputs, Tarlac State University conducted its two-day National Research Conference (NRC) last December 1-2, 2022, at Subic Grand Harbour Hotel, Subic Bay Freeport Zone in Zambales. This is the university's second national-level research conference organized by the URO themed "Fostering Resiliency, Innovation, and Collaboration Through Meaningful Research."

MOA Signing with Huachiew Chalermprakiet University



Tarlac State University and Huachiew Chalermprakiet University (HCU) of Thailand explored joint ventures on research through a conference co-hosting and in-person seminar. Both universities signed a memorandum of agreement (MOA) on July 12, 2022 regarding the co-hosting of the 9th National and International Conference themed "Research to Serve Society." This international research conference also coincides with HCU's 30th founding anniversary. Certificates of presentation were also awarded to the seven papers presented by faculty members of TSU.

Benchmarking Activity at the Benguet State University



The URO visited Benguet State University on August 12, 2022 for a benchmarking activity where the university learned about the best practices in research management and publication. VPRES Dr. Murphy P. Mohammed led the TSU delegation along with URO director Dr. Robert V. Marcos. They were welcomed by BSU's officials headed by its president, Dr. Felipe Salaing Comila. The university's delegates visited BSU's R&D centers which manage to work harmoniously to support their university's vision despite having distinct operations.

FOOD TECHNOLOGY AND RESEARCH CENTER

FOOD ANALYTICAL LABORATORY

12

Laboratory Services offered

45 samples from 17 clients served (MSMEs/students)



40% increase on the offered Shared Facility Services (Laboratory)

FOOD PROCESSING LABORATORY (SFS)

23

Production equipment as SFS

32 requests served (MSMEs/students/faculty)



30% increase on the offered Shared Facility Services

TECHNICAL ADVISORY SERVICES

15 Technical Advisory Services

113 weighted number of trainees
7 active linkages



6 MOA and MOU forged with government institutions and private companies on Food Technology

TECHNICAL CONSULTANCY, PRODUCTION AND RESEARCH & DEVELOPMENT SERVICES UNIT

1 Research program submitted and approved with 6 project components for internal funding
"TSU Signature "PaMaNgan" Research Program Phase 1"

1 Research paper presented in a national conference
"Design of Food Safety System of Crispy Fried Pork Processing Based on HACCP Principles"

3 Research proposals submitted for external funding (1 approved)

4 Food Technology Utility Model applications submitted to TDTCO

For Official Adoption of Technology

- Composition and Process of Crispy Puffed Pork Rind with Rice and Vegetable Snack Food
- Gummy Confectionary Gel with Calamansi as Enricher of Vitamin C and the Process of Producing Thereof
- Improving the Stability of Naturally-flavored Gummy Confectionary Gel using Kaffir Lime Leaves and Antimicrobial Agent



FTRC ACCOMPLISHMENTS AND ACTIVITIES



Mobilization meeting and needs assessment of the "2022 Provision of Interactive Food Safety (IFS) Technical Consultancy Services to Five (5) MSMEs in Region III"



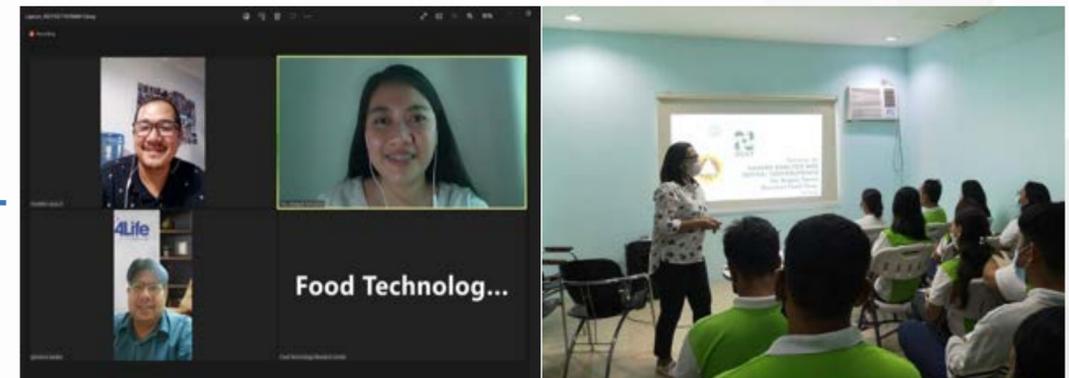
Consultation and coordination meetings for the CHED-PCARI-funded project in collaboration with TAU and CLSU (June 2, 2022)



Signing of Research Funding Agreement for the CHED-PCARI Funded Project (June 11, 2022)



Conducted an orientation and training on the Processing of Various Food Products with Lemongrass on July 7-8, 2022



Completion of 2022 Interactive Food Safety (IFS) Consultancy Project with Akita Herbal Products and Madison's Café and Restaurant funded by the DOST with terminal reports submitted to DOST on October 31, 2022

Conducted a Hazard Analysis and Critical Control Points for Angel's Farmers for 2022 Interactive Food Safety (IFS) Consultancy Project



TSU attended the 24th Likha ng Central Luzon Trade Fair on October 26-30, 2022 in support of the university's MSME clients under the Research and Extension Services.

ACCOMPLISHMENTS



Attended and assisted on the three-day MSME Caravan Training Proper held at the Bulwagan ng Kanlahi, Diwa ng Tarlak, Tarlac City



Submitted two research papers titled "Design of Food Safety System of Crispy Fried Pork Processing Based on HACCP Principles" and "Composition and Process of Improving the Stability of Non-Carbonated Calamansi (*Citrusfortunella microcarpa*) Ready-To-Drink Juice" for publication to the International Food Research Journal

RESEARCH ENGAGEMENT OF FTRC

DOST-THRIVE'S GAWAD TEKINNOVATION WITH RP CORPUS SALES ENTERPRISES



FTRC OPERATIONAL TARGET

100%

of on-going request services under FTRC were monitored and documented



- of Production Services related request endorsed are reviewed and provided with appropriate action
- of Technical Support Services related request endorsed are reviewed and provided with appropriate action
- of Research and Development Services related request endorsed are reviewed and provided with appropriate action



COMMUNITY EXTENSION SERVICES

ROADMAP C: RESEARCH AND COMMUNITY
SERVICES DEVELOPMENT

COMMUNITY EXTENSION SERVICE IN NUMBERS



82 - Active Linkages

1.2 M - External Fund Generated

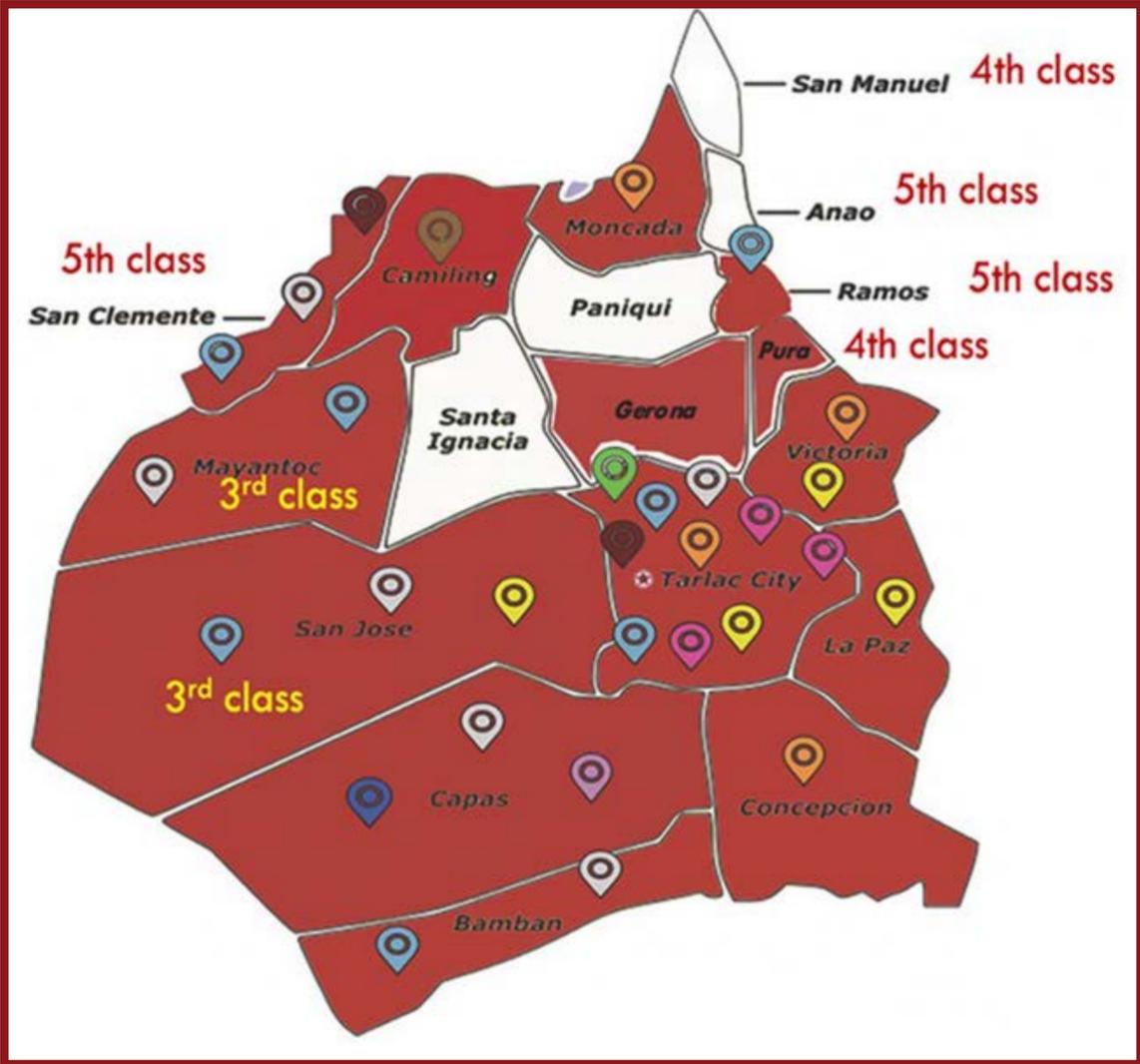
Zero - Non-conformance ISO Audit

Excellent Customer Satisfaction Rating

15 Impact Assessment Study
6 presented 1 Awarded

41 communities served

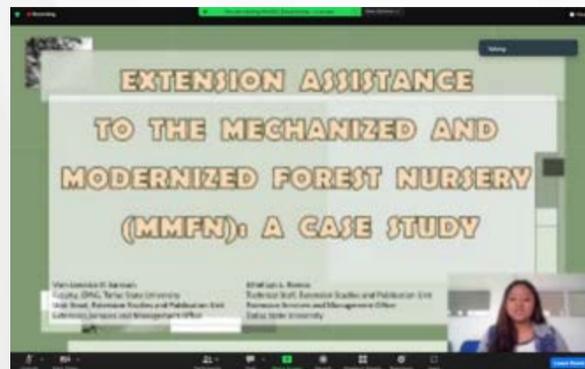
8,462.75 individuals trained



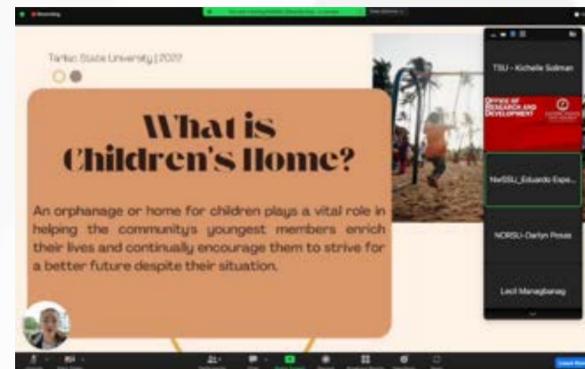
EXTENSION SERVICES AND MANAGEMENT

OUTPUT INDICATOR	TARGET	ACTUAL ACCOMPLISHMENT	ACCOMPLISHMENT RATE
Number of active partnerships with LGUs, industries, NGOs, NGAs, SMEs, and other stakeholders as a result of extension activities	33	44	133.33%
Number of trainees weighted by the length of training	2665	2969.25	111.42%
Number of extension programs organized and supported consistent with the SUC's mandated and priority programs	110	128	116.36%
Percentage of beneficiaries who rate the training course/s as satisfactory or higher in terms of quality	1,150/1,150	1,467/1,467	100%

ESMO ACCOMPLISHMENTS AND ACTIVITIES



Attended and presented extension research papers at the 2nd Asian Conference for Resource Management and Governance (ARCMG)



Officials from Cebu Normal University benchmarked TSU's best practices in the delivery of extension services.



Attended the three-day research forum conducted by the Department of Social Welfare and Development held at Azuro Hotel, Angeles City



TSU-ESMO conducted a Focus Group Discussion (FGD) and Baseline Assessment with the Municipal Social Welfare and Development Office (MSWD) and Child Development Workers in the Province of Tarlac

ESMO ACCOMPLISHMENTS AND ACTIVITIES



CBA conducted a seminar on basic entrepreneurial skills and marketing businesses



CTED conducted a "Skills Training in Making Sweet Potato Buchi and Empanada for IPs of Bamban, Tarlac" to equip the beneficiaries with relevant skills on Buchi and Empanada making using sweet potatoes as a main ingredient



FTRC conducted a training-workshop on food safety fundamentals and sanitation standard operating procedures



FTRC extended its expertise on Food Safety and Quality Control among food business operators on the third day of the MSME Caravan. The Department of Trade and Industry spearheaded the activity held at the Bulwagang Kanlahi, Diwa ng Tarlac.



Dr. Rita E. Pulmano, GAD Director, was a resource speaker for the seminar-workshop on formulating municipal and barangay development plans.



CET Industrial Engineering Department conducted a training on emergency and disaster preparedness for the Indigenous peoples of Sitio Socorro, Brgy. Moriones, San Jose, Tarlac



EXTENSION SERVICES MANAGEMENT OFFICE tsu.esmo



CAFA held a free art workshop, skills training, and exhibit for communities in Tarlac Province on December 3, 2022, at the Diwa ng Tarlac Conference Room.



CCJE conducted its project titled "Project Kriminolohiya: Provision of Hygiene Kits to the PDLs and Detainees of the Tarlac City Jail Female Dormitory" aimed to promote the health and safety of PDLs and detainees.



Under the project "PAGHULMA: Creative Workshops for Tarlaqueno Communities," CAFA conducted an art workshop and skills training for the communities in Tarlac province.



ESMO met with College Extension Chairpersons as part of the approved extension plan to guide the CECs in project conceptualization and support the College Extension and Research Unit.



CBA and Medical Services Office (MSO) organized a free health check-up, gift-giving, and seminar to Tibag Elementary School (TES) for high-quality support



ESMO launched a three-day coaching and mentoring activity from November 9-11, 2022 to package long-term community development projects initiated by the colleges.



Selected CCS faculty members attended a courtesy call with Anao town Mayor Gian Pierre O. De Dios to formally discuss the planned extension activity with the local government of Anao and its community members.



ESMO OIC Director served as a resource speaker in the first Extension Congress of Region VI



Participated in a memorandum of understanding (MOU) signing ceremony where PNVSCA partnered with LGUs and HEIs such as Tarlac State University

GENDER AND DEVELOPMENT CORNER

STUDENT SUPPORT SERVICES DEVELOPMENT			
INDICATOR	TARGET	ACTUAL ACCOMPLISHMENT	ACCOMPLISHMENT RATE
Capacity-building programs through seminars/webinars conducted for the students in the University	10	22	220%

INTER-AGENCY MEETINGS ATTENDED			
INDICATOR	TARGET	ACTUAL ACCOMPLISHMENT	ACCOMPLISHMENT RATE
Attendance to inter-agency meetings by GFPS and GAD Coordinators	10	10	100%

COMMUNITY EXTENSION SERVICES			
INDICATOR	TARGET	ACTUAL ACCOMPLISHMENT	ACCOMPLISHMENT RATE
Number of trainees weighted by length of training	400	732	183%

GAD ACCOMPLISHMENTS AND ACTIVITIES

GFPS & PCAT-VAWC



TSU GAD attended the joint meeting of GAD Focal Point System (GFPS) and Provincial Committee on Anti-Trafficking and Violence Against Women and their Children (PCAT-VAWC), which was conducted on June 9, 2022 at Old Session Hall, Provincial Capitol Building, San Vicente, Tarlac City.

GAD Plan & Budget Assistance



TSU GAD, through Dr. Rite E. Pulmano, assisted the Municipality of Victoria on September 14, 2022 in creating its GAD Plan and Budget (GPB) and Annual Report.

Work Ethics & Safe Spaces Act Webinar



CEJPS and GAD facilitated a webinar titled "Work Ethics and Safe Spaces Act (WESSA)" on September 17, 2022 for the student interns of the university. This activity is in compliance with CMO No. 104, s. 2017 or the Revised Guidelines for Student Internship Program in the Philippines (SIPP) for all programs and the University's On-The-Job Training Manual (TSU-VPA-01-02) or the Guidelines for the Implementation of Flexible Industry Immersion program.

GAD ACCOMPLISHMENTS AND ACTIVITIES

Cybercrime Awareness Seminar



TSU GAD, in partnership with HRDMO, conducted a seminar titled "Safety in the Digital World: Cybercrime Awareness" on September 21, 2022 at the Engineering Building – AVR and streamed via Facebook Live.

Gender Sensitivity Training Speakership



Dr. Rita E. Pulmano was the invited resource speaker of the PPDO-GAD's gender sensitivity training on September 22, 2022 at the Provincial Capitol Building, Tarlac City.

GAD Webinar Series



The TSU-Junior Financial Executives, in partnership with TSU GAD, facilitated a gender and development webinar series via Zoom and Facebook Live on September 24, 2022.

Mental Health Awareness



The COESSE-The Psychological Society, in partnership with the TSU GAD, conducted two-session activity aimed to introduce dance and yoga as a way to destress in a fun and engaging way and connect with one's inner self.

Debate Workshop with GAD



In partnership with TSU GAD, the Junior Philippine Society of Public Administration held a debate workshop themed "Safe and Sound: Safe behind Words, the Sound of Your Voice is Heard."

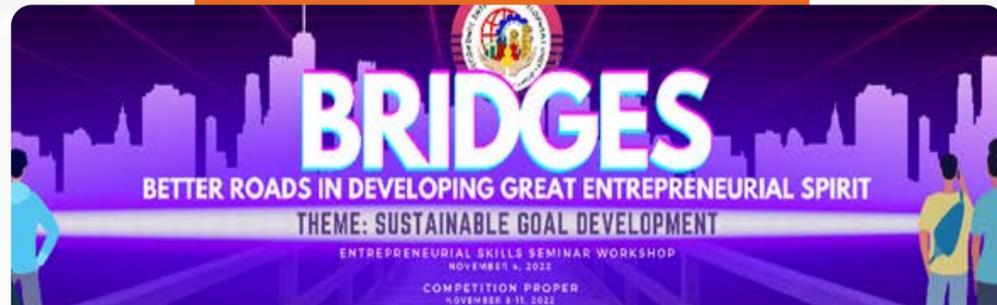
TSU-GFPS Capacity Building Seminar



TSU GAD held its TSU-GFPS capacity building seminar and benchlearning activity in Cavite on October 27-28, 2022.

GAD ACCOMPLISHMENTS AND ACTIVITIES

BRIDGES



TSU GAD contributed to the success of the very first entrepreneurial skills competition titled "BRIDGES: Better Roads in Developing Great Entrepreneurial Spirit" on November 7 to 11, 2022 organized by the SAS Economic Enterprise Development Unit.

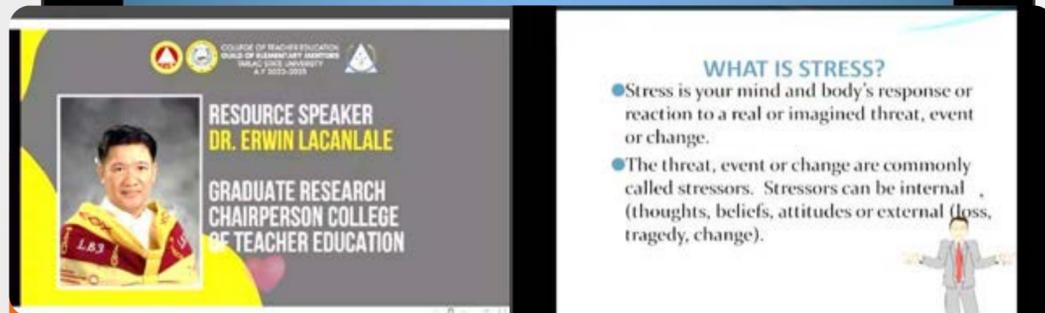
GAD Research Congress



Dr. Rita E. Pulmano served as one of the paper evaluators at Central Luzon State University's 4th National GAD Research Congress in the Science City of Muñoz, Nueva Ecija, on November 18, 2022.

Stress Management Webinar

Stress Management Reduction, Prevention and Coping



The TSU – CBA Student Council in partnership with the GAD Office conducted a webinar titled "Stress Management Webinar: Let Your Feelings Out" on November 28, 2022. The webinar aimed to help the students breathe and be reminded of the importance of stress management.

TSU's Anti-VAWC Campaign



TSU GAD spearheaded the kick-off activity in line with the annual observance of the 18-day campaign to end violence against women themed "UNiTEd for a VAW-free Philippines." This yearly advocacy campaign ran from November 25 to December 12 as mandated by Proclamation No. 1172, s. 2006. It aims to increase public awareness on the issue of violence against women and children and to combat all forms of gender-based violence as enshrined in the 1987 Constitution.



COMMERCIALIZATION AND PRODUCTION

ROADMAP C: RESEARCH AND COMMUNITY SERVICES DEVELOPMENT

TECHNOLOGY DEVELOPMENT, TRANSFER AND COMMERCIALIZATION OFFICE ACCOMPLISHMENTS AND ACTIVITIES

CERTIFICATE OF COPYRIGHT REGISTRATION OF DIFFERENT COLLEGES/OFFICES OF TSU



LAUNCHED SOCIAL MEDIA PROMOTION FOR NATIONAL IP MONTH CELEBRATION

**PRODUCT PITCH IN DOST-TRANSDIWITH
PRESENTED BY COLLEGE OF SCIENCE FACULTY-RESEARCHERS**



TSU AS AN IPOPHL SPECIAL CITATION AWARDEE DURING THE ITSO CLUSTER AWARDS



CONDUCTED SILIP-TALAHIB WEBINAR TO ADVANCE IP AWARENESS, STIMULATE INNOVATION AND TECHNOLOGY STARTUPS, AND ESTABLISH THE UNIVERSITY-BASED TECHNOLOGY BUSINESS INCUBATOR



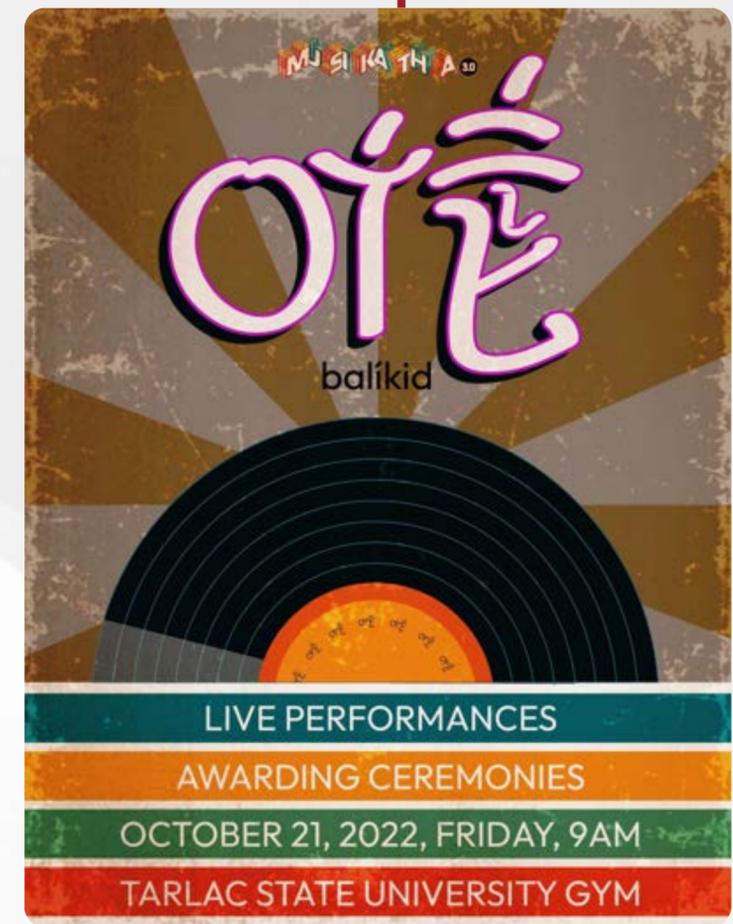
TALAHIB INKS ACCORD WITH SULONG CENTRAL LUZON START-UP CONSORTIUM



TECHNOLOGY DEVELOPMENT TRANSFER AND COMMERCIALIZATION OFFICE
 AN INNOVATION AND TECHNICAL SUPPORT OFFICE FRANCHISE
 Idtc@tsu.edu.ph | (+045) 606-8193 | Idtcoilso

TECHNOLOGY DEVELOPMENT TRANSFER AND COMMERCIALIZATION OFFICE
 AN INNOVATION AND TECHNICAL SUPPORT OFFICE FRANCHISE
 Idtc@tsu.edu.ph | (+045) 606-8193 | Idtcoilso

LAUNCHED SOCIAL MEDIA PROMOTION FOR MUSIKATHA VERSION 3.0



BALIKID - MUSIKATHA VERSION 3.0



ATTENDED THE STAKEHOLDERS' CONSULTATIVE MEETING ON ADVANCED MANUFACTURING CENTER (AMCEN) STRENGTHENING THE TECHNOLOGY, RESEARCH, AND EXTENSION ON ADDITIVE MANUFACTURING (STREAM) PROGRAM



ROUNDTABLE DISCUSSION WITH MR. OR HAVIV AT QBO INNOVATION HUB, AT DTI INTERNATIONAL, MAKATI WITH THE ISRAEL AMBASSADOR TO THE PHILIPPINES, ILAN FLUSS AND MR. OR HAVIV



MOA SIGNING WITH DOST-PCIEERD



Tarlac State University signed a memorandum of agreement (MOA) with the Department of Science and Technology – Philippine Council for Industry, Energy, and Emerging Technology Research and Development (DOST-PCIEERD) during the 6th TBI (Technology Business Incubation) Summit



D

ROADMAP D INSTITUTIONAL QUALITY ASSURANCE DEVELOPMENT

Tarlac State University reaped the seeds it planted in the previous years relative to international and national quality assurance accreditations and assessments. 2022 is the university's prime as it received the Philippine Quality Award (PQA) "Recognition for Proficiency in Quality Management," Level IV Institutional Accreditation from the Accrediting Agency of Chartered Colleges and Universities, Inc. (AACCUP), and Three Stars in the Quacquarelli Symonds (QS) Stars Rating.

Moreover, TSU is also one of the 1,406 higher education institutions from 106 countries worldwide that qualified in the Times Higher Education (THE) Impact Rankings 2022 and sustained its ISO 9001:2015 certification by passing another audit cycle.

Indeed, the culture of quality has been engraved within and among the TSU community.





ACADEMIC PROGRAMS QUALITY ASSURANCE

ROADMAP D: INSTITUTIONAL QUALITY ASSURANCE DEVELOPMENT

CURRICULAR PROGRAM QUALITY DEVELOPMENT



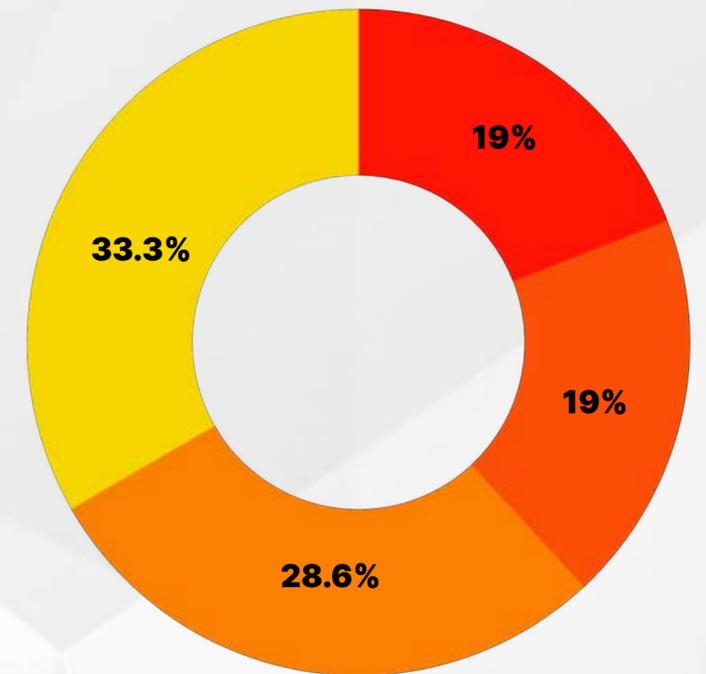
Awarded the status of Re-accredited Level III	
CASS	BA Communication
CCJE	BS Criminology
CBA	BS Hotel and Restaurant Management
	BS Accounting Technology
CTED	B Physical Education
	MA Ed Physical Science
	MA Ed English

Passed the required rating for Level III but with ongoing mandatory recommendations	
CAFA	B Fine Arts m. Advertising
CCS	M Information Technology
COS	MA Nursing
CET	MS Civil Engineering
CBA	BS BA Marketing Management
	D Business Administration

To undergo 3rd Survey Revisit - All Areas	
CTED	MA Ed Filipino
	MA Ed Pre-School
CET	BS Electronics Engineering
	MS Electrical Engineering

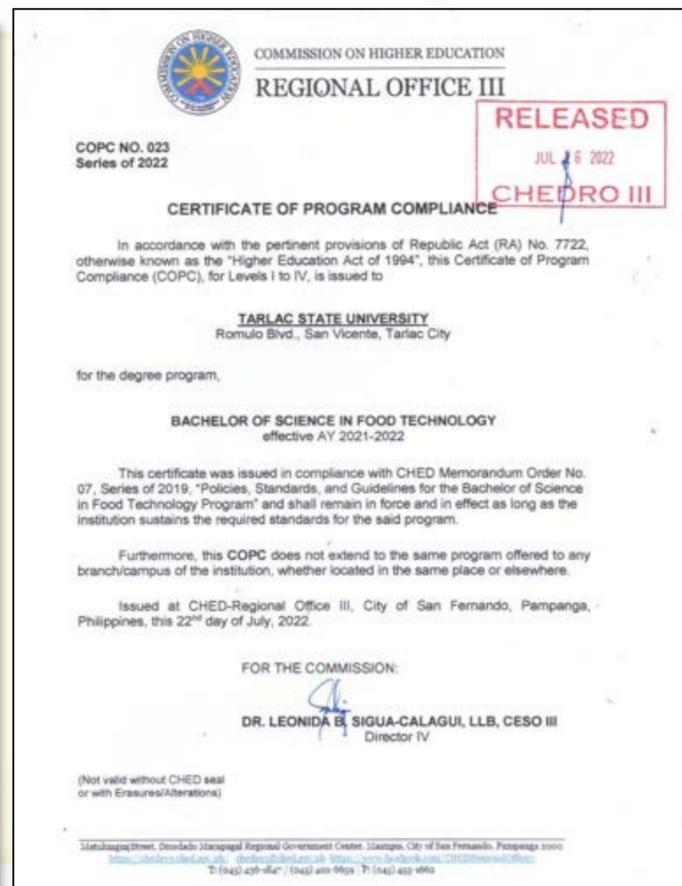
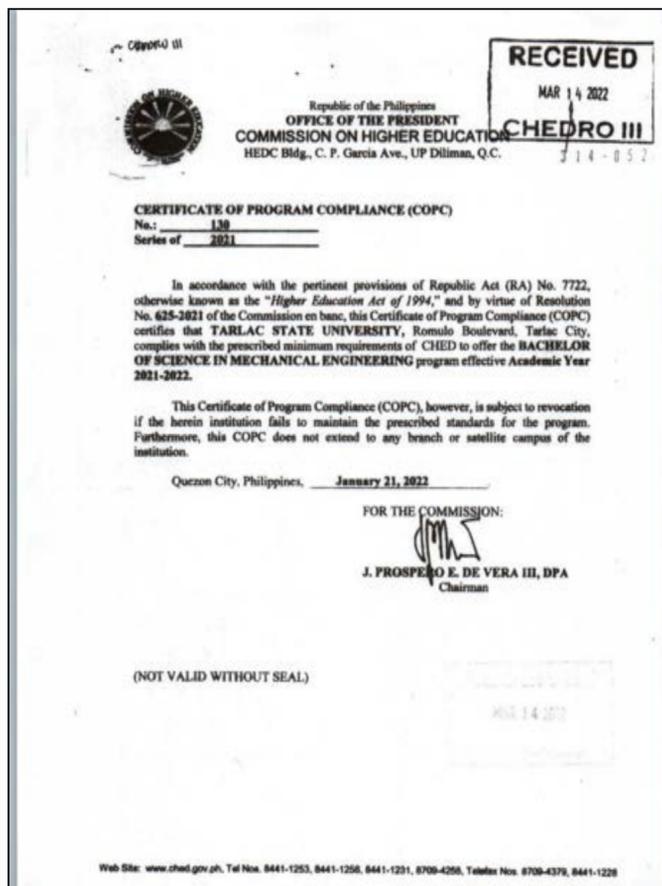
Waiting for Results for Level IV	
CET	BS Industrial Engineering

Waiting for Results for Level III	
COS	BS Environmental Science
	BS Food Technology
	BS Mathematics



Program Accreditation

21 programs underwent AACUP Online Accreditation in 2022



Two programs receive COPC from CHED

The programs BS Mechanical Engineering from the College of Engineering and Technology and BS Food Technology from the College of Science received their Certificate of Program Compliance from the Commission on Higher Education on January 21, 2022 and July 22, 2022, respectively.



INSTITUTIONAL QUALITY ASSURANCE

ROADMAP D: INSTITUTIONAL QUALITY ASSURANCE DEVELOPMENT

INSTITUTIONAL QUALITY ASSURANCE DEVELOPMENT



TSU Receives PQA Level II Recognition for Proficiency in Quality Management

Tarlac State University was presented with the Philippine Quality Award Trophy in an onsite ceremony last March 25, 2022 at the Bulwagang Kanlahi in Tarlac City two days after the 2021 PQA Conferment Ceremony via Facebook Live. The university attained the Level II: Recognition for Proficiency in Quality Management in the 24th PQA Assessment Cycle which was approved by the Office of the Philippine President last January 13, 2022.



INSTITUTIONAL QUALITY ASSURANCE DEVELOPMENT



TARLAC STATE UNIVERSITY
QUALIFIES IN THE
**2022 TIMES HIGHER EDUCATION
IMPACT RANKINGS**

1 OUT OF **1406 HEIs** ALL OVER THE WORLD
1 OUT OF **8 SUCs** IN THE ENTIRE PH

 3 GOOD HEALTH AND WELL-BEING Rank 801-1000	 4 QUALITY EDUCATION Rank 1000+	 11 SUSTAINABLE CITIES AND COMMUNITIES Rank 401-600	 16 PEACE, JUSTICE AND STRONG INSTITUTIONS Rank 601-800	 17 PARTNERSHIPS FOR THE GOALS Rank 1000+
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TSU is Level IV Institutionally Accredited by AACCCUP

Tarlac State University has been awarded the Level IV Institutional Accreditation (IA) by the Accrediting Agency of Chartered Colleges and Universities in the Philippines, Inc. (AACCCUP) on March 11, 2022 during the awards ceremony of the 35th AACCCUP Annual National Conference.

TSU is one of the two SUCs (state universities and colleges) in the country with a Level IV IA. The other SUC is Pangasinan State University.

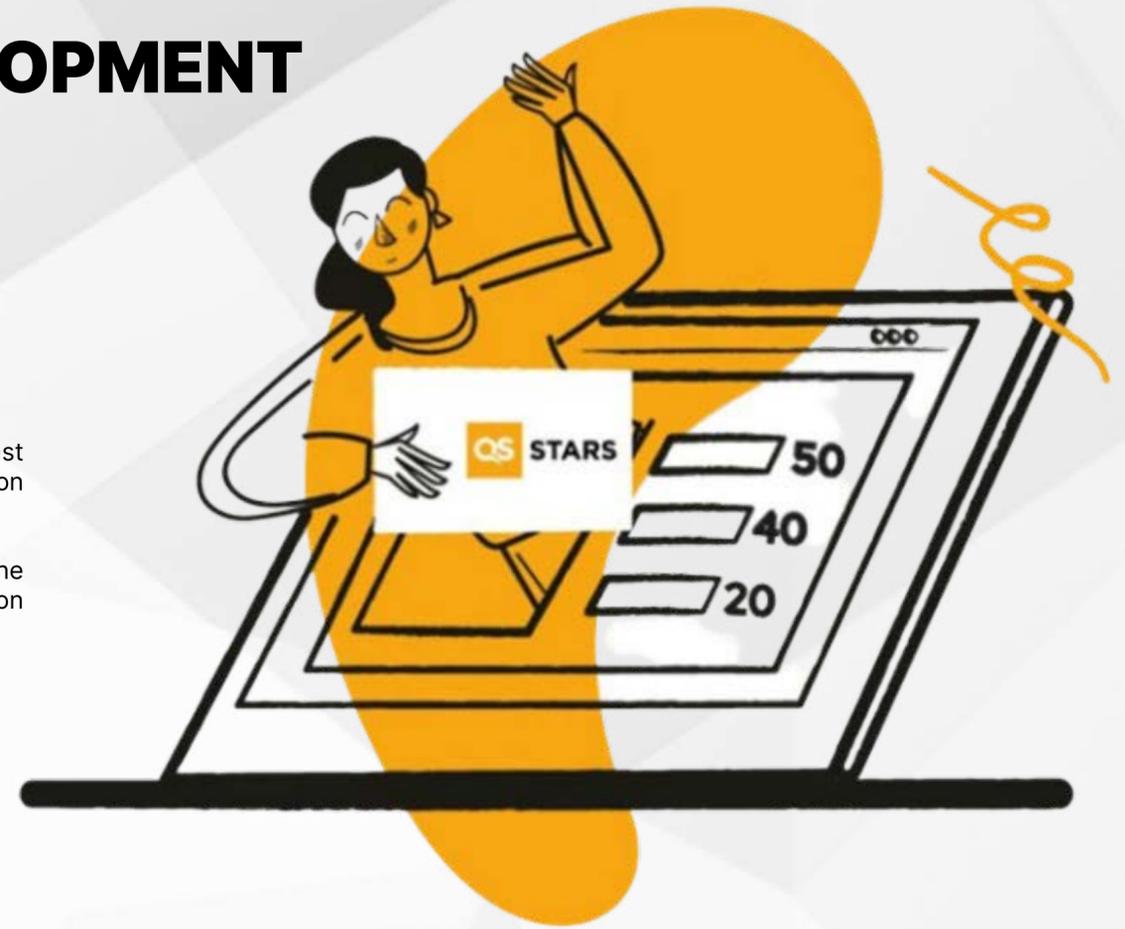


INSTITUTIONAL QUALITY ASSURANCE DEVELOPMENT

TSU receives official QS rating award; officials attend QS Summit

Tarlac State University formally received its certification for being granted the Three Stars rating by the Quacquarelli Symonds (QS) last November 9, 2022 at the QS Awarding Ceremony during the QS Higher Education Summit: Asia Pacific 2022 Hybrid Conference and Exhibition at Intercontinental Jakarta Pondok Indah in Indonesia.

This additional international milestone was personally awarded by QS officials in the in-person ceremony, as the university received the results last September 14, 2022 via email. The preparations started in 2021 through the Quality Assurance Office - International Accreditation Unit. This is the university's first venture in this international rating endeavor.



Rated for Excellence



**Academic Development
Social Responsibility**



**Teaching
Facilities**



QUALITY MANAGEMENT SYSTEM

ROADMAP D: INSTITUTIONAL QUALITY ASSURANCE DEVELOPMENT

QUALITY MANAGEMENT SYSTEM DEVELOPMENT

TSU sustains ISO 9001:2015 for another audit cycle



The Tarlac State University administration has its eyes fixed on maintaining institutional quality assurance as the university passed another Quality Management System (ISO 9001:2015) audit on October 7, 2022.

The two-day virtual surveillance audit was led by TSU President Dr. Arnold E. Velasco, Vice President for Planning and Quality Assurance Dr. Niño B. Corpuz, and QMS Unit Head Engr. Maricar Banting, with the support of the other vice presidents, college deans, directors, and unit heads.

Meanwhile, certifying body W3 Solutionz was represented by Mr. Shahid Mushtaq, who identified the university's leadership and commitment as its strengths. According to him, the top management's continued support of the quest for improvements in quality management, despite the change in administration, is commendable.

Anti-Red Tape Authority On-site Inspection



The QMS Unit facilitated the Anti-Red Tape Authority (ARTA) onsite inspection through the Compliance Monitoring and Evaluation Office (CMEO) on July 27, 2022. They inspected and monitored offices to check if compliances were conducted to ensure that measures and regulations towards the "Ease of Doing Business" in the Philippines are being observed and implemented. Afterwards, the unit submitted an action plan for the identified minor findings on August 5, 2022.



POLLUTION CONTROL AND SAFETY MANAGEMENT SYSTEM

ROADMAP D: INSTITUTIONAL QUALITY
ASSURANCE DEVELOPMENT

POLLUTION CONTROL AND SAFETY MANAGEMENT SYSTEM DEVELOPMENT

Webinar and Seminar



In order to continually prevent and mitigate COVID-19 transmission in the university and to orient the workforce regarding the latest trends and updates on COVID-19, the TSU DRRMC conducted a webinar on **COVID-19 Updates and Trends** last August 5, 2022 via Zoom.



The Pollution Control and Safety Unit conducted a seminar on **"Solid Waste Management"** on October 28, 2022 at the TSU Hotel, Lucinda Campus. The invited guest speakers were from the Santa Ignacia Municipal Environmental and Natural Resources Office.

Nationwide Simultaneous Earthquake Drills



To prepare for earthquake emergencies, to promote and maintain university-wide safety, and to minimize the effects of emergencies and other dangerous situations, the TSU community joined the National Disaster Risk Reduction and Management Council's (NDRRMC) quarterly conduct of virtual earthquake drills via the live stream on the Civil Defense PH Facebook page. (1st Quarter-March 10, 2022; 2nd Quarter-June 9, 2022; 3rd Quarter-September 8, 2022; and 4th Quarter-November 10, 2022)

Through the TSU-DRRMC, the university issued the **Institutional COVID-19 Four-Level Alert System Protocols** on March 2, 2022 to continuously protect the students, faculty members, non-teaching employees, and other stakeholders.



TSU building and office inspection during the aftermath of 5.0 magnitude earthquake

The FDMO, together with the DPWH-Tarlac, conducted a building safety inspection in all three campuses of the university on July 28, 2022 to monitor earthquake-related hazards and assess the situation.

On July 27, 2022, a magnitude of 7.0 earthquake struck the Province of Abra, Cordillera Administrative Region and was felt in several provinces of Luzon including Tarlac City with a registered local intensity of 5.0. TSU had then suspended operations and resumed the following day.





ROADMAP E

INFORMATION AND COMMUNICATION TECHNOLOGY DEVELOPMENT

Tarlac State University spares no effort in constantly gearing itself with the latest technological advancements for the improvement of all its services – whether in inclusive quality education, data management, or frontline transactions. Internet connectivity in all campuses is continually strengthened while software projects and mobile applications are constantly upgraded for seamless access and engagement of users.

These advancements are the university's pledge in embracing Education 4.0.





NETWORK COMMUNICATION CONNECTIVITY

ROADMAP E: INFORMATION AND COMMUNICATION
TECHNOLOGY DEVELOPMENT

HARDWARE MAINTENANCE & NETWORK MONITORING



LIST OF COMPLETED PROJECTS 2022

FIBER NETWORK CONNECTION

Food Technology and Research Center and Student Center Building

ACQUIRED FIBER FUSION SPLICER

For maintenance of fiber optic cables

TRANSPORT LINK UPGRADE

Main TP Link - San Isidro
Upgraded from 10Mbps to 30Mbps

Main TP Link - Lucinda
Upgraded from 60Mbps to 90Mbps

BANDWIDTH UPGRADE

Main Campus
Upgraded from 200Mbps to 200Mbps DIA Standard with Anti-DDOS

College of Computer Studies
Upgraded from 30 Mbps to 60Mbps
DIA Standard

Lucinda Campus
Upgraded from 100Mbps to 200Mbps
DIA Standard



HARDWARE MAINTENANCE & NETWORK MONITORING



FIBER NETWORK CONNECTION
FTRC and Student Center Building

MAIN CAMPUS
Upgraded from 200Mbps to 200Mbps DIA Standard with Anti DDOS

TSU CCS
Upgraded from 30 Mbps to 60Mbps DIA Standard

LUCINDA CAMPUS
Upgraded from 100Mbps to 200Mbps DIA Standard

BANDWIDTH UPGRADE
Renewal of University internet and upgraded bandwidth at no additional cost

MAIN - SAN ISIDRO
Upgraded from 10Mbps to 30Mbps

MAIN - LUCINDA
Upgraded from 60Mbps to 90Mbps

TRANSPORT LINK UPGRADE
Upgrading of transport link connections between the different campuses

ACQUIRED FIBER FUSION SPLICER
For maintenance of fiber optic cables



INFORMATION SYSTEM

ROADMAP E: INFORMATION AND COMMUNICATION
TECHNOLOGY DEVELOPMENT



SOFTWARE DEVELOPMENT



LIST OF COMPLETED PROJECTS 2022

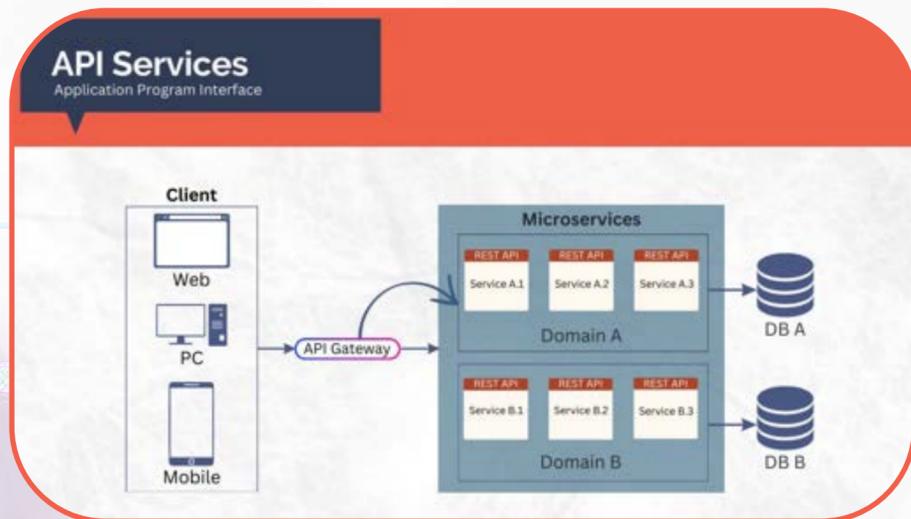
✓	API SERVICES Application Program Interface
✓	CASH ADVANCE MONITORING SYSTEM Monitoring of liquidated and Unliquidated Cash Advances (Utilized API Services)
✓	CENTRALIZED ACCESS FOR INFORMATION SYSTEMS Centralized Management of Privileges for different IS (Utilized API Services)
✓	STUDENT RECORD ARCHIVE SYSTEM Archiving and retrieval of old student records
✓	ONLINE INDIVIDUAL INVENTORY SYSTEM Inventory checklist for students (Utilized API Services)

LIST OF ENHANCED SYSTEMS 2022

✓	TIME ATTENDANCE SYSTEM Updated reports, enhanced tagging of schedules and added QR code validation
✓	ONLINE STUDENT ELECTION Updated reports and voting module
✓	ONLINE LEAVE APPLICATION Updated reports, leave requirements and sending email
✓	STUDENT PORTAL Enhanced user interface and utilized API
✓	FACULTY PORTAL Enhanced user interface and utilized API
✓	ONLINE REGISTRATION Enhanced user interface and utilized API. Code optimization
✓	ONLINE CLEARANCE Updated reports and request module
✓	INTEGRATED ADMINISTRATIVE MANAGEMENT SYSTEM Updated reports, qr code(mobile app) and COA based module
✓	EVALUATION SYSTEM FOR NON-TEACHING Updated contract period
✓	INSTITUTIONAL PERFORMANCE MANAGEMENT INFORMATION SYSTEM Updated planning module
✓	LABORATORY SCHOOL APPLICATION Updated the admin module. Created an email template User interface enhancements
✓	COLLEGE ADMISSION APPLICATION Updated the admin module. Created an email template User interface enhancements
✓	DATABANK FOR PSYCHOLOGICAL TEST Updated reports
✓	PAYROLL SUPPORT Updated reports



SOFTWARE DEVELOPMENT



Cash Advance Monitoring System
Monitoring of liquidated and Unliquidated Cash Advances

EMPLOYEE NO.	NAME	POSITION	ASSIGNMENT
36-0044	CORAZON L. YU	Administrative Officer I	Debursing Officer
08-0042	HAILAND RAMON D. CAPRAL	Administrative Aide VI	Debursing Officer
	DOMAS	Administrative Officer V	Debursing Officer
	L. VILLEGAS	Administrative Officer IV	Collecting Officer
	CONRUE	Professor V	VP Planning & Quality Assurance
	NOEL F. BALANQUIT	Associate Professor V	Director, Culture and Arts
	G. LADONILLA	Administrative Aide VI	Petty Cash Custodian
	S. VALENCIA	Board Secretary V	Board Secretary/University Secretary
	RACE C. ACCORDEN	Administrative Aide III	Collecting Officer
	CAOLING	Associate Professor III	Dean, CPAG
06-0024	MISPER JAY N. MENDOZA	Associate Professor I	Dean, CTE
05-0082	ERWIN P. LACRANAL	Professor V	Professor V

Centralized Access for Information Systems
Centralized Management of Privileges for different IS

IAMS MOBILE APP
A mobile app for inventory checking and maintenance

Student Record Archive System
Archiving and retrieval of old student records

Online Individual Inventory System
Inventory checklist for students



TARLAC STATE UNIVERSITY BOARD OF REGENTS

HON. RONALD L. ADAMAT
Commisioner
Commission on Higher Education

DR. ARNOLD E. VELASCO
President
Tarlac State University

HON. FRANCIS S. ESCUDERO
Chairperson
Senate Committee on Education

HON. MARK O. GO
Chairperson
Committee on Higher and Technical
Education, House of Representatives

HON. JULIUS CAESAR V. SICAT
Director
Department of Science and Technology
Region III

HON. NERRISA T. ESGUERRA
Director
Department of Science and Technology
Region III

HON. REYNALDO L. CATA CUTAN
Representative
TSU Alumni Representative

HON. JOSE D. LACSON
Private Sector Representative

HON. ALVIN P. BELARMINO
Private Sector Representative

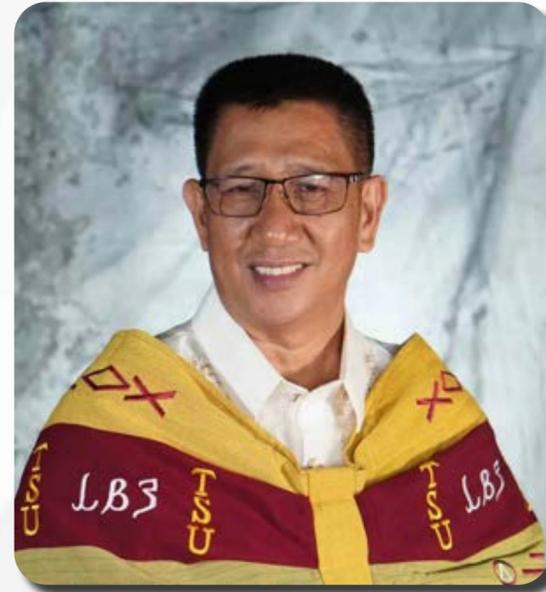
HON. DOUGLAS C. FERRER
President
TSU Faculty and Personnel Union

HON. BEA CLAREN D. TAGASA
Student Regent



TARLAC STATE UNIVERSITY KEY OFFICIALS

effective on April 2022 - present



Dr. Arnold E. Velasco
University President



Dr. Agnes M. Macaraeg
Vice President for Academic Affairs



Dr. Grace N. Rosete
Vice President for Administration



Dr. Murphy P. Mohammed
Vice President for Research and
Extension Services



Dr. Niño B. Corpuz
Vice President for Planning and
Quality Assurance



TARLAC STATE UNIVERSITY ADMINISTRATIVE COUNCIL

(until March 31, 2022)

Dr. Myrna Q. Mallari

Dr. Erwin P. Lacanlale

Dr. Marlon V. Gamido

Dr. Armee N. Rosel

Dr. Niño B. Corpuz

Dr. Brigido B. Corpuz

Ms. Aurelia S. Valencia

Atty. Christian Rhee Delfin B. Orencia

Dr. Jonathan A. Gabriel

Dr. Heidilyn V. Gamido

Ms. Jazzel Llanelli M. Manabat

Ar. Garry M. Advento

Dr. Aloysius T. Madriaga

Dr. Jhonel C. Panlilio

Dr. Theodore M. Timpac

Dr. Alvincent Danganan

Dr. Miriam S. Galvez

Dr. Edwin T. Caoleng

Dr. Jasper Jay N. Mendoza

Atty. Jose I. Dela Rama Jr.

Prof. Gherold C. Benitez

Dr. Theda Flare G. Quilala

Ms. Cynthia M. Bognot

Prof. Louis Adonis M. Silvestre

Dr. Winston F. Abalos

Dr. Jasper Jay N. Mendoza

Ms. Winniefe F. Gutierrez

Mr. John Erwin C. Panlilio

Engr. Pedro G. Suerte-Felipe Jr.

Ar. Cherrie Fabianes

Mr. Marlon C. Dela Cruz

Prof. Edjie M. Delos Reyes

Dr. Lea B. Milan

Prof. Leah T. Matias

Dr. Wilmark J. Ramos

Dr. Jay R. Pabustan

Dr. Ma. Socorro D. Valdez

President

VP for Academic Affairs

VP for Administration and Finance

VP for Research and Extension Services

VP for Planning and Quality Assurance

Executive Assistant

University Board Secretary

Legal Counsel

Director, Internal Audit Services

Director, Management Information Systems

Director, Public Affairs

Dean, College of Architecture and Fine Arts

Dean, College of Arts and Social Sciences

Dean, College of Business and Accountancy

Dean, College of Criminal Justice Education

Dean, College of Computer Studies

Dean, College of Engineering and Technology

Dean, College of Public Administration and Governance

Dean, College of Teacher Education

Dean, School of Law

Director, Student Affairs and Services

Director, Admission and Registration

Director, Library Management Services

Director, National Service Training Program

Director, Alumni Affairs

Director, International Affairs and Linkages Office

Chief Administrative Officer

Director, Finance

Director, Business Affairs and Auxiliary Services

Director, Facilities Development and Management

Director, Human Resource Development and Management

Director, Research

Director, Extension Services and Management

Director, Food Technology and Research Center

Director, Technology Development, Transfer and Commercialization

Director, Planning, Performance Monitoring and Evaluation

Quality Assurance



TARLAC STATE UNIVERSITY ADMINISTRATIVE COUNCIL

(April - December 2022)

Dr. Arnold E. Velasco

Dr. Agnes M. Macaraeg

Dr. Grace N. Rosete

Dr. Murphy P. Mohammed

Dr. Niño B. Corpuz

Dr. Brigido B. Corpuz

Ms. Aurelia S. Valencia

Atty. Christian Rhee Delfin B. Orencia

Dr. Jonathan A. Gabriel

Dr. Heidilyn V. Gamido

Ms. Jazzel Llanelli M. Manabat

Ar. Marco F. Bildan

Dr. Aloysius T. Madriaga

Dr. Jhonel C. Panlilio

Dr. Roel Alviar

Dr. Alvincent Danganan

Dr. Marie Wendy G. Frany

Dr. Edwin T. Caoleng

Dr. Jasper Jay N. Mendoza

Atty. Jose I. Dela Rama Jr.

Prof. Gherold C. Benitez

Dr. Theda Flare G. Quilala

Ms. Cynthia M. Bognot

Prof. Louis Adonis M. Silvestre

Dr. Winston F. Abalos

Dr. Jasper Jay N. Mendoza

Ms. Winniefe F. Gutierrez

Mr. John Erwin C. Panlilio

Engr. Pedro G. Suerte-Felipe Jr.

Ar. Cherrie Fabianes

Mr. Marlon C. Dela Cruz

Dr. Robert Marcos

Dr. Lea B. Milan

Prof. Leah T. Matias

Dr. Wilmark J. Ramos

Dr. Mervin P. Mohammed

Dr. Ma. Socorro D. Valdez

President

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VP for Administration and Finance

VP for Research and Extension Services

VP for Planning and Quality Assurance

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Dean, College of Business and Accountancy

Dean, College of Criminal Justice Education

Dean, College of Computer Studies

Dean, College of Engineering and Technology

Dean, College of Public Administration and Governance

Dean, College of Teacher Education

Dean, School of Law

Director, Student Affairs and Services

Director, Admission and Registration

Director, Library Management Services

Director, National Service Training Program

Director, Alumni Affairs

Director, International Affairs and Linkages Office

Chief Administrative Officer

Director, Finance

Director, Business Affairs and Auxiliary Services

Director, Facilities Development and Management

Director, Human Resource Development and Management

Director, Research

Director, Extension Services and Management

Director, Food Technology and Research Center

Director, Technology Development, Transfer and Commercialization

Director, Planning, Performance Monitoring and Evaluation

Quality Assurance



TARLAC STATE UNIVERSITY LIST OF OFFICES

University President	(045) 606-8101
Vice President for Academic Affairs	(045) 606-8115
Vice President for Administration and Finance	(045) 606-8112
Vice President for Research and Extension Services	(045) 606-8111
Executive Assistant	(045) 606-8120
University and Board Secretary	(045) 606-8121
Internal Audit Services	(045) 606-8122
Management Information Systems	(045) 606-8127
Public Affairs	(045) 606-8123
College of Arts and Social Sciences	(045) 606-8171
College of Business and Accountancy	(045) 606-8172
College of Engineering and Technology	(045) 606-8175
College of Computer Studies	(045) 606-8173
College of Teacher Education	(045) 606-8174
College of Science	(045) 606-8178
College of Public Administration and Governance	(045) 606-8177
College of Architecture and Fine Arts	(045) 606-8170
College of Criminal Justice Education	0925 877 5125
School of Law	(045) 606-8176
Student Affairs and Services	(045) 606-8130
Admission and Registration	(045) 606-8182
Library Management Service	(045) 606-8138
National Service Training Program	(045) 606-8181
Alumni Affairs	(045) 606-8141
International Affairs	(045) 606-8180
Research	(045) 606-8190
Extension Services	(045) 606-8191
Technology Development, Transfer and Commercialization	(045) 606-8193
Food Technology and Research Center	0919 086 7904
Gender and Development	(045) 606-8196
Office of Planning, Performance Monitoring and Evaluation	(045) 606-8126
Quality Assurance	(045) 606-8124
Administrative Services	(045) 606-8154
Finance	(045) 606-8150
Business Affairs and Auxiliary Services	(045) 606-8153
Facilities and Development Management	(045) 606-8158
Human Resource Development and Management	(045) 606-8155



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