



# 2020 ANNUAL REPORT

A PREMIERE UNIVERSITY IN A GLOBAL COMMUNITY



# Transmittal Letter

# Executive Summary



# NUEVA VIZCAYA STATE UNIVERSITY

## VISION

NVSU a premier university in a global community.

## MISSION

To develop an empowered, productive, and morally upright citizenry through high quality, innovative, and relevant instruction, research, extension, and entrepreneurship programs adhering to international standards

## GOALS

### Goal 1. Advanced Education and Higher Education Services

To adapt and address itself as a functional learning center for innovative programs as a model institution and enabling its graduates to be empowered & globally competitive through the provision of undergraduate & graduate education which meets international standards of quality & excellence

### Goal 2. Research & Development and Extension

To generate, verify, package, and promote better and new technologies for adoption and commercialization

### Goal 3. Business Affairs and Resource Generation

To interface the academic, research, development, and extension and administrative systems and services for viable income generating projects/livelihood programs

### Goal 4. General Administrative and Support Services

To deliver responsive, relevant, and quality services by ensuring the highest level of clientele satisfaction and complying with ethical and regulatory standards

## CORE VALUES

**A – Academic Excellence:** Delivery of high quality, innovative, and relevant instruction and acquisition of globally competitive skills

**C – Cultural Diversity:** Equitable access to education for students/clients of diverse ethnic identities and sustained commitment to nourish indigenous cultures

**T – Technological Advancement:** Continuing innovations for enhancing resource utilization and management towards improved and harmonious living conditions

**S – Social Responsibility:** Initiatives and priorities in contributing global expertise to create positive impact on the University's service areas to attain the highest standards of organizational citizenship

## Quality Policy

The Nueva Vizcaya State University, a premier university in a global community, is committed to create a harmonious and improved standard of living through equitable access to quality education, research, extension, and training.







# ACADEMIC AFFAIRS



## Enrolment Profile

Enrolment for the 1<sup>st</sup> semesters covering school years 2019-2020 and 2020-2021 were 10,482 and 11,970, respectively. There is an increase of 6.62 percent increase in the enrolment data. This is a reflection that despite the pandemic situation that hampered the face to face teaching-learning system of the country, the desire of the students to pursue their respective degrees is still a priority.

CAMPUS	TOTAL NUMBER OF ENROLLEES					
	1 <sup>st</sup> SEMESTER 2019-2020			1 <sup>st</sup> SEMESTER 2020-2021		
	TER-TIARY	GRADU-ATE	TOTAL	TERTIARY	GRADU-ATE	TOTAL
BA-YOMBONG	6143	724	6867	7006	510	7516
BAMBANG	3289	326	3615	4130	324	4454
<b>TOTAL</b>	9432	1050	<b>10,482</b>	11,136	834	<b>11970</b>
% Increase						<b>6.62%</b>

## Graduation Profile

For the year in review, the University produced a total of 1,292 graduates, 1,234 in tertiary level and 58 in the graduate level. These graduates are now ready to find or begin their respective career paths. Likewise, completing advanced education programs are ready to expand their professional skills or aspire for higher positions in their respective workplaces.

CAMPUS	TOTAL NUMBER OF ENROLLEES 2020		
	TERTIARY	GRADUATE	TOTAL
BAYOMBONG	857	50	907
BAMBANG	377	8	385
<b>TOTAL</b>	1234	58	<b>1,292</b>



## Instructional Delivery System: Initiatives to Adopt to the New Normal



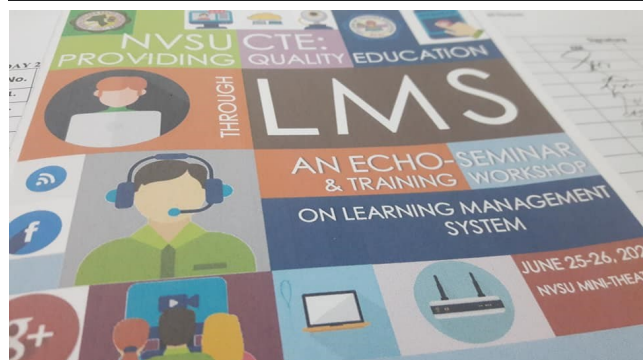
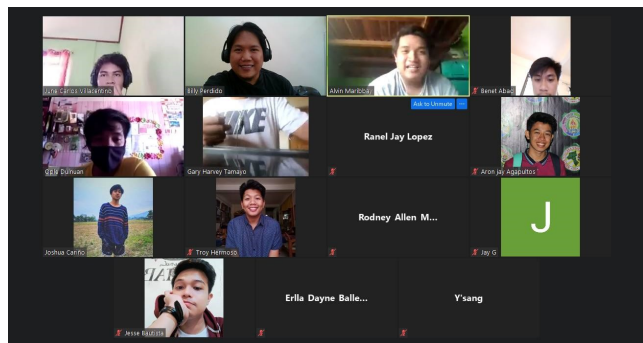
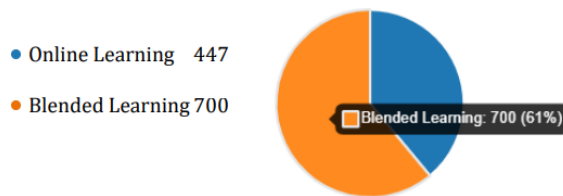
Mid of 2<sup>nd</sup> semester SY 2019- 2020, COVID-19 pandemic disease threatened the whole academic community worldwide, that led to the forced closure of all schools at all levels . As such the University formulated plans and strategies to implement flexible learning based on the advisories and guidelines issued by the Commission on Higher Education (CHED).

- The NVSU COVID-19 Academic Guidelines and Catch Up Plan (Appendix A) for the Second Semester, AY 2019-2020, including its internal rules and regulations which guided the faculty members complete the semester even in the absence of a face to face academic activities.
- A Learning Continuity Plan which composed the Flexible Learning Strategies of the Nueva Vizcaya State University was approved by the NVSU Board of Regents under Resolution Number 43, s.2020
- Prior to the start of the 1<sup>st</sup> Semester SY 2020-2021, seminar-workshops on Blended Learning Through Learning Management System with the theme, “Adapting to Varied Learning Modalities during COVID – 19” were conducted on May 28 and June 1, 2020, at the Bayombong Campus and June 9 & 11, 2020, at the Bambang Campus. These activities were conducted to fully equip the faculty members with the necessary skills in using appropriate and effective platforms of learning management systems (LMS).



- Conducted survey on the preferred learning modalities of the students, as a result, faculty members made use of a combination of printed modules, videos, PowerPoint presentations, PPT with voice over, lesson pitches in Messenger Chat, and images with captions (substituting laboratory specimens). There were also few who conducted virtual classes especially to small classes and has access to the internet, and the graduate school.
- Complied with all the requirements of the CHED such as submission of GANTT chart that include periodic submission of survey forms on the implementation of flexible learning program for the First Semester, AY 2020-2021.
- For students who preferred modules for their learning materials, the University forged a memorandum of agreement with the Department of Education – Schools Division Office of Nueva Vizcaya with elementary schools in various municipalities of Nueva Vizcaya as drop-off points for the distribution of the Learning Modules and pick-up points of course requirements of the students of the NVSU for the First Semester, Academic Year 2020-2021.

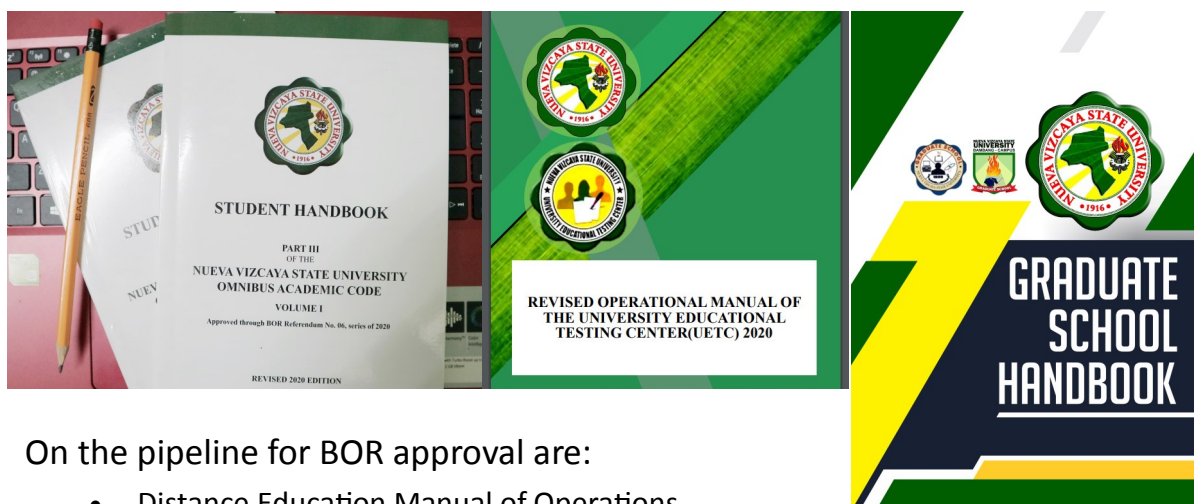
### ALTERNATIVE MODALITY OF LEARNING PREFERRED BY THE RESPONDENTS





## On Policies

The NVSU Student Handbook, Revised edition is finally approved and now bears BOR Res. No. 06, S.2020.



On the pipeline for BOR approval are:

- Distance Education Manual of Operations
- ETEEAP Manual of Operations
- NSTP Manual of Operations
- Revised Manual of Operations of the University ETC
- Proposed Amendments to the University Supreme Student Council Constitution and By-Laws
- NVSU Faculty Institutional Promotion Guidelines
- Revised Graduate School Handbook 2020

## Academic Centers and Colleges

- Renaming of the Center for Alternative Education to Center for Distance Education (CDE)
- Establishment of the Center for Expanded Tertiary Education Equivalency and Accreditation Program (CEETEEAP)
- A proposal to change the name of the College of Forestry to the College of Forestry, Environment and Resources Management (CFERM) was approved in the Academic and Administrative Council for the endorsement to the University's Board of Regents early next year. Likewise, the two councils also approved the revision of the Bachelor of Science in Environmental Science (BSES) curriculum. Both changes were recommended by the BSES Technical Panel that evaluated the BSES program for Certificate of Program Compliance (COPC) on August 5, 2020



## Faculty Development and Welfare

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On Promotion and Hiring. The table below shows the granting of appointments to faculty, three were given original appointment, 60 were reappointed temporary, five were given permanent items, five were promoted and seven were reemployed.

Status	Number of Faculty
Original Appointment	3
Reappointment (Temporary)	60
Reappointment (Temporary-Permanent)	5
Promotion	5
Reemployment	7

Three new faculty members hired with plantilla positions

- Dr. Jane Bacani, Assistant Professor, College of Agriculture
- Mr. Emmanuel Danguilan, Instructor, College of Arts and Sciences
- For. Rogelio Pascua, Assistant Professor, College of Forestry



- Seventy-seven and 48 faculty members of Bayombong and Bambang Campuses, respectively were reclassified during the NBC 461 7<sup>th</sup> Cycle Promotion. Five of them are promoted to the position of professor

## Faculty Staff and Development

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For this year, six and nine faculty members completed their master's and doctoral degree programs respectively. Four new faculty were sent to pursue their respective advanced degree programs, three among these had been accepted in international universities.





## TRAININGS/ SYMPOSIA/ FORA ATTENDED BY FACULTY

Numerous faculty members were able to attend trainings/seminar-workshops/consultative meetings and other fora through the web or zoom. Likewise, expertise of several faculty members was tapped and served as assessors, facilitators and speakers in local, regional and national webinars

TRAININGS/ SYMPOSIA/ FORA ATTENDED BY FACULTY				
BAMBANG CAMPUS				
Title of Activity Attended	Participant/s	Inclusive Date/s	Host Organization/s	Venue
<b>College of Arts And Sciences</b>				
Seminar – Workshop on Blended Learning Through Management System	All CAS Faculty	July 6-7, 2020	Nueva Vizcaya State University	NVSU Bambang E-Laboratory Engineering Building 3F
Workshop on Microsoft Teams and development of Instructional Materials	All CAS Faculty	August 5-6, 2020	Nueva Vizcaya State University	NVSU Bambang E-Laboratory Engineering
<b>College of Engineering</b>				
Training on Republic Act 9184 and It's IRR and Capacity Development for Procurement Practitioners	Jane P. Agbanlog Keziah Ann V. Rosini	March 3 -6, 2020		Bohol Tropics Hotel, Tagbilaran City
Seminar Workshop on Certification and accreditation System for Engineering Education	Ryan Victor D. Bautista	February 25-27, 2020		
Training on Republic Act 9184 and It's IRR and Capacity Development for Procurement Practitioners	Ryan Victor D. Bautista	March 3 -6, 2020		
Year-End Policy Development Report: A Forum on Higher Education Policies	Maria Teresa M. Costales	December 9, 2020		NVSU-Mini Theater, Bayombong, Nueva Vizcaya



Consultative Training-Workshop on College Admission Online Testing & Faculty Evaluation Performance Revision	Maria Teresa M. Costales	November 19,2020		
Online Training on Social Media Marketing of the ICT and Competency Development Bureau	Keziah Ann V. Rosini	May 19, 2020		
Learn to Code: HTML for Beginners Computer Networking Essential Webinar	Keziah Ann V. Rosini	May 15,2020		
<b>College of Industrial Technology</b>				
Faculty Evaluation	ALL HM Faculty	February 24-March 6, 2020	HRM Department	CBA Rooms
Mikrotik Academy Trainer's boot Camp	Dennis Hope R. Directo	March 10 – 13, 2020	PSITE NVSU	NVSU Bayombong, Nueva Viz-
Seminar-Workshop on Blended Learning through Learning Management System	All Faculty	June 9-10, 2020 July 15-16, 2020	NVSU	NVSU Bambang
Workshop on Microsoft Teams and Development of Instructional Materials	ALL CIT Faculty	August 10-11, 2020	NVSU	NVSU Bambang
18 <sup>th</sup> Youth Congress on Information technology	Vernyll Jan Asis	December 13, 2020	Up System Information technology	Online
Data Driven Governance	Vernyll Jan Asis	December 7-	DICT	Online

Orientation on Convergence Initiative on Tourism Education and Discussion on Flexible Learning Strategies on Key Areas of Tourism and Hospitality Management	All HM Faculty	November 25, 2020	CHED R02	Virtual Platform
Training on Floristry and Table Skirting	Ermelinda P. Depayso Dondon T. Dagdag	November 18-19, 2020	NV TESDA	Kayapa, Nueva Vizcaya
Training on Bread and Pastry	Ermelinda P. Depayso	November 25-	NV TESDA	St. Luis Beltran
Training on Food and Beverage Services	Marvin Jay A. Tagnong	December 7-9, 2020	NV TESDA	Tam-an Resort
Meeting of Deans and Program Chairs of Hospitality and Tourism Management Programs	Dr. Evangeline C. Remolazo	December 14, 2020	CHED R02	Virtual Platform
Regional Engineering, Architecture and Technology Cluster Meeting via Zoom	Dr. Evangeline C. Remolazo All BSIT Department Chairs	December 17, 2020	CHED R02	Virtual Platform
Basic Customer Services Training	Joan M. Nebrida	November 4 & 5, 2020	Nueva Vizcaya Provincial Tourism Office	Virtual Platform
Training on Coffee Cupping, Grading and Tasting	Joan M. Nebrida	December 17-18, 2020	NVSU College of Human Ecology Bayombong	Virtual Platform
<b>College of Teacher Education</b>				
Web-based seminar on Research Publication	Lovella G. Velasco Elma P. Apostol Fitzgerald L. Fabelico Jenifer Raymond R. Tallungan Rodney T. Cajimat Jennylin B. Carreon	July 28-29, 2020	Isabela State University	

KKK-COVID 19 1: Pag-iwas sa Sakit sa CCPanahon ng COVID 19	Jennylin B. Carreon	April 17, 2020	Institute of Philippine Culture, School of Social Science, Ateneo De Manila University	
KKK-COVID 19 2: Ano ang Impeksyon (Infection) at Paano Ito Maiiwasan?		April 22, 2020		
Mahirap maging Mahirap: How are the poor coping with COVID-19?	Jennylin B. Carreon	April 21, 2020	Institute of Philippine Culture, School of Social Science, Ateneo De Manila University	
PeLS Webinar Series 2020: Transforming for Impact	Jennylin B. Carreon	April 24, 2020	Philippine eLearning Society	
COVID19 and Me 6: Implications of the Pandemic and the Disease Control Measures to the Health System and Society P2	Jennylin B. Carreon	April 28, 2020	Institute of Philippine Culture, School of Social Science, Ateneo De Manila University	
COVID19 7: Changing Health Belief Models and Behaviors	Jennylin B. Carreon	April 30, 2020	Institute of Philippine Culture, School of Social Science, Ateneo De Manila University	
The Fight Against COVID-19: Experiences from Selected ASEAN Countries Part 1: Thailand and the Philippines	Jennylin B. Carreon	May 6, 2020	Institute of Philippine Culture, School of Social Science, Ateneo De Manila University	

COVID19 8: Changing Health Belief Models and Behavior Part 2	Jennylin B. Carreon	May 8, 2020	Institute of Philippine Culture, School of Social Science, Ateneo De Manila University	
BIOTA Philippines CoQ Webinar 5: "Intra-/Inter-tumor heterogeneity and phenotypic readouts of non-hotspot mutations identified in Filipino late- and young-onset sporadic colorectal cancer patients"	Jennylin B. Carreon Rodney T. Cajimat	July 25, 2020	BIOTA-DLSU	
Publishing in High Impact Journals	Jennylin B. Carreon	September 9, 2020	DOST - NRCP	
69 <sup>th</sup> Annual Convention of the Philippine Association for the Advancement of Science and Technology (PhilAAST): Science Technology Innovation as Drivers of Growth in the Regions.	Jennylin B. Carreon	September 9-11, 2020	PhilAAST	
Elsevier South East Asia Publishing Workshop: An Introduction to Scholarly Publishing	Jennylin B. Carreon	October 6, 2020	Elsevier South East Asia	
1 <sup>st</sup> International Research Conference on Computing, Engineering, Business, Science and Education (IRCCEBSE)	Jennylin B. Carreon	October 28-29, 2020	University Professional Development Training Institute - Isabela State University	
Distance Education Readiness, and Quality Assurance in Open and Distance e-Learning	Rodney T. Cajimat	March-April 2020 (16 hours)	University of the Philippines Open University	Open University Student
NRCP Annual Scientific Conference & 87th General Membership Assembly	Rodney T. Cajimat	June 30, 2020	DOST-NRCP	

DLSU-LIDER-ARTIST-ARAL Webinar: Conducting Action Research in the New Normal using PDSA Model	Rodney T. Cajimat	August 17, 2020 September 7, 10, 21, 2020 October 8, 22, 2020 Dec 3, 10, 2020	De La Salle University	
PhilFruits General Assembly	Rodney T. Cajimat	October 20, 2020	PhilFruits Association	
Partnership between Higher Education and Agriculture: Developing a culture of excellence in research, teaching, and extension	Rodney T. Cajimat	October 23, 2020	Fulbright Philippines Agriculture Alumni Association	
Basic Scanning Electron Microscope (SEM) Operation	Rodney T. Cajimat	November 10, 2020	NVSU Bayombong	
2020 Future Science Leaders' Forum	Rodney T. Cajimat	November 17-19, 2020	NAST PHL	
NRCP Division I R&D Workshop: Research Proposal Packaging and Checking of Forms	Rodney T. Cajimat	December 16, 2020	NRCP-Division I R&D Committee	Chair, Division I R&D Committee
DLSU-BIOTADLSU-ARTIST Webinar: Asynchronous and Non-Internet Based Instructional Techniques for Remote Learning	Rodney T. Cajimat	December 17, 2020	BIOTA-DLSU	Speaker
<b>BAYOMBONG CAMPUS</b>				
<b>Title of Activity Attended</b>	<b>Participant/s</b>	<b>Inclusive Date/s</b>	<b>Host Organization/s</b>	<b>Venue</b>
<b>COLLEGE OF AGRICULTURE</b>				
Training-Workshop On Designing & Developing Instructional Materials (IM)	Rodelia C. Non	Feb. 7-9, 2020		Boracay Island, Malay Aklan



Progress And Completion Review Of Bar-Funded Projects Under HVCDP	Jonar I. Yago	Feb. 12, 2020	DA-BAR	Diliman, Quezon City
Two-Day Foundation Cause On Intellectual Property (IP)	Blesila R. Ramos	Feb. 20-21, 2020	DOST-PCAARRD	Malate, Manila
Technical Meeting For Intellectual Capital Development Program	Jonar I. Yago	Feb. 24, 2020		Diliman, Quezon City
Semi-Annual Review For IP-TBM Operations For 16 Consortia Member Agencies	Blesila R. Ramos	Feb. 27-28, 2020	DOST-PCAARRD	Makati City
PFAA Board Directors Meeting	Jonar I. Yago	Mar. 3, 2020	PFAA	Taguig City
SUC Product Expo.	Imelda V. Iglesias	Mar. 9-11, 2020	CHED	Quezon City, Manila
National Training And Workshop For Sports Coaching, Particularly In Basketball, Volleyball, Taekwondo, Karatedo, Arnis And Swimming	Daisybelle K. Pilas Lai Lanie A. Cungihan Ventura C. Chinaman	Mar. 10-12, 2020	PSC	Ermita, Manila
The Art Of Success 2020 State Universities And Colleges Expo Innovation-Passion Connection	Imelda V. Iglesias Maribel S. Bacena	Mar. 9-12, 2020		Trinoma Mall, Ayala, Manila
Basic Patent Information Search & Claim Drafting Course	Blesila R. Ramos	Mar. 9-13, 2020		Taguig City
Fundamentals of Animal Nutrition and Feed Formulation	Ventura C. Chinaman	Sept. 1-2, 2020	US Soybean Export Council	Zoom
SOLVE the Unrealized Potential of Animal Biotechnology	Ventura C. Chinaman	Oct. 7, 2020	SEARCA	Zoom
<u>Capability Enhancement And Online Training Among SUCs Faculty Of Agriculture And Agriculture Related Disciplines</u>	Daisybelle K. Pilas Lai Lanie A. Cungihan Ronald M. Gapuz Manolo T. Valdez Agustin B. Lunag Blesila R. Ramos Rodelia C. Non Ferdinand B. Arcala Aldwin D. Pablo Wilfredo A. Dumale, Jr.	Oct. 12-16, 26-27, 29-30, 2020	SUC-ACAP	Zoom

Training Workshop On The Packaging Of Collaborative Research Proposals	Ventura Chinaman	Nov. 5, 2020	CHED-PCARI	Zoom
Innovation, Incubation And Agripreneurship: The Way Forward Post Pandemic	Daisybelle K. Pilas	Nov. 7, 2020	PAEDA PAA Academy En- trepreneurs Australia	Facebook Live
Nurturing Wellness For In-creased Organizational Per- formance	Jane B. Bacani	Nov. 11, 2020	DAP-CFG- OMO	Zoom
Enhancing Capacity On Fi- nancial Management Of PCAARRD-Funded Projects Towards An Effective Pro- ject Financial Monitoring	Elbert A. Sana Agustin B. Lunag	Nov. 18- 19, 2020	PCAARRD	Zoom
S & T Agri-Aqua Biotech Applications for the Im- provement of Environment and Economy	Ventura C. China- man	Nov. 25, 2020	DOST- PCAARRD	Facebook Live
Symposium on Welfare in Aquaculture (SWELA20)	Ventura C. China- man	Nov. 26, 2020	Swansea Uni- versity	Zoom
ATI 33rd Anniversary	Imelda V. Iglesias	Jan. 30, 2020	DA-ATI	San Mateo, Isabela
Consultative Meeting On The Implementation Of Young Agripreneurs Loan Program (YALP) Micro And Small Agribusiness Loan Program (MSALP), And Pro- vincial & Fishery Extension Service (PAFES)	Daisybelle K. Pilas	Jan. 31, 2020	DA-R02	DA R02, Tuguegarao City

Training-workshop on Introduction and Advanced GIS and other Geospatial Technologies	Ventura C. Chinaman	Feb. 4-6, 2020	Isabela State University-Geomatics	NVSU
Meeting/Workshop On Sweet Abulug Pomelo	Elbert A. Sana Jonar I. Yago	Feb. 7, 2020		Abulug, Cagayan
Technology Updates On Organic Agriculture (OA) For Local Technical Committee	Manolo T. Valdez	Feb. 24, 2020	DA	San Mateo, Isabela
Training On Organic Agriculture Production For Agricultural Extension Workers In Region 02	Manolo T. Valdez Delony A. Ugali	Mar. 24-28, 2020	DA-R02	San Mateo, Isabela
Year-End Regional Agricultural & Fisheries Extension Network (RAFEN) Meeting	Maribel S. Bacena	Dec. 16, 2020	RAFEN	Malasin, San Mateo, Isabela
CVM Review And Assessment Performance For 2019; Strategic Planning For SY 2020-2021 And Team Building	Jane B. Bacani	Feb. 13-14, 2020	CVM	Dinadiawan, Aurora
Seminar-Workshop On Blended Learning Management System Cum Training Design	All Faculty	May 28-29, 2020	NVSU	NVSU-Bayombong
Training on Republic Act 9184 and its IRR and Capacity Development for Procurement Practitioners	Ventura C. Chinaman	Mar. 3-6, 2020	NVSU	Blue Coast Beach Hotel, Sta. Ana, Cagayan
Module Preparation Writeshop	All Faculty, College of Agriculture	Oct. 21, 2020	NVSU-Testing Center	NVSU
<b>College of Arts And Sciences</b>				
Webinar on Outcomes-Based Quality Assurance and Online Accreditation	Filemon A. Pamittan	December 15-18, 2020		.AACCUP, Quezon City
An International Webinar on Srinivasa Ramanujan His Life and his Work (Number Theory)	Richard J. Taclay	December 16, 2020		KPRIET

22nd Regular Business Meeting	Karen D. Taclay	December 15, 2020		Regional Statistics Committee Region 2
Pioneering Intellectual Property Programme (PIP) ASEAN Young Researchers Fellowship	Lori Shayne A. Busa	December 9, 2020		Online (Virtual)
Fundamentals of Data Analytics in Collaborative Research	Richard J. Taclay	December 3, 2020		CHED-PCARI
"Baguio City COVID-19 Updates: A Visual Exploratory Data Analysis (V-EDA) Approach"	RichardJ. Taclay Karen D. Taclay Eden Salaguste	December 2, 2020		UP Baguio
Pioneering Intellectual Property Programme (PIP) ASEAN Young Researchers Fellowship	Lori Shayne A. Busa	December 1, 2020		Online (Virtual)
Future Science Leaders Forum (FSLF): Gathering of Past FSLF and YPL Awardees	Lori Shayne A. Busa	November 18, 2020		Online (Virtual)
DCMS Breakthroughs talk of Dr. G. Tadeo on Topological Mixing of Compatible Random Substitutions via Zoom Virtual Video Conferencing DCMS Breakthroughs talk of Dr. Estrada on the Spanning Maximal Planar Subgraph Problem via Zoom Virtual Video Conferencing	Lany D. Dullas	November 27, 2020		Department of Mathematics, UP Baguio
Shapes in Data: An Invitation to Topological Data Analysis	Karen D. Taclay Richard J. Taclay Eden Salaguste	November 27, 2020		UP Baguio
2020 DMCS Breakthroughs in Mathematics Webinar 1: On the Spanning Maximal Planar Subgraph Problem Webinar 2: Topological Mixing of Compatible Random Substitutions	Lany Dullas Richard Taclay Eden Salaguste Karen Taclay	November 27, 2020		UP Baguio

Pioneering Intellectual Property Programme (PIP) ASEAN Young Researchers Fellowship	Lori Shayne A. Busa	November 17 and 24, 2020		Online (Virtual)
Training-Workshop on the Packaging of Collaborative Research Proposal	Richard J. Taclay	November 5, 2020		CHED-PCARI
Applications of Modelling in Epidemiology	Richard Taclay Eden Salaguste Karen Taclay	October 22- 23, 2020		UP Baguio
PCSMT Moving Forward: Addressing the Challenges of Students during the New Normal Webinar 1: “Mental health and on-line Education Challenges During the New Normal: Students Coping Mechanisms”  Webinar 2: “In-depth Accurate Information Regarding COVID-19 Disease: Debunking Myths and Fake News”	Eden Salaguste (PCSMT Coordinator)	October 17, 2020		Webinar
PCSMT Moving Forward: Addressing the Challenges of Students during the New Normal Webinar 1: “Mental health and on-line Education Challenges During the New Normal: Students Coping Mechanisms”	Eden Salaguste (PCSMT Coordinator)	October 14, 2020		Webinar
31st National Statistics Month (NSM) “A Webinar on Digitalization of Information and its Impact on Society”	Karen D. Taclay	October 2, 2020		Cagayan Valley Region
European Research Council: Grants for Top Researchers from Anywhere in the World	Lori Shayne A. Busa	September 15, 2020		Online (Virtual)

Moving Forward: Flexible Learning for Continuity, Enhancement and Transforming Education in the Philippines via Zoom Consortium for Science, Mathematics and Technology Inc.	Lany D. Dullas	August 26, 2020		Isabela State University, Echague Isabela (in Collaboration with TVUP, UP System)
Web-based seminar on Research Publication	Lany D. Dullas Venus B. Tajon Prof. Christopher A. Gurat Prof. Vilchor G. Perdido Mr. Napoleon Anthony M. Mendoza	July 28-29, 2020		Isabela State University, Echague Isabela
Seminar-Workshop on Blended Learning through Learning Management System: Adapting to Varied Learning Modalities during COVID-19	All Faculty of CAS	July 13 – 14, 2020		College of Arts & Sciences NVSU – Bayombong Campus
Passed the two International Certifications: MTCNA, MTCUME Mikrotik Training and Certification (MTCNA – Mikrotik Certified Network Associate, MTCUME – Mikrotik Certified User Management Engineer)	Prof. Renato V. Sales Prof. Christopher A. Gurat Prof. Vilchor G. Perdido Ms. Nilda N. dela Cruz Ms. Flory Anne D. Patricio Ms. Armilyn H. Wais Ms. Laarnie O. Bartolome Mr. Michael R. Lacar Mr. Lemuel C. Sanchez Carlita Segundo Jason Roy C. Irabagon	March 10 – 16, 2020		NVSU – Bayombong Campus in cooperation with PSITE R02



Training on Publishing a Research	Lany D. Dullas	March 5 – 6 2020		Isabela State University, Echague Isabela
“I and Thou: Educational Lessons on Martin Buber’s Philosophy of Relationship” National Teacher Education Seminar-Workshop and Networking with the theme “ASEAN Integration: Graduate Teacher Education’s Global Role for Research Advancement and Educational Reforms Geronima Pecson Auditorium	Albert A. Garcia	February 15-16, 2020		Philippine Normal University, Taft Avenue, Manila City, Philippines
<b>College of Business Education</b>				
National Finance Summit: Financial Risk Awareness	Mercedes B. Pumihic Katrine Angela A. Tucay	February 16, 2020	Junior Confederation of Finance Association-Philippines	One Esplanade, Pasay City
Coop Leadership Forum	Daren S. Eraña Cherrie Prella DG Pascual	February 26, 2020	NV Alay Kapwa	NV Alay Kapwa Training Hall
21 <sup>st</sup> Century Pedagogies for Teachers	Dolores B. Galvez	March 9 -11, 2020	Saint Mary’s University	Saint Mary’s University
Philippine Startup Weekend Unite to Fight COVID-19	Flormelyn D. Tumenez	April 26, 2020	DOST	Webinar Via Zoom
Data Analytics in the Midst of Disruption Confirmation	Flormelyn D. Tumenez	May 20, 2020	DOST	Webinar Via Zoom
Training on Blended Learning Through Learning Management System	ALL CBE FACULTY	May 28 and June 1, 2020 & July 6-7, 2020	NVSU	Mini Theater, NVSU

Preparing for Flexible Learning the HEI Region 3 Way: Challenges, Issues and Opportunities	Aljanet M. Jandoc	June 30, 2020	Resource for Educators and Academic Professionals; Rex Academy	Webinar
Tuloy Ang Laban: Accessible and Innovative Higher Education in a Time of Crisis	Aljanet M. Jandoc	July 11, 2020	Resource for Educators and Academic Professionals; Rex Academy	Webinar
Creating Interactive Presentation using MS Powerpoint	Aljanet M. Jandoc	July 14-16, 2020	HABI Web Technologies	Webinar
Web-based Seminar on Research Publication	Bernardo R. Balangatan Dolores B. Galvez Ma. Elizabeth E. Espiritu Daren S. Eraña Claire R. Reginalde Flormelyn D. Tumenez  Renalee V. Valenzuela	July 28-29, 2020	Isabela State University	Webinar
Economics Teachers' Convention, EcoKnowmics: Teaching Economics Amidst the Pandemic	Aljanet M. Jandoc	August 15, 2020	UPLB Economics Society & Department of Economics	via Zoom
Webinar on Research Publication	Daren S. Eraña	September 29, 2020	Isabela State University	Via Zoom
Second Episode of DRRM and Pandemic	Aljanet M. Jandoc	October 10, 2020	Philippine Institute of Environmental Planners	via Zoom
Third Webinar Series Tactical Urbanism	Aljanet M. Jandoc	October 17, 2020	Philippine Institute of Environmental Planners	via Zoom

3 Webinars of Guide to Writing a Health Research Proposal Module 3: Statistical Analysis	Aljanet M. Jandoc	October 15, 22 and 29, 2020	Department of Science and Technology VI; Western Visayas Health Research and Development Consortium	Webinars
2020 PSPA International Virtual Conference: Public Administration Towards a Better Normal: Paradigms, Policies, and Perspectives	Cristina R. Salvosa	October 24, 2020	PSPA	via Zoom
Webinar on “Innovation in the COVID-19 Economy: S&T Innovation Policy for the Challenges on the New Normal”	Cristina R. Salvosa	October 27, 2020	DOST-PCIEERD	Online
2020 PIEP Academic Assembly: Engaging the Environmental Planners and Academics in the New and Better Normal (The Day Zero Event of the 2020 VNATCON)	Aljanet M. Jandoc	November 6, 2020	Philippine Institute of Environmental Planners	via Zoom
PIEP 2020 Virtual NATCON: Rethinking the PIEP Agenda Beyond Its 50 <sup>th</sup> & Engaging the Environmental Planners in the Context of Covid-19 as the Way Forward (Are We Ready to Shift Paradigm and Expand the Planning Toolbox?)	Aljanet M. Jandoc	November 8, 2020	Philippine Institute of Environmental Planners	via Zoom
Philippine Startup Week 2020	Josue A. Chua	November 23-27, 2020	DTI/DOST	Online
E-Forum Sustainable Development Goals (SDG) 101 – Expanding the Green Economy	Cristina R. Salvosa	November 26, 2020	PCCI-SDG	Online

Virtual Launch of The Alliance of Techtransfer Professionals of the Philippines	Cristina R. Salvosa	November 27, 2020	ATOP	Online
Research and Development (R&D) Proposal Writing Online Training Program	Josue A. Chua	December 1-4, 2020	International Rice Research Institute	Online
PIEP Nueva Vizcaya- Quirino Chapter Technical Training and 1 <sup>st</sup> General Assembly	Aljanet M. Jandoc	December 4, 2020	PIEP NV-Quirino Chapter	via Zoom
Philippine National Health Research System Research Mobilization Workshop	Josue A. Chua	December 9, 2020	Philippine National Health Research System	Online
Year-End Policy Development Report: A Forum in Higher Education Policies	Cristina R. Salvosa	December 9, 2020	NVSU	NVSU Mini-Theater, Library, Bayombong
Webinar on Outcomes-based Quality Assurance and Online Accreditation Orientation	Cristina R. Salvosa	December 15-18, 2020	AACCCUP	Online
<b>College of Engineering</b>				
Non-credited courses on: Introduction to Engineering Mechanics	Sony P. Aquino	December 21, 2020	Georgia Institute of Technology	
Mechanics of Materials I: Fundamentals of Stress, Strain and Axial Loading	Sony P. Aquino	October 27, 2020	Georgia Institute of Technology	
Mechanics II: Thin Walled Pressure and Torsion	Sony P. Aquino	October 30, 2020	Georgia Institute of Technology	
Mechanics III: Beam Bending	Sony P. Aquino	November 3, 2020	Georgia Institute of Technology	
Mechanics IV: Deflection, Combine loading & Failure Theories	Sony P. Aquino	November 6, 2020	Georgia Institute of Technology	
Wind Energy	Sony P. Aquino	November 13, 2020	Technical University of Denmark	
Introduction to Solar Cells	Sony P. Aquino	December 20, 2020	Technical University of Denmark	

Webinar Series on Intellectual Property and Technology Transfer: Introduction to Valuation	Sony P. Aquino	October 20, 2020	DOST Phil. Council for Health Research and Development	
Webinar on Metal Selection	Sony P. Aquino	Oct. 13, 2020	DOST Metals Industry Research & Dev't. Center	
Webinar on Metal Fabrication	Sony P. Aquino	Oct. 13, 2020	DOST Metals Industry Research & Dev't. Center	
Beyond Surveying: Geodetic Engineers at the Forefront of Research and Innovations in Geospatial Science and Technology	Bella A. Corpuz		CARAGA Center for Geoinformatics (CPD Program Accreditation No. OGE-2018-003-001	
<b>College of Forestry</b>				
15-Day Paragliding Pilot Training Course	Ryan P. Manuel	January 6-21, 2020	IFEC (International Flying Education Center)	Gyeonggi-do, South Korea
Training-Workshop on Introduction & Advanced GIS and Other Geospatial Technologies in Forestry, Agriculture, Engineering & Natural Resource Management	Jovien Ansibey Jayson Q. Caranza Romnick L. Pascua Shierel F. Vallesteros	February 4-6, 2020	ISU Geomatics (Coordination and Logistics were handled by CF COE Project)	DFTC, NVSU
Training-Workshop on the Updates on RA 9184 and It's Implementing Rules and Regulations and Capacity Development for Procurement Practitioners	Remedios A. Bacon	March 3 – 6, 2020	NVSU	Sta. Ana, Cagayan

National Training-Workshop on Mainstreaming Volunteerism in the NSTP Curriculum	Remedios A. Bacon	March 11-13, 2020	NSTP	Manila Grand Opera Hotel, Sta Cruz, Metro Manila
Training on Publishing a Research Paper	Yolina T. Castañeto	July 15-16, 2020	ISU Professional Development and Training Institute	Online
Training Course on 5S Audit	Arvin P. Vallesteros	November 10-12, 2020	Development Academy of the Philippines	Analytical Building, NVSU Bayombong Campus
National Consultative Meeting	Remedios A. Bacon	January 24, 2020	NSTP	Metro Manila
Meeting for the Preparation of DENR CENRO – CSO Summit (CENRO Dupax)	Shierel F. Vallesteros	January 24, 2020	DENR	Saber Inn, Bayombong, Nueva Vizcaya
Seminar on Biomass and Carbon Assessment for Forestry, Agriculture and Other Land Uses	Yolina T. Castañeto Romnick L. Pascua Shierel F. Vallesteros	February 3, 2020	ISU Geomatics	NVSU Minitheatre
G-HUBS Region 02 Sustainability Planning Workshop	Shierel F. Vallesteros	February 7, 2020	G-HUBS (Holistic Undertaking Bridging Solutions for Governance)	Saber Inn, Bayombong, Nueva Vizcaya
2RCDG coordinating conference in connection with the conduct of Regional Annual Administration and Tactical Inspection (RAAT) for School year 2019-2020	Remedios A. Bacon	February 12, 2020	2RCDG (2 <sup>nd</sup> Regional Community Defense Group)	Soyong, Echague Isabela
Seminar-Workshop on Blended Learning Through Learning Management System	Arvin P. Vallesteros Yolina T. Castañeto Remedios A. Bacon Angel L. Genato, IV	May 28, 2020 and June 1, 2020	NVSU	NVSU, Bayombong Campus



SEAMEO-UNESCO Joint Webinar on World Environment Day “COVID-19 Effects on Biodiversity: Science Education Reimagined”	Shierel F. Vallesteros	June 5, 2020	SEAMEO-UNESCO (Southeast Asian Ministers of Education Organization - United Nations Educational, Scientific and Cultural Organization)	NVSU, Bayombong Campus
Regional Association of Practitioners of Student Affairs & Services (RAPSAS) Meeting	Angel L. Genato, IV	June 8, 2020	CHED Regional Office 2 - OSDS	
Scopus Familiarization and Research Paper Indexing	Yolina T. Castañeto	June 18, 2020	ISU-UPTDI	
Institutional Responses on Safety of Students under the New Normal	Angel L. Genato, IV	June 25, 2020	CHED Regional Office 2 - OSDS	
Providing Inclusive Services & Care for our LGBTQ Students	Angel L. Genato, IV	June 29, 2020	UP Manila Guidance & Counselling Program - CGWS	
2020 NRCP Annual Scientific Conference and 87 <sup>th</sup> General Membership Assembly	Yolina T. Castañeto Shierel F. Vallesteros Arvin P. Vallesteros	June 30, 2020	NRCP/DOST	
Microplastic Contamination in Philippine Marine Waters	Lorena P. Laguardia	June 30, 2020	DENR	
CHED Public Consultation on the Proposed Guidelines on the Implementation of Flexible Delivery of Student Affairs and Services during COVID-19 Pandemic	Angel L. Genato, IV	July 8, 2020	CHED CO OSDS	
CEAP Webinar, “Making the Right Choice: Choosing the Best Learning Management System for your School”	Yolina T. Castañeto	July 14, 2020	CEAP (Catholic Educational Association of the Philippines)	

Using High Technologies for Remote Learning	Lorena P. Laguardia	July 14, 2020	College of Education, University of Philippines	
Regional Association of Practitioners of Student Affairs & Services (RAPSAS) Webinar on “Preparedness on Handling New Normal Learners”, via Zoom, hosted by CHED Regional Office 2	Angel L. Genato, IV	July 22, 2020	CHED RO 2; RAPSAS	
42 <sup>nd</sup> FDC Anniversary Policy Forum Adaptive Forest and Environmental Policies in Response to COVID-19 Pandemic	Shierel F. Vallesteros Yolina T. Castañeto Arvin P. Vallesteros	July 28, 2020	FDC	
Web-based seminar on Research Publication	Rogelio P. Pascua	July 28-29, 2020	ISU	
Integrated Area Land Use Planning and Development to Help Minimize Public Health Risk	Yolina T. Castañeto	July 28, 2020	Forestry Development Center (FDC), College of Forestry and Natural Resources, UPLB	
NSTP Webinar Series on “Transforming the Traditional Approach to Flexible Learning Delivery”	Remedios A. Bacon	August 6, 11 and 22, 2020	SDS, CHED, PSNEI	
Foreign-Assisted and Special Projects Service (FASPS) Meeting	Shierel F. Vallesteros Aureneil C. Natividad	August 24, 2020	DENR-FASPS	
Impact of COVID-19 on Air Quality of Metro Manila	Shierel F. Vallesteros Lorena P. Laguardia	August 27, 2020	FDC	
Soil Properties and Management for Improved Crop Production	Lorena P. Laguardia	September 9, 2020	Smart Approaches to Revitalize Agriculture as an Industry in the Philippines (SARAI)	

Forest Policy E-talks: FDC Webinar Series of 2020: Mainstreaming Native Trees in Urban Green Spaces; Policy Options in the New Normal	Shierel F. Vallesteros Yolina T. Castañeto Angel Keeno D. Pineda Precious P. Castriciones	September 10, 2020	FDC	
Podcast Channel Development Training	Elmer T. Castañeto	September 11, 2020	USAID	
Meet your Scientist: World Bamboo Day 2020	Lorena P. Laguardia	September 18, 2020	DOST NAST, Philippines Philippine Science Heritage Center	
SOLVE Vulnerability of Smallholders to Climate Change Impacts	Yolina T. Castañeto	September 23, 2020	SOLVE	
Forest Policy E-talks: FDC Webinar Series of 2020: Gender and Development in Forest Policies	Yolina T. Castañeto Angel Keeno D. Pineda	September 28, 2020	FDC	
UPLB MNH Biosafety at the Forefront: Experience in the COVID-19 Pandemic	Lorena P. Laguardia	September 29, 2020	UPLB Museum of Natural History	
Organization Meeting of the NRCP Division of Agriculture and Forestry with Technical Seminar	Yolina T. Castañeto	October 1, 2020	Department of Science and Technology / National Research Council of the Philippines	
Green Gold Talk	Yolina T. Castañeto	October 6, 2020	DENR-CAR & ERDB / WWR-DEC	
Forest Policy E-talks: FDC Webinar Series of 2020: Future-proofing the Forester's Mindset Toward Accelerated Forest Development	Yolina T. Castañeto Angel Keeno D. Pineda Lorena P. Laguardia	October 13, 2020	FDC	

Forest Policy e-Talks: FDC Webinar Series of 2020, Community-Based Forest Management (CBFM) Program: Is It Worth Sustaining?	Yolina T. Castañeto Angel Keeno D. Pineda Precious P. Castriciones Lorena P. Laguardia	October 15, 2020	FDC/ITC-UPLB	
Webinar Writeshop for the for the Packaging of Bamboo R & D Program proposal	Yolina T. Castañeto Shierel F. Vallesteros	October 20, 2020	CVAARRD/DA-ATI	
Philippine Cave and Karst Digital Forum: Ecological Values of Philippine Terrestrial Caves	Jayson Q. Caranza	October 16, 2020	DENR-BMB (Biodiversity Management Bureau)	
Rethinking Webinar Series 2020: Tactical Urbanism	Jayson Q. Caranza	October 17, 2020	Philippine Institute of Environmental Planners	
SOLVE Agrobiodiversity Challenges towards Food and Nutrition Security	Yolina T. Castañeto	October 21, 2020	SEARCA/SOLVE	
6 <sup>th</sup> National Advisory Council Summit	Remedios A. Bacon	October 21-23, 2020	PNP	Ba-yombong, Nueva Vizcaya
Philippine Cave and Karst Digital Forum: Cultural/ Historical Values of Philippine Caves	Jayson Q. Caranza Lorena P. Laguardia	October 24, 2020	DENR-BMB	
SFFI Webinar Series: Forest Trek – “Optimizing Forestry for Economic Recovery: Reducing Poverty in Upland Communities Thru Community-Based Management Strategy”	Marcelino T. Razalan, Jr. Yolina T. Castañeto Angel Keeno D. Pineda Precious P. Castriciones Aureneil C. Natividad Shierel P. Vallesteros	October 28, 2020	Society of Filipino Foresters	
1 <sup>st</sup> International Research Conference on Computing, Engineering, Business, Science and Education (IRCCEBSE); “Research Endeavor amidst Pandemic: Research Collaboration in the Age of Digitization”	Yolina T. Castañeto	October 28-29, 2020	ISU	

Green Gold Talk	Yolina T. Castañeto	October 30, 2020	DENR-CAR/ Watershed and Water Resources Research De- velopment and Extension Center	
Philippine Cave and Karst Digital Forum: Protection and Management of Philippine Caves Under the New Normal	Jayson Q. Caranza	October 30, 2020	DENR-BMB	
Rethinking Webinar Series 2020: Housing in the New Normal	Jayson Q. Caranza	October 31, 2020	Philippine In- stitute of En- vironmental	
SFFI Webinar Series: Forest Trek – “Optimizing Forestry for Economic Recovery: Reviving the Industrial Forest Management Agreement, Boosting Economic Recovery”	Marcelino T. Razalan, Jr. Yolina T. Castañeto Angel Kenno D. Pineda Precious P. Casttriciones Shierel P. Vallesteros	November 4, 2020	Society of Fili- pino Forest- ers	
2020 PIEP Academic Assembly	Jayson Q. Caranza	November 6, 2020	Philippine In- stitute of En- vironmental	
SFFI Webinar Series: Forest Trek – “A Dynamic Model for Sustainable Forest Operations: Application of GIS and Agent-Based Modeling”	Marcelino T. Razalan, Jr. Yolina T. Castañeto Angel Kenno D. Pineda Precious P. Casttriciones Shierel P. Vallesteros	November 11, 2020	Society of Fili- pino Forest- ers	
Webinar Series on Mainstreaming Biodiversity in the Infrastructure Sector: Policies and Programs for the National Government	Jayson Q. Caranza	November 12, 2020	DENR-BMB	

ERIA 3 <sup>rd</sup> East Asia Energy Forum: The Role of Carbon Captute Utilization and Storage (CCUS)/Carbon Recycling in ASEAN and East Asia	Arvin P. Vallesteros	November 17, 2020	Economic Research Institute for ASEAN and East Asia	
SFFI Webinar Series: Forest Trek – “Watershed-Based Land Use Planning: Contribution to Sustainable Forest Management and Minimizing Public Health Risks”	Marcelino T. Razalan, Jr. Yolina T. Castañeto Angel Kenno D. Pineda Precious P. Castriciones Aureneil C. Natividad Shierel P. Vallesteros	November 18, 2020	Society of Filipino Foresters	
Forester’s CPD Webinars, Webinar No. 3: People, Mangroves and Climate Change: Forest Governance Towards Resilient Coasts	Aureneil C. Natividad	November 18, 2020	Training Center for Tropical Resources and Ecosystems Sustainability (TREES)	
25 <sup>th</sup> PAPSAS National Annual Convention	Angel L. Genato IV	November 20 and 26, December 4 and 5, 2020	Philippine Association of Practitioners of Student Affairs & Services (PAPSAS)	
From Farm to Fridge: Developing Functional Foods through R and D	Yolina T. Castañeto Angel Kenno D. Pineda	November 20, 2020	DOST- Philippine Council for Health Research and Development	
SFFI Webinar Series: Forest Trek – “Protected Area Management and Biodiversity Conservation: Key to Economic Recovery”	Marcelino T. Razalan, Jr. Yolina T. Castañeto Ryan P. Manuel Angel Keeno D. Pineda Precious P. Castriciones Aureneil C. Natividad Shierel P. Vallesteros	November 25, 2020	Society of Filipino Foresters	

SFFI Webinar Series: Forest Trek – “Enhancing Survival of Plants in Agroforestry”	Marcelino T. Razalan, Jr. Yolina T. Castañeto Ryan P. Manuel Angel Keeno D. Pineda Precious P. Castriciones Shierel P. Vallesteros	December 2, 2020	Society of Filipino Foresters	
Social Forestry in Asia: Opportunities and Challenges	Angel Keeno D. Pineda Precious P. Castriciones, Aureneil C. Natividad	December 3, 2020	CFNR, UPLB	
Non-Timber and Non-Wood Forest Products	Angel Keeno D. Pineda	December 4, 2020	PSAU-CAST	
AACCUP Webinar on Outcomes-Based Quality Assurance and Online Accreditation Orientation	Arvin P. Vallesteros	December 15-18, 2020	AACCUP, Inc.	
<b>College of Human Ecology</b>				
65 <sup>th</sup> Annual Convention of Nutritionist-Dietitians’ Association of the Philippines (NDAP)	Maria Richelle Y. Belingon	February 26-28, 2020	Nutritionist-Dietitians’ Association of the Philippines (NDAP)	Conrad Hotel, Manila
65 <sup>th</sup> NDAP ANCON 2020 Frontiers in Nutrition	Richelle Belingon	Feb. 27-28, 2020	NDAP	Conrad Hotel Manila
Learning Visit to Coffee Farmers and Coffee Shared Services Facilities (SSF)	Teresita B. Barangay Florice Jean C. Vicente	March 4-6, 2020	Department of Trade and Industry (DTI) – Region II	Kalinga, Mountain Province and Baguio City
Seminar-Workshop on Blended Learning Through Learning Management System	Rhea L. Adriatico Teresita B. Barangay Carloue M. Belonio Lourdes T. Capua Chrizerl Mae V. Pagbilao	May 28 and June 01, 2020	NVSU	NVSU-Bayombong Mini Theater

Webinar on Cacao 102:Cacao Processing-From Bean to Bar	Teresa Barangay Lourdes Capua Richelle Belingon Teresa Fulgencio Florie Vicente	July 9 & 14, 2020	DTI	
FNRI Seminar Series, Webinar	Teresa Barangay Lourdes Capua Richelle Belingon Teresa Fulgencio	July 9-10, 2020	DOST-FNRI	
Seminar-Workshop on Learning Management System, Library Mini Theater, NVSU Bayombong, Nueva Vizcaya	Teresa Barangay Lourdes Capua Anne Bernadette Galvez Rhea Adriatico Allen Mark Razalan Rebecca Velarde Susan Sierra Carloue Belonio Ma. Teresa Fulgencio Arlene Manlapaz Florie Jean Vicente Ma. Richelle Belingon Chrizerl Mae Pagbilao	July 9&14, 2020	NVSU	
The ASEAN Toolbox Connection	Rhea L. Adriatico	July 13, 2020	Department of Tourism	
Research made easy: Avoiding Common Mistakes in Writing Thesis & Dissertation Proposal	Aira Leigh Suguitan	July 18, 2020	Association of Administrators of Hospitality Hotel and Restaurant Management Educational Institution	
Making our own Food and Beverage Products, employee and customers virus resistant during the COVID pandemic period	Aira Leigh Suguitan	July 22, 2020	Department of Tourism-Cagayan Valley	



Web-based Seminar on Research, ISU Echague Isabela	Teresa Barangay Lourdes Capua Allen Mark Razalan Rhea L. Adriatico Chrizel Mae Pagbilao	July 28-29, 2020	ISU	
Hands-on Learning in Online Enrolment	Teresa Barangay Lourdes Capua Anne Bernadette Galvez Rhea Adriatico Allen Mark Razalan Rebecca Velarde Susan Sierra Carloue Belonio Ma. Teresa Fulgencio Arlene Manlapaz Florie Jean Vicente Ma. Richelle Belingon Chrizel Mae Pagbilao	August 10, 2020	NVSU	
Digital Payments: The New Normal	Aira Leigh Suguitan	August 13, 2020	Department of Tourism	
Hotel Operations in the New normal	Aira Leigh Suguitan	August 13, 2020	Astorin Culinary & Hospitality Institute	
The ASEAN Tool Box Connection	Aira Leigh Suguitan	September 3, 2020	DOT	
Barrier Free Tourism: Kaya Natin	Aira Leigh Suguitan	Sept.24, 2020	DOT	
Transitioning to a Post-Covid World-Ideas to Reboot Business what Works what Doesn't	Aira Leigh Suguitan	Oct. 8, 2020	Tourism Industry Board Foundation & Department of Tourism	
The ASEAN Toolbox Connection Workshop	Anne Bernadette Galvez Arlene Manlapaz Aira Leigh Suguitan Rhea L. Adriatico	October 15, 2020	Department of Tourism-Cagayan Valley	Webinar (zoom)

The Key to Agility & Resilience: Tourism and Hospitality Moving Forward Together	Anne Bernadette Galvez	Oct. 24, 2020	Philippine Women's University School of Hospitality Management Graduate Studies	Webinar (zoom)
Learning from the Masters: Multi-Disciplinary Perspective on SD612-Responsible Consuming & Production	Anne Bernadette Galvez	Nov. 9, 2020	University of the Philippines -Diliman College of Home Economics	Webinar (zoom)
Modern Culinaire: The Recovery of the Industry	Anne Bernadette Galvez	Nov. 20, 2020	Manila Tytana College-College of Accountancy and Management and Center for Hospitality Management	Webinar (zoom)
20 <sup>th</sup> Tourism Annual Tourism Educators' Convention	Rhea L. Adriatico Aira Leigh Suguitan Allen Mark Razalan	November 20, 2020	Union of Filipino Tourism Educators	
Webinar on Communicating Basic Research Result to the People : Food Safety and Security Through Biotechnology	Teresita Barangay Lourdes Capua Richelle Belingon Teresa Fulgencio Florie Jean Vicente	November 25, 2020`	DOST	
Hospitality Resilience Amidst the Pandemic	Anne Bernadette Galvez Arlene Manlapaz	Nov. 26. 2020	Hotel and Restaurant Association of the Philippines (HRAD)	Zoom Webinar
PARTH Membership Caravan & Webinar on Food & Beverage	Aira Leigh Suguitan	Dec. 3, 2020	Philippine Association of Researchers for Tourism & Hospitality Incorporation	

AARMEI 20 <sup>th</sup> National Annual Convention: Keeping Oneself Fit & Motivated in Meeting Educational Challenges & Opportunities for Flexible Learning	Aira Leigh Suguitan Rhea L. Adriatico	Dec. 10-11, 2020	Association of Administrators of Hospitality Hotel & Restaurant Management Educational Institutions	
Training on Coffee Cupping, Grading and Tasting	Rhea L. Adriatico Ma. Richelle Belin-gon Florie Jean Vicente	Dec. 17-19, 2020	Department of Trade and Industry	
<b>College of Veterinary Medicine</b>				
87 <sup>th</sup> PVMA Scientific Conference and Annual Convention	Dr. Haidee E. Torio Dr. Liberty G. Torres	February 19-21, 2020	Philippine Veterinary Medical Association	Davao City
Learning Management System	Dr. Haidee E. Torio Dr. Liberty G. Torres Dr. Dorothy P. Pagbilao Dr. Jun-jun C. Pabilin Dr. Jessica M. Cadoy Dr. Rember G. Gapad	May 28, 2020	NVSU	Mini Theater
Lecture Series: AMR proposal writing and research collaboration	Dr. Haidee E. Torio	July 7, 14, 21, 2020	FAO, The Fleming Fund, UK Gov't, DABAI	Webinar
Webinar on Research Publication	Dr. Haidee E. Torio	July 28-29, 2020	ISU	Webinar
Fundamentals of Animal Nutrition and Feed Formulation Online Training	Dr. Liberty G. Torres Dr. Haidee E. Torio Dr. Dorothy P. Pagbilao Dr. Jun-jun C. Pabilin Dr. Melvin O. Allama Dr. Rember Gapad Dr. Jessica M. Cadoy Dr. Jundy J. Martin Dr. Vernadyn Morillo	September 1-2, 2020	US Soybean Export Council, ASA, USB, NVSU	Online training

Metal Fabrication	Dr. Dorothy P. Pagbilao	October 13, 2020	DOST	Online seminar
1 <sup>st</sup> International Symposium on Infectious Diseases	Dr. Liberty G. Torres Dr. Haidee E. Torio	December 21-22, 2020	CVM, CLSU Fulbright Phil NRCF	Online Seminar
<b>College of Teacher Education</b>				
Enacting Flexible Learning Options	Jane Navalta	July 3, 2020	UP Diliman	Webinar based
Home based Learning for Young Students	Jane Navalta	July 17, 2020	UP Diliman	Webinar based
1st International Conference in Computing Engineering, Business, Sciences and Education	Regino R. Galate	October 28-29, 2020	Isabela State University	Isabela State University
Web-based Seminar on Research Publication	Regino R. Galate	July 28-29, 2020	Isabela State University, Echague, Isabela	Webinar
Webinar on “Using Coping and Distress Tolerance Skills to Thrive in Difficult Situations	Juanita B. Pascua	November 7, 2020	UP College of Education, Diliman	Webinar
Webinar on “How Does Remote Learning Impact Students and Teachers Affectively and Cognitively?”	Juanita B. Pascua	November 6, 2020	UP College of Education, Diliman	Webinar
Workshop on Embracing Difference, Finding Commonality, Collaborative Research and Writing 12th Asian Conference Education via Live-Stream (IAFOR)	Juanita B. Pascua	November 2, 2020	IAFOR	Livestream
NCRP Division I Meeting and Scientific Discussion	Juanita B. Pascua	September 9, 2020	NCRP	Webinar

Panel Talk on Making Research Accessible and Meaningful to Practitioners	Juanita B. Pascua	August 29, 2020	Office of Education Research Professional Development Committee, Singapore	Webinar
3-hour Webinar entitled Exploring Online Quiz Applications	Juanita B. Pascua	August 21, 2020	HABI web technologies	Webinar
Webinar on Designing Instructional Modules for Flexible Learning	Juanita B. Pascua	August 14, 2020	Wesleyan University	Webinar
6-hour Webinar entitled 2-Day Extensive Google Classroom	Juanita B. Pascua	August 13 and 15, 2020	HABI web technologies	Webinar
Web-based Seminar on Research Publication	Juanita B. Pascua	July 28-29, 2020	Isabela State University, Echague, Isabela	Webinar
1.5hour Webinar entitled Developing Collaborative Skills Among Learners	Juanita B. Pascua	July 31,2020	HABI web technologies	Webinar
Journey of COEs and CODs in Teacher Education; A CHEDRO2 Webinar	Juanita B. Pascua	July 14, 2020	CHED Regional Office 2, Tuguegarao City	Webinar
Tuloy angf Laban, Accesible and Innovative Higher Education in a Time of Crisis	Juanita B. Pascua	July 11, 2020	Rex Academy	Webinar
2020 NCRP Annual Scientific Conference and 87th General Membership Assembly with the theme, "Research for Public Good"	Juanita B. Pascua	June 30, 2020	NCRP	Webinar
Webinar on " Designing Student-Centered Assessment in Flexible Learning. PEMEAs Continuing Professional Development	Juanita B. Pascua	May 29,2020	PEMEA	Webinar
Webinar on Research Publication	Demetria A. Corpuz	May 28, 2020 to June 1, 2020	Isabela State University Professional Development and Training Institute	Webinar

Training on Publishing a Research Paper	Demetria A. Corpuz	March 5-6, 2020	Alba Hall, Isabel State University	Seminar-Training
Web-based Seminar on Research	Krizzle May U. Laguit Bryan B. Gabatino Marcielyne A. Razalan Roman Angelo C. Magno Jenifer C. Gacusan	July 28-29, 2020.	Isabela State University, Echague, Isabela	Webinar

## Expert Services Rendered

Title of Activity Attended	Participant/s	Inclusive Date/s	Host Organization/s	Nature of Participation
<b>College of Industrial Technology – Bambang Campus</b>				
Food & Beverage Services NC II, Cookery NC II, Bread & Pastry Production NC II, House-keeping NC II	Marvin Jay A. Tagnong	January - March 2020	TESDA	Assessor
Bartending NC II Food & Beverage Services NC II Bread and & Pastry Production NC II Front Office Services NC II	Evangeline C. Remolazo	January - March 2020	TESDA	Assessor
Basic Computer Literacy Skills Training for ALS Students of Bambang	Irel V. Derije Vilma M. Santos	February 27 & 29, 2020	CSIT Department Computer Students Society	Lecturer/ Facilitator
Advance Computer Literacy Skills Training for ABen Senior Students	Irel V. Derije Jeremy Moses T. Ebreo Vilma M. Santos	February 22, 29 and March 7, 2020	CSIT Department Computer Students Society	Lecturer/ Facilitator
Seminar-Workshop on Blended Learning through Learning Management System	Irel V. Derije Arnel Agustin Salie Dia Canam Percival Labog	July 6-7	NVSU College of Arts & Sciences	Resource Speakers
		July 8-9, 2020	NVSU College of Teacher Education	
		July 15-16, 2020	NVSU College of Industrial Technology	
Workshop on Microsoft Teams and Development of Instructional Materials	Irel V. Derije	August 6-7, 2020	NVSU College of Arts & Sciences	Resource Speaker
		August 12-13, 2020	NVSU College of Teacher Education	
		August 10-11, 2020	NVSU College Of Industrial Technology	

Percival Labog Ian Kim Seligbon	31 <sup>st</sup> CVAARRD Virtual Regional Symposium on RDE Highlights	November 11-12, 2020	CVAARRD Ilag- an City	Research Presenter
Arnel Agustin	Hospitality Manage- ment Department Stakeholder Consulta- tive Meeting	December 14, 2020	HM Depart- ment	Consultant
<b>College of Teacher Education – Bambang Campus</b>				
DLSU-LIDER-ARTiST- ARAL Webinar: Quali- tative Criteria of Action Research and the Zero-waste Material Cycling and Industry- oriented Teaching Model		August 17, 2020	De La Salle University	Speaker
Industry-oriented In- struction in the New Normal		September 16, 2020	DepEd- Bacolod	
The Millennial Teacher		October 28, 2020	Educ8 Philip- pines	
Teacher's Role in Help- ing the Local Economy and the Environment: Industry-oriented In- struction and Sustaina- ble Science Education through Action Re- search		November 14, 2020	NOSTE Philip- pines	
DLSU-BIOTADLSU- ARTiST Webinar: Asyn- chronous and Non- Internet Based Instruc- tional Techniques for Remote Learning		December 17, 2020	BIOTA-DLSU	



College of Arts and Sciences – Bayombong Campus				
8th In-house Review “Building Research and Extension: Resilience in the Time of Pandemic”	Dr. Julius Valderama	October 29, 2020		Paper Evaluator
1st International Research Conference in Computing, Engineering, Business, Sciences and Education	Lany Dullas Julius Valderama	October 28 -29, 2020	ISU and UPD&TI	Presenter
1st International Research Conference in Computing, Engineering, Business, Sciences and Education	Venus B. Tajon	October 28 -29, 2020	Isabela State University and UPD & TI	Presenter
8th In-House Review of On-going and Completed Researches	Prof. Vilchor G. Perdidio	October 9, 2020	Quirino State University	Research Evaluator – Technological Research Category
1 <sup>st</sup> International Research Conference in Computing, Engineering, Business, Science and Education	Dr. Joey M. Villanueva	October 2020	Isabela State University and UPD & TI	Lecturer
Writeshop on Writing Module - “ How to Write good Modules”	Prof. Josefina S. Sana	August 2020	College of Agriculture- NVSU – Bayombong Campus	Lecturer
Google Classroom Training for CF Faculty and Staff	Prof. Christopher A. Gurat Prof. Vilchor G. Perdidio	July 23, 2020	College of Forestry NVSU – Bayombong Campus	Resource Speakers
Learning Management System Training- Workshop College of Veterinary Medicine	Prof. Vilchor G. Perdidio Prof. Christopher A. Gurat Prof. Vilchor G. Perdidio Ms. Flory Anne D. Patricio Prof. Renato V. Sales Prof. Christopher A. Gurat	May 28, June 25-26, 2020 July 9, 14, 21 – 22, 2020	All Colleges of Bayombong Campus	Resource Speaker/ Technical Expert

CAS Seminar-Workshop on Blended Learning through LMS “Adapting to Varied Learning Modalities during COVID-19”	Eden Salaguste Richard Taclay Karen Taclay	July 13-14, 2020	NVSU Mini-Theater	Facilitators
Seminar-Workshop on Blended Learning through Learning Management System	Prof. Christopher A. Gurat Ms. Flory Anne D. Patricio Prof. Vilchor G. Perdidio	June 1, 2020	NVSU – Bayombong Campus	Resource Speakers
UP Diliman Statistics Quiz	Eden Salaguste Richard Taclay Karen Taclay	February 2020	UP Diliman	Coach
2020 PCSMT Quiz Bowl	Eden Salaguste Richard Taclay	January 29 -31, 2020		Coordinator Coach
<b>College of Business Education – Bayombong Campus</b>				
Industry 4.0: A Sabatan Business Pitch	Fil Art Marie B. Baltazar Katrine Angela Tucay Daren S. Eraña	February 28, 2020	NVSU Mini Theater	Mentor
Economic Vulnerabilities of Fishing-dependent Households around Laguna Lake, Philippines	Aljanet M. Jandoc	May 15, 2020		Journal Reviewer
Philippine Household Income Mobility Measurement and its Decomposition using a Pseudo-Longitudinal Panel Data”	Aljanet M. Jandoc	May 27, 2020		Journal Reviewer

People's Organizations Capacity Building: Business Management Training	Claire Reginalde	August 4 & 10, 2020	Carolotan & Canabay, Dupax Del Sur	Resource Speaker
People's Organizations Capacity Building: Financial Resource Management Training	Josue A Chua	Augsut 25-26, 2020	Carolotan & Canabay, Dupax Del Sur	Resource Speaker
2020 PSPA International Virtual Conference on Covid-19 Pandemic (2): Public Administration Towards a Better Normal: Paradigms, Policies, and Perspectives	Cristina R. Salvosa	October 24, 2020		Moderator
Youth Entrepreneurship Program Webinar Session 2: Youth Net	Cristina R. Salvosa	November 18, 2020		Resource Speaker
CVAARRD 31 <sup>st</sup> Regional Symposium	Cristina R. Salvosa Josue A. Chua	November 19, 2020		Presenter
IFSU In-House Review for Project Proposal	Josue A. Chua	October 29-30, 2020		Evaluator
The Profitability and Efficiency Inequality for Traders of Selected Major Agricultural Crops in Nueva Vizcaya, Philippines	Daren S. Eraña	December 2-4, 2020		Presenter
IFSU In-House Review for Project Proposal	Josue A. Chua	December 17-18, 2020		Evaluator
<b>College of Engineering</b>				
1 <sup>st</sup> RAFNRET Virtual Research and Conference	Sony P. Aquino	December 2-3, 2020		Paper Presenter

College of Forestry				
1st International Research Conference in Computing, Engineering, Business, Sciences and Education (IRCCEBSE)	Yolina T. Castañeto/ Alvin Felix Noel Cardona Lorna Dumale	October 28 -29, 2020	Isabela State University	Paper Presenter
International Conference on Education, Environment and Agriculture	Yolina T. Castañeto Elmer T. Castañeto	November 19-20, 2020	Central Bicol State University of Agriculture Ghent University APEAEN, DENR, TRIAS	Paper Presenter
Tanim Puno Project	Arvin P. Vallesteros Shierel F. Vallesteros	February 13, 2020	City Environment and Natural Resources Office of Santiago City	Resource Speaker
Seminar-Workshop: Blended Learning Through Learning Management System	Angel L. Genato, IV	June 1, 2020	NVSU-OVPAA	Resource Speaker
USAID Connected to the Wild Biodiversity Research Series	Jayson Q. Caranza	October 6, 2020	USAID	Resource Person
1 <sup>st</sup> CVAARRD Virtual Symposium on R&D Highlights	Arvin P. Vallesteros Shierel F. Vallesteros	November 19, 2020	CVAARRD	Paper Presenter Poster Presenter
	Yolina T. Castañeto Elmer T. Castañeto			Paper Presenter Poster Presenter
	Ryan P. Manuel			Presenter
Year-End Policy Development Report: A Forum on Higher Education Policies	Angel L. Genato IV	December 9, 2020	NVSU-OVPAA	Resource Speaker
	Yolina T. Castañeto			Resource Speaker

Mushroom Production Training	Precious P. Castriciones Lovelyn V. Cabauatan	August 13-14, 2020	NVSU-CF, RET	Facilitator
Training on Plant Propagation	Precious P. Castriciones Angel Keeno D. Pineda Lovelyn V. Cabauatan	November 24, 2020	NVSU-CF, RET	Facilitator
Training on Plant Propagation	Lovelyn V. Cabauatan Angel Keeno D. Pineda	December 21, 2020	NVSU-CF, RET	Facilitator
<b>College of Human Ecology</b>				
Sensory Evaluation of the Instant Tilapia Cream Soup	Rhea L. Adriatico Ma. Teresa A. Fulgen-cio	July 23, 2020	Sabatan: NVSU Techno-preneurs Hub	Evaluators
<b>College of Teacher Education</b>				
1st International Conference in Computing Engineering, Business, Sciences and Education	Regino R. Galate	October 28-29, 2020	Isabela State University	Presenter
Sports and Youth Development	Gail G. Gumilet	January 25-26, 2020	Barangay Plaza	
REACH-UPLB Professionals	Gail G. Gumilet	September 12, 2020	Virtual	



# **RESEARCH EXTENTION AND TRAINING**

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## Summary of Accomplishments

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The Research, Extension and Training Program (RET) of the Nueva Vizcaya State University (NVSU) continues to commit as a strong partner for community development in the local, regional and national fronts amidst the pandemic. In 2020, it continually executed its best performance and look for opportunities that can be harnessed in order to adjust to the new normal.

With the efforts of the program, the success of RET in the performance of the University's function was evident in the following milestones this 2020:

### 1. Project Updates

Seven (7) externally-funded projects were approved for implementation for the first quarters of 2020 generating total funds of PhP 27,697,708.88 from Department of Science and Technology—Regional Office 02 (DOST R02), Philippine Rice Research Institute (PhilRice) and Department of Agriculture - Bureau of Agricultural Research (DA-BAR).

Sixteen (16) researches were successfully implemented by the faculty researchers of the different colleges and RET personnel of both campuses this 2020.

Forty-four (44) researches, projects/studies which are both externally and institutionally funded were implemented by researchers of the University this 2020.

Fourteen (14) project proposals were approved by the Board of Regents for Institutional funding this 2020-2021.

### 2. Award and Recognitions

Several (7) researchers were recognized for their research outputs and contributions in international, national, regional and local level. Among which are best paper presenter and best poster in various symposia/conferences. In total, there were 1 national, 1 regional and 6 local awards received for this year.

### 3. Paper Presentations

The University continues to commit in promoting the exceptional outputs of their researches, projects and studies globally, as marked by the participation of the University researchers in different fora from local to international arena.

University researchers presented their research outputs to their peers and external evaluators during the 17th University In-House Review of Completed and On-going projects last October 22-23, 2020. As a result, 40 papers of on-going and completed projects under the Research, Development, Higher Education and Social Sciences were presented.

#### 4. Publications

The University continues to dedicate in promoting the exceptional works and inventions of the researchers in the international scale as marked by the 22 R and D outputs published in various international journals.

#### 5. Intellectual Properties

**Inventions** Eight(8) technologies, (6 Utility Models and 2 Industrial Designs) were filed for Intellectual Property Rights this 2020.

**Copyrights** Six (6) copyrights certificates were issued this 2020.

#### 6. Citations

There were three citations from five scholarly published research articles of the University researchers.

#### 7. Active Linkages

There were 35 active linkages for various Research, Development and Extension projects, and collaboration for technical and extension projects with local, regional, national and international (Taiwan) agencies for provision of resources, collaborative researches, and trainings this year. Of the 35 active linkages, 12 are new.

#### 8. Trainings and Technical Advisories

Amidst the pandemic, the Extension and Training Program was able to conduct 31 trainings/technical advisory. With this, a total of 1,131 clients were served by the different colleges of both campuses for various livelihood projects, agricultural production, homemaking and/or industrial technology, and other capability building activities.

#### 9. COVID-19 Initiatives

##### **NVSU We Heal As One: RET Supports NVSU Anti COVID-19 Project**

The University task force personally distributed face shields, alcohols, improvised personal protective equipment (PPE), aerosol boxes and relief goods among the different areas of the province.

##### **Plant, Plant, Plant Program: Enough Food Supplies this Pandemic**

In support of Secretary William A. Dar of the Department of Agriculture, NVSU through the Research, Extension and Training Program distributed 27 trays of tomato seedlings to selected Barangay Local Government Units (BLGU) of Bayombong.



## R and D Highlights

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### Unveiling of the Intellectual Property and Technology Business Management Office (IP-TBM) Office Marker of the Nueva Vizcaya State University

The establishment of the IP-TBM office is part of the implementation of the Department of Science and Technology—Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (DOST-PCAARRD) funded project "Enhancing the Intellectual Property and Technology Business Management (IP-TBM) Operations of the NVSU", which aims to strengthen the capacities of the Intellectual Property Rights (IPR) and Business Affairs offices of the NVSU and enhance technology commercialization activities.

The unveiling ceremony led by Dr. Andres Z. Taguiam - University President, Dr. Wilfredo A. Dumale, Jr. - Vice President for RET, Dr. Jonar I. Yago - Director for Research, Dr. Maribel S. Bacena, Director for Extension and Training and Dr. Blesila R. Ramos, project leader, was done at the NVSU RET building on July 29, 2020, where the IP-TBM office is situated.





The Nueva Vizcaya State University purchased a Scanning Electron Microscope (SEM) amounting to PhP 950,000.00 through funding support from the Department of Agriculture -Agriculture Competitiveness Enhancement Fund (DA-ACEF) and Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (PCAARRD).

The NVSU Scanning Electron Microscope Facility is supportive to the University's vision of becoming one of the leading accredited plant diagnostic centers in the country. Further, this can be utilized by students, faculty and researchers who are working on projects that require electron microscopy.

This facility is the first in the Cagayan Valley Region and is one of the four functional SEMs in the country. The other three SEMs are located in the University of the Philippines Los Baños, for biological specimen, University of the Philippine Diliman for material Science, and in De La Salle University.



## 17<sup>th</sup> University In-House Review (UIHR) of On-going and Completed RDE Projects

A total of 100 papers were reviewed with 38 completed and 62 on-going during the NVSU's 17<sup>th</sup> UIHR held last October 22-23, 2020 at NVSU Mini Theater, Bayombong, Nueva Vizcaya.

Category	Completed		On-going	
	No. of papers	No. presented	No. of papers	No. presented
Research	11	6	9	5
Development	0	0	20	17
Social Science	9	9	3	2
Higher Education	2	1	6	0
Total	22	16	38	24



## R&D Project Updates

### A. RESOURCE GENERATION

Seven externally-funded projects were approved for implementation in 2020 generating total funds of Php 27,697,708.88 from DOST R02, PhilRice and DA-BAR.

N o.	Project Title	Proponents	Duration of Project	Funding Agency	Budget (Php)
1	Development of Formulated Entomopathogenic Fungi (EPF) as Biofungicide Against Tomato Black Leaf Mold (TBLM)	Jonar I. Yago, Ramon P. Bangao, Jr., and Fil-art Marie B. Baltazar	2020-2023	DA-BAR	6,325,948.08
2	Multi-location Adaptation Trial for the Irrigated Lowland Inbred Entries (NCT-MAT); and National Cooperative Test for Cool Elevated area (NCT-CE)	Elbert A. Sana	2020	PhilRice	481,800.00
3	A Community-Based Enterprise on Instant Tilapia Cream Soup Production and Commercialization	Chery C. Lacaden, Gina Leah A. Dizon, Cristina R. Salvosa, Andres Z. Taguiam, and Ramon P. Bangao, Jr.	2020-2021	DA-ACEF	5,000,000.00
4	Development of a Novel Processing Facility for the Conversion of Agricultural Products to Ethyl Alcohol	Lori Shayne A. Busa	2020-2021	DOST 02	889,960.80
5	Enhancing Tissue Culture and Macro-propagation of Saba: Cagayan Valley's Planting Material Support System for Banana	Elbert A. Sana	2020-2022	DA-BAR	5,000,000.00
6	Upgrading of Indoor and Controlled Button Mushroom Production Facility at Nueva Vizcaya State University	Maribel S. Bacena, Jonar I. Yago, Wilfredo A. Dumale, Jr., and Ramon P. Bangao, Jr.	2020-2021	DA-ACEF	5,000,000.00
7	Upgrading of Tissue Culture Production Facility of Triploid Hybrid (abb) Saba Banana Cultivar at Nueva Vizcaya State University	Wilfredo A. Dumale, Jr., Jonar I. Yago, Analiza L. Esguerra, and Ramon P. Bangao, Jr.	2020-2021	DA-ACEF	5,000,000.00
<b>Total</b>					<b>27,697,708.88</b>

## B. List of Projects

### Completed

A total of 16 researches were successfully implemented by the faculty researchers of the different colleges and RET personnel of both campuses this 2020.

No.	Project Title	Proponents
1	Spatial Information Support for Field Laboratory for Courses in Forestry and Allied Curricular Programs Study Title: Methodologies of Image Analysis-based Leaf Area Measurement	Arvin P. Vallesteros, Shierel F. Vallesteros, Marlon U. Saludarez, Heidi A. De Guzman, and Erick Jhay C. Maestre
2	Substrate Formulations for African Night Crawler ( <i>Eudrilus eugeniae</i> ) Enhanced with <i>Ipomoea aquatic</i>	Yolina T. Castañeto, Elmer T. Castañeto, and Rogelio P. Pascua
3	Alternative Propagation Techniques for Indigenous Forest Trees: Clonal Propagation of Indigenous Tree Species using Stem Cuttings	Yolina T. Castañeto and Elmer T. Castañeto
4	Efficacy Evaluation of Biopesticides derived from Entomopathogenic Fungi (EPF) Against Rind Borer and Twig Blight Disease (TBD) of Citrus	Jonar I. Yago and Andres Z. Taguam
5	P2: Gene Bank and Database Profile of Citrus Genetic Resources	Ma. Cecilia I. Salas, Vilchor Perdido, and Aldwin D. Pablo
6	P4: Development of Pest and Disease Management Systems for Sustainable Citrus Production in Cagayan Valley	Jonar I. Yago, Elmerito T. Irabagon, and Ferdinand B. Arcala
7	Assessing Selected Pineapple-Based Cooperatives in Region 02: Using the Strategic Audit Framework	Cristina R. Salvosa, Josue A. Chua, and Daren S. Erana
8	Success of Agricultural Cooperatives in Region 02: The Case of Nangalisan Multi-Purpose Cooperative	Cristina R. Salvosa and Fil-Art Marie B. Baltazar
9	Turmeric Ginger with Ginger Bits: An Artisanal Ice Cream	Evangeline C. Remolazo, Marites M. Fronda, Joan M. Nebrida, Michelle A. Abalos, Marvin Jay A. Tagnong, and Ermelinda P. Depayso

No.	Project Title	Proponents
10	Market and Financial Performance of Agricultural Cooperative in Region 02: The Case of Cavitenno-Isabelino Agricultural Cooperative	Cristina R. Salvosa and Daren S. Eraña
11	Value Chain Mapping of Selected Vegetables in Nueva Vizcaya	Josue A. Chua, Cherrie Prella DG. Pascual, and Renalee V. Valenzuela
12	Buhay Kontraktwal: Narratives of the Lived Experiences of Contract of Service Employees	Albert Garcia, Gerald F. Lobeban, and Maria Rousselle G. Jandoc
13	Isinay in the Home: Rapid Appraisal Survey on Family Language Attitudes on Severely Endangered Language	Sheena Lyn V. Ramos and Alvin B. Felix
14	Stakeholders Mapping for the Public Utility Vehicle Modernization Program (PUVMP) in Region 02	Cristina R. Salvosa, Claire R. Rolla, Dolores B. Galvez, Josue A. Chua, and Cherrie Prella DG. Pascual
15	Compliance to the Code of Ethics for Professional Teachers among Faculty Members	Juanita B. Pascua and Jane D. Navalta
16	Correlates Between the Four Model of Cultural Intelligence among the Teachers of a Secondary Educational Institution In Nueva Vizcaya	Imelda S. Ocampo and Lionel Luis F. Dumelod

## On-going

A total of 44 researches, projects and studies which are both externally and institutionally funded are being implemented by researchers of the University this 2020.

No.	Project Title	Proponents
1	Field Testing, Pilot Scale Production and Market Study of Locally-Developed Bioinsecticide for Eggplant	Ferdinand B. Arcala
2	Development of Microfluidic Paper-based Analytical Devices (μPADs) for the Detection of Diarrhea-causing Pathogens in Water	Lori Shayne A. Busa, Gina Leah A. Dizon, Daniel Marvin B. Ramel, and Jose R. Comia, Jr.
3	CRR4DCV P5: Development and Verification of Soil and Water Management Strategies for Citrus Production	Wilfredo A. Dumale, Jr., Jessie Pascual P. Bitog, Marnellie L. Pini, Roval D. Butac, and Jerwin D. Osdon
4	Philippine Isolates of Entomopathogenic Fungi as Potential Source of Microbial Agents Citrus Rind Borer (CRB) and Twig Blight Disease (TBD) of Citrus	Jonar I. Yago, Lori Shayne A. Busa, Melvin R. Cuban, Jose R. Comia Jr., Jo-Eliz M. Gonzales, Samboy G. Gilo, and Alvin V. Galamay
5	Development of Formulated Entomopathogenic Fungi (EPF) as Biofungicide against Tomato Black Leaf Mold (TBLM)	Jonar I. Yago, Fil-art Marie B. Baltazar, and Ramon P. Bangao, Jr.
6	Development and Performance Evaluation of a Portable Essential Oil Extractor	Fitzgerald L. Fabelico and Frankie M. Ramos
7	Nueva Vizcaya Dagwey as a Potential Bioactive Source of Natural Pharmaceutical, Nutraceutical and Cosmoceutical Products	Fitzgerald L. Fabelico and Daniel Marvin B. Ramel
8	NVSU Waste Assessment and Characterization System: A Benchmark Study for the Acceptability of the University Solid Waste Management Program	Rogelio P. Pascua and Elmer T. Castañeto
9	Vermiponics Technology for Organic Leafy Vegetable Production	Rogelio P. Pascua, Elmer T. Castañeto, and Yolina T. Castañeto
10	Enhancing the Intellectual Property and Technology Business Management (IP-TBM) Operations of the Nueva Vizcaya State University	Blesila R. Ramos and Josue A. Chua

No.	Project Title	Proponents
11	Financial Literacy and Social Entrepreneurship	Josue A. Chua
12	Establishment of Demonstration Farm in the College of Agriculture	Blesila R. Ramos
13	Karunungan, Kakayahan at Kabuhayan para sa mga Mag-aaral at Mamamayan	Demetria A. Corpuz and Ronnie F. Castañeda
14	Project MASOC: Movement for an Active, Stable, and Organized Community	Gerald F. Lobeban
15	Empowering Communities through Development and Livelihood Project	Florie Jean C. Vicente
16	Establishment of Agroforestry Demonstration Farm, <i>cum</i> Livelihood Projects	Susana C. Osingat and Shierel F. Vallesteros
17	<i>Beterinaryo sa Baryo</i> Extension Program	Melvin O. Allama
18	Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity	Sony P. Aquino
19	Project COL 3	Evelyn R. Layno
20	Pagadalan iti Barangay: A Unified Open College towards an Interdisciplinary Approach in Research and Extension Continuum	Blesila R. Ramos and Edwin P. Ramos
21	The Functional Literacy Program: P1: Munting Paaralan: Habang Buhay na Kaalaman; P2: Tulong, Dunong, Sulong; P3: Skills Training on Meat Processing and T-shirt Printing	Hana Gay D. Mejia
22	Technical Services and Values Formation for the Barobbob Watershed Occupant	Micah Ryan B. Ramel
23	“Handog Kaalaman at Serbisyong Pangteknikal”: Training-Workshop on Basic Electricity, Basic Electronics System, Computer Literacy and Shop & Industrial Processes	Jane P. Agbanlog
24	Vermicompost Production and Technology Dissemination	Elmer T. Castañeto, Rogelio P. Pascua, and Jovien L. Ansibey



No.	Project Title	Proponents
25	Skills Training: “Teknikal na Kaalaman, Kahusayan para sa Kabuhayan	Marife A. Aliaga and Rogelio M. Abalos, Jr.
26	Development of a Novel Processing Facility for the Conversion of Agricultural Products to Ethyl Alcohol	Lori Shayne A. Busa and Jose R. Comia
27	Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub”	Cristina R. Salvosa, Wilfredo A. Dumale, Jr. and Sheena Lyn V. Ramos
28	PHASE 2: KLABS 21: A Web-based Trading System of Fruits and Vegetables	Ian Kim P. Seligbon, Percival B. Labog, and Ryan Victor D. Bautista
29	Commercializing Whole Corn Macropropagation Technology for Lakatan and Bungulan: A Viabe Livelihood Option for Banana Farmers in Nueva Vizcaya	Elbert A. Sana
30	A Community-Based Enterprise on Instant Tilapia Cream Soup Production and Commercialization	Chery C. Lacaden, Gina Leah A. Dizon, Cristina R. Salvosa, Andres Z. Taguiam, and Ramon P. Bangao, Jr.
31	Rama’: A Locally-Based Practice in a Philippine Fishing Community	Fermila R. Cauilan and Mild R. Hombrebueno
32	Flowing Down Magat River: The Story of Five Tributaries	Joan A. Pinon
33	Cultural Mapping of Ethnographic Objects: Processes, Complexities and Trajectories	Mild R. Hombrebueno and Ma. Rouselle Jandoc
34	Revisiting Cultural Transition: Mapping of Significant Religious Artifacts in Bayombong, Nueva Vizcaya, Philippines	Elson Boie Tumaneng and Romana P. Dulnuan

No.	Project Title	Proponents
35	Caught in the Middle: Doing Research with Indigenous Cultural Communities and the Government	Lorna L. Oligo and Jubert B. Oligo
36	Students' Gender and Sexuality in Nueva Vizcaya State University — Bayombong Campus	Maria Rousselle G. Jandoc and Angel L. Genato IV
37	Flora and the Ifugao World of Rituals and Traditions	Joseph E. Bubod and Romana P. Dulnuan
38	Climate-Change Mitigation Practices' Audit of Hospitality Establishments in Nueva Vizcaya: The Application of ASEAN Green Criteria	Marcelino T. Razalan, Jr., Allen Mark A. Razalan, Rhea L. Adriatico, and Chrizel Mae V. Pagbilao
39	Gender Responsiveness of Guidance and Counseling Centers	Maria Rousselle G. Jandoc and Lorna L. Oligo
40	Project Title: Effectiveness of Student Affairs and Services of NVSU Bambang Campus Study Title: Effectiveness of Student Welfare Programs and Services of the Nueva Vizcaya State University — Bambang Campus: 2016-2018 Graduating Students Acuity	Carlo F. Vadil, Shelita Sandra H. Jubay, and Floralyn Agaran
41	Employment, Learning Experiences and Job Perspectives Among BS Biology Graduates SY 2014-2018	Mercy T. Las Marias and Noel C. Cardona Jr.
42	The Outlook of College of Business Economics Alumni: A Tracer Study	Chery C. Lacaden
43	Hospitality Management Students Preparedness and Industry Perspectives on Employability of Graduates	Allen Mark A. Razalan
44	Faculty Members' Perspectives and Practices on Assessment of Students	Jane D. Navalta, Juanita B. Pascua, Cherry Ann P. Navalta, Josefina S. Sana, Marielo D. Cadiz, and Jay-ar A. Castriciones

### C. Newly Approved Institutionally-Funded Projects

A total of 14 project proposals were approved by the Board of Regents for Institutional funding.

No.	Title	Proponents	College
<b>BAYOMBONG CAMPUS</b>			
1	Extending NVSU e-Services thru Wireless Connectivity: A COVID-19 Mitigation and Response	Dr. Romeo P. Evangelista (Project leader)  Dr. Carmelo Alejo D. Bisquera M. Vilchor G. Perdido Mrs. Rodelyn M. Aguinaldo Mr. Renato V. Sales Mr. Christopher A. Gurat Mr. Napoleon M. Mendoza Ms. Flory Ann D. Patricio Mr. Jason Roy C. Irabagon Mrs. Laarni O. Bartolome Mrs. Armilyn H. Wais Ms. Nilda N. Dela Cruz Engr. Jyrus D. Cadiente Mr. Emmanuel Danguilan Mr. Michael R. Lacar Mr. Lemuel C. Sanchez Ms. Carlita G. Segundo Mr. Sharwin V. Cacal	College of Arts and Sciences, Bayombong Campus
2	Bioethanol Production from Citrus Waste	Adornado C. Vergara	College of Engineering, Bayombong Campus
3	Extent of Pineapple Industry in the Province of Nueva Vizcaya	Adornado C. Vergara	College of Engineering, Bayombong Campus
4	Carbon Stock of Trees at NVSU Arboretum	Yolina T. Castaneto	College of Forestry

No.	Title	Proponents	College
<b>BAMBANG CAMPUS</b>			
5	Kalanguya Oral Narratives: Repertory of Literary Footmarks and their Sociocultural Devices	Jenifer Raymond R. Tallungan And Girlie F. Salas	College of Teacher Education College of Arts and Sciences- Bambang Campus
6	Phytochemical, Antioxidant, Cytotoxic, and Antimicrobial Properties of the Endemic dagwey ( <i>Saurauia subglaba</i> Merr.) of the Philippines	Fitzgerald F. Fabelico	College of Teacher Education, Bambang Campus
7	Emotional Correlates in Second Language Learning among IP Students of a Multicultural Academic Community	Jenifer Raymond R. Tallungan, Eva Liza D. Basconcillo, Martia F. Bancual, Girlie F. Salas, and Mary Gay T. Aguila	College of Teacher Education College of Arts and Sciences- Bambang Campus
8	Professional Development as Correlate with Performance Commitment among Faculty Members of a State University in Cagayan Valley	Jenifer Raymond R. Tallungan, Marita F. Fernandez, and Andres Z. Taguiam	College of Teacher Education- Bambang Campus
9	Task-based Learning Approach and Assessment Skills of Prospective Teachers	Jenifer Raymond R. Tallungan	College of Teacher Education- Bambang Campus
10	Development of e-KIDLAT: A Management Information System for National Service Training Program	Ian Kim P. Seglibon and Deomedes S. Ranjo, Jr., Hilario M. Esteban	College of Industrial Technology College of Arts and Sciences Bambang Campus
11	Redesigning of Computer Programming Syllabus Based on CDIO Concept	Irel V. Derjie and Vilma M. Santos	College of Industrial Technology
12	Organoleptic Characteristics and Acceptability of Goby Sardines in Tomato Sauce	Dondon T. Dagdag	College of Industrial Technology
13	Development of IMSOS: A Supply Office Inventory Management System	Irel V. Derjie, Ian Kim P. Seglibon, and Vilma M. Santos	College of Industrial Technology
14	The Multi-Purpose Weaving Loom	Deomedes S. Ranjo, Jr	College of Industrial Technology

## D. Establishing the Sabatan:

### The Nueva Vizcaya State University Technopreneurs Hub

Project leader: Dr. Cristina R. Salvosa

- ✓ Awareness and promotion campaign:
  - College of Engineering (February 12, 2020)
  - College of Business Education (February 20, 2020)
  - College of Arts and Sciences (February 26, 2020)
- ✓ Sabatan Business Pitch (February 28, 2020)
- ✓ Conducted the following activities to the incubatees and potential incubatees:
  - Planning Workshop with the Incubatees: June 19, 2020
  - Product Costing and Market Readiness Level (MRL) Workshop (First Batch): June 24, 2020
  - Workshop on Technology Readiness Level (TRL), Product Costing and Market Readiness Level (MRL) (Batch 2) : June 26, 2020
  - Workshop on Marketing Mix : July 1, 2020
  - Sensory Evaluation of the Instant Tilapia Cream Soup: July 23, 2020
  - Technology Branding: July 28, 2020
  - Meet the Mentors (One on one): August 07, 2020
  - Meeting With Business Mentors: August 14, 2020
- ✓ Technology Business Pitch of the Mushroom Substrate Bagger and Biomass Shredder with the Nueva Vizcaya Mushroom Growers And Processors Association last July 28, 2020

MOA Signing: The Recirculating Biomass Shredder with the Nueva Vizcaya Mushroom Growers and Processors Association: August 10, 2020

Site Testing of the “Recirculating Blade Biomass Shredder” with the Nueva Vizcaya Mushroom Growers And Processors Association: August 18, 2020





## E. Enhancing the Intellectual Property and Technology Business Management (IP-TBM) Operations of the NVSU

Project leader: Dr. Blesila R. Ramos

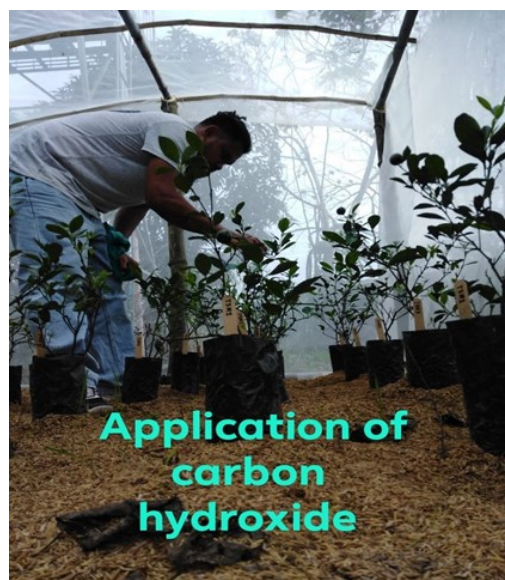
- ✓ Unveiling of the Intellectual Property and Technology Business Management Office (IP-TBM) Office Marker of the Nueva Vizcaya State University: July 29, 2020
- ✓ Series of Ad-hoc meeting for IP Policy and Tech Transfer Protocol
- ✓ Seminar-Workshop on Technology Commercialization and Pitch Day (December 14, 2020)
- ✓ Intellectual Properties
  - 8 technologies (6 Utility Models and 2 Industrial Designs)
  - 6 copyrights certificates



## E. Philippine Isolates of Entomopathogenic Fungi as Potential Source of Microbial Agents for Citrus Rind Borer (CRB) and Twig Blight Disease (TBD) Of Citrus

Project leader: Dr. Jonar I. Yago

- ✓ There were 30 isolates collected from insects and arachnids from all over the Philippines. Each were pure cultured, morphologically characterized and subjected to DNA extraction and genomic sequencing for the confirmation of the identity. After identification, only the identified *Beauveria bassiana*, *Isaria fumosorosea* and *Metarrhizium anisopliae* were used for the succeeding experiments.
- ✓ Five isolates of entomopathogenic fungi which includes *Isaria fumosorosea* (Kasibu, Nueva Vizcaya), *Beauveria bassiana* (BPI, Davao City and Abuyog, Leyte), and *Metarrhizium anisopliae* (BPI, Davao City and Abuyog, Leyte) were used to test as potential biocontrol to Citrus Rind Borer (CRB) larvae and *Hematonectria hematococca* – fungus causing Twig Blight Disease (TBD). Spores solution were sprayed to larvae and observed pathogenicity for 120 hours at 12-hour interval. Fixed and observed under stereomicroscope and Scanning Electron Microscope (SEM). Showing efficacy to CRB larvae.
- ✓ Antifungal assay was conducted to test the efficacy of EPF to TBD. Volatile, non-volatile compounds and crude extract was used in Dual Culture Method and Cellophane Overlay Method, Observation under light microscopy showed the disruption of fungal hyphae, lysis, and abnormalities such as wrinkling and shrinking of hyphae, shorted branching and coiling of hyphae. Showing efficacy to TBD.
- ✓ Confirmation of enzyme activity was also conducted to determine the Extracellular Cell Wall Degrading Enzyme (ECWDE). Isolates were inoculated to different media containing different enzyme inducers for lipase, protease, cellulase and chitinase. Chitinase activity was observed.
- ✓ In vivo assay was also conducted to determine the efficacy of the EPF isolates in screen house condition. (on-going)



## F. Commercializing Whole Corm Macro-propagation Technology for *Lakatan* and *Bungulan*: A Viable Livelihood Option for Banana Farmers in Nueva Vizcaya

Project leader: Dr. Elbert A. Sana

- ✓ The LGU Villaverde fully supported the project and assigned a focal person from the municipal agriculture office (MAGRO) to assist the team in project implementation. The team conducted project briefing with BIGAS officials through an orientation meeting held at the project site on April 08, 2019. The MOA was finalized and signed by the parties.
- ✓ The upgrading of BIGAS nursery has been completed despite delays due to COVID 19 pandemic. The structure has a section for mother plants and macropropagation and is covered with 32-mesh screen for insect proofing. Indexed Lakatan and Cavendish as mother plant sources of sword suckers for macropropagation has been established in the screenhouse last November 2020.
- ✓ The assembly of 10 units macrobeds proceeded on schedule and was finished by August 2019. Seven units were delivered to the project site and are currently being used for plantlet production. Three of the units have been used in NVSU for the actual engagement of the project in macro-propagation. NVSU screenhouse was also reinforced with 32-mesh screen net. The improved facility serves as the grow-out nursery for initial establishment of both meriplants and macro-propagated seedlings in individual bags.
- ✓ As quality control for handling source mats and macro-propagated plantlets the project indexed for BBTV a total of 148 mats consisting of Lakatan, Bungulan and other banana cultivars. Suckers from indexed mats were collected and used for macro-propagation. Only those mats negative for infection served as sources of suckers. NVSU used plate-trap antigen immunosorbent assay (PTA-ELISA) and polymerase chain reaction based protocol for detecting BBTV.
- ✓ The project facilitated the training on macro-propagation for five BIGAS officials and members on August 20, 2020 at the project site in Sawmill, Villaverde. The training was also participated in by invited partners from NVSU, NV-PLGU, MAGRO, Villaverde, DA-RFO2 and Brgy. Council of Sawmill. T
- ✓ The project was able to produce a total of 3,558 plantlets. Of this, 2,558 were initially produced in NVSU and 1,000 in BIGAS nursery. Plantlet production in BIGAS nursery started just after the completion of the nursery. The project realized a rate of 20-25 plantlets per sucker from macro-propagation in the two banana cultivars.





## G. Development of a Novel Processing Facility for the Conversion of Agricultural Products to Ethyl Alcohol

Project leader: Dr. Lori Shayne A. Busa

- ✓ Facilitated the conduct of Inception Meeting for the project on October 12, 2020 at 9:00 AM at the NVSU RET Hall
- ✓ Coordination with General Manager of Nueva Vizcaya Agricultural Terminal (NVAT), Bambang, Nueva Vizcaya on October 26, 2020 for possible collaboration re: implementation of DOST R02-funded project on ethanol production
- ✓ Conducted interviews with farmers and traders of NVAT and visited the Sanitary Land Fill of Bambang, Nueva Vizcaya re: waste disposal of NVAT necessary for the implementation of DOST R02-funded project on ethanol production



## I. Project 5: Development and Verification of Soil And Water Management Strategies for Citrus Production

Project leader: Dr. Wilfredo A. Dumale, Jr.

- ✓ Visited and validated the experimental trial for the convergence trial. Established the convergence trial.
- ✓ Two best irrigation treatments and two best fertilizer treatments were used in the convergence trial.
- ✓ Conducted soil and plant sampling in the convergence trial.
- ✓ Determined the Total Soluble Solid (TSS) of the harvested fruits. As a result, Treatment 4 (100% Recommended Rate (RR) using Conventional Fertilizer with 75% soil moisture) gave the sweetest level among other treatments.
- ✓ Based on the consolidated data of harvest, the 100% Recommended Rate (RR) using Conventional Fertilizer with 75% soil moisture attained the highest number of fruits and yield numerically.





## J. Development of Microfluidic Paper-Based Analytical Devices ( $\mu$ PADs) for the Detection of Diarrhea-Causing Pathogens in Water

Project leader: Dr. Lori Shayne A. Busa

- ✓ Established the first microfluidics laboratory in the region located in the RET building, NVSU Bayombong Campus with complete set of equipment and Laboratory supplies and reagents.
- ✓ Created and optimized the design of four (4)  $\mu$ PAD templates intended for six proposed assay systems:
- ✓ Three biochemical-based, three immunoassay-based.
- ✓ Optimized the inkjet printing method for the mass fabrication of the four device templates utilizing siloxane-based ink reagents.
- ✓ The three proposed biochemical-based assay systems have been optimized and tested against pure bacterial cultures of pathogenic *E. coli*.
- ✓ Abstracts for one oral presentation and five poster presentation of the device's assay systems have been accepted to the Pacificchem Congress 2020 to be held in Honolulu, Hawaii on December 2020, however, rescheduled on December 2021 due to the effects of COVID-19 pandemic.



## H. Field Testing, Pilot Scale Production and Market-Study of Locally-Developed Bioinsecticide for Eggplant

Project leader: Dr. Ferdinand B. Arcala



- ✓ Market Survey in the four provinces of Region 2 was completed.

- As part of the market study, the project team visited and interviewed 60 eggplant farmers in each of the four provinces of the region 2 (namely: Nueva Vizcaya, Isabela, Quirino and Cagayan).
- Moreover, some of the agricultural supply in each of the provinces were interviewed to determine the demand and supply of the available organic insecticide in the market.



- ✓ Shelf-life test of the Bioinsecticide

- The project team conducted a shelf-life test of the Bioinsecticide product for four months with different temperature (a. room temperature, b. air conditioned, and c. refrigerated)



- ✓ Wettable powder formulation

- The project team were able to prepare only 25% or 375 kgs of the target wettable powder (1,500 kgs). Due to COVID 19 Pandemic, several materials and ingredients were delayed.

- ✓ Isaria Fumosorosea culture

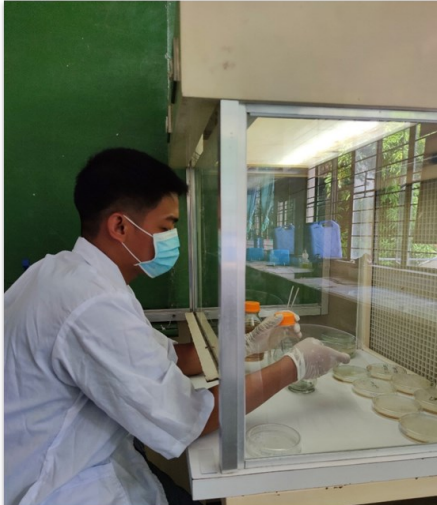
- The project team cultured 500 petri plates of Isaria Fumosorosea.

- ✓ Field testing in Bonfal Proper East, Bayombong and Bagahabag, Solano

- The study is required to conduct a field testing to demonstrate the proper use and test the effectivity of the product. The project team were able to conduct field testing in two different sites (Bonfal Proper East, Bayombong and Bagahabag, Solano).

## K. Development of Formulated Entomopathogenic Fungi (EPF) as Biofungicide Against Tomato Black Leaf Mold (TBLM)

Project leader: Dr. Jonar I. Yago



- ✓ Conducted survey on the disease prevalence and intensity of Tomato diseases in Nueva Vizcaya
- ✓ Coordinated with the municipal mayor and municipal agriculturist during the conduct of survey
- ✓ Gathered and analyzed data on the prevalence and intensity of Tomato diseases in Nueva Vizcaya
- ✓ Identified 10 farmer cooperators of Tomato in Nueva Vizcaya
- ✓ Conducted assay on the determination of best EPF formulation as biopesticides using different substrates
- ✓ Isolated EPF from infected insects
- ✓ Prepared and mass produced EPF cultures
- ✓ Prepared Tomato seedlings in the screen house
- ✓ Conducted field trial on the growth and performance of Diamante max and Prima varieties of Tomato





## L. A Community-based Enterprise on Instant Tilapia Cream Soup Production and Commercialization

Project leader: Dr. Chery C. Lacaden

- ✓ Inception meeting & consultative meeting with growers, PLGU and NVSU Administration and Finance.
- ✓ Initial production and product prototyping.
- ✓ Nutritional analysis.
- ✓ Presented initial progress report during the NVSU In-house Review.
- ✓ Consultative meetings with Food Manufacturing Plants in Quezon City and Bulacan



## M. Enhancing Tissue Culture and Macro-propagation of Saba: Cagayan Valley's Planting Material Support System

Project leader: Dr. Elbert A. Sana

- ✓ Virtual Inception Meeting on October 9, 2020
- ✓ Formalized partnership with Quirino State University and Department of Agriculture - Cagayan Valley Research Center
- ✓ Training on Banana Macro-propagation on December 18, 2020
- ✓ A total of 87 mats indexed for BBTV
- ✓ A total of 19 suckers tissue cultured
- ✓ A total of 120 suckers macro-propagated





## O. Mushroom Development Project

Project leader: Dr. Maribel S. Bacena

- ✓ Conducted four trainings with 135 participants
- ✓ Provided technical advisory to 148 clients
  - 136 walk-in clients on mushroom production
  - 12 on-line clients on mushroom production
- ✓ Generated an incidental income from sales of spawn, fruiting bags, fresh and processed mushroom) amounting to Php 29,430.00





## P. Agricultural Education Outreach Program Nursery Project

Project leader: Mr. Esmeraldo T. Razalan

- ✓ The AEOP Nursery continuously propagate fruit trees such as Mango, Marang, Rambutan, Durian, Longan, Lanzones, and Jackfruit.
- ✓ A total of 2679 seedlings were repotted this 2020.
- ✓ The project generated an incidental income amounting to PhP 223,205.00 from sales of seedlings and fresh fruits.



# Awards and Recognitions

S&T Awards and Recognition: PCAARRD @9: Recognizing Excellence "GALING" Amidst the Pandemic



## Best Research Paper Award

First Place

"Harnessing Entomopathogenic Fungi (EPF) for the Control of Citrus Rind Borer (CRB) (*Prays endolemma* Diakonoff) on Satsuma Mandarin (*Citrus unshiu*)"

Jonar I. Yago, Elmerito T. Irabagon, Lori Shayne A. Busa, Melvin R. Cubian, Jo-Eliz M. Gonzales, Mark Christopher E. Valdez, Jessie I. Yago, Billy Joe N. Llantero, and Kuan-Ren Chung





Several researchers were recognized for their research outputs and contributions in international, national, regional and local level. Among which are best paper presenter and best poster in various symposia/conferences. In total, there were 1 national, 1 regional and 6 local awards received for this year.

Title of Award	Proponents/ Awardee	Awarding Body	Date & Venue
<b>NATIONAL</b>			
<b>NSAARRD Best R&amp;D Paper Award</b>	Jonar I. Yago	DOST-PCAARRD	December 22, 2020
		PCAARRD @ 9: Recognizing Excellence "GALING" Amidst the Pandemic	<i>Virtual</i>
<b>REGIONAL</b>			
<b>2<sup>nd</sup> Place, Best Poster for Development Category</b>	Elbert A. Sana	CVAARRD	November 11-12, 2020
<i>Commercializing Whole Corm Macropropagation Technology for Lakatan and Bungulan: A Viable Livelihood Option for Banana Farmers in Nueva Vizcaya</i>		31 <sup>st</sup> CVAARRD Virtual Regional Symposium on R&D/E Highlights	<i>Virtual</i>
<b>LOCAL</b>			
<b>1<sup>st</sup> Place, Best Paper for Research Category</b>	Arvin P. Vallesteros, Shierel F. Vallesteros, Marlon U. Saldares, Heidi A. De Guzman, and Erick Jhay C. Maestre	NVSU	October 22-23, 2020
<i>Spatial Information Support for Field Laboratory for Courses in Forestry and Allied Curricular Programs Study Title: Methodologies of Image Analysis-based Leaf Area Measurement</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>
<b>2<sup>nd</sup> Place, Best Paper for Research Category</b>	Josue A. Chua, Cherie Prella DG. Pascual, and Renalee V. Valenzuela	NVSU	October 22-23, 2020
<i>Value Chain Mapping of Selected Vegetables in Nueva Vizcaya</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>
<b>3<sup>rd</sup> Place, Best Paper for Research Category</b>	Yolina T. Castañeto and Elmer T. Castañeto	NVSU	October 22-23, 2020
<i>Alternative Propagation Techniques for Indigenous Forest Trees: Clonal Propagation of Indigenous Tree Species using Stem Cuttings</i>		,	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>

Title of Award	Proponents/ Awardee	Awarding Body	Date & Venue
<b>LOCAL</b>			
<b>1<sup>st</sup> Place, Best Paper for Development Category</b>	Ian Kim B. Seligbon, Percival B. Labog, and Ryan Victor D. Bautista	NVSU	October 22-23, 2020
<i>PHASE 2: KLABS21: A Web-based Trading System of Fruits and Vegetables</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>
<b>2<sup>nd</sup> Place, Best Paper for Development Category</b>	Elbert A. Sana	NVSU	October 22-23, 2020
<i>Commercializing Whole Corm Macropropagation Technology for Lakatan and Bungulan: A Viable Livelihood Option for Banana Farmers in Nueva Vizcaya</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>
<b>3<sup>rd</sup> Place, Best Paper for Development Category</b>	Cristina R. Salvosa, Wilfredo A. Dumale, Jr., Sheena Lyn V. Ramos, and Noemi Binuhi	NVSU	October 22-23, 2020
<i>Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>
<b>1<sup>st</sup> Place, Best Paper for Social Science Category</b>	Cristina R. Salvosa, Claire R. Reginalde, Dolores B. Galvez, Josue A. Chua, and Cherrie Prella DG. Pascual	NVSU	October 22-23, 2020
<i>Stakeholders Mapping for Public Utility Vehicles Modernization Program (PUJMR) in Region 2</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>
<b>2<sup>nd</sup> Place, Best Paper for Social Science Category</b>	Sheena Lyn V. Ramos and Alvin B. Felix	NVSU	October 22-23, 2020
<i>Isinay in the Home: Rapid Appraisal Survey on Family Language Attitudes on Severely Endangered Language</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>
<b>3<sup>rd</sup> Place, Best Paper for Social Science Category</b>	Albert Garcia, Gerald F. Lobeban and Maria Rouselle G. Jandoc	NVSU	October 22-23, 2020
<i>Buhay Kontraktwal: Narratives of the Lived Experiences of Contract of Service Employees</i>		17 <sup>th</sup> University In-House Review of Completed and On-going Projects	<i>NVSU Mini Theater, Bayombong, Nueva Vizcaya</i>

## Paper Presentations

The University continues to commit in promoting the exceptional outputs of their researches, projects and studies globally, as marked by the participation of the University researchers in different fora from local to international arena.

University researchers also pursued their researches and presented these to their peers and external evaluators during the 17th University In-House Review of Completed and On-going projects last October 22-23, 2020. As a result, 40 papers of on-going and completed projects under the Research, Development, Higher Education and Social Sciences were presented.

National	Regional	Local	Total
6	6	40	52

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>NATIONAL</b>				
1	I and Thou: Educational Lessons on Martin Buber's Philosophy of Relationship	Albert A. Garcia	National Teacher Education Seminar-Workshop and Networking with the theme "ASEAN Integration: Graduate Teacher Education's Global Role for Research Advancement and Educational Reforms, Geronima Pecson Auditorium, Philippine Normal University, Taft Avenue, Manila City, Philippines	February 15-16, 2020
2	Health Practices and Ethnomedicinal Plants Used by	Yolina T. Castaneto/ Alvin Felix Noel Cardona Lorna Dumale	1 <sup>st</sup> International Research Conference in Computing, Engineering, Business, Sciences and Education (IRCCEBSE)/Virtual/ Isabela State University	October 28-29, 2020
3	Research Self-Efficacy, Interest in Research, Training Environment and Research Skills of Action Research Students: Towards the Enhancement of Relevant, Responsive and Quality Teacher Education Research	Hana Gay D. Mejia	1 <sup>st</sup> International Research Conference on Computing, Engineering, Business, Science and Education (IRCCEBSE)	October 28-29, 2020

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>NATIONAL</b>				
4	Behind the Gloomy shadow of Philippine Science Education: Scientific Epistemological Beliefs, Teaching Approaches, Students' Attitude and Achievement in Chemistry	Jennylin B. Carreon	1 <sup>st</sup> International Research Conference on Computing, Engineering, Business, Science and Education (IRCCEBSE)	October 28-29, 2020
5	Macropropagation of Lipote (Syzygium polyccephaloides) Using Stem Cuttings in Different Rooting Media	Yolina T. Castaneto and Elmer T. Castaneto	International Conference on Education, Environment and Agriculture  Virtual/ Central Bicol State University of Agriculture, Ghent University, APEAEN, DENR, and TRIAS	November 19-20, 2020
6	Harnessing Entomopathogenic Fungi (EPF) for the Control of Citrus Rind Borer (CRB) Prays endolemma Diakonoff on Satsuma Mandarin ( <i>Citrus unshiu</i> )	Jonar I. Yago	National Symposium on Agriculture, Aquatic and Natural Resources Research and Development	December 1, 2020
<b>REGIONAL</b>				
1	Image-based leaf area measurement in GIS software	Arvin P. Vallesteros, Shierel F. Vallesteros, Marlon U. Saldares, Heidi A. De Guzman, and Erick Jhay C. Maestre	31 <sup>st</sup> CVAARRD Virtual Regional Symposium on R&D/ E Highlights  CVAARRD	November 11-12, 2020
2	Value Chain Mapping of Selected Vegetables in Nueva Vizcaya	Josue A. Chua, Cherie Prella DG. Pascual, and Renalee V. Valenzuela	31 <sup>st</sup> CVAARRD Virtual Regional Symposium on R&D/ E Highlights  CVAARRD	November 11-12, 2020

No.	Title	Presenter/ Researchers	Title of Conference/ Venue/ Organizer	Date
<b>REGIONAL</b>				
3	Alternative Propagation Techniques for Indigenous Forest Trees: Clonal Propagation of Indigenous Tree Species using Stem Cuttings	Yolina T. Castañeto and Elmer T. Castañeto	31 <sup>st</sup> CVAARRD Virtual Regional Symposium on R&D/E Highlights  CVAARRD	November 11-12, 2020
4	PHASE 2: KLABS21: A Web-based Trading System of Fruits and Vegetables	Ian Kim B. Seligbon, Percival B. Labog, and Ryan Victor D. Bautista	31 <sup>st</sup> CVAARRD Virtual Regional Symposium on R&D/E Highlights  CVAARRD	November 11-12, 2020
5	Commercializing Whole Corm Macropropagation Technology for Lakatan and Bungulan: A Viable Livelihood Option for Banana Farmers in Nueva Vizcaya	Elbert A. Sana	31 <sup>st</sup> CVAARRD Virtual Regional Symposium on R&D/E Highlights  CVAARRD	November 11-12, 2020
6	Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub	Cristina R. Salvosa, Wilfredo A. Dumale, Jr., Sheena Lyn V. Ramos and Noemi Binuhi	31 <sup>st</sup> CVAARRD Virtual Regional Symposium on R&D/E Highlights  CVAARRD	November 11-12, 2020
<b>LOCAL</b>				
1	Spatial Information Support for Field Laboratory for Courses in Forestry and Allied Curricular Programs Study Title: Methodologies of Image Analysis-based Leaf Area Measurement	Arvin P. Vallesteros, Shierel F. Vallesteros, Marlon U. Saludarez, Heidi A. De Guzman, and Erick Jhay C. Maestre	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
2	Substrate Formulations for African Night Crawler ( <i>Eudrilus eugeniae</i> ) Enhanced with Ipomoea aquatic	Yolina T. Castañeto, Elmer T. Castañeto, and Rogelio P. Pascua	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>LOCAL</b>				
3	Alternative Propagation Techniques for Indigenous Forest Trees: Clonal Propagation of Indigenous Tree Species using Stem Cuttings	Yolina T. Castañeto and Elmer T. Castañeto	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
4	Assessing Selected Pineapple-Based Cooperatives in Region 02: Using the Strategic Audit Framework	Cristina R. Salvosa, Josue A. Chua, and Daren S. Eraña	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
5	Success of Agricultural Cooperatives in Region 02: The Case of Nangalisan Multi-Purpose Cooperative	Cristina R. Salvosa and Fil-Art Marie B. Baltazar	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
6	Turmeric Ginger with Ginger Bits: An Artisanal Ice Cream	Evangeline C. Remolazo, Marites M. Fronda, Joan M. Nebrida,  Michelle A. Abalos, Marvin Jay A. Tagnong, and Ermelinda P. Depayso	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
7	Market and Financial Performance of Agricultural Cooperative in Region 02: The Case of Cavitenno-Isabelino Agricultural Cooperative	Cristina R. Salvosa and Daren S. Eraña	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
8	Value Chain Mapping of Selected Vegetables in Nueva Vizcaya	Josue A. Chua, Cherrie Prella DG. Pascual, and Renalee V. Valenzuela	17 <sup>th</sup> University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020



No.	Title	Presenter/ Researchers	Title of Conference/ Venue/ Organizer	Date
<b>LOCAL</b>				
9	Field Testing, Pilot Scale Production and Market Study of Locally-Developed Bioinsecticide for Eggplant	Ferdinand B. Arcala	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
10	Development of Microfluidic Paper-based Analytical Devices (μPADs) for the Detection of Diarrhea-causing Pathogens in Water	Lori Shayne A. Busa, Gina Leah A. Dizon, Daniel Marvin B. Ramel, and Jose R. Comia, Jr.	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
11	CRR4DCV P5: Development and Verification of Soil and Water Management Strategies for Citrus Production	Wilfredo A. Dumale, Jr., Jessie Pascual P. Bitog, Marnellie L. Pini, Roval D. Butac, and Jerwin D. Osdon	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
12	Philippine Isolates of Entomopathogenic Fungi as Potential Source of Microbial Agents Citrus Rind Borer (CRB) and Twig Blight Disease (TBD) of Citrus	Jonar I. Yago, Lori Shayne A. Busa, Melvin R. Cubian, Jose R. Comia Jr., Jo-Eliz M. Gonzales, Samboy G. Gilo, and Alvin V. Galamay	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
13	Development of Formulated Entomopathogenic Fungi (EPF) as Biofungicide Against Tomato Black Leaf Mold (TBLM)	Jonar I. Yago, Fil-art Marie B. Baltazar, and Ramon P. Bangao, Jr., Jessie I. Yago, Paulo Cumaling, Jonathan Soriano, Jeffery Gundran	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>LOCAL</b>				
14	Enhancing the Intellectual Property and Technology Business Management (IP-TBM) Operations of the Nueva Vizcaya State University	Blesila R. Ramos and Josue A. Chua	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
15	Financial Literacy and Social Entrepreneurship	Josue A. Chua	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
16	Establishment of Demonstration Farm in the College of Agriculture	Blesila R. Ramos	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
17	Karunungan, Kakayahan at Kabuhayan para sa mga Mag-aaral at Mamamayan	Demetria A. Corpuz and Ronnie F. Castañeda	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
18	Project MASOC: Movement for an Active, Stable, and Organized Community	Gerald F. Lobeban	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
19	Empowering Communities through Development and Livelihood Project	Florie Jean C. Vicente	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>LOCAL</b>				
20	Establishment of Agroforestry Demonstration Farm, <i>cum</i> Livelihood Projects	Susana C. Osingat	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
21	Beterinaryo sa Baryo Extension Program	Melvin O. Allama	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
22	Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity	Sony P. Aquino	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
23	Pagadalan iti Barangay: A Unified Open College towards an Interdisciplinary Approach in Research and Extension Continuum	Blesila R. Ramos and Edwin P. Ramos	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
24	The Functional Literacy Program: P1: Munting Paaralan: Habang Buhay na Kaalaman; P2: Tulong, Dunong, Sulong; P3: Skills Training on Meat Processing and T-shirt Printing	Hana Gay D. Mejia	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>LOCAL</b>				
25	Technical Services and Values Formation for the Barobbob Watershed Occupant	Micah Ryan B. Ramel	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
26	“Handog Kaalaman at Serbisyong Pangteknikal”: Training-Workshop on Basic Electricity, Basic Electronics System, Computer Literacy and Shop & Industrial Processes	Jane P. Agbanlog	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
27	Vermicompost Production and Technology Dissemination	Elmer T. Castañeto, Rogelio P. Pascua, and Jovien L. Ansibey	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
28	Skills Training: “Teknikal na Kaalaman, Kahusayan para sa Kabuhayan	Marife A. Aliaga and Rogelio M. Abalos, Jr.	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
29	Development of a Novel Processing Facility for the Conversion of Agricultural Products to Ethyl Alcohol	Lori Shayne A. Busa and Jose R. Comia, Jr.	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020

No.	Title	Presenter/ Researchers	Title of Conference/ Venue/ Organizer	Date
<b>LOCAL</b>				
30	Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub”	Cristina R. Salvosa, Wilfredo A. Dumale, Jr. and Sheena Lyn V. Ramos	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
31	PHASE 2: KLABS 21: A Web-based Trading System of Fruits and Vegetables	Ian Kim P. Seligbon, Percival B. Labog, and Ryan Victor D. Bautista	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
32	Commercializing Whole Corn Macropropagation Technology for Lakatan and Bungulan: A Viabe Livelihood Option for Banana Farmers in Nueva Vizcaya	Elbert A. Sana	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
33	A Community-Based Enterprise on Instant Tilapia Cream Soup Production and Commercialization	Chery C. Lacaden, Gina Leah A. Dizon, Cristina R. Salvosa, Andres Z. Taguiam and Ramon P. Bangao, Jr.	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
34	Rama’: A Locally-Based Practice in a Philippine Fishing Community	Fermila R. Cauilan and Mild R. Hombrebueno	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>LOCAL</b>				
35	Flowing Down Magat River: The Story of Five Tributaries	Joan A. Pinon	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22- 23, 2020
36	Cultural Mapping of Ethnographic Objects: Processes, Complexities and Trajectories	Mild R. Hombrebueno and Ma. Rouselle Jandoc	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22- 23, 2020
37	Revisiting Cultural Transition: Mapping of Significant Religious Artifacts in Bayombong, Nueva Vizcaya, Philippines	Elson Boie Tumaneng and Romana P. Dulnuan	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22- 23, 2020
38	Caught in the Middle: Doing Research with Indigenous Cultural Communities and the Government	Lorna L. Oligo and Jubert B. Oligo	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22- 23, 2020
39	Isinay in the Home: Rapid Appraisal Survey on Family Language Attitudes on Severely Endangered Language	Sheena Lyn V. Ramos and Alvin B. Felix	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22- 23, 2020
40	Students' Gender and Sexuality in Nueva Vizcaya State University — Bayombong Campus	Ma. Rousselle G. Jandoc and Angel L. Genato IV	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22- 23, 2020

No.	Title	Presenter/ Researchers	Title of Conference/Venue/ Organizer	Date
<b>LOCAL</b>				
41	Stakeholders Mapping for the Public Utility Vehicle Modernization Program (PUVMP) in Region 02	Cristina R. Salvosa, Claire R. Rolla, Dolores B. Galvez, Josue A. Chua, and Cherrie Prella DG. Pascual	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
42	Flora and the Ifugao World of Rituals and Traditions	Joseph E. Bubod and Romana P. Dulnuan	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
43	Gender Responsiveness of Guidance and Counseling Centers	Ma. Rousselle G. Jandoc and Lorna L. Oligo	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
44	Gender Responsiveness of Guidance and Counseling Centers	Ma. Rousselle G. Jandoc and Lorna L. Oligo	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020
45	Compliance to the Code of Ethics for Professional Teachers among Faculty Members	Juanita B. Pascua and Jane D. Navalta	17th University In-house Review of Completed and On-going RDE Projects  Nueva Vizcaya State University, Bayombong, Nueva Vizcaya	October, 22-23, 2020

# Publications





The University continues to dedicate in promoting the exceptional works and inventions of the researchers in the international scale as marked by the 22 R and D outputs published in various international journals.

No.	Title	Author	Vol./Issue No./ ISBN	Date of Publication	Journal/ Publisher	Level
1	Physico-Chemical Characteristics of Selected Tributaries of Didipio River, Eastern Nueva Vizcaya, Philippines	Ryan P. Manuel	VOL 79 NO 1 (2019)/ PRINT ISSN: 2619-7855 ONLINE ISSN: 2651-7744	February 2020	Mountain Journal of Science and Interdisciplinary Research	International
2	Consistency Verification Between Qualitative Entries And Quantitative Ratings In The Teaching Evaluation Forms of Filipino Pre-Service Teachers	William D. Magday, Jr. and Issra Pramoolsook	Vol 19, Issue 2	February 2020	International Journal of Learning, Teaching and Educational Research	International
3	Tree Traits that Define Ideotypes of <i>Gmelina arborea</i> Roxb.	Shierel F. Vallesteros	475 (2020) 012089 doi:10.1088/1755-1315/475/1/012089	April 2020	IOP Conference Series: Earth and Environmental Science	International
4	Phytochemical, Antioxidant, Cytotoxic, and Antimicrobial Properties of The Endemic Dagwey ( <i>Saurauia Subglabra</i> Merr.) of the Philippines	Fitzgerald L. Fabelico	Volume 7/ Issue 11/ ISSN-2349-5125	April 2020	Journal of Critical Reviews	International
5	Perseverance and Passion in the Teaching Profession: Teachers' Grit, Self-Efficacy, Burnout, And Performance	Fitzgerald L. Fabelico and Bonimar T. Afalla	Vol 7/ Issue 11/ ISSN- 2394-5125	April 2020	Journal of Critical Reviews	International

No.	Title	Author	Vol./Issue No./ISBN	Date of Publication	Journal/ Publisher	Level
6	Typhoon Awareness and Flood Management Measures: The Case of Barangay Santo Domingo, Bay Laguna, Philippines	Rebecca G. Wangdale	Vol 3(3) ISSN 2581-5946	May to June 2020	International Journal of Science and Management Studies (IJSMS)	International
7	The Siderophore Repressor SreA Maintains Growth, Hydrogen Peroxide Resistance, and Cell Wall Integrity in the Phytopathogenic fungus <i>Alternaria alternata</i>	Kuang-Ren Chung, Pei-Ching Wu, Yun-Kun Chen, and Jonar I. Yago	Volume 139/ 103384	June 2020	Fungal Genetics and Biology/  Elsevier	International
8	Outcomes in Quantitative Research Writing among Junior High School Mathematics Teachers	Lany D. Dullas	JCR. 2020; 7 (11): 30-52. doi:10.31838/jcr.07.11.07  Scopus Journal	June 2020	Journal of Critical Reviews	International
9	Sustaining Academic Success through Effective Classroom Management	Bonimar T. Afalla Fitzgerald L. Fabelico	Vol 8, Issue 4/ pp 213-221/ eISSN: 2395-6518	July 2020	Humanities & Social Sciences Reviews	International
10	Blending Extracurricular Activities with Academic Performance: Pain or Gain?	Bonimar T. Afalla	Vol 8/ Issue 4/ pp 222-229/ eISSN: 2395-6518	July 2020	Humanities & Social Sciences Reviews	International
11	Library Resources And Functional Effectiveness of An Academic Library: Meeting The Challenges of the Digital Age	Demetria A. Corpuz	Vol 8/ Issue 4/ pp 238-245/ eISSN: 2395-6518	July 2020	Humanities & Social Sciences Reviews	International

No.	Title	Author	Vol./Issue No./ISBN	Date of Publication	Journal/ Publisher	Level
12	Sustaining Academic Success through Effective Classroom Management	Bonimar T. Afalla and Fitzgerald L. Fabelico	Vol 8, No 4, 2020/ pp 213-221/ eISSN: 2395-6518	July 2020	Humanities & Social Sciences Reviews	International
13	Collaborative Metacognitive Activities, Students' Socially Motivated Metacognitive Experiences, And Stoichiometric Problem Solving	Fitzgerald L. Fabelico	Vol 8/ No 4, 2020, pp 267-276/ eISSN: 2395-6518	July 2020	Humanities & Social Sciences Reviews	International
14	Research Capabilities Of Public Elementary School Teachers And Management Support of the Schools Division of Nueva Vizcaya, Philippines	Irene B. Gonzales, Demetria A. Corpuz, and Rhowel M. Dellosa	Vol 8/ Issue 4/ pp 235-266/ eISSN: 2395-6518	July 2020	Humanities & Social Sciences Reviews	International
15	Optimization of Conditions for Mass Production of Orchid Mycorrhizal Fungi (OMF) Inoculants	Jonar I. Yago and Marilyn B. Brown	Volume 4, Issue 2/ ISSN (2522-6584)	August 2020	International Journal of Agriculture & Biological Sciences	International
16	Forms of Inoculant, Shelf-Life Studies and Formulations of Orchid Mycorrhizal Fungi (OMF) Inoculants	Jonar I. Yago, Marilyn B. Brown, and Paulo B. Comaling	Volume 4, Issue 2 ISSN (2522-6584)	August 2020	International Journal of Agriculture and Biological Sciences	International
17	Pre-Service Teachers' Pedagogical Competence and Teaching Efficiency	Bonimar T. Afalla and Fitzgerald L. Fabelico	Vol 7/ Issue 11/ Pp 223-228/ ISSN- 2394-5125	August 2020	Journal of Critical Reviews	International

No.	Title	Author	Vol./Issue No./ ISBN	Date of Publication	Journal/ Publisher	Level
18	Perseverance and Passion In The Teaching Profession: Teachers' Grit, Self-Efficacy, Burnout, and Performance	Fitzgerald L. Fabelico and Bonimar T. Afalla	Vol 7/ Issue 11/ Pp 108-119/ ISSN- 2394-5125	August 2020	Journal of Critical Reviews	International
19	Pre-Service Teachers' Pedagogical Competence and Teaching Efficiency	Bonimar T. Afalla and Fitzgerald L. Fabelico	Vol 7, Issue 11/ ISSN- 2394-5125	August 2020	Journal of Critical Reviews	International
20	Identification and characterization of the bacteriocin Carocin S3 from the multiple bacteriocin producing strain of <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i>	Jyun-Wei Wang, Reymund C. Derilo, Ruchi Briam James S. Lagitnay, Huang-Pin Wu, Kai-In Chen, and Duen-Yau Chuang	Vol 20, Issue 273	September 2020	BMC Microbiology Springer Nature Switzerland AG	International
21	Biotin Biosynthesis affected by the NADPH Oxidase and Lipid Metabolism is Required for Growth, Sporulation and Infectivity in the Citrus Fungal Pathogen <i>Alternaria alternata</i>	Pei-Ching Wu, Chia-Wen Chen, Celine Yen Ling Choo, Yu-Kun Chen, Jonar I. Yago, and Kuang-Ren Chung	Volume 238, ISSN 0944-5013 Microbial Res 238 (2020)	December 2020	Microbiological Research/ Elsevier	International
22	Growth Response of Anonang (Chordia dichotoma) Using Different Soil Enhancers	M. Bad-e, Shierel F. Vallesteros, Marlon U. Saldares, and Arvin P. Vallesteros	Vol 18 (2) P ISSN 2244-0410 E ISSN 2449-3686	December 2020	Mindanao Journal of Science and Technology	National

# Intellectual Properties

## A. Inventions

8 technologies, (6 Utility Models and 2 Industrial Designs) were filed for Intellectual Property Rights

Title of Application	Authors/ Inventors	Classification	Filing Date	Application #	Status
Process of producing crispy snack food chips enriched with grated coconut meat pulp (sapal)	Evangeline C. Remolazo; Ermilinda P. Depayso; Joseph Cris Ablao	UM	10-Jan-20	22020000015	On-going
Biogas plant	Adornado C. Vergara; Sony P. Aquino; June C. Quipo	UM	10-Jan-20	22020000016	Published
Process of producing purple sweet potato (Ipomoea batatas) Ice Cream	Patricia B. Madero; May-Vidals M. Reconse; Jamie B. Mones; Cherry Pinky M. Rodriguez	UM	10-Jan-20	22020000017	On-going
Process of producing crispy food chips enriched with ginger turmeric	Joseph Cris R. Ablao; Evangeline C. Remolazo;	UM	10-Jan-20	22020000018	On-going
Process of making mushroom chicharon and the product produced thereof	Jaymark D. Aliaga	UM	10-Jan-20	22020000019	On-going
Process of producing ginger turmeric pandesal and the process of producing the same	Evangeline C. Remolazo; Joseph Cris Ablao; Ermilinda P. Depayso;	UM	10-Jan-20	22020000020	On-going
Sand and Gravel Separator	Joseph Cris R. Ablao; Crisostomo Allosius M. Ablao; Ernesto B. Bausel	ID	10-Jan-20	32020000028	Published
Biomass Chopper	Manolo T. Valdez; Eddie C. Tampoya; June C. Quipo; Romulfo C. Sanchez	ID	10-Jan-20	32020000029	Published

## B. Copyrights

Six copyrights certificates were issued

Owner	Author	Title	Class	Registration #	Date Created	Certificate Issued
Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	KLABS21 Customer Modules	N	N2020-00070	31-Jan-19	29-Jan-20
Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	KLABS21 Database	N	N2020-00069	31-Jan-19	29-Jan-20
Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	KLABS21 Administrator Modules	N	N2020-00068	31-Jan-19	29-Jan-20
Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	KLABS21 AIR21 Administrator Modules	N	N2020-00067	31-Jan-19	29-Jan-20
Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	Ryan Victor D. Bautista; Percival B. Labog; Ian P. Seglibon	KLABS21 Controllers	N	N2020-00066	31-Jan-19	29-Jan-20
Elbert A. Sana, Vilchor G. Perido, Ma. Cecilia I. Salas; Trechelle Joy M. Soliven	Elbert A. Sana, Vilchor G. Perido, Ma. Cecilia I. Salas; Trechelle Joy M. Soliven	Citrus Resource Information System	N	N2020-00518	06-Dec-17	03-Sep-20

## Citations

There were three citations from five scholarly published research articles of the University researchers.

Title of Research Output	Author(s) who cited the Research Output	Title of Article where the Research Output was cited	Title of Journal	Vol./Issue/ Page No.	Publisher
Internal and External Locus-of-Hope Dimensions as Predictors of Subjective Well-being among Filipino College Students  (Jacqueline V. Iglesias)	Allan B.I. Bernardo Ho Yi Sit	Hope interventions for students: Integrating cultural perspectives  Bernardo, A. B. I., & Sit, H. Y. (2020). Hope interventions for students: Integrating cultural perspectives. In G. A. D. Liem & D. M. McInerney (Eds.). Promoting motivation and learning in contexts: Sociocultural perspectives on educational interventions (pp, 281-302). Charlotte, NC: Information Age Publishing. [Pre-publication version. This is not the final published article.]	Promoting motivation and learning in contexts: Sociocultural perspectives on educational interventions	pp, 281-302  Bernardo, A. B., & Sit, H. Y. Hope Interventions for Students: Integrating Cultural Perspectives	Information Age Publishing
Perseverance and Passion in the Teaching Profession: Teachers' Grit, Self-Efficacy, Burnout, and Performance  (Fitzgerald Fabelico)	Marwin E. Obmerga	The Impact of Design Thinking and Grit on Filipino Millennial Academic Supervisors' Transformational Leadership Attributes: A Structural Equation Model	Asian Journal on Perspectives in Education	Volume 1  Issue 1, October 2020	

Title of Research Output	Author(s) who cited the Research Output	Title of Article where the Research Output was cited	Title of Journal	Vol./ Issue/ Page No.	Publisher
	Samba, R., Odoh, C. & Egbodo, B.	Effects of e-learning on students' performance, confidence level and science process skills acquisition in basic science and technology	International Journal of Science and Research Methodology	Volume 16, Issue 1	
Basic and Integrated Science Process Skills Acquisition and Science Achievement of Seventh- Grade Learners. European Journal of Education Studies	Purwanti, K. E., & Yuliani, Y.	The development of student worksheet based on guided inquiry for transport membrane topic to train integrated science process skills.	Berkala Ilmiah Pendidikan Biologi (BioEdu)	Vol. 10, No. 1	<a href="https://ejournal.unesa.ac.id/index.php/bioedu">https:// ejournal.unes a.ac.id/ index.php/ bioedu</a>
(Reymund C. Derilo)	Syazali, M., Widiade, I. K., Nursaptini, N., & Hasnawati, H.	Evaluasi Keterampilan Menulis Makalah Pada Mahasiswa Program Studi Pendidikan Guru Sekolah Dasar. Jurnal Kependidikan: Jurnal Hasil Penelitian dan Kajian Kepustakaan di Bidang Pendidikan, Pengajaran dan Pembelajaran			<a href="https://doi.org/10.33394/jk.v6i3.2775">https:// doi.org/10.33 394/ jk.v6i3.2775</a>



## Active Linkages

There were 32 active linkages for various Research, Development, and Extension projects, and collaboration for technical and extension projects with local, regional and national agencies for provision of resources, collaborative researches, and trainings this year. Of the 13 active linkages, 12 are new.

No.	Partner	Title of Collaborative Project	Duration of Project
<b>WITH FUND SUPPORT</b>			
1	DOST-PCAARRD	P5: Development and Verification of Soil and Water Management Strategies for Citrus Production	2017-2020
2	DOST-PCAARRD	Philippine Isolates of Entomopathogenic Fungi as Potential Source of Microbial Agents Citrus Rind Borer (CRB) and Twig Blight Disease (TBD) of Citrus	2017-2021
3	DOST-GIA	Efficacy Evaluation of Biopesticides Derived from Entomopathogenic Fungi (EPF) Against Rind Borer and Twig Blight Disease (TBD) of Citrus	2018-2020
4	PCAARRD	Enhancing the Intellectual Property and Technology Business Management (IP-TBM) Operations of the Nueva Vizcaya State University	2018-2020
5	PCHRD	Development of microfluidic paper-based analytical devices ( $\mu$ PADs) for the detection of Diarrhea-causing pathogens in water	2018-2020
6	DOST-PCIEERD	Establishing the Sabatan: The Nueva Vizcaya State University Technopreneurs Hub"	2019-2021
7	DA-ACEF	Harnessing Research and Development Through Acquisition of Scanning Electron Microscopy	2019-2020
8	DOST-PCAARRD	Upgrading of R&D Facilities of Plant Pest Clinic and Diagnostic Center in Cagayan Valley	2019-2020
9	DOST	Field Testing, Pilot Scale Production and Market Study of Locally-Developed Bioinsecticide for Eggplant	2020
10	DOST 02	PHASE 2: KLABS 21: A Web-based Trading System of Fruits and Vegetables	2020

No.	Partner	Title of Collaborative Project	Duration of Project
<b>WITH FUND SUPPORT</b>			
11	PhilRice	Multi-location adaptation trial for the irrigated lowland inbred entries (NCT-MAT); and National Cooperative Test for Cool Elevated area (NCT-CE)	2020
12	DA-BAR	Development of Formulated Entomopathogenic Fungi (EPF) as Biofungicide Against Tomato Black Leaf Mold (TBLM)	2020-2023
13	DA/ACEF	A Community-Based Enterprise on Instant Tilapia Cream Soup Production and Commercialization	2020-2021
14	DA/ACEF	Upgrading of Indoor and Controlled Button Mushroom Production Facility at Nueva Vizcaya State University	2020-2021
15	DA/ACEF	Upgrading of Tissue Culture Production Facility of Triploid Hybrid (abb) Saba Banana Cultivar at Nueva Vizcaya State University	2020-2021
16	DOST 02	Development of a novel processing facility for the conversion of agricultural products to ethyl alcohol	2020-2021
17	LANDBANK Countryside Development Foundation, Inc.	Financial Literacy Program	2020-2021
18	DA-BAR	Enhancing Tissue Culture and Macropropagation of Saba: Cagayan Valley's Planting Material Support System for Banana	2020-2022
20	Quirino State University	Enhancing Tissue Culture and Macropropagation of Saba: Cagayan Valley's Planting Material Support System for Banana	2020-2022
21	Department of Agriculture- Cagayan Valley Research Center	Enhancing Tissue Culture and Macropropagation of Saba: Cagayan Valley's Planting Material Support System for Banana	2020-2022

No.	Partner	Title of Collaborative Project	Duration of Project
<b>WITHOUT FUND SUPPORT</b>			
22	AgrizKaya Cooperative Federation	Technical Assistance and Financial Literacy Program	2017-present
23	Barangay Barat, Bambang, Nueva Vizcaya	Skills Training	2018-2021
24	Development of Viable Science and Technology-based Rural Livelihood Enterprise	Timpuyog ti Babbalasang idi Kalman (TIBIK), Nueva Vizcaya	2018-2021
25	Mungia National High School	Basic Education/Functional Literacy, Livelihood and Technical Services, Sports and Wellness, Research and Statistics, Gender and Development	2018-2023
26	Local Government Unit of Villaverde	Nursery Level Macro-propagation of Banana Plantlets	2019-2021
27	Balangon Integrated Growers Association of Sawmill (BIGAS)	Nursery Level Macro-propagation of Banana Plantlets	2019-2021
28	Diadi National High School	Literacy and Livelihood Program, Environmental and Health Awareness, Values Enhancement and Gender Sensitivity, and Communication Skills	2019-2021
29	Local Government Unit of Magapuy, Bayombong, Nueva Vizcaya	Community Development	2019-2024
30	Bartolome Piggery Farm by Teresita N. Bartolome	Design and Establishment of NVSU Model Anaerobic Digester	2019-present

No.	Partner	Title of Collaborative Project	Duration of Project
<b>WITHOUT FUND SUPPORT</b>			
30	Bartolome Piggery Farm by Teresita N. Bartolome	Design and Establishment of NVSU Model Anaerobic Digester	2019-present
31	Community Livelihood Association of San Antonio South (CLASS)	Livelihood, Technology Transfer, Advisory Services and Trainings	2019-present
32	Amancio Agri-Tourism Academy, Inc.	Mushroom, Vegetable, Fruit Tree and Cutflower Production	2019-present
33	Ambong Piggery Farm	Construction of NVSU Model Anaerobic Digester	2020-2021

# Trainings and Technical Advisories



## Trainings and Technical Advisories

Amidst the pandemic, the Extension and Training Program was able to conduct 31 trainings/ technical advisory. With this, a total of 1,130.50 clients were served by the different colleges of both campuses for various livelihood projects, agricultural production, homemaking and/or industrial technology, and other capability building activities

No.	Title of Training/ Technical Advisory	Date	Venue	Responsible College/Unit	Number of Clients served weighted by the length of Activity
1	Food Safety, Sanitation and Preparation	January 30, 2020	Carub Building, Yogad St. Solano, Nueva Vizcaya	College of Human Ecology	14
2	Seminar on Biomass and Carbon Assessment for Forestry and other Land User	February 3, 2020	NVSU Mini Theatre, Bayombong, Nueva Vizcaya	College of Forestry	43
3	Technical Assistance and Lecture on Estimating Carbon Stock of Urban Trees	February 13, 2020	Bulwagan Ng Mamamayan, City Hall, Santiago City, Isabela	College of Forestry	180
4	Food Safety, Sanitation and Preparation	February 21, 2020	NVSU Mini Theatre, Bayombong, Nueva Vizcaya	College of Human Ecology	24
5	Fostering a Culture of Safety and Workmanship towards a Smart Metal Fabrication	March 5-6, 2020	Bambang, Nueva Vizcaya	College of Engineering, Bambang Campus	43.75
6	Eight of Ten Tress in the Wild: Refresher on Tree Identification cum collection of wood sample	March 9, 2020	Runruno, Quezon, Nueva Vizcaya	College of Forestry	10
7	Training on Mushroom Production	March 26-27, 2020	Magapuy, Batombong, Nueva Vizcaya	College of Forestry	33.75
8	Training on Tomato (Wine) Processing	June 19, 2020	NVSU Food Processing Center, Bayombong, Nueva Vizcaya	College of Human Ecology	19



No.	Title of Training/ Technical Advisory	Date	Venue	Responsible College/Unit	Number of Clients served weighted by the length of Activity
8	Training on Tomato (Wine) Processing	June 19, 2020	NVSU Food Processing Center, Bayombong, Nueva Vizcaya	College of Human Ecology	19
9	Training on Tomato (Powder) Processing	June 24, 2020	NVSU Food Processing Center, Bambang Campuses	College of Industrial Technology	12
10	Training on Tomato (Powder) Processing	June 29, 2020	NVSU Food Processing Center, Bambang, Nueva Vizcaya	College of Industrial Technology	10
11	Training on Tomato (Juice) Processing	June 22, 2020	NVSU Food Processing Center, Bayombong, Nueva Vizcaya	College of Human Ecology	16
12	Training on Tomato (Candy) Processing	June 26, 2020	NVSU Food Processing Center, Bayombong, Nueva Vizcaya	College of Human Ecology	16
13	Training on Tomato (Sauce) Processing	July 1, 2020	NVSU Food Processing Center, Bayombong, Nueva Vizcaya	College of Human Ecology	20
14	Training on Tomato (Wine) Processing	July 3, 2020	NVSU Food Processing Center, Bayombong, Nueva Vizcaya	College of Human Ecology	18
15	Training on Tomato (Jam) Processing	July 6, 2020	NVSU Food Processing Center, Bayombong, Nueva Vizcaya	College of Human Ecology	13
16	Training on Tomato (Powder) Processing	July 8, 2020	NVSU Food Processing Center, Bambang Campuses	College of Industrial Technology	8

No.	Title of Training/ Technical Advisory	Date	Venue	Responsible College/Unit	Number of Clients served weighted by the length of Activity
17	Training on Mushroom Production and Processing	July 29-30, 2020	DENR, Lamut, Ifugao	College of Forestry	52.5
18	Training on Biopesticide Concoction	August 5, 2020	Aurora, Quezon, Nueva Vizcaya	College of Agriculture,	16
19	Training on Mushroom Production and Processing	August 10- 11, 2020	Bayombong Food Processing Center, Masoc, Bayombong, Nueva Vizcaya	Mushroom Resources Research & Development Center	26.25
20	Training on Mushroom Production	August 26- 27, October 12 -13, & 26- 27, 2020	NVSU-Mushroom Laboratory, Bayombong, Nueva Vizcaya	College of Agriculture	43
21	Food Processing (Longanisa)	October 8, 2020	NVSU-Food Processing Center, Bayombong, Nueva Vizcaya	College of Agriculture	15
22	Food Processing (Tapa & Tocino)	October 28, 2020	NVSU-Food Processing Center, Bayombong, Nueva Vizcaya	College of Agriculture	15
23	Training on Mushroom Production	October 29 -30, 2020	Dopag, Dupax Del Sur, Nueva Vizcaya	Mushroom Resources Research & Development Center	21.25

No.	Title of Training/ Technical Advisory	Date	Venue	Responsible College/Unit	Number of Clients served weighted by the length of Activity
24	Chicken Egg Production	November 7, 14, 21, and 28, 2020	Diadi, Namamparan, Upper Bato, Buenavizta, Binuangan, Pao, Kasibu, Nueva Vizcaya	College of Agriculture & College of Veterinary Medicine	250
25	Oyster Mushroom Production	November 8, 2020	Bonfal, Bayombong, Nueva Vizcaya	College of Agriculture	45
26	Fruit and Vegetable Processing (Kimchi)	November 19, 2020	NVSU-Food Processing Center, Bayombong, Nueva Vizcaya	College of Agriculture	17
27	Fruit and Vegetable Processing (Pickles & Sayote Chutney)	November 20, 2020	NVSU-Food Processing Center, Bayombong, Nueva Vizcaya	College of Agriculture	13
28	Training On Grafting of Fruit Trees	November 24, 2020	Magapuy, Bayombong, Nueva Vizcaya	College of Forestry	43
29	Training on Biogas Technology	December 11, 2020	Runruno, Quezon, Nueva Vizcaya	College of Engineering, Bayombong Campus	43
30	Training on Banana Macro- propagation	December 18, 2020	NVSU RET Conference Hall, Bayombong, Nueva Vizcaya	College of Agriculture	20
31	Training on Plant Propagation	December 21, 2020	Casat, Bayombong, Nueva Vizcaya	College of Forestry	30
<b>Grand total</b>					<b>1,130.50</b>

# COVID-19 Initiatives



## COVID-19 Initiatives

### A. NVSU We Heal As One: RET Supports NVSU Anti COVID-19 Project

The NVSU Anti-Covid 19 team, composed of faculty and staff volunteers, spearheaded by the VP RET Wilfredo A. Dumale, Jr., lives up to the University mission by helping the frontliners fight against COVID-19. The University task force personally distributed face shields, alcohols, improvised PPEs, aerosol boxes and relief goods among the different areas of the province.

Product	Recipients
70% Ethyl Alcohol 7 Liters Alcohol, 1,300 Gloves, 150 pcs. Facemasks, 200 Sachets (Jimms 3 in 1 Coffee)	Region 2 Trauma and Medical Center (R2TMC)
400 Face Shields, 8 Gallons Alcohol, 195 Improvised PPE , 175 pcs 350 ml bottled water , 2 Aerosol Boxes 150 pcs food packs	Region 2 Trauma and Medical Center (R2TMC)
200 Face Shields, 4 Gallons Alcohol, 1 Aerosol Box, 25 Improvised PPE	Nueva Vizcaya Provincial Hospital (NVPH)
50 pcs. Face Shields, 2 Gallons Alcohol, 1 Aerosol Box	Dupax District Hospital
50 pcs. Face Shields, 2 Gallons Alcohol	Diaidi Emergency Hospital
50 pcs. Face Shields, 2 Gallons Alcohol	Indigenous People's Hospital, Aritao, Nueva Vizcaya
50 Face Shields , 2 Gallons Alcohol 40 Improvised PPE	Kasibu Municipal Hospital
50 pcs. Face Shields, 2 Gallons Alcohol	Lt. Tidang Memorial Hospital, Kayapa, Nueva Vizcaya
Relief Goods to stranded NVSU Students	Bayombong & Bambang Students
20 Improvised PPE , 20 Face shields 20 face masks	Alfonso Castañeda Rural Health Unit
40 Improvised PPE , 35 Face shields 20 face masks	Sta Fe. Rural Health Unit
145 face shields	Bayombong Public Market and other checkpoints and nearby municipalities



## B. Plant, Plant, Plant Program: Enough Food Supplies This Pandemic

In support to the PLANT, PLANT, PLANT PROGRAM of Secretary William A. Dar of the Department of Agriculture, NVSU through the Research, Extension and Training Program started to distribute seedlings to the Barangay Local Government Units (BLGU) of Bayombong.

The first beneficiaries of the NVSU Seedlings Distribution Drive are the following BLGUs:

1. Don Domingo Madella - 10 trays tomato seedlings;
2. La Torre South - 5 trays tomato seedlings; and
3. Municipal Agriculture Office of Bayombong - 12 trays tomato seedlings





## C. New Projects for the New Normal:

### NVSU Kicks Off P6M Projects to Fight COVID-19

The Nueva Vizcaya State University (NVSU) launched two projects for the new normal under the Research, Extension and Training (RET) program to combat the coronavirus disease 2019 (Covid-19) pandemic.

#### **Community-Based Enterprise Tilapia Cream Soup Production and Commercialization**

The first project is the “Community-Based Enterprise Tilapia Cream Soup Production and Commercialization” which aims to address food security through production and commercialization of “Instant Tilapia Cream Soup”.

This project can also significantly contribute to the possible solutions of food security in this time of pandemic.

The project which is in collaboration with the College of Business and Education Employees and Students Cooperative (CBE-ESC) as the project beneficiary, is funded by the Department of Agriculture under the Agricultural Competitiveness Enhancement Fund (DA-ACEF), with P5,000,000.00 funding.

#### **Development of a Novel Processing Facility for the Conversion of Agricultural Products to Ethyl Alcohol**

The second project “Development of a Novel Processing Facility for the Conversion of Agricultural Products to Ethyl Alcohol,” aims to develop and establish a sustainable processing facility to convert agricultural products to ethyl alcohol as a disinfecting agent, which is one of the minimum health standards to minimize the spread of the COVID 19 virus.

The project which aims to locally produce ethyl alcohol for the new normal is funded by the DOST Region 02, with P889,960.80 funding.



# **GENERAL ADMINISTRATION AND SUPPORT SERVICES**



## Quality and Assurance

NVSU finally received its ISO 9001:2015 Certificate after a year of delay due to the COVID-19 pandemic. NVSU ranked 12 out of 447 national agencies and is one of the universities out of two, who was chosen to be a beneficiary for technical assistance in the conduct of in-house training by the Development Academy of the Philippines (DAP). This certificate broadens the perspective of the former ISO Certification last 2018 to cover the provision of Services in Higher Education (Graduate and Undergraduate Programs), Research, Extension and Training (RET), and the General Administration Management and Support Services (GASS). It is to be recalled that NVSU's journey to be able to get this certificate is a milestone of the University. The University is to take hold of the ISO 9001:2015 certificate which is valid from February 10, 2020 until February 18, 2023.



## Administrative Services



The Civil Services Commission (CSC) awarded the University Level 2 (Bronze Medal) on Program to Institutionalize Meritocracy and Excellence in Human Resource Management (PRIME HRM). The award is result of the University's compliance to standard policies and procedures, and competencies of its HRM in terms of recruitment, selection and placement; learning and development; performance management; and rewards and recognition. In addition, the University is one among the agencies in the entire Philippines awarded with the Level 2 (Bronze Level) PRIME HRM Award.

In addition, administrative services division which constitutes the offices of the



administrative, human resource management, records, procurement, and supply offices initiated and implement interventions to facilitate monitoring and evaluation of work-related functions of all employees of the University, especially in the pandemic period. The following are:

- Work Instructions for Individual Development Plan
- Work-from-Home (WFH) Plan and Accomplishment Report Templates
- Work Instructions on WFH Arrangements for Faculty on Sick Leave (SL) and Vacation Leave (VL) Status
- Guidelines on New Work Arrangements effective July 20,2020
- Work Instructions on Engagement of Job Order Workers (for short duration and specific piece of work)
- Increase Wages of Job Order and Contract Service Workers
- Procurement Contract Monitoring Sheet
- Work Instructions on Disposal of Valueless Records



## Financial Management

The tables below presents the University's consolidated statement of financial position and consolidated statement of financial performance for CY 2020 with comparative figures with CY 2019.

### Consolidated Statement of Financial Position

ASSETS	Note	2020	2019
<b>Current Assets</b>			
Cash and Cash Equivalents	5	P 321,272,9878.68	P 267,401,757.64
Receivables	6	84,688,222.89	40,852,645.94
Inventories	7	1,621,509.61	1,524,081.73
Other Current Assets	8	8,363,039.20	4,649,464.09
<b>Total Current Assets</b>		<b><u>415,945,750.38</u></b>	<b><u>314,427,949.40</u></b>
<b>Noncurrent Assets</b>			
Property, Plant and Equipment	9	622,794,821.37	536,522,292.86
Biological Assets	10	1,075,544.90	1,676,425.50
Intangible Assets	11	2,502,107.53	3,077,014.27
Other Noncurrent Assets	12	5,117,121.20	8,32,221.64
<b>Total Noncurrent Assets</b>		<b><u>631,489,595.00</u></b>	<b><u>549,407,954.27</u></b>
<b>TOTAL ASSETS</b>		<b><u>1,047,435,345.38</u></b>	<b><u>863,835,903.67</u></b>
<b>Liabilities</b>			
<b>Current Liabilities</b>			
Financial Liabilities	13	18,306,749.77	30,168,833.48
Tax Refund Payables		640.64	-
Inter-Agency Payables	14	43,345,508.18	1,589,009.37
Intra-Agency Payables	15	23,203,799.00	827,787.82
Trust Liabilities	16	184,332,275.67	180,266,576.41
Other Payables	17	23,263.72	33,439.00
<b>Total Current Liabilities</b>		<b><u>269,212,236.97</u></b>	<b><u>212,885,646.08</u></b>
<b>Total Liabilities</b>		<b><u>269,212,236.97</u></b>	<b><u>212,885,646.08</u></b>
<b>Equity</b>			
<b>Government Equity, End</b>	18	<b><u>778,223,108.41</u></b>	<b><u>650,950,257.59</u></b>
<b>TOTAL LIABILITIES AND EQUITY</b>		<b><u>1,047,435,345.38</u></b>	<b><u>863,835,903.67</u></b>





### Consolidated Statement of Financial Performance

REVENUE	Note	2020	2019
Service and Business	19	63,953,805.72	58,864,192.65
Shares, Grants and Donations	20	620,458.36	34,225.00
Other Non-operating Income	21	3,951,017.58	728,121.67
<b>TOTAL REVENUE</b>		<b>68,525,281.66</b>	<b>59,626,539.32</b>
<b>CURRENT OPERATING EXPENSES</b>			
Personal Expenses	22	381,238,228.87	383,196,819.16
Maintenance and Other Operating Expenses	23	57,110,995.35	72,967,663.52
Non-Cash Expenses	24	19,815,946.24	16,938,701.74
<b>TOTAL CURRENT OPERATING EXPENSES</b>		<b><u>458,165,170.46</u></b>	<b><u>473,13,184.42</u></b>
<b>SURPLUS OR (DEFICIT) FROM CURRENT OPERATION</b>		<b>(389,639,888.80)</b>	<b>(413,476,645.10)</b>
Net Financial Assistance/ Subsidy	25	499,461,267.63	511,391,383.53
<b>SURPLUS OR (DEFICIT) FOR THE PERIOD</b>		<b><u>P 109,821,378.83</u></b>	<b><u>P 97,914,738.43</u></b>





## COVID 19 Health Crisis Initiatives

With the enhanced community quarantine (ECQ) imposed by the national government, NVSU initiated activities to help frontliners and students during the early onset of the pandemic period. A University Anti-Covid Task Force was created. Initiatives of the task force included distributed personal protective equipment (PPE) such as face shields, face masks, improvised laboratory gowns, aerosol boxes) to hospitals and road checkpoints. Food relief packs were also prepared and distributed to students of the University stranded in their lodging houses. Below shows the various items distributed to various recipients:

Items	Recipients
400 pcs face shields, 15 gal alcohol, 195 pcs improvised lab gowns, 175 bottled water, 2 aerosol boxes, 150 packs food items, 1,300 surgical gloves, 150 pcs face masks and 200 sachets coffee	Region 02 Trauma and Medical Center (R2TMC)
200 pcs face shields, 4 gal alcohol, 1 box aerosol, 25 pcs improvised lab gown	Nueva Vizcaya Provincial Hospital (NVPH)
50 pcs face shield, 2 gal alcohol, 1 box aerosol	Dupax del Norte District Hospital
50 pcs face shield, 2 gal alcohol	Diadi Emergency Hospital
50 pcs face shield, 2 gal alcohol	Indigenous People's Hospital, Aritao, Nueva Vizcaya
50 pcs face shield, 2 gal alcohol, 40 pcs improvised lab gowns	Kasibu Municipal Hospital





# **PLANNING DEVELOPMENT AND INFORMATION SYSTEM**



## PLANNING DEVELOPMENT AND INFORMATION SYSTEM

The Office of the VP for Planning Development and Information System implemented adjustments and strategies as to its delivery of services in the pandemic period. On-going constructions were affected yet proper agreements were made between the university and contractors to accomplish expected outputs. All construction activities are still in compliance to university policies.

In addition, the VPPDIS, Prof. Elmer Castañeto was assigned as the Focal Person of the university team university against COVID 19. As such, the PDIS office has been staying keen on the implementation of protocols as regard to the mitigation of COVID 19 in the university.

Despite the difficulties the pandemic has brought the university, the PDIS office has accomplished the following humble activities contributory to the university's mandate.

Herewith are the salient accomplishment of the offices along with the remarkable stints of the different units under the auspices of PDIS:

### Office of the VP-PDIS

**Planning & Development and Information Operational Manual.** The Operational Framework of the PDIS office was approved by the Board of Regents on September 10, 2020. The BOR suggested that instead of the term "Framework" it should be "Manual". With the approval pf the BOR, the office is now guided with its operations and services. All units under the PDIS can now refer to the Manual.



## OPERATIONAL FRAMEWORK

PLANNING, DEVELOPMENT AND INFORMATION SYSTEM OFFICE



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**Tanggol Kalikasan.** A Training-Workshop on Podcast Development sponsored by *Tanggol Kalikasan*, USAID and US Department of Interior was held via Zoom Conference from July 24 to September 11, 2020. Two representatives from NVSU had maintained good attendance and active participation in the said training, Ms. Arshiela G. Manuel and Jestony Baylon had produced two podcast productions. The NVSU podcast entitled Growing Shade had two episodes that were aired in November 2020 via Spotify, a world-wide-web platform for audio streaming. This feat has positioned NVSU in the international world wide web.



**Land Utilization and Development.** An agro-tourism farm with an area of 38.1 ha parcel of land located in a rolling-hill of Barangay Tuao, Bagabag, Nueva Vizcaya is undergoing development. The goal of the project is to develop a state-of-the-art facility that will cater the laboratory activities of agriculture, veterinary medicine and forestry students of the University. A 20-M project proposal for the land reservation at Tuao, Bagabag, Nueva Vizcaya was submitted to the Department of Agriculture. The proposal was entitled, Agricultural Innovation Center with the following objectives:

1. centralize university agriculture related production projects into the Agriculture Innovation Center (NVSU - AIC).
2. establish a center for agriculture-focused innovative research, technology generation and transfer, extension and training.
3. enhance system-based production and entrepreneurship towards income generation.
4. maximize land use and land productivity of the university land assets and properties.



Likewise, the said proposal has five component projects:

1. Swine Production (PhP 3.5 M)
2. Poultry (broiler & Layer Egg Production PhP 2.2 M)
3. Buffalo Production (PhP 1M)
4. Aquaculture Project (PhP 2.6 M)
5. Fruit Orchard and Organic Vegetable Production (PhP 1 M)
6. Bioenergy Generation and Waste Treatment System Facility (PhP 1.7 M)
7. Automatic Weather Station (PhP 400,000)
8. Road Network Improvement (PhP 2.8 M)
9. Water and Electrical System (PhP 1.5 M)
10. Training Complex (Php 3.3M)

Unveiling of Markers. In culmination of the fiscal year 2020, the PDIS lead the unveiling of markers for the following projects on December 9, 2020:

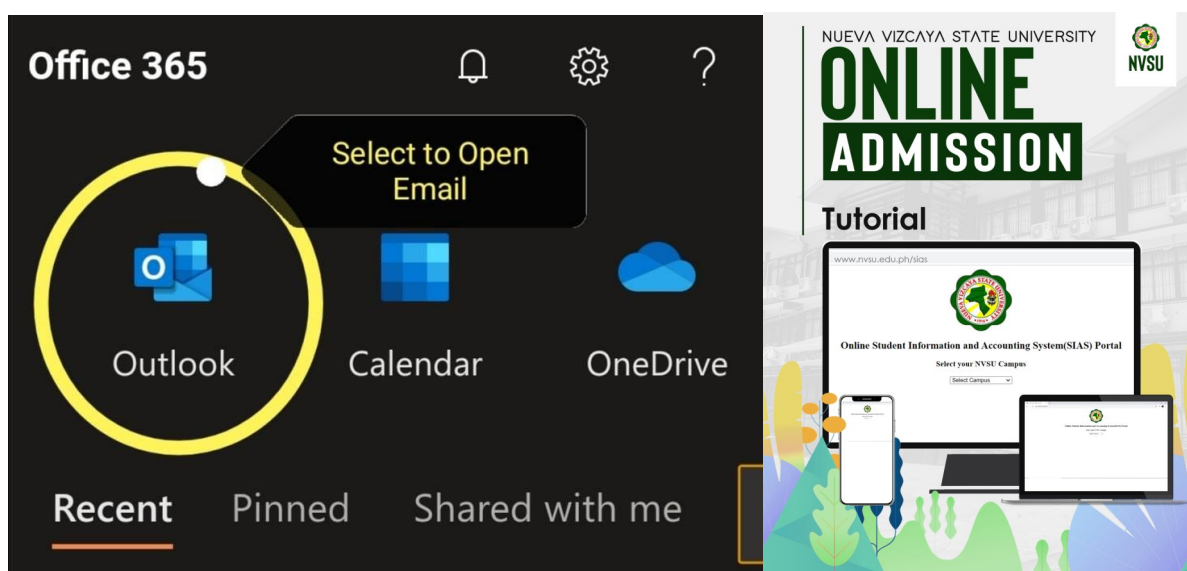
Bayombong	Bambang
College of Agriculture College of Arts and Sciences College of Business Education College of Forestry 1 and 2 College of Human Ecology College of Teacher Education 1 and 2 Library RET College of Veterinary Medicine	College of Teacher Education College of Engineering College of Arts and Sciences Gymnasium IT Laboratory Technology Building



## Management Information System (MIS)

The MIS along with data management, is responsible in overseeing information communication technology (IT) concerns such as assisting the procurement office in providing specifications and inspecting IT equipment procured, installation and repair of the same, internet connectivities, management of the NVSU Uconnect, online enrolment and the like. For the year in review the following were accomplished:

- Registered at least 2,260 Uconnect Accounts for freshmen and old students
- Assigned license to at least 2,200 newly created Uconnect Accounts
- Installed new ICT Equipment 122 units of Computer, 4 Access Points at the IT bldg.
- Assisted the university and five colleges in their Online Live Orientation Program.
- Spearheaded the Online Enrollment of the university for the 1<sup>st</sup> Sem SY 2020-2021
- Organized/Trained Faculty and staff for the online Enrollment.
- Got approval of the MIS Organizational Structure.
- Trained the faculty in Online Services offered by the office such as Email, In-house information systems, Microsoft 365 as Learning Management System (LMS) and others



- Purchased/Prepared the IT building to accommodate classes
  - ◊ Activation of main drop electrical supply and generator supply; 13 units Split-type air-condition; 39 pcs computer laboratory table; 230 pcs Monoblock chair
- Inspected new delivery of ICT Equipment from Supply office
  - ◊ 27 Units Projector; 52 Units Printer; 2 Units Photocopier; 3 Units DSLR Camera; 1 Unit Drone; 18 Units Laptop; 2 Units All-in-One Desktop; 20 Units Drawing Tablet; 1 Unit Monitor; 2 Units UPS; 7 Units Keyboard; 18 Units Network Antenna; 5 Units Router Switch; 1 Unit Hard Disk
- Assisted and Answered all queries of new/old students on the official FB page of MIS regarding their:



- Facebook Page – at least 6,955 Messages/Queries and E-Mail – at least 6,598 Messages/Queries
- Installed/Activated 11 CCTVs and CCTV Antennas in the following buildings;
- Nutrition; Academic, Old Hospital; Guard House facing Turnstyle; Main Gate; Supply Warehouse; PPSD; 3 units Dorm; 2 units DFTC and CSIT
- Installed Access Points (AP) to extend the UConnect WiFi  
Dormitory; CBE Bldg. 2<sup>nd</sup> Floor; New Eng. Bldg.; Nutrition Bldg.; CVM Bldg. 2<sup>nd</sup> floor
- Assisted in the delivery of inspected ICT equipment  
At least 50 units from the MIS fund
- Installed/Activated all newly delivered printers at end-user's office  
At least 52 units
- Implemented the upgrade of PABX Telephone System (70units) of the university with manila lines as a local call.  
Installed 15 New Telephone units in Bayombong Campus  
Endorsed 15 New Telephone units in Bambang Campus
- Implemented/Activated connectivity for both campuses  
Telephone Systems  
Information Systems



- ◆ my.nvsu.edu.ph - Student Information System and Online Scholarship Registration
- ◆ sias.nvsu.edu.ph – Online Enrollment and Grade viewing
- ◆ UConnect account of students and employee at least 12,000
- ◆ Learning Management System (LMS) Microsoft 365 License of students and employee at least 12,000
- ◆ On-Going Development of Project Procurement Management Plan (PPMP)
- ◆ Completed Development of Online Short Messaging System (SMS) to be used in Online Enrollment
- Assisted/Hosted 31 Online Video Conference for Board Meetings, Pre-Bids, Opening of Bids via Zoom application
- Attended/Assisted 8 in-campus seminars and training such as LMS, SIAS, College SIAS, Cooperative Month, and others.
- Assisted/Encoded 264 unbilled names of Senior High School students
- Processed PR, PPMP, PLDT Bill, and other documents of the office.
- Conducted monthly ICT maintenance
- 58 Desktop Computer; 46 Printer; 13 Telephone  
Conducted inventory of ICT equipment of the university for monitoring of pullouts and





## Information Promotion and Public Relation (IPPRC)

The IPPRC is the communication arm of the University. It manages the radio station 96.5 DWNS, the publication unit, and documentation of University events. The following are the accomplished activities of the center:

- Continued the operation of the DWNS 96.5 NVSU Radio and was used in the following:
  - as a platform to promote health protocols advocated by the IATF against the CoVid 19 pandemic disease
  - one among the DepEds flexible learning platforms, whereby canned lectures for Grades 1 and 2 pupils were aired
  - implemented School-on the Air Program on Smart Rice Agriculture a joint project of the DA-ATI, LGUs and SUCs in Region 02
- Produced the 2019 University Annual Report
- Released important news articles via the NVSU Facebook page which contains important event and accomplishments of the University
- Designed tarpaulins, prepared programs for important events of the University and documented University activities
- Edited the University Virtual Orientation Programs for the SY 2020-2021
- Assisted the some colleges of the Bayombong Campus in the production of their respective college orientation programs.
- Produced the 2020 Commencement Exercises souvenir program



## Physical Plant Site and Development

Aside from its major function as the lead office to oversee all infrastructure projects in the university, the Physical Plant Site and Development continuously provides the following services: Carpentry Works, Transportation (Motorpool), Plumbing Works (Water and Sewerage) and Air-conditioning and Electrical Works.

### **Bayombong Campus Academic Affairs Program**

- Classroom Modernization Use  
Contract Cost: 399, 183.84  
Location:

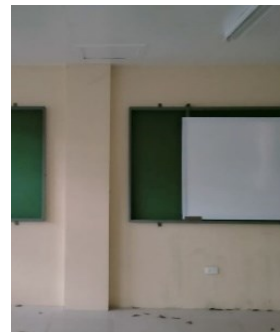
Soil Laboratory Building – 6 sets Whiteboard and Blackboard

Three-Storey Academic Building – 12 sets Whiteboard and Blackboard

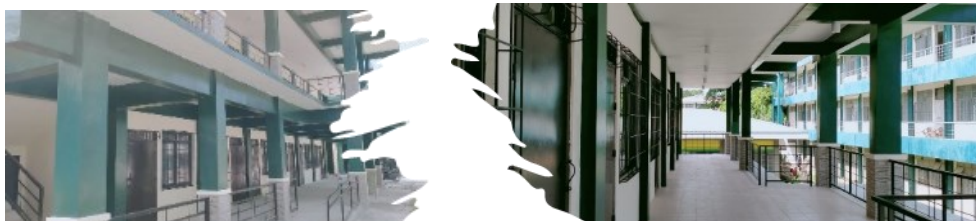
Engineering Laboratory Building - 6 sets Whiteboard and Blackboard

IT Laboratory Building - 18 sets Whiteboard and Blackboard

Status: 100% completed as of August 11, 2020



- Construction of Additional Classrooms for Soil Laboratory Building  
Contract Cost: 4,446,876.18  
Status: 84.22% as of Dec. 2020



- Repair of Guidance Office  
Contract Cost: 95,757.13  
Status: 100% completed as of August 10, 2020



- Repair of College of Forestry Laboratory and AV Room  
Contract Cost: 500,000.00  
Status: 100% as of November 20, 2020



- Other Small Value Procurement Projects  
Rehabilitation of College of Business Education (CBE) Room 101  
Contract Cost: 95, 978.34  
Status: 100% completed as of March 2, 2020
- Rehabilitation of College of Business Education Room 101 – Doors  
Contract Cost: 23,443.32  
Status: 100% completed as of March 4, 2020
- Rehabilitation of Existing Laboratory Building Phase II  
Contract Cost: 288,135.00  
Status: 100% competed as of August 11, 2020

#### **Administration and Support Services**

- Replacement of Doors & Windows at Library Building  
Contract Cost: 136,000.00  
Status: 100% completed as of October 21, 2020

- Improvement of Main Gate  
Contract Cost: 1,650,485.44  
Status: 97.12% as of Dec. 2020



- Improvement of Water Source and Water System  
Contract Cost: 6,769,229.93  
Status: 60.82% as of Dec. 2020



- Installation of Aluminum Framed Partition for Procurement Office  
Contract Cost: 67,881.21  
Status: 100% completed as of Dec.15, 2020





- Material Recovery Facility  
Contract Cost: 300,000.00  
Status: 98.94 % as of Dec. 2020



- Construction of New Food Court Sink  
Contract Cost: 271, 856.16  
Status: 100% as of Dec. 4, 2020



#### **Research Extension and Training**

- Construction of Citrus Resource Development Center Building for Bayombong Campus  
Contract Cost 98,228,121.12  
Status: 89.93 % as of Dec. 2020



- Construction of Germplasm, Screen House and Headhouse  
Contract Cost: 2,811,555.87  
Status: 65.05% as of Dec. 2020



### **Bambang Campus**

- Improvement of Ladies IP Dormitory and Facilities  
Contract Cost: 4,969,055.35  
Status: 74.14% as of Dec. 2020



- Improvement of IT Building and Facilities  
Contract Cost: 8,791,316.48  
Status: 87.56% as of Dec. 2020



- Completion/Continuation of Academic Classroom Building and Facilities  
Contract Cost: 4,969,055.35  
Status: 68.40% as of Dec. 2020



- Improvement of Technology Laboratory Building and Facilities  
Contract Cost: 8,791,316.48  
Status: 51.08 % as of Dec. 2020

