



# 2021 ANNUAL REPORT

BUILT TO ENDURE







## CORE VALUES

Relevance, Integrity, Truth, Excellence

## GOALS AND OBJECTIVES

**WORLD-CLASS EDUCATION.** Visayas State University (VSU) will be recognized as one of the premier universities in Asia, offering affordable world-class education to produce highly competent manpower in science and technology (S&T), especially for agriculture, environmental management and industries.

**GLOBALLY COMPETITIVE S&T.** Research is the engine of innovation. Technologies and information generated by research improve the socio-economic status and build the resilience of vulnerable groups.

**EMPOWERED COMMUNITIES.** The instruction and research programs of VSU contribute to social progress, but it is through its extension programs that the university brings about direct and immediate effect on society. In the next 10 years, VSU will strengthen its community engagement for community empowerment.

**SUSTAINABLE RESOURCE GENERATION.** The university is endowed with vast natural resources and pool of experts vital for creating income generating projects that will help augment the resources provided by government. The challenge is to strike a balance between continuing the pursuit of excellence while maintaining environmental conditions that will support present and future generations.

**CLIENT-CENTERED GOVERNANCE.** More exciting opportunities in exchange of information in science and technology come in positioning VSU in the arena of ASEAN integration. We embrace the responsibility as a research university to build up experts engaged in effectively serving our clients – parents, students, farmers, entrepreneurs, policy makers and technologists by making our science and technological products more accessible.

**VERSATILE SPACES FOR INNOVATION.** Spaces are important for innovation. We would like to build upon the lessons of VSU's visionary leaders: versatile spaces are conducive for deliberate and serendipitous encounters where great ideas brew and flow.

**STRONG ALUMNI ENGAGEMENT.** VSU alumni are college graduates of BNAS, VAC, ViSCA, and VSU as well as secondary school graduates of ERHS, VLHS, and VSULHS, all organized into the VSU Alumni Association. Students who did not finish their college education at VSU will be considered associate members if they desire to apply as such.



# VISAYAS STATE UNIVERSITY

# **QUALITY POLICY STATEMENT**

The Visayas State University (VSU), a globally competitive university for science, technology, and environmental conservation, is created by law to develop highly competitive human resource, cutting- edge scientific knowledge and innovative technologies for sustainable communities and environment.

Towards this end, we, at the Visayas State University, commit to:

- Produce highly competent, quality and world-class manpower in science and technology, especially for agriculture, environmental management and industry who are proficient in communication skills, critical thinking and analytical abilities;
- Generate and disseminate relevant knowledge and technologies that lead to improved productivity, profitability and sustainability in agriculture, environment and industry; and
- Satisfy the needs and applicable requirements of the industry, the community and government sectors who are in need of quality graduates and technology ready for commercialization through the establishment, operation, maintenance and continual improvement of a Quality Management System (QMS) which is aligned with the requirements of ISO 9001:2015.

It shall be the policy of the university that the quality policies and procedures are communicated to and understood by all faculty, staff, students and other stakeholders and that the system be continually improved for its relevance and stakeholders.



**VISAYAS**  
STATE UNIVERSITY

**OFFICE OF THE UNIVERSITY PRESIDENT**

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01 April 2022

**HIS EXCELLENCY RODRIGO ROA DUTERTE**

President of the Republic of the Philippines  
Macañang Palace, Manila

THROUGH:

**J. PROSPERO E. DE VERA III, DPA**

Chairperson, Commission on Higher Education  
Chairperson, VSU Board of Regents

Dear **President Duterte**:

Greetings from the VSU community

I hereby submit to your good office the 2022 Annual Report of the Visayas State University which encapsulates all our humble accomplishments for the past year. This report is anchored on our three major thrusts of Instruction, Research and Extension. We've also included special sections on general administration, events collaboration and publications, and most importantly our COVID-19 initiatives to highlight some other equally relevant accomplishments of the university during the said year.

We at VSU are very much thankful to the wholehearted support of your administration has extended to our dear university. We will aspire to work better in the years to come to be the true to our mandate and push forward the national development goals and objectives of the Philippine Government

Mabuhay at maraming salamat po!

Very truly yours,

A handwritten signature in black ink, appearing to read 'Edgardo E. Tulín'.

**EDGARDO E. TULIN, Ph. D.**





# FOREWORD

The year 2021 will always be remembered in our history as a tumultuous year that saw the onset of a deadly pandemic that locked us up inside our own homes to keep everyone safe. This is also the same year that we sent our dear students to their respective homes and closed down our five campuses from face-to-face classes and other physical transactions.

Many feel that we have never seen a tragedy as big and as prolonged as the COVID-19 pandemic in our lifetime. But, cliché as this may sound, together our university was still able to achieve amazing things in this time of great despair and uncertainty.

Our 2020 VSU Annual Report highlights the successes that we've accomplished despite the ongoing threat of a global pandemic. We're equally proud and humbled that despite the challenges brought by COVID-19, we've victoriously adjusted our usual academic operations including our long-held policies and guidelines to align it with the many tests of the times.

We followed a very compassionate grading system that allowed us to complete the second semester of Academic Year (AY) 2020 to 2021 with a battlecry that 'No Viscan Shall Be Left Behind'. We produced 1,713 graduates for last school year despite the challenges in conducting and writing thesis/dissertation from home and organized our first Systemwide Virtual Commencement Exercises.

We launched our first fully online enrollment system for our Baybay and Tolosa campuses while we have implemented a remote enrollment system for Alangalang, Isabel, and Villaba campuses. We've produced and distributed a record number of printed learning guides for our offline learners and delivered these to their respective towns, all for free. We also launched our very own e-learning portal of the university as a one-stop shop for our online learners to continue with our mandate in the time of new normal education.

On top of that, we've managed to solidify our international reputation as a world class institution of higher learning by getting our first ever

3-star rating from Quacquarelli Symonds (QS). We've also retained our ISO 9001:2015 full certification from TÜV Rheinland Philippines and completed an experimental virtual audit system to ensure that our current operational practices are compliant with internationally-accepted standards.

Lastly, we did all means to be of service to our immediate community by extending help to many people including other government agencies that has been affected by the COVID-19 pandemic. We did a local donation drive to support more than 500 stranded students to provide them with weekly food packs that ran from March until September this year. We also took care of the needs of our community people, faculty members, staff including our local frontliners by providing them with free weekly vegetable produce harvested from our demonstration farms that from April to December 2020.

All these and many others are compiled in this document as a humble testament to VSU's commitment to continue "Educating and nurturing our community during a pandemic", which we believe is a fitting theme for this annual report.

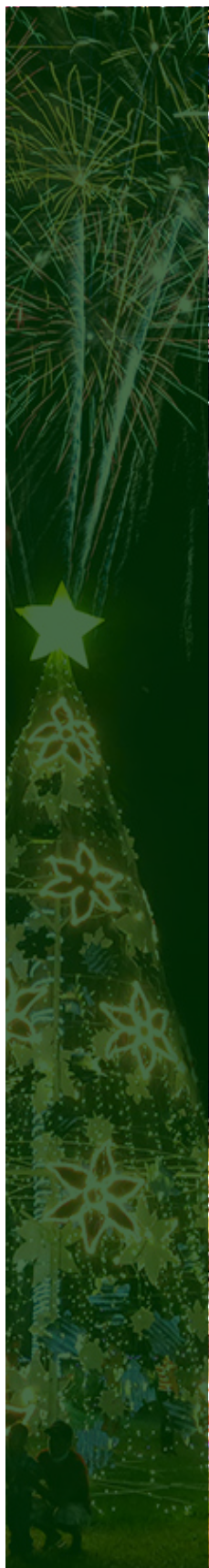
May we all be inspired by these small victories as we reset and recover our country from the challenges brought by COVID-19.

God bless and keep safe everyone.

  
**DR. EDGARDO E. TULIN**  
President, Visayas State University

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# HIGHLIGHTS OF THE YEAR

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# VSU completes first ISO 9001:2015 remote audit with zero non-conformity

As months of extensive document preparation culminated with a two-day marathon audit, the Visayas State University successfully maintained full certification of its Quality Management System (QMS)—as prescribed by the ISO 9001:2015 standard—with TÜV Rheinland Philippines.

VSU's ISO 9001 certification covers the university's "provision of higher and advanced educational services, including research and extension services".

the audit team from TÜV Rheinland Philippines highlighted 9 positive feedbacks in the areas of top management, general services, facilities management, internal audit, human resource management, and overall institutional accomplishments in 2020.

The lead auditor emphasized the implementation of the VSU Human Resource Information Management System (HRIS), which he considers as a groundbreaking mechanism to ensure efficiency in the overall work systems of VSU.

A dedicated QMS portal, jointly developed by ODQA and the Information and Communication Technologies Management Center (ICTMC), served as a repository of VSU's documentation and showcase for the auditors.

The successful run of the first surveillance audit will set as a model framework for future accreditation and evaluation activities within the VSU system.



The Institutes for Research, Innovation and Scholarship (IRIS), an emerging research and innovation think-tank in the Philippines, places VSU within the top 20 best universities in the country in terms of research productivity.

VSU was named top 12 in both science and engineering, and top 15 in health. It is the only university in Eastern Visayas to make it to the top 50 list.

This beta version of the university research rankings were based on the cumulative publications and citations from both Elsevier's Scopus and Thomson Reuter's Web of Science, and the H-index.

## HIGHLIGHTS

# RANK 32

## VISAYAS STATE UNIVERSITY

2021 TOP 200  
MOST POPULAR UNIVERSITIES  
IN THE PHILIPPINES ONLINE

2021 RANKING OF PHILIPPINE UNIVERSITIES | UNIRANK

Visayas State University secures the 32nd spot in uniRank's 2021 Top Public Universities in the Philippines.

There were 232 Philippine higher education institutions (HEIs) that met their selection criteria and were ranked.

The results provide an approximate global ranking of universities and colleges based on their web presence and popularity in terms of estimated traffic, trust, authority, and quality link popularity.

# 19<sup>th</sup>

Webometrics | July 2021  
WEB RANKING OF PH UNIVERSITIES



19 7851 [Visayas State University](#) 12810 4366 6650

After two assessments that saw a decline in VSU's Webometrics performance, the university has climbed up again and returned to the Top 20 web ranking of Philippine universities.

VSU was up by eight notches in the July 2021 assessment from 27th to 19th spot—just one step close to its highest Webometrics ranking in January 2020.

This makes VSU the only university in Eastern Visayas to have reached the top 20 spot since Webometrics started releasing their independent ranking assessment in 2004.



VISAYAS STATE UNIVERSITY

# RANK 25

BEST UNIVERSITY IN THE PHILIPPINES

TOP 230 UNIVERSITIES IN THE PHILIPPINES

EduRank

In the many university rankings that floated recently, VSU is the only university in Region 8 that makes it to the top 30 spot in the Philippines.

EduRank, an emerging university ranking system that mainly uses accumulated social media scores, placed VSU in the 25th spot in the country rankings, and the undisputed leader in the regional rankings in Eastern Visayas.



# Gil is 2020 most outstanding agri-engineering student in the Philippines

Mr. Gil was recently awarded as the Most Outstanding Agricultural and Biosystems Engineering Student for 2020 dubbed as the Young Maramba Award.

This recognition is the highest national award for agricultural and biosystems engineering students given by the Philippine Society of Agricultural and Biosystems Engineers (PSABE).

Mr. Gil applied last year and received the award during this year's virtual 70th PSABE National Convention held on April 28, 2021.



## VSU engineering grad starts consultancy firm on hydrology

Engr. Omar P. Jayag, an alumnus of Visayas State University (VSU), joins the booming Cebu City business industry as he leads their company specializing in holistic water management solutions, the Terra-Hydrology Corporation.

As President and Chief Operating Officer (COO) of the company, Engr. Jayag heads a consultancy firm that aims to help its clients make informed and sustainable business decisions through hydrologic analysis.



## VSU AnSci Head elected as PSAS nat'l council member, bags best presenter award in nutrition

No less than the Head of the Department of Animal Science (DAS), Dr. Manuel D. Gacutan, Jr., has been granted a seat in the national governing council of the Philippine Society of Animal Science (PSAS).

PSAS is the premier and the lone national organization of animal science professionals in the country with its members composed of educators, researchers, practitioners and other enthusiasts.

On top of that, he also took home the Best Presenter Award in the annual scientific convention of the said organization.



## 2 education students join European online summer school program on democracy



Two Viscans from the College of Education (CE) namely Ms. Francheska Terese C. Matiga and Mr. Paul Vincent L. Fornis represented VSU in this extensive online learning program on democracy.

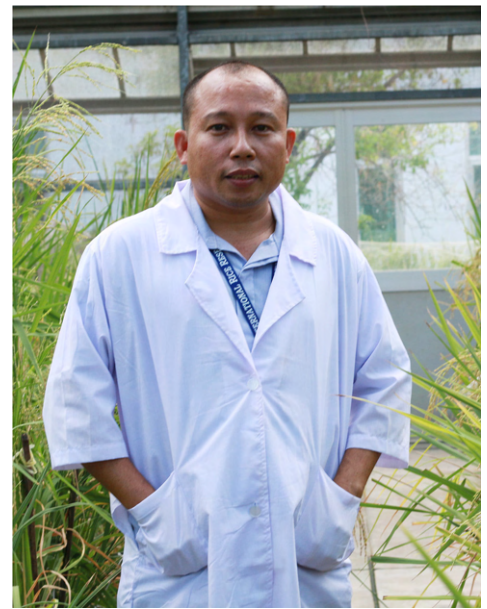
The three-week online program offered by the Masaryk University mainly covered topics about the political transition of Europe.

Masaryk University has been partnering with VSU for several years since the inclusion of the university in the EXPERTS ASIA program, a European Union (EU) funded project that aims to enhance the capacity for international cooperation among its participating countries in South and Southeast Asia.

# #ProudViscan is pioneering chief of the first Crop Biotechnology Center in Southeast Asia

Dr. Roel R. Suralta, a graduate of Bachelor of Science in Agriculture major in Agricultural Botany in the then Visayas State College of Agriculture (now VSU) in 1994, is the first center chief of the newly inaugurated Department of Agriculture - Crop Biotechnology Center (DA-CBC).

Headquartered within the compound of the Philippine Rice Research Institute (PhilRice) located in the Science City of Muñoz in Nueva Ecija, DA-CBC is the first dedicated biotechnology research facility for crops here in Southeast Asia.



NOVEMBER 2021 LICENSURE EXAMINATION FOR AGRICULTURISTS

## BOARD TOPNOTCHERS



**John Carlos D. Boyles**

Bachelor of Science in Animal Science

### TOP 2



**Ella Hazel B. Estrada**

Bachelor of Science in Agriculture

### TOP 1



**Kathleen Mae A. Auxtero**

Bachelor of Science in Agribusiness

### TOP 7

On the evening of November 18, news broke out like wildfire that 3 #ProudViscans dominated the November 2021 Licensure Examination for Agriculturists (LEA).

They were **Ella Hazel B. Estrada** from the Department of Soil Science (DSS) who topped the 3,927 takers of this year's agriculture board followed by **John Carlos D. Boyles** from the Department of Animal Science (DAS) who clinched the second spot, and **Kathleen Mae A. Auxtero** from the Department of Business and Management (DBM) who ranked 7th place.

#### HIGHLIGHTS



# New Agricultural and Biosystems ENGINEERS

VISAYAS STATE UNIVERSITY



**ENGR. RUEL C. LAMBERTE**  
6TH PLACER



ENGR. JOEY NIEL D. CASTIL



ENGR. VICTORINO H. RUALES JR.



ENGR. RAMEL R. COLETANA



ENGR. MYRLA MAE B. SINTOS



ENGR. JOVAN MATTHEW T. COSTILLAS



ENGR. VIRGIL MAE P. TAGHAP



ENGR. ADA MIANIE C. PASANA



ENGR. KRYSTEL DENICE L. LABRADOR



ENGR. HAZEL MAE C. GELAY

Engr. Ruel C. Lamberte, currently a part time instructor of the Department of Agricultural and Biosystems Engineering (DABE), grabs the 6th place in the September 2021 licensure examination for agricultural and biosystems engineers.

The lone topnotcher from VSU graduated in 2020 and has been affiliated to VSU-DABE since February 2021.

In this same board exam, there were 9 other new #ProudViscan agricultural engineers who were added in the roster of successful examinees from VSU-DABE with the university obtaining an institutional passing percentage of 41.67%.

Aside from Engr. Lamberte, here is the complete list of passers coming from VSU-DABE:

Engr. Joey Niel D. Castil  
Engr. Ramel R. Coletana  
Engr. Jovan Matthew T. Costillas  
Engr. Hazel Mae C. Gelay  
Engr. Krystel Denice L. Labrador  
Engr. Ada Mianie C. Pasana  
Engr. Victorino H. Ruales Jr.  
Engr. Myrla Mae B. Sintos  
Engr. Virgil Mae P. Taghap



Viscan **Christian Jacob C. Espejo** turned out to be one of the topnotchers of the February 2021 Veterinarian Board Exam, taking 4th place among 696 passers across the country. Joining Dr. Espejo are nine other newly licensed veterinarians from the Visayas State University:

Dr. Shiela Mae G. Bolambot  
Dr. Kirk Michael C. Caniga  
Dr. Marie Irene D. Casas  
Dr. Ellen Joy Cuyacot  
Dr. Maria Fe Teresa Fores

Dr. Mari Denise Amphy A. Layola  
Dr. Inna Mari F. Mago  
Dr. Antonette Sia  
Dr. Kyle D. Tubigan



# CSC PAG-ASA GROUP AWARD



Dr. Rosario A. Salas



Mr. Jed Asaph D. Cortes



Prof. Manolo B. Loreto



Dr. Santiago T. Peña



Dr. Elwin Jay V. Yu

For the fifth consecutive time since 2016, the team from Visayas State University brings home the Regional Pag-asa Award (Group Category), this time because of the specific response done by the university in fighting COVID-19.

They call themselves the VSU Pandemic Movers who were operating under the command of the Office of the VSU President. The group is composed of VSU key officials who worked on key areas and special projects to keep the university safe and responsive to the needs of VSU constituents including its neighboring communities.



## VSU researchers sweep all awards in regional RDE confab

Visayas State University researchers bag all the awards during the 32nd Regional Research, Development, and Extension (RDE) Symposium held on March 23 and 24, 2021 via Zoom.

This annual research competition was jointly presented by the Visayas Consortium for Agriculture, Aquatic, and Natural Resources Program (ViCARP) and the Regional Research, Development, and Extension Network (RRDEN).



## VSU Tolosa faculty win Best Research Pitch contest of the Philippine Genome Center

Mr. Brandon Briggs Silvano, Ms. Mary Ann B. Madeja and Mr. Jet Lee Olimberio composed the winning team who delivered their research paper on 'VisChitosan', which is a word they coined to describe their team of #ProudViscans who are exploring the many potentials of a sugar substance called chitosan.

In this winning research pitch, the VSU Tolosa faculty researchers extracted chitosan from locally sourced shells of green mussels, with scientific name *Perna viridis* and a local name 'Tahong'.

## HIGHLIGHTS



Dr. Janet Alexis A. De los Santos, an Associate Professor of VSU College of Nursing (CON) was recognized as 2nd placer in the regional search for Distinguished Health Researchers in Region 8.

This award was accorded by the Eastern Visayas Health Research and Development Consortium (EVHRDC), Department of Science and Technology (DOST) and Eastern Visayas Center of Health Development (EV-CHD) during the 2021 Eastern Visayas Regional Science and Technology Week celebration held from November 24-26, 2021.



Ms. Sofia Beatriz L. Punzalan, a Grade 12-STEM student from the VSU Integrated High School (VSUIHS), landed the 3rd spot for the Outstanding Student Creative Research category in the recently concluded Regional Invention Contest and Exhibits (RICE).

Meanwhile, Mr. Nelson H. Tejera, a resident data analyst and instructor of VSUIHS, was named as one of the top performing scholars of an extensive training program on data science called the Smart Philippines through Data Analytics Research and Development Training and Adoption (SPARTA).



Mr. Ismael V. Demakaling and Mr. Melvin T. Narra, both from the VSU Department of Business Management (DBM), were declared as provincial winners of the Young Farmer Challenge: Kabataang Agribiz here in Eastern Visayas.

Because of this, they will now be part of the 60 young agri-entrepreneurs who will be granted a competitive financial grant from the Department of Agriculture (DA).

Mr. Demakaling is an alumnus of the Bachelor of Science in Agribusiness (BSAB) who recently graduated in September this year while Mr. Narra is also taking the same undergraduate program and is now in his senior year.





### Mr. Jestoni P. Singson,

a Bachelor of Science in Agribusiness (BSAB) student, will lead the 30 strong graduating students with honors across the 5 campuses of the VSU system.

He will graduate as Magna Cum Laude with a grade point average (GPA) of 1.407, the highest grade among the 1,191 college graduates of VSU Class 2021.

# VSU's UGMAD Awards 2021:

Honoring the heroes of agriculture in Eastern Visayas



The Ugmad Awards was established for this reason, an awarding ceremony that's part of the annual Farmers and Fisherfolks' Day in celebration of the 97th VSU Founding Anniversary.

The program was held on April 28, 2021, where farmers and fisherfolks' associations from across Leyte were invited to a video conference for the awarding of the most outstanding farmers and fisherfolk.

There were a total of six categories for the farmers, fisherfolks, and farmers' and fisherfolks' associations to enter. These categories highlighted their contributions to agriculture and fishery.

The categories were as follows: Outstanding Vegetable Farmer, Outstanding Fisherfolk or Aquaculturist, Best Agri-Tourism Farm, Outstanding Fisherfolks Association, Outstanding Farmers' Association, and Outstanding Farmer Entrepreneur.

The winners are as follows:

**Rosalina Bucal**  
Outstanding Vegetable Farmer

**Mateo Villanueva**  
Outstanding Fisherfolk

**Reynaldo Aniban**  
Outstanding Farmer Entrepreneur

**Juanito Eco-Farm School for Practical Agriculture**  
Best Agri-Tourism Farm

**Ormoc City Fishpond Operators Association**  
Outstanding Fisherfolks Association

**Mat-E Farmers' Association**  
Outstanding Farmers Association

## HIGHLIGHTS



# *Congratulations*

## DR. ALELI A. VILLOCINO

Vice President for Student Affairs and Services



## DepEd Baybay awards VSU VP Villocino for her SPED initiatives

The Department of Education (DepEd) Baybay City Division recognized Dr. Aleli A. Villocino, VSU Vice President for Student Affairs and Services, with the Good Samaritan Award for her initiatives on Special Education (SPED).

Dr. Villocino is an advocate for inclusive education by means of providing opportunities for children with special needs, which is why she started SPED Day Camp at VSU.



## Juliet Ceniza, NCRC-V Director, is VSU's new VP for research, extension and innovation

Dr. Maria Juliet Ceniza, VSU Professor and Director of the National Coconut Research Center in the Visayas (NCRC-V) has been appointed as the new Vice President for Research, Extension and Innovation of Visayas State University effective January 5, 2021.

She succeeds Dr. Othello Capuno, who served as vice president for 12 years.



## Chemistry prof delivers SEARCA professorial chair lecture; promotes hydroponics farming in EV

As part of his inaugural lecture being a distinguished grantee of a professorial chair award from the Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), Dr. Felix M. Salas promoted the hydroponics system as the future direction of agricultural practice in Region VIII.

In particular, Dr. Salas presented the important insights that he learned in combining liquid nutrient formulation (LNF) and the aggregate hydroponic system as a practical solution in addressing the growing food security concerns in the country.



## President Tulin succeeds EVSU's Aguirre as PASUC-8 prime mover

In a virtual election held in the afternoon of February 5, Visayas State University President Edgardo E. Tulin was unanimously elected as President of the regional chapter of Philippine Association of State Universities and Colleges (PASUC-8).

PASUC-8 is a strong regional block composed of 10 of state universities and colleges (SUCs) that are based in Eastern Visayas.

VSU President Tulin expressed his commitment to continue the strong collaborations nurtured by PASUC-8.

Dr. Tulin will serve as PASUC-8 prime mover along with other key leadership positions that were bestowed upon him while serving as VSU President.

### HIGHLIGHTS





## Visayas State University PHILIPPINES



2021

RESEARCH ORIENTED UNIVERSITY

### VSU gets 4 stars in regional ratings for ASEAN universities

Visayas State University is humbled to obtain another international recognition with the official release of the University Performance Metrics (UPM) for 2021 results.

UPM, which is a new regional rating system endorsed by the ASEAN University Network (AUN), accredits VSU as a 4-star university under the research-oriented category after securing an accumulated institutional score of 605.5 points.



### UniRank puts VSU as 14th top university in the Philippines

The Visayas State University is up by 18 notches climbing from 32nd place now to 14th spot in the October 2021 edition of the Philippine University Rankings conducted by UniRank.

UniRank is a leading international higher education directory and search engine that features the reviews and rankings of over 13,800 officially recognized universities and colleges across 200 countries.

In this edition, 232 higher education institutions in the Philippines were rated based on five web metrics extracted from four different web intelligence sources. These include Moz Domain Authority, Alexa Global Rank, SimilarWeb Global Rank, Majestic Referring Domains, and Majestic Trust Flow.

# INSTRUCTION

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# FLEXIBLE LEARNING

## COLLEGE OF EDUCATION

### Department of Teacher Education

#### Number of Instructional materials developed

| Instructional Materials Developed  | Number of IMs |
|------------------------------------|---------------|
| <b>Graduate Student</b>            |               |
| ▪ On-line ready courseware         | 4             |
| ▪ Flexible Instructional materials | 4             |
| ▪ Assessment tools                 | 20            |
| <b>Undergraduate Student</b>       |               |
| ▪ On-line ready courseware         | 65            |
| ▪ Flexible Instructional materials | 29            |
| ▪ Assessment tools                 | 488           |

#### Number of Virtual classrooms created and operationalized

| Virtual classrooms created and operationalized   | No. of Virtual Classrooms |
|--|---------------------------|
| <b>Graduate Student</b>                          |                           |
| ▪ Virtual classrooms created and operationalized | 4                         |
| <b>Undergraduate Student</b>                     |                           |
| ▪ Virtual classrooms created and operationalized | 25                        |

## Institute of Human Kinetics

| Instructional Materials Developed                | No. of IMs |
|--|------------|
| ▪ On-line ready courseware                       | 78         |
| ▪ Flexible instructional materials               | 300        |
| ▪ Assessment tools                               | 672        |
| ▪ Virtual classrooms created and operationalized | 78         |





# LICENSURE EXAMINATIONS TOPNOTCHERS

Licensure Examination for Agriculturists



**TOP 2**

**John Carlos D. Boyles**  
Bachelor of Science in Animal Science



**TOP 1**

**Ella Hazel B. Estrada**  
Bachelor of Science in Agriculture



**TOP 6**

**Kathleen Mae A. Auxtero**  
Bachelor of Science in Agribusiness



**TOP 4**

**Jeith Pons S. Tutor**  
Geodetic Engineering Licensure Examination



**TOP 6**

**Ruel C. Lamberte**  
Licensure Examination for  
Agricultural and Biosystems Engineers



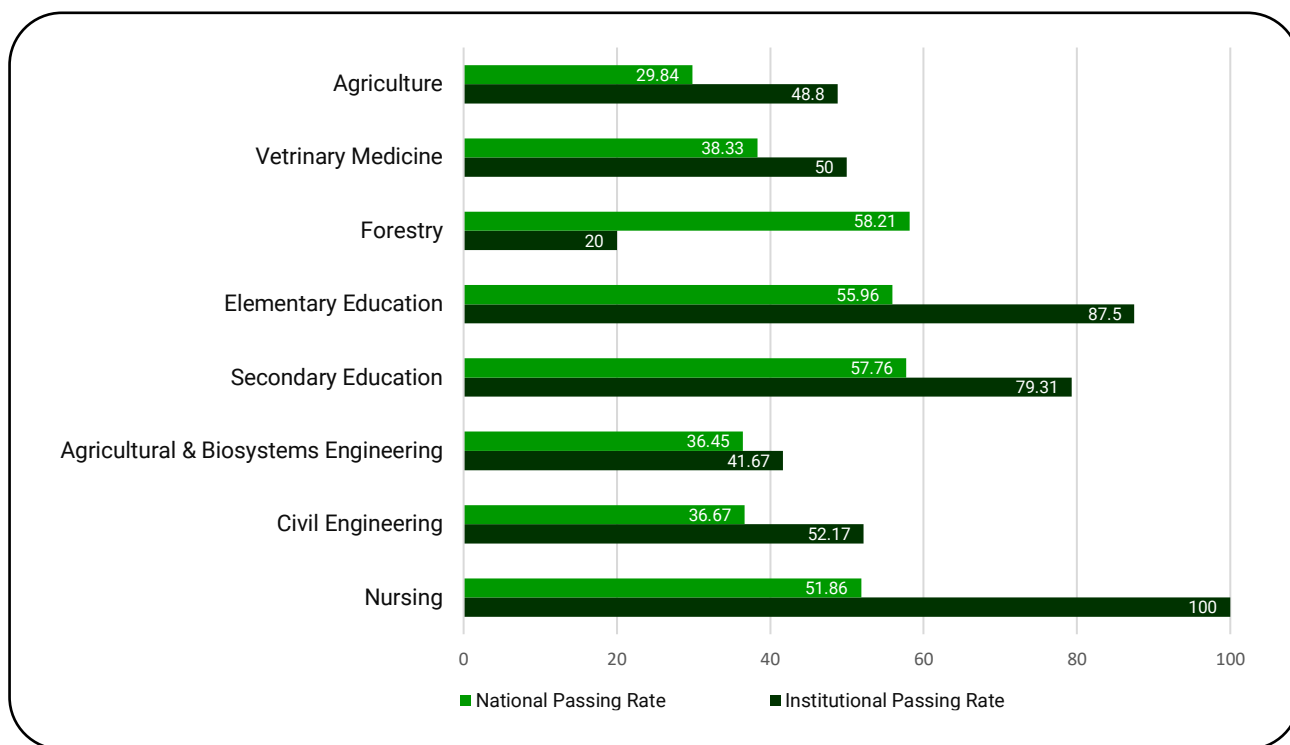
**TOP 4**

**Christian Jacob C. Espejo**  
Veterinary Medicine Licensure Examination,



# Licensure Examinations PERFORMANCE

(Figures presented are in percentage)



## FACULTY DEVELOPMENT

### SCHOLARSHIP | Faculty on study leave with scholarship

#### CHED K-12 GRANT

**Come, Warren D.**

UPLB, PhD in Animal Science

**Unajan, Magdalene C.**

Technological Institute of the Philippines,  
PhD in Information Technology

**Rola, Jude B.**

University of Liverpool  
TAPHEP Postgraduate

#### DOST-ASTHRDP-NSC

UPLB, PhD in Animal Science

**Gacutan, Manuel D. Jr.**

**Beato, Ma. Rose de Lima G.**

**Balala, Lotis M.**

UPLB, PhD Microbiology

**Gubalane, Kareen T.**

MSU-IIT, Ph.D. in Education

## **SCHOLARSHIP | Faculty on study leave with scholarship**

### **VSU SCHOLARSHIP**

**Villagonzalo, Ginás Aurea A.**  
UPLB, PhD in Animal Science

**Lesidan, Mencius B.**  
VSU, MS Agricultural Engineering

**Viscara, Maria Farah**  
VSU, MS Food Science and Technology

**Labod, Jake**  
VSU, MS in Plant Breeding and Genetics

**Sorono, Triana F.**  
UPLB, MS in Agricultural Engineering

**Bantay, Ayrton John V.**  
CIT-U, ME Mechanical Engineering  
Thermal and Fluid Systems

**Parami, Joji R.**  
VSU, MS in Education Major in English

**Abordo, Jessielyn M.**  
De la Salle University  
PhD in Criminology

**Acampado, Arian G.**  
USC, PhD in Philosophy

**Alibangbang, Maria Dulce L.**  
UP Visayas Miag-ao, Iloilo  
PhD in Fisheries

**Almanzor, Ilonah Jean**  
Western Visayas State University  
PhD in Science Education

**Noble, Angelyn L.**  
University of Baguio  
PhD in Criminology

### **DOST-ERDT**

**Cortes, Andy Phil D. — ERDT**  
UP Diliman, Masters in Civil Engineering

**Mejia, Hanzel N. - AIT & ERDT**  
AIT, PhD in Civil Engineering

UPLB, MS in Agricultural Engineering  
**Layan, Jessie James D**  
**Sinon, Feliciano L. Jr.**

**Parami, Shemer D.**  
CLSU, MS in Agricultural Engineering

### **CHED SCHOLARSHIP**

**Alviola, Ulderico B.**  
UPLB, Straight PhD  
in Development Communication

UP Diliman, Masters in Civil Engineering  
**Corrales, Jessie B.**  
**Ando. Lindy Jane**

USC, MS Mechanical Engineering Design  
and Manufacturing  
**Binueza, Jake Ernest P.**  
**Impas, Vic Angelo L.**

**Rabe, Shiela R.**  
UPLB, MS in Veterinary Physiology

**Cabalhin, Grace Angel P.**  
Silliman University,  
Ph.D. Literature Studies

**Costillas, Bon Anthony F.**  
USC, MS in Chemistry

**Genson, Fermina C.**  
USC, PhD in Biology

### **MONBUKA-GAKUSHO SCHOLARSHIP PROGRAM**

University of Hiroshima,  
PhD in Animal Science  
**Compendio, Jade Dhapnee Z.**  
**Godinez, Cyrill John P.**



## SCHOLARSHIP | Faculty on study leave with scholarship

### SEARCA

**Sales, Jude Nonie A.**

UPLB, PhD in Development Communication

**Centino, Zyra May H.**

UPLB, PhD in Agricultural Economics

**Anire, Jovannemar P.**

Wageningen University, Netherlands

MS in Plant Science

**Ongy, Elvira E.**

De La Salle University

Master in Industrial Engineering

**Ratilla, Mark C.**

Tomas Bata University

PhD in Economics and Management

**Teves, Joviel R.**

De La Salle University

PhD in Business Administration

**Preciados, Lemuel S. — ACIAR**

UQ Brisbane, PhD in Economics

**Estillore, Chelyn**

USC, MM Hospitality Management

**Bajas, Nikki Corales**

USC, MM Tourism Management

**Lao, Magnolia**

Lyceum of the Philippines

PhD in International Hospitality

**Nayre, Syrene**

Dela Salle College of Saint Benilde

MM Business Management

**Cabral, Alexander**

VSU, MM Business Management

**Sumabat, Daniel**

UP Tacloban

VSU, MM Business Management

**Dag-uman, Michael**

VSU, MM Business Management

**Tabada, Maria Aurora Teresita W.**

Ateneo de Manila University

PhD Sociology

### CHED-SIKAP SCHOLARSHIP

**Cavite, France Allan**

PhD in Nursing

**Cipres, Marieli Cherry C.**

University of Cordilleras

PhD in Criminology

**Amoto, Marjorie G. —VLIR-UOS**

Universiteit Ghent, Belgium,MS in Agro-and

Environmental Nematology

**Pradera, Carl Leonard M.**

Institute of Tropical Medicine, Antwerp, Belgium

and University of Pretoria, South Africa MS in

Tropical Animal Health (Pathology)

**Dautil, Jane P.**

Institute of Tropical Medicine, Antwerp, Belgium

and University of Pretoria, South Africa MS in

Tropical Animal Health (Pathology)

**Bello, Nick Freddy R.**

UP Visayas Tacloban College

### DOST

**Gonzales, Rizalyn P.**

UP Visayas, Iloilo

PhD in Fisheries

**Salas, Remmer A.**

UP Diliman

PhD in Chemistry

**Vivo, Jordan D.**

UP Diliman

PhD in Biology

# RESEARCH & EXTENSION

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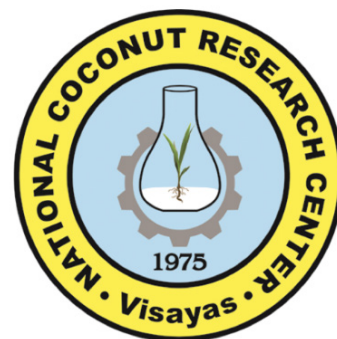




# EXTENSION SERVICES

## NATIONAL COCONUT RESEARCH CENTER

|  |              |
|--|--------------|
| persons trained in different coconut technologies                                    | 91           |
| trainings conducted food processing technologies, GAP and Baybay Tall identification | 4            |
| episodes of Lub-Dabi   | 27           |
| seedlings distributed/sold   | 1,760        |
| seednuts distributed/sold  | 2,205        |
| Makapuno meat sold   | 1,726 kg     |
| Coconut shell sold   | 8,500 kg     |
| Copra sold   | 50,964.80 kg |
| Intercrop planting materials distributed/sold  | 2,548        |
| newly conducted and developed coconut-based food products                            | 3            |



*Catch us Live at DYDC FM!*

## LUBI-DABI SA NCRC

Thursday, September 17, 2020  
2:00-3:00 PM

TOPIC:  
**Coconut Pest Management**

with  
**Dr. Maria Juliet C. Ceniza**  
NCRC-V Director

<http://dydc.vsu.edu.ph/listen-live/>

# GENERAL ADMINISTRATION

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# BUDGET UTILIZATION

## TARGETS

## ACCOMPLISHMENT

### a. Regular Agency Fund

(GAA 2021 and 2020)

100% Budget Utilization Rate - OBLIGATION

OBLIGATION

ALLOTMENT

95%

940,101,473.47

993,833,336.70

100% Budget Utilization Rate- Disbursement

DISBURSEMENT

ALLOTMENT

88%

828,505,679.05

940,101,473.47

### b. Internally Generated Income ( STF)

100% Budget Utilization Rate - OBLIGATION

OBLIGATION

ALLOTMENT

41%

140,120,031.55

345,211,407.67

100% Budget Utilization Rate- Disbursement

DISBURSEMENT

ALLOTMENT

77%

108,291,520.29

140,120,031.55

### c. Revolving Fund (IGP)

80% Budget Utilization Rate - OBLIGATION

OBLIGATION

ALLOTMENT

85%

8,199,270.62

9,595,508.90

# PROCUREMENT

|               |  |
|---------------|--|
| <b>1,003</b>  | PPMPs received, evaluated and consolidated   |
| <b>2,143</b>  | PRs received, numbered, evaluated and monitored  |
| <b>5</b>      | (1 APP, 3 Supplemental APPs)   |
| <b>53.43%</b> | of NEP   |
| <b>2</b>      | PMRs (2 <sup>nd</sup> Sem of 2020 & 1st Sem of 2021 submitted to GPPB within the deadline)                         |
| <b>2,143</b>  | PRs segregated, consolidated by nature of items and procured thru Public Bidding/Alternative Method of Procurement |
| <b>2,143</b>  | PRs  |
| <b>641</b>    | RFQs (305 system generated, 32 manual)   |
| <b>451</b>    | Abstract of Bids   |
| <b>1,053</b>  | POs/Contracts (446 AMP, 202 Bidding)   |
| <b>170</b>    | meetings   |
| <b>1</b>      | APCPI for 2020 submitted to GPPB within the deadline   |
| <b>1,182</b>  | POs/Contracts monitored for deliveries   |
| <b>1,159</b>  | vouchers prepared  |
| <b>1,249</b>  | POs/ Contracts with supporting documents   |
| <b>1,249</b>  | POs/Contracts forwarded to COA for acknowledgement   |



# INFRASTRUCTURE

## COMPLETION OF GROUND FLOOR. New Library Building



## CONSTRUCTION OF PARKING AREA AND SERVICE ROAD Innovation Building





## CONSTRUCTION OF 7 UNITS ELECTRICAL TRANSFORMER ELEVATED PLATFORMS



## CONSTRUCTION OF 7 UNITS ELECTRICAL TRANSFORMER ELEVATED PLATFORMS





## INSTALLATION OF ELEVATORS New Library and Innovation Buildings



## EXPANSION OF UNIVERSITY GYM





## COMPLETION OF COVERED COURT VSU - Villaba Campus





## COMPLETION OF COVERED COURT VSU - Isabel Campus



## REPAIR OF FACULTY AND STAFF OFFICE College of Nursing



## COLLABORATIONS



# COLLABORATIONS

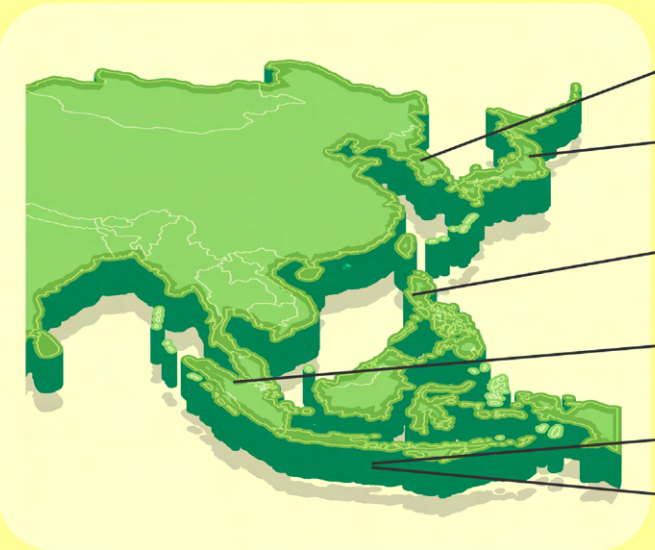
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# PARTNERS & LINKAGES











During the year, VSU forged agreement with the following agencies, institutions, and individuals for the support of the different programs of the University:

## International



|  |  |
|--|--|
|  | <b>KOICA</b><br>Korea International Cooperation Agency<br>(Korea)        |
|  | <b>ISHIKAWA PREFECTURAL UNIVERSITY</b><br>(Japan)                        |
|  | <b>KENNEMER FOODS INTERNATIONAL</b><br>(Philippines)                     |
|  | <b>ASIA CHINA EDUCATION AND CULTURE (ACEC) ASSOCIATION</b><br>(Malaysia) |
|  | <b>STIKES MALUKU HUSADA</b><br>(Indonesia)                               |
|  | <b>STIKES BINA SEHAT PPNI MOJOKERTO</b><br>(Indonesia)                   |

## National

|  |   |  |   |
|--|---|--|---|
| Commission on Higher Education (CHED)  |  | State Universities and Colleges-Association of Colleges of Agriculture in the Philippines, Inc. (SUC-ACAP, Inc.) |  |
| Philippine council for Health Research and Development   |  | PJ Lhuillier Incorporated  |  |
| Philippine Rice Research Institute (PhilRice)  |  | Bureau of Agricultural and Fisheries Engineering   |  |
| DOST-PCAARRD   |  | National Research Council of the Phil (NRCP) -DOST VI  |  |
| Department of Agriculture  |  | Ateneo De Manila University  |  |
| Members of the Southeast Asian University consortium for Graduate Education in Agriculture and Natural Resources |   | MRL Cybertec Corporation   |   |



International Rice Research Institute  
(IRRI)



Palawan Pawnshop, Inc.

Don Mariano Marcos Memorial  
State University



Philippine Statistics Association (PSA)

University of the Philippines Los Baños



Bureau of Fisheries and Aquatic Resources  
(BFAR)

Philippine Associated Smelting  
and Refining Corporation



Philippine Genome Center  
Philippine Atmospheric, Geophysical and  
Astronomical Services Administration  
(PAG-ASA)



Philippine Genome Center

#### Other National Partners

- Basey Wood Industries, Inc
- Forest Sustainability Lab program of CIVIKA Knowledge Management Solutions, Inc

## Local

- DOST-8
- DA-8
- CHED-8
- DA-ATI-8
- ATI-RTC-8
- Philippine Statistics Authority (PSA)
- Visayas Consortium for Agriculture, Aquatic and Natural Resources Program (ViCARP)
- University of San Carlos
- EVRMC
- Villa Solidaridad Farmers Association-Monterico Farmers Association
- Daja Daku Integrated Farmers Association
- Department of Trade and Industry - Leyte
- Baybay City Micro Small and Medium Enterprise Development Council
- Baybay Chamber of Commerce and Industry
- SUCs in Leyte
- University of the Philippines Visayas
- Fatima Multi-Purpose cooperative
- PASAR Foundation, Inc.
- Knights of Columbus, Tolosa, Leyte

# AWARDS

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## INTERNATIONAL AWARDS



**Best Pitch Award Special Commendation**

**SERIÑO, MOISES NEIL V.**  
Econnect Australia



## NATIONAL AWARDS

**GACUTAN, MANUEL D. JR.**  
Best Presenter of Scientific Paper  
Philippine Society of Animal Science (PSAS)

**MABALHIN, JOEL Q.**  
Luminary Excellence in Education  
& Research Awards 2021

**TEJARA, NELSON H.**  
Top 10 learners in the Smart Philippines  
through Data Analytics and R&D,  
Training and Adoption (SPARTA)

**BRIONES, IVY JINKY C.**  
**ALIBANGBANG, MARIA DULCE C.**  
Spotlight Presentation Contest Winner

## LOCAL AWARDS

**CASTIL, JUNDY R.**  
Best Paper- 3rd Placer 1st Asian Conference  
on Resource Management and Governance

**DE LOS SANTOS, JANET ALEXIS A**  
Distinguished Health Researcher Awardee  
EVHRDC, Tacloban City

**SERIÑO, MOISES NEIL V.**  
Best Paper – 2nd Place  
Northwest Samar State University

**PUNZALAN, SOFIA BEATRIZ L.**  
3rd Place and Best Presentation Award  
DOST-8 Regional Office

Regional Winner-CSC PAGASA (Group Category) Award - CSC Region-8

**JR. PEÑA, SANTIAGO T.**  
2021 Search for Outstanding  
Government Workers

**YU, ELWIN JAY V. AND USHER STAFF**  
VSU COVID Response Team  
and Certificate of Recognition to USHER

**ARPOCEPLE, DAHLIA R.**  
Best Clerk of the Year

**LIBRE, MARIA JEHAN P.**  
2021 Achiever Of Alangalang, Leyte Award

**BALOTOL, RUBEN O.**  
**CANONoy, RENE E.**  
Best Paper Award  
Societas Ethica Philosophica Inc. and Cebu Normal University

**MADEJA, MARY ANN**  
**SILVANO, BRANDON BRIGGS C.**  
**OLIMBERIO, JET LEE S.**  
Best Research Plan Pitch  
Philippine Genomic Center



# INSTITUTIONAL AWARDS

## VSU Main Campus

### Loyalty Award

Ranchez, Carlito V.  
Gumba, Policarpo C. Jr.  
Banzon, Joan Rosemarie A.  
Bartolini, Manuel C.  
Posas, Edgar P.  
Pasilaban, Noe A.  
Caintic, Jeremy S.  
Gilos, Vicente A.  
Mabuan, Jovelyn H.  
Camacho, Sheira May T.

### Health and Wellness, Grand Prize Winner

Garrido, Michael Dominic M.

### Model Utility Worker and Messenger Award

Morales, Romulo

### Poster Entry Award (ViCARP)

MBLesidan  
Marisel Leorna

### Best On-going Extension Paper (ViCARP)

CBCruz  
Marisel Leorna  
Maria Juliet Ceniza  
Eutiquio Sudaria  
Edralin Malasaga  
Jeremias Vestra  
Jerrel Ann Lagitao  
Maria Farah Viscara  
MBLesidan

### Best on Going Paper – 1st Place (ViCARP)

Seriño, Moises Neil V. , Gabunada, Fe M., Recto, Ana Liza

## VSU Isabel Campus

### Meritorious Award

Chan, Catherine L.  
Monserate, Nolan Federico T.  
Galler, Emely A.

### Loyalty Award

Ablen, Editha J.  
Aquiles, Susanie B.  
Daffon, Catherine C.  
Gontiñas, Climaco S.  
Ramos, Fe Daphney C.  
Sumaling, Gerry G.

### Outstanding Performance Award

Ablen, Editha J.  
Abrahan, Florabel V.  
Bregildo, Gilberto S.  
Eli, Danilita C.  
Galler, Emely A.  
Gonzaga, Sharymae R.  
Hermoso, Angelyn F.  
Mabini, Divinagracia M.  
Morales, Gary T.  
Pales, Joy B.  
Ramos, Fe Daphney C.

## VSU Villaba Campus

### Service Award

Romero, Gavino E.

### Loyalty Award

Libre, Maria Jehan P

## VSU Tolosa Campus

### Best Administrative Support Staff (Collecting Officer) of the Year

Dalino, Melona E.

### Best Administrative Support (Supply Officer) of the Year

Delos Santos, Gaylieza F.

### Model Budget Aide

Ladrera, Analisa

### Model Clerk of the Year

Ocaña, Freddie Luz P.

### Model Utility Worker of the Year

Bacoto, Ian Ray  
Raagas, Jonathan Dave E.

### Service Award

De la Cruz, Luzviminda A.

### Outstanding Teacher and Loyalty Award

Jocson, Teresita C.

### Best Academic Non-teaching Staff

Redubla, Crystal Loren G.

### Exemplary Unit Head of the Year

Peneda, Marilou B.





## INTERNATIONAL

### **LIAO, KATE ASHLEY**

Online Solo Ukulele Competition 2021  
(4th Malaysia Ukulele Festival)

### **FRANCHESKA TERESE C. MATIGA**

#### **PAUL VINCENT L. FORNIS**

Delegates  
Online Summer School Program  
Masaryk University - June 2021

Asian Institute of Technology, Thailand

**Lague, Ma. Nelia** – Best Research Presentation

**Cabagnot, Piolo Julius** – Winner in Mini Project Presentation Competition

**Yap, Meagan Kaye** – Champion Mini Project Presentation

**Plimaco, Patrick Ian Taganas** – 3rd placer in GIS Map Making and 3rd placer in Epicollect GeoApp Map

**Dalagan, Arnie Marisse** – 2nd placer in GIS Map Making

**Dalagan, Arnie Marisse** – 1st placer in Epicollect GeoApp Map

## NATIONAL

### **ESTRADA, HAZEL B.**

1st Placer, Licensure Examination for  
Agriculture - November 2021

### **TUTOR, JEITH PONS S.**

Top 4 PRC Distinction Award  
4th Placer, Geodetic Engineering  
Board, December 2021

### **BOYLES, JOHN CARLOS D.**

2nd Placer, Licensure Examination for  
Agriculture - November 2021

### **ESPEJO, JACOB CHRISTIAN CALAMBA**

4th Placer, Veterinary Medicine Licensure  
Examination, February 2021

### **AUXTERO, KATHLEEN MAE E.**

7th Placer, Licensure Examination for  
Agriculture - November 2021

### **LAMBERTE, RUEL C.**

6th Placer, Licensure Examination for  
Agricultural and Biosystems Engineering  
September 2021

### **ALLEN GLEN C. GIL**

Most Outstanding  
Agricultural and Biosystems  
Engineering Student for 2020 -  
Young Maramba Award  
70th PSABE National Convention  
April 2021

### **PUNZALAN, SOFIA BEATRIZ L.**

3rd Place and Best Presentation Award  
Outstanding Student Creative Research  
Regional Invention Contest and Exhibits  
DOST - TAPI

### **IVY JINKY C. BRIONES**

Spotlight Presentation Contest - Best Paper  
9th Fisheries Scientific Conference (FishSciCon) -September 2021

## LOCAL

### **NOYA, NATHANIEL C. VITOR, NINO JOHN C.**

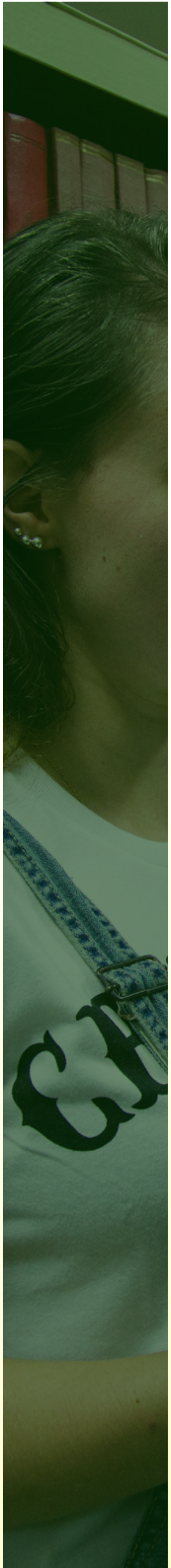
Winners of the Essay Writing Contest  
Visayas Economic Conference by the Philippine  
Economics Society (PES),  
August 2021

### **DEMAKALING, ISMAEL V. NARRA, MELVIN T.**

Winners of the Young Farmer Challenge:  
Kabataang Agribiz

# PUBLICATIONS

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# Papers Published in **PEER-REVIEWED JOURNALS**

- Acob, J.R.U.** An integrative review on patient satisfaction measuring tool for physiotherapy care among clients in the outpatient department. 06 July 2021/ Pakistan Journal of Rehabilitation
- Acob, J.R.U., Arifin, H. and Dewi, Y.S.** Depression, anxiety and stress among students amidst COVID-19 pandemic: a Cross sectional study in the Philippines. 01August 2021/ Jurnal Keperawatan Padjadjaran
- Aure, M.R.K.L. and Casinillo, L.F.** Assessment Of Psychological Test Results of Freshmen Education Students
- Casas-Vila, N., Pickford, A. K., Portugaliza, H. P., Tintó-Font, E., & Cortés, A. (2021).** Transcriptional analysis of tightly synchronized *Plasmodium falciparum* intraerythrocytic stages by RT-qPCR. In *Parasite Genomics* (pp. 165-185). Humana, New York, NY.
- Casinillo, L.F., Casinillo, E.L. and Aure, M.R.K.L** Economics Of Happiness: A Study On Determinants Among Employees of Visayas State University (2021)
- Colendres, RJB and Pradera, CLMP. (2021).** In vitro activity of Indian almond (*Terminalia catappa*) leaf crude extracts against selected dermatophytes. *Annals of Tropical Research* 43(1), 55-66
- Compendio, JDZ, and Nishibori, M.** Philippine Red Junglefowl: A separate *Gallus gallus* subspecies or not? *Journal of Animal Genetics*. Vol 9, pp. 41-47 2021
- Gacita, HDL and Balala, LM. (2021).** Antibacterial screening of *Kyllinga nemoralis* (Hutch and Dalz) ethanolic rhizome extract. *Journal of Ecosystem Science and Eco-Governance*, 3(2):9-17
- Gacutan, M.D. Jr., Merca, F.E., Bautistat, J.A.N., Sulabo, Sulabo, R.C., Del Barrio, and A.N., Angeles, A.A.** Chemical Composition, Agronomic Characteristics, and Cost of Corn (*Zea mays* L.) Sprouts as Animal Fodder. *Philipp J Vet Anim Sci*. Vol. 47, No.1 2021
- Godinez, C.J.P., Dadios, P.J.D., Espina, D.M., Matsunaga, M., and Nishibori, M.** Population genetic structure and contribution of Philippine chickens to the Pacific chicken diversity inferred from mitochondrial DNA. *Frontiers in Genetics*. Vol. 12, 698401(2021)
- Labrague, L.J., De Los Santos, J.A.A. and Fronda, D.C.** Factors associated with missed nursing care and nurse-assessed quality of care during the COVID-19 pandemic. 29 September 2021/ *Journal of Nursing Management*
- Labrague, L.J., De los Santos, J.A.A., and Fronda, D.C.** Perceived COVID-19-associated discrimination, mental health and professional-turnover intention among frontline clinical nurses: The mediating role of resilienc. December 2021/ *International Journal of Mental Health Nursing*
- Labrague, L.J and de Los Santos, J.A.A.** Resilience as a mediator between compassion fatigue, nurses' work outcomes, and quality of care during the COVID-19 pandemic. October 2021/ *Applied Nursing Research*
- Martiningsih, W., Winarni, S., Acob, J.R.U., Baua, M.E. and Nugroho, H.** Transactional Self Care and Empathy Theory in Nursing (A Perspective) 17 November 2021/ *Macedonian Journal of Medical Sciences*
- Lumain, J.P.L., Moncada, N.P. & Bagot, M.A. (2021).** *Setaria* from the Peritoneal Cavity of Slaughtered Cattle in Leyte, Philippines (Research Note). *Philippine Journal of Veterinary Medicine*. College of Veterinary Medicine, University of the Philippines, Los Baños. 58(2), 219-223.
- Mercken, E., Van Damme, I., Šoba, B., Vangeenberghe, S., Serradell, A., Lumain, J. P. L., & Gabriël, S. (2021).** High occurrence of *Anisakidae* at retail level in cod (*Gadus morhua*) belly flaps and the impact of extensive candling. *Food and Waterborne Parasitology*, 22, e00108.
- Mollejon, R.V.** Double hop dominating sets in graphs. *Discrete Mathematics, Algorithms and Applications*. October 2021
- Monsanto, G.B.** Resolving Restrained Domination in Graphs. *European Journal of Pure and Applied Mathematics*. July 2021
- Monsanto, G.B.** Movable Resolving Domination in Graphs. *Discrete Mathematics, Algorithms and Applications*. September 2021

- Peña, S. T., Stone, F., Gummow, B., Parker, A. J., & Paris, D. B. (2021). Susceptibility of boar spermatozoa to heat stress using in vivo and in vitro experimental models. *Tropical Animal Health and Production*, 53(1), 1-10.
- Saudah, N., Lestari, I., Lukita, C.P.D., Xillehu, S., Acob, J.R.U. The Effectiveness of Virgin Coconut Oil on the Decrease of Blood Glucose Levels on Gestational Diabetes Mellitus. 15 December 2021/ *Jurnal Ners dan Kebidanan (Journal of Ners and Midwifery)*
- Sukartini, T., Arifin, H., Kurniawati, Y., Pradipta, R.O., Nursalam, N. and Acob, J.R.U Factors Associated with National Health Insurance Coverage in Indonesia. 14 July 2021/ *F1000 Research*
- Vistal, P.P., Macasait, D. Jr., Espina, D.M. *Journal of Agricultural Research, Development, Extension and Technology* Vol. 3, No.1 2021
- Wardiono, K., Dimiyati, K., Nugroho, K.K., Nugroho, H., Acob, J.R.U. and Budiono, A. Philosophy, Law, and Ethics of Handling COVID-19 Pandemic in Indonesia. 12 November 2021/ *Macedonian Journal of Medical Sciences*
- Yusuf, A., Acob, J.R.U. Tristiana, R.D., Nafisa, I.F., Putri, V.S., Kotijah, S., Solikhah, F.K. and Aditya, R.S. What are the challenges of treating mentally impaired patients in the era of a pandemic?: Qualitative exploration of caregiver. 06 June 2021/ *Research Square*
- Ycong, H.G, Barredo, B.S., Mamolo, L.A. Effects of Peer Tutoring to The Learning Outcomes in Exponential Expressions of Grade 8 Students

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## BOOKS PUBLISHED

The Noli Me Tangere Novel: An Instructional Model for Teaching by Dr. Joel Q. Mabalhin  
 Introduction sa Pag-aaral ng Wika (Pandalubhasaan) by Dr. Joel Q. Mabalhin  
 Panimulang Lingguwistika (Pandalubhasaan) by Dr. Joel Q. Mabalhin







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## **2021 VSU ANNUAL REPORT**

PRODUCTION TEAM

|                              |  |
|------------------------------|--|
| Consultant                   | Dr. Edgardo E. Tulin<br>Dr. dilberto O. Ferraren |
| Production Supervisor/Editor | Dr. Ulderico B. Alviola<br>Jed Asaph B. Cortes   |
| Data Consolidation           | Shanette Joy Vivien C. Amador                    |
| Cover Design and Layout      | Paul Vincent L. Fornis                           |



### **VISION**

A globally competitive university for science, technology, and environmental conservation.

### **MISSION**

Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

