

**NUEVA VIZCAYA STATE UNIVERSITY**

**ANNUAL REPORT**

**2018**





Republic of the Philippines  
**NUEVA VIZCAYA STATE UNIVERSITY**  
 Bayombong, Nueva Vizcaya

### VISION

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



Republic of the Philippines  
**NUEVA VIZCAYA STATE UNIVERSITY**  
 Bayombong, Nueva Vizcaya

### 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 Administration 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.



Republic of the Philippines  
**NUEVA VIZCAYA STATE UNIVERSITY**  
 Bayombong, Nueva Vizcaya

### 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.

## SUPPORT TO OPERATIONS (STO) ISO 9001:2015



Republic of the Philippines  
**NUEVA VIZCAYA STATE UNIVERSITY**  
 Bayombong, Nueva Vizcaya

### QUALITY POLICY

The Nueva Vizcaya State University is committed to deliver responsive, relevant, and quality services in the General Administration and Support Services (GASS) by ensuring the highest level of clientele satisfaction and complying with quality and regulatory standards set by interested parties and ISO 9001:2015 Quality Management System requirements.



Republic of the Philippines  
**NUEVA VIZCAYA STATE UNIVERSITY**  
 Bayombong, Nueva Vizcaya

### QUALITY OBJECTIVES

#### a. On Responsiveness

To provide efficient and effective administrative and support services in accordance with standard government procedures.

#### b. On Relevance

To deliver appropriate, practical, socially acceptable, and satisfactory administrative and support services.

#### c. On Quality

To ascertain that clients are delighted/satisfied with the systematic services accorded to them.



Republic of the Philippines  
**NUEVA VIZCAYA STATE UNIVERSITY**  
3700 Bayombong, Nueva Vizcaya

---

July 30, 2019

**His Excellency RODRIGO ROA DUTERTE**

President, Republic of the Philippines  
Malacañan Palace, Manila

Through: **Hon. J. PROSPERO E. DE VERA III, DPA**  
Chairperson, Commission on Higher Education

Dear Mr. President,

This is to submit the Nueva Vizcaya State University 2018 Annual Report.

The report covers the accomplishments of the University along instruction, research, extension, training and production.

Thank you for your continued support to the University as we remain steadfast to live up to its vision of providing quality education and services attuned to global competitiveness.

Sincerely yours,

**ANDRES Z. TAGUIAM**

University President

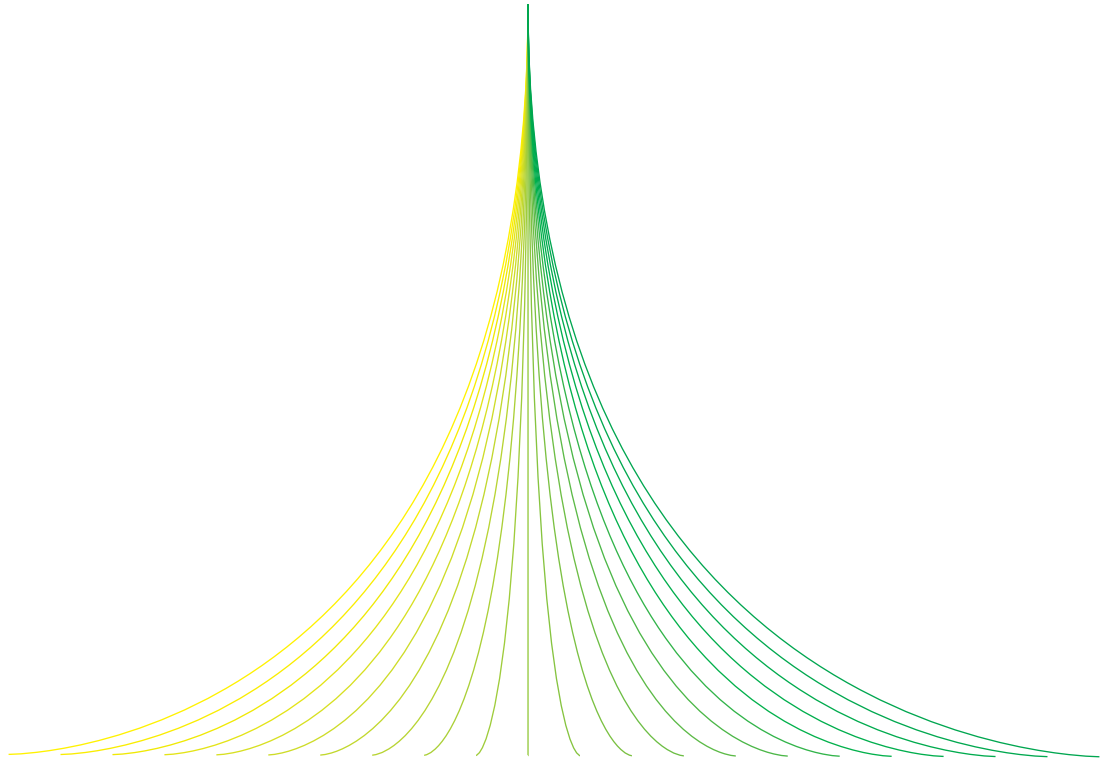
---

**Bayombong Campus**

Tel. No.: (078) 321-2280; Telefax: (078) 321-2112

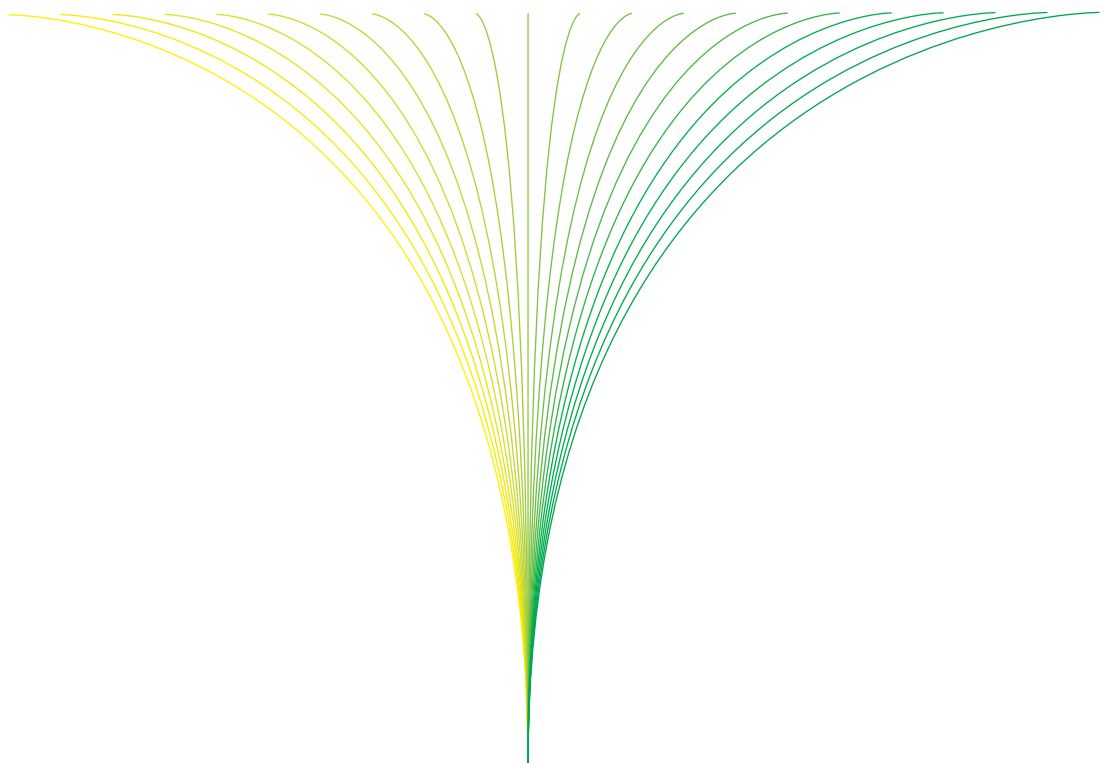
**Bambang Campus**

Tel. No.: (078) 803-1060; Telefax: (078) 321-3037



# **ANNUAL REPORT**

## **2018**



# TABLE OF CONTENTS

Cover  
Table of Contents  
Executive Summary

<b>1</b>	<b>ACADEMIC AFFAIRS</b>
2	Enrollment Profile
2	Graduation Profile
2	Academic Program Enhancement
5	Accreditation of Academic Programs
5	Learning Resource Center Enhancement
6	Students' Achievements
6	Performance to Licensure Examinations
7	Performance in National Competency Assessments
7	Students Award
7	Quiz Bee and other awards
8	Awards in Luzon-wide and Regional Conferences
9	Awards in Sports Competitions
10	Scholarship Grants and Financial Assistance
12	Faculty Welfare and Development
12	Faculty who completed Advance Degree Programs
13	Faculty Pursuing Advanced Degrees
18	Capability Enhancement and Retooling
19	Awards Received by Faculty
20	Faculty Profile
<b>21</b>	<b>RESEARCH &amp; DEVELOPMENT AND EXTENSION</b>
23	Resource Generation
25	Implemented Research Programs and Projects
31	On-going Projects
37	Awards and Recognition
41	Paper/Poster Presentations
61	Linkages and Collaboration with other Agencies
63	Trainings Conducted to other Clientele/Stakeholders
70	Seminars, Workshops, and Trainings Attended/Participated
74	Publications
76	Patent
77	List of Industrial Designs with Issued Certificates this 2018
78	List of Intellectual Property Assets under On-going Evaluation
79	Technology Forum and Exhibits
80	Other R E T Highlights
82	Extension Project Updates
84	Other Updates
<b>85</b>	<b>GENERAL ADMINISTRATION AND SUPPORT SERVICES</b>
86	SUC Levelling Endeavor
86	Physical Performance of the University
87	The GASS Personnel
90	Income Generating Projects
92	Planning Development and Information System
94	Internationalization

## EXECUTIVE SUMMARY

The year 2018 has been a great and blessed year for the Nueva Vizcaya State University. Its students, faculty and staff unceasingly worked to the best they can to accomplish great tasks and deliver services toward the continuous attainment of its vision, mission and goals.

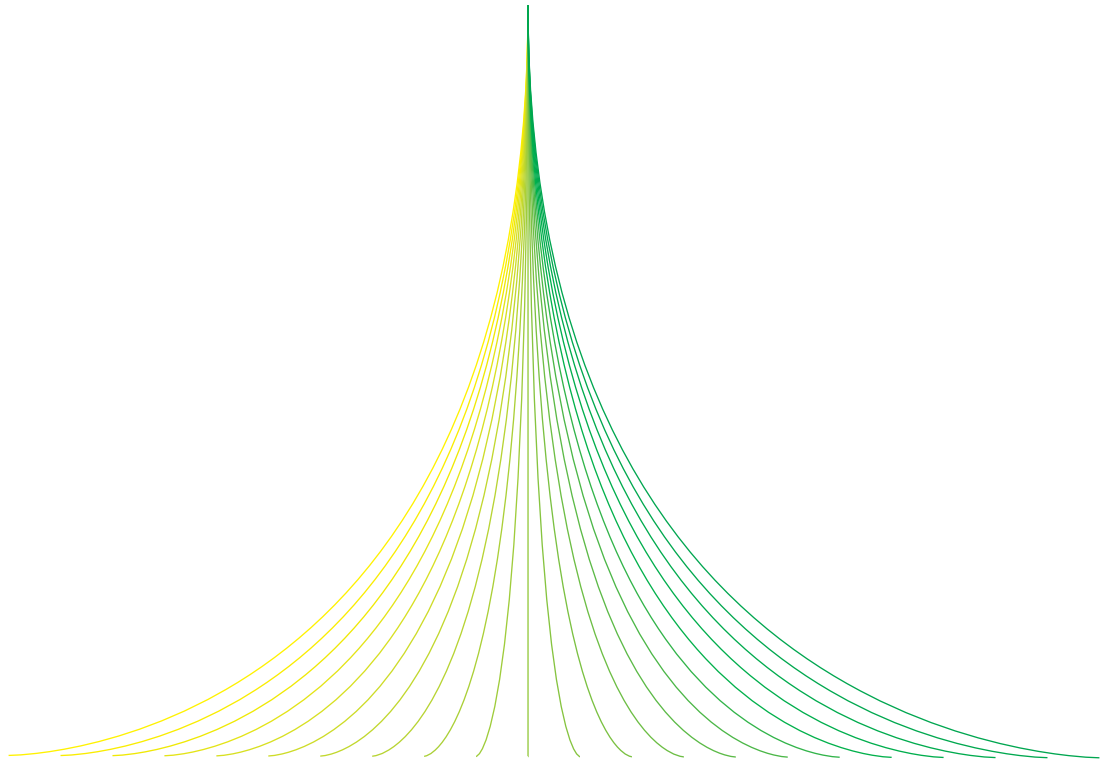
All of the curricular programs of the University had been subjected to review and revision to meet the standard requirement for the K to 12 program, the new educational system of the country as mandated by the Commission on Higher Education (CHED). Likewise, there were also three new curricular programs offered effective 1<sup>st</sup> semester, SY 2018-2019. All these programs were content noted by the CHED. Moreover, 10 programs were awarded Level III-Reaccredited status, two Level II- Reaccredited and two were awarded Candidate Status by the AACUP accreditation. Students bagged various awards in various competitions in co- and extra curricular contests, and sports competitions. Two students were regional qualifiers to the national search for the ten outstanding students of the Philippines (TOSP). Students were given opportunities to participate in seminar, trainings, conferences and paper presentations. Moreover, 12 out of the 16 licensure examinations results were higher than the national passing rates. Two graduates occupied tops seats, Engr. Ranier Jude Wendell Ruiz Lorenzo placed 5<sup>th</sup> with a rating of 91.50% in the Mechanical Engineering licensure examination and Forester Gerlyn B. Orpiano, 2<sup>nd</sup> placer obtained a rating of 91.70% in the Forestry licensure examination. Several faculty members have returned back to work after completing their respective doctoral and master's degree as assisted by their respective scholarship grants. As of the period, 46 members were sent to pursue their respective advance degree programs assisted by CHED, DOST and NVSU-FSDP. Three among these are enjoying scholarship programs in foreign Universities.

As for the Research and Extension functions of the University, a total of P30,736,562.17 was generated for the implementation of 13 new programs and projects. There are 26 on-going and projects/studies and 48 completed researches and projects, most of which are action researches. A total of 34 international, nine national, 12 regional and 52 local research outputs were presented. Awards were also bagged by researchers of which three in the international, seven national and 12 local. As of 2018, 33 MOA/MOU were forged for various research development and extension projects for the provision of resources, collaborative researches and trainings. As to extension and training, 3,204 recipients were extended with services and knowledge in various areas such as livelihood projects, agricultural production, homemaking and/or industrial technology, and other capability building activities. Likewise, a total of 1, 414 clients were provided with technical services from the faculty and staff of the various colleges and extension program of the university. Twenty-seven research and development outputs were patented, and 12 were published in various international and national journals. One important highlight in the University's R&DE endeavor was the hosting of the Citrus Fiesta funded by DOST-PCAARRD attended by various clients and stakeholders joining hands in promoting the citrus technology.

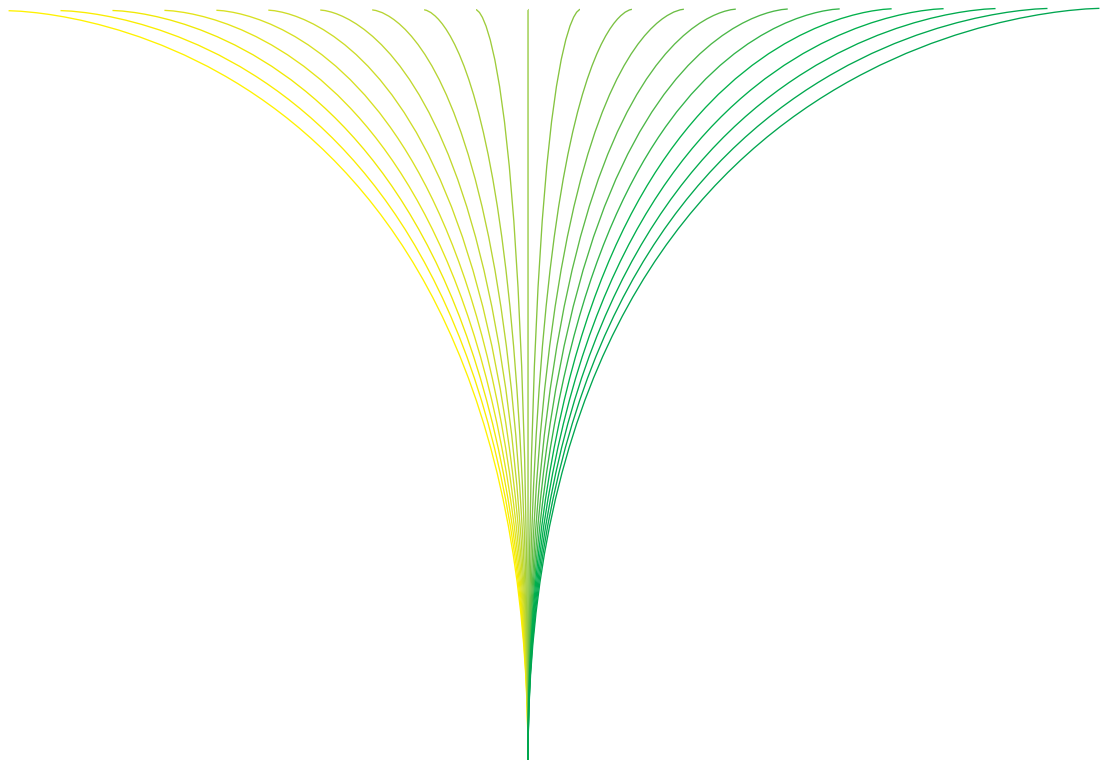
As a manifestation of its continuing quest for excellence, the University obtained SUC Level IV Status based on the criteria set by the SUC Levelling Instrument and was officially granted by the CHED under CMO No. 12 s. of 2018. The Support to Operations (STO) subjected its 92 processes to 1<sup>st</sup> and 2<sup>nd</sup> level audit by the ACS United States W3 Solutions and eventually obtained an ISO 9001:2015 Certificate. In terms of budget utilization, the University surpassed its targeted performance of 89% to an actual performance of 92.98%. The collaborative efforts of the 187

personnel made possible the great accomplishments of all the units in the general administration and support services (GASS). One of these is the maintenance of Level II Accreditation on the Program to Institutionalize Meritocracy and Excellence in Human Resource Development (PRIME-HRM). A Handbook that contains guidelines for recruitment, selection and placement, equal opportunity plan on performance management, and equal opportunity plan for rewards and recognition is in place. Several materials that contain guidelines and procedures in human resource management were also crafted. The University has also completed and repaired various infrastructure projects which amounted to P54,743,852.70. Titling of land assets of the University is on process. Recently, the Department of Environment and Natural Resources (DENR) Region 02 released the Plan of Land and Title of the 38.1 ha of land located at Tuao, Bagabag, Nueva Vizcaya. The Department of Environment and Natural Resources (DENR) Region 02 just recently approved the survey plan of the 51-hectare parcel of land owned by the university at Brgy. Balance, Town of Dupax del Norte. Such is needed to formally award the land title to the university.

The income generating projects recorded an income in the amount of P819,294.14 with total assets of P13,194,063 from the agriculture related projects and P2,616,444.09 from the auxiliary projects.



# **ACADEMIC AFFAIRS**





## ENROLLMENT PROFILE

The data below presents the enrolment of the two semesters covered by the year 2018. Enrolment for the 2<sup>nd</sup> semester of school year 2017-2018 was quite low. However, enrolment for the 1<sup>st</sup> semester school year 2018-2019 increased by 27.70%. The increase was evident particularly in Bayombong Campus.

2 <sup>nd</sup> Semester S.Y. 2017-2018			1 <sup>st</sup> Semester S.Y. 2018-2019	
	Bayombong	Bambang	Bayombong	Bambang
Senior High School			279	129
Undergraduate	4,156	2,613	5450	3867
Graduate	621	388	721	411
	4,777	3,001	6,171	3867
<b>TOTAL</b>	<b>7,778</b>		<b>10,759</b>	

## GRADUATION PROFILE

A total of **1,879** graduates was conferred their respective titles during the April 2018 commencements exercises; **1,090** in Bayombong Campus and **789** in Bambang Campus.

The table below shows the composition of graduates based on program levels.

Program Level	Bayombong Campus	Bambang Campus	Total
Graduate	31	11	42
Baccalaureate	948	747	1,695
Diploma/Certificate/Associate	111	31	142
<b>Total</b>	<b>1,090</b>	<b>789</b>	<b>1,879</b>

## ACADEMIC PROGRAM ENHANCEMENT

The Commission on Higher Education (CHED) issued Memorandum Order No. 20 s. of 2013 - "General Education Curriculum: Holistic Understandings, Intellectual and Civic Competencies" which aims to ensure that there is no duplication of subjects between basic and higher education. This is the new general education curriculum (GEC) which has been aligned with the advanced subjects now to be taken in Senior High School (Grades 11 and 12). Moreover, new CHED -Policies and Standard Guidelines (PSG) for various undergraduate degree courses were crafted and also to align these courses with the K-12 program.

As such, the university has conformed to these new reforms in the higher education program. The various curricular programs were revised to match the programs with the new provisions of the new educational program – the K to 12. Moreover, majors or fields of specialization were added to some of the existing curricular programs and three new curricular programs were offered to keep abreast of the fast changing era. Both the revised curricular programs and new course offerings were content noted by the CHED Region 02. These were offered on the 1<sup>st</sup> Semester of SY 2018-2019.

The revisions were done through a series of workshops participated in by all faculty concerned, students and alumni representatives, and stakeholders.

Below shows a list of the revised and new curricular programs which had been content noted.

### Revised and New Curricular Programs

**COLLEGE OF AGRICULTURE**

**CERTIFICATE OF AGRICULTURAL SCIENCES**

**BACHELOR OF SCIENCE IN AGRICULTURE**  
Animal Science  
Crop Science (Agronomy/Horticulture), Crop Protection (Plant Pathology/Entomology)  
Soil Science  
Agricultural Economics and Marketing  
Agricultural Extension and Communication

**BACHELOR OF SCIENCE IN FISHERIES**

**COLLEGE OF BUSINESS EDUCATION**

**BACHELOR OF SCIENCE IN AGRIBUSINESS**

**BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION**  
Financial Management  
Marketing Management  
Human Resource Management  
Business Economics

**COLLEGE OF ARTS AND SCIENCES**  
(Bayombong Campus)

**BACHELOR OF SCIENCE IN BIOLOGY**

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**  
Game Development  
Robotics

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**  
Web and Mobile App Development  
Network Design and Management

**BACHELOR OF SCIENCE IN MATHEMATICS**

**COLLEGE OF ARTS AND SCIENCES**  
(Bambang Campus)

**BACHELOR OF SCIENCE IN COOPERATIVE DEVELOPMENT**

**BACHELOR OF SCIENCE IN PUBLIC ADMINISTRATION**

**BACHELOR OF SCIENCE IN BIOLOGY**

**BACHELOR OF SCIENCE IN ENGLISH**

**COLLEGE OF ENGINEERING**  
(Bayombong Campus)

**BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOSYSTEMS ENGINEERING/BACHELOR OF AGRICULTURAL ENGINEERING**  
Soil and Water Management  
Crop Processing  
Farm Mechanization  
Farm Structure and Environmental Sanitation

**BACHELOR OF SCIENCE IN CIVIL ENGINEERING**  
Construction Engineering and Management  
Structural Engineering  
Transportation Engineering  
Water Resources Engineering

**BACHELOR OF SCIENCE IN GEODETIC ENGINEERING**

**COLLEGE OF ENGINEERING**  
(Bambang Campus)

**BACHELOR OF SCIENCE IN ELECTRONICS AND COMMUNICATION ENGINEERING**

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**

**BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING**

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING**

**COLLEGE OF VETERINARY MEDICINE**

**BACHELOR IN ANIMAL SCIENCE**

**DOCTOR OF VETERINARY MEDICINE**

**COLLEGE OF FORESTRY**

**BACHELOR OF SCIENCE IN AGROFORESTRY**

**BACHELOR OF SCIENCE IN FORESTRY**

**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE**

Environmental Planning  
Environmental Management  
Ecosystems Management

**BACHELOR OF SCIENCE IN ECOTOURISM**

**COLLEGE OF HUMAN ECOLOGY**

**BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT**

Restaurant Administration  
Hotel Administration

**BACHELOR OF SCIENCE IN TOURISM MANAGEMENT**

Destination Management  
Travel Management

**BACHELOR OF SCIENCE IN HOME TECHNOLOGY**

Food and Nutrition

**COLLEGE OF TEACHER EDUCATION**

(Bambang Campus)

**BACHELOR IN ELEMENTARY EDUCATION**

**BACHELOR IN SECONDARY EDUCATION**

English; Filipino; Mathematics; Social Studies;  
Biological Sciences; Physical Sciences; MAPEH

**BACHELOR OF SCIENCE IN INDUSTRIAL EDUCATION**

Technology and Livelihood Education; Drafting  
Technology; Electrical Technology; Automotive  
Technology; Refrigeration and Air-conditioning  
Technology; Food Technology; Furniture Design  
and Construction

**COLLEGE OF TEACHER EDUCATION**

(Bayombong Campus)

**BACHELOR OF ELEMENTARY EDUCATION**

**BACHELOR OF SCIENCE IN SECONDARY EDUCATION**

English  
Filipino  
Mathematics  
Social Studies  
Science Education

**BACHELOR OF EARLY CHILDHOOD EDUCATION**

**BACHELOR OF SCIENCE IN MATHEMATICS**

**BACHELOR OF PHYSICAL EDUCATION**

School Physical Education

**BACHELOR OF TECHNOLOGY AND LIVELIHOOD EDUCATION**

Industrial Arts  
Information and Communication Technology  
Home Economics  
Agri-fishery Arts

**BACHELOR OF TECHNICAL-VOCATIONAL TEACHER EDUCATION**

Automotive Technology; Civil Technology; Drafting  
Technology; Electronics Technology; Electrical  
Technology; Mechanical Technology; Welding and  
Fabrication Technology; Food and Service  
Management; Furniture and Cabinet Making;  
Heating, Ventilation and Air-conditioning  
Technology; Food Service Management;  
Garments, Fashion and Design; Beauty Care and  
Wellness; Computer Programming; Computer  
Hardware Servicing; Visual Graphic Design

**COLLEGE OF INDUSTRIAL TECHNOLOGY**

(Bambang Campus)

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

**BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT**

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**

**BACHELOR OF SCIENCE IN GARMENT TECHNOLOGY**

**BACHELOR OF SCIENCE IN ELECTRICAL TECHNOLOGY**

**BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY**

**BACHELOR OF SCIENCE IN AUTOMOTIVE TECHNOLOGY**

## Accreditation of Academic Programs

Accreditation is a continuing process. The University was visited by accreditors from the Accrediting Agency for Chartered Colleges and Universities Inc. (AACUP Inc.) this 2018. As such, 10 programs were awarded Level III- Reaccredited Status, two Level II-Reaccredited and two were Candidate Status. Academic programs subjected to AACUP Inc. are presented below:



PROGRAMS	LEVEL (ACCREDITATION STATUS)	DURATION OF VALIDITY OF ACCREDITATION STATUS
<b>Bayombong Campus</b>		
BS in Computer Science	Level III Re-accredited	November 1, 2018 – October 31, 2022
MS in Agriculture (Majors: Crop Science, Animal Science, Rural Development)	Level III Re-accredited	November 1, 2018 – October 31, 2022
Bachelor of Secondary Education (Majors: English, General Science, MAPEH, TLE)	Level II Re-accredited	January 1, 2019 – December 31, 2019
BS in Civil Engineering	Level II Re-accredited	January 1, 2019 – December 31, 2019
BS in Environmental Science	Candidate Status	January 1, 2019 – December 31, 2020
Ph.D. Science Education major in Mathematics	Candidate Status	January 1, 2019 – December 31, 2020
<b>Bambang Campus</b>		
AB in English	Level III Re-accredited	November 2018 – October 2019
Bachelor of Secondary Education	Level III Re-accredited	November 2018 – October 2019
Bachelor of Technical Teacher Education	Level III Re-accredited	August 2018 – July 2019
MA in Education	Level III Re-accredited	August 2018 – July 2019
Bachelor of Elementary Education	Level III Re-accredited	August 2018 – July 2019
MA in Teaching	Level III Re-accredited	August 2018 – July 2019
BS in Industrial Technology	Level III Re-accredited	August 2018 – July 2019
Master in Public Administration	Level III Re-accredited	August 2018 – July 2019

## Learning Resource Center Enhancement

The library as the hub of learning resources continues to build collections of reading materials in various forms in order to support the teaching-learning processes of the NVSU community. It is also a venue, that makes available the literature needs of faculty-researchers to support their writing research and development proposals and outputs. The table below shows the reading materials acquired for the year in review.

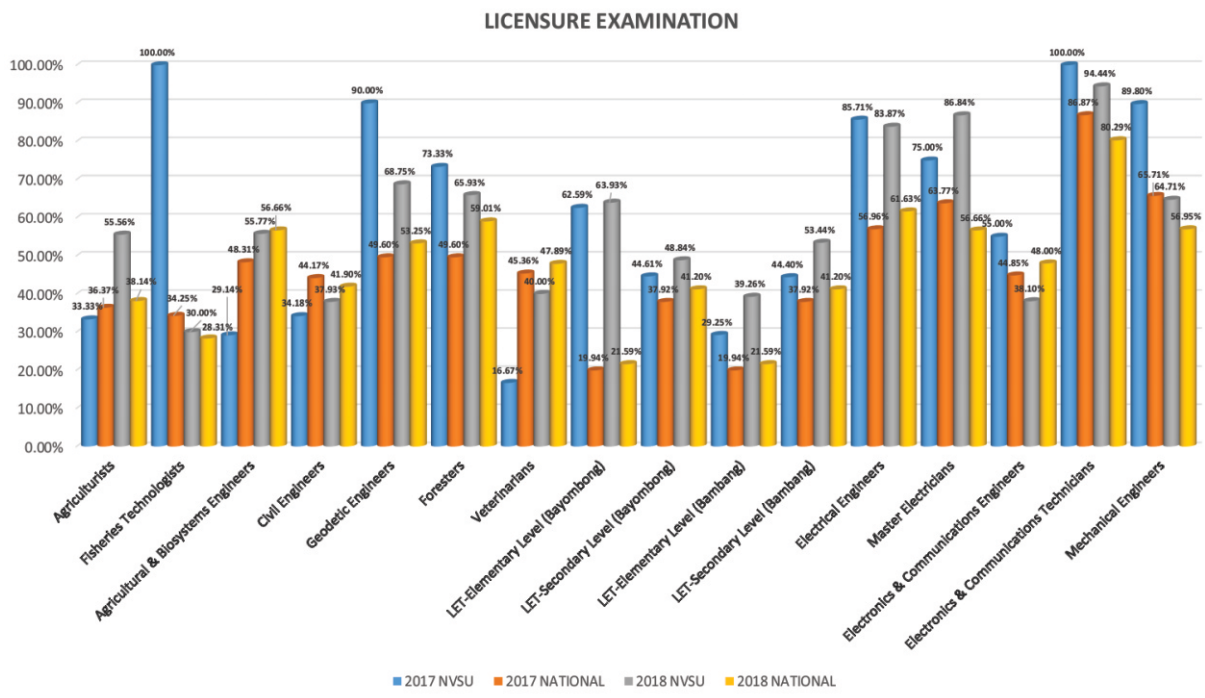
Acquired Library materials

Kinds of Materials	Mode of Acquisition/s		No. of Copy/ies
	Purchased	Donation/Gift	
<b>Bayombong Campus</b>			
Book/s	238	50	288
Non-book Materials (Periodicals)		151	151
AVR/e-resources		x	9
<b>Bambang Campus</b>			
Books	122	2	124
Non-book Materials (Periodicals)	68	6	74
Audio-visual Materials (CDs etc)	Audio-recorders – 579 titles, CD ROMs – 154 titles, Maps – 4, Globes - 4		

# STUDENTS' ACHIEVEMENTS

## Performance to Licensure Examinations

The graph below shows a comparative data on the performance of NVSU graduates in various licensure examinations for years 2017 and 2018. It can be gleaned that there was an improvement on the percentage passing rates of most of the licensure examination's results. Twelve out of the 16 licensure examination results manifested higher passing rates and/or have surpassed the national passing rates. These are the licensure examinations for Agriculturists, Fisheries Technologists, Agriculture and Biosystems Engineers, Veterinarians, Electrical Engineers, Master Electricians, Electronics and Communications Technicians, Mechanical Engineers, and Teachers in both campuses. The results manifest the continuing improvement and enhancement of the academic services of the University.



The following graduates of the University garnered top spots in the national licensure exams:

- **ENGR. RANIER JUDE WENDELL RUIZ LORENZO** led the new batch of NVSU Mechanical Engineers, obtaining a score of **91.50%** which placed him fifth during the August 2018 Mechanical Engineering board exams.
- **Forester GERLYN BARTE ORPIANO** obtained an outstanding score of **91.70%** landing her on the second spot while the university's overall passing rate reached **65.93%** with 60 examinees out of 91 who hurdle the 2018 Forester Licensure Examination (FLE). As a Center of Excellence in Bachelor of Science in Forestry Education, NVSU's College of Forestry has been consistent in achieving high passing rate in the FLE and producing licensed professionals and topnotchers.
- **Ms. Chastine Ramos** landed on top 9 while **Ms. Robelyn Limtuaco** and **Ms. Christine Concordia** bagged the 10th spot in the September 2018 Licensure Examination for Teachers (LET). The overall performance of both campuses are higher than that of the national passing percentage.



Engr. LORENZO



Forester ORPIANO



CHASTINE B. RAMOS  
SEED BATCH 2018  
TOP 9- REGIONAL (83.80%)



CHRISTINE V. CONCORDIA  
SEED BATCH 2018  
TOP 10- REGIONAL (83.40%)



ROBLYN A. LIMTUACO  
SEED BATCH 2018  
TOP 10- REGIONAL (83.60%)

## Performance in National Competency Assessments

It is interesting to note that almost all the national competency assessments resulted to 100% passing rates. Only one of the NC competency examination did not obtain a 100% passing rate. However, this can still be considered a very good performance. Because only one failed in the 40 takers of the Breads Pastry competency exam.

Type of Competency	Number of Takers	Number of Passers	Passing Rate	Date of Assessment
Organic Agriculture NC II	32	32	100%	September 30 2018
NC2 Bread and Pastry	17	17	100%	February 9-10, 2018
NC2 Cookery	2	2	100%	
NC 2 Bar & Beverage Services	1	1	100%	
NC2 Front Office Services	35	35	100%	December 17, 2018
Tailoring	2	2	100%	January 3-4, 2018
Tailoring	9	9	100%	January13,14, 2018
Dressmaking	15	15	100%	February 9-10,2018
Front Office Services NC II	6	6	100%	May 25, 2018
Housekeeping NC II	11	11	100%	May 25, 2018
Breads & Pastry Production NC 11	40	39	97.5%	February 9-10, 2018
Tour Guiding Services NC II	62	62	100%	December 17-18, 2018
Front Office Services NC II	20	20	100%	December 17, 2018

## Student Awards

**Ten Outstanding Students Award.** Two students qualified for the Ten Outstanding Students of the Philippines (TOSP). Laymar P. Umhao, BS Agricultural Engineering qualified as a Regional Finalist and Zaira Katrina C. Yango was awarded as one of the TOSP for Region 02 and a National Qualifier.



## Quiz Bee and Other Awards

The Institute of Computer Engineers of the Philippines held the 6th ICpEP National Conference on Computer Applications, Innovations, Technologies and Engineering (CAITE ) on November 26 - 29, 2018 in Baguio City. The Nueva Vizcaya State University, representing Region 02 bagged the 1st Runner Up for the Robotics-SumoBot competition; placing the name of the university in the field of robotics in the Philippines.



In the Environmental Quiz Bee held in Boac, Marinduque Province sponsored by the FCF Minerals held on September 24-27, 2018, participants from the University garnered top ranks as follows:

- Devorah Jane Buado & Ralph Guzman - 1<sup>st</sup> Place, Quiz Bee, 2<sup>nd</sup> Place Editorial Writing
- Vincent Arciaga - 1<sup>st</sup> Place, Song Interpretation and Dance Interpretation
- Jade Michael Santos - 2<sup>nd</sup> Place, Project Proposal Making and Survival Challenge
- John Mark Lubisyo - 3<sup>rd</sup> Place, Song Making Contest

Some students of the University competed in various events during the Citrus Festival facilitated by the Cagayan Valley Agriculture Resources Research and Development (CVARRD) held on September 14, 2018 at the NVSU Gymnatorium. They bagged the following awards:

- Ramoncito Eusebio & Christian Jay Germinal- 1<sup>st</sup> Place, Citrus Based Dessert Making Contest
- Ryan Joe Wigan and Bryan Betonio - 1<sup>st</sup> Place, Citrus Based Cooking Contest
- Ronnel Ngohayon - 3<sup>rd</sup> Place, Fruit Carving
- Jefferson Tandayu and Jeffer Aduca - 3<sup>rd</sup> Place, Tour Guiding
- Jomar B. Esteban - 2<sup>ND</sup> Place, Poster Making Contest

In the 9<sup>th</sup> Regional Roadshow held at Isabela State University, information technology students garnered the following awards:

- Janley Crisologo, Irene May Ruiz, and Althea Meani Tiam - 1<sup>st</sup> Runner-up, General Programming,
- Charlene dela Cruz, and Arjayysit Albert Castañeto Albert - 2<sup>nd</sup> Runner-up in Database Programming
- Marlon Lacquias, Marc Alvin Hernaez and Clarence Pacquit - 1<sup>st</sup> Runner-up Graphics Lay-out
- Jeo Barrientos, Marvin Gapuz and Genesis Casem - 1<sup>st</sup> Runner-up Web Page Development

A Video Making Competition sponsored by the Department of Labor and Employment (DOLE) held in Hotel Carmelita, Tuguegarao in May 2018 was participated in by Mr. Lexlibid Ivan Castro landing 4<sup>th</sup> place.

Two students, Mr. Jeo Barrientos and Lexlibid Ivan Castro bagged the 1<sup>st</sup> Place awards in the Video Making and Photography during the First Bambang Visual Art Exhibit held on April 18, 2018 at Bambang Municipal Hall, Bambang, Nueva Vizcaya.

#### **Awards in Luzonwide and Regional Conferences**

Staff Members of the NVSU Gazette of Bambang Campus bagged various awards during their participation in the Luzon-wide and Regional Higher Education Press Conferences.

In the 17<sup>th</sup> Luzon-wide Higher Education Press Conference (LHEPC) held at Hotel Supreme, Baguio City on February 28-March 2, 2018 the awards received were:

- Champion-Photo Journalism Filipino - Jan Erick P. Cantor BS Biology
- 1<sup>st</sup> place in Photo Journalism (Filipino) Jan Erick P. Cantor
- 4<sup>th</sup> place in Feature Writing (English) - Chris C. Buluan
- Broadsheet - 10<sup>th</sup> Page Design, 8<sup>th</sup> Feature Page, 6<sup>th</sup> Sport Page
- Literary Folio - 6<sup>th</sup> Cover Design

In the Regional Higher Education Press Conference (RHEPC) held in PLT Resort, Bascaran, Solano Nueva Vizcaya on December 5-7, 2018, the awards received were:

#### **❖ Group**

##### **a. Tabloid**

- 2<sup>nd</sup> Place - News Page, Literary Page, Features Page, Sports Page and Developmental Communication Page
- 3<sup>rd</sup> Opinion Page

## b. News Letter

- 2<sup>nd</sup> Place - News Page
- 3<sup>rd</sup> Page - Page Design
- 4<sup>th</sup> Place - Literary Page and Sports Page
- 5<sup>th</sup> Place - Opinion Page
- 7<sup>th</sup> Place - Developmental Communication Page
- 10<sup>th</sup> Place - Page Design and Feature Page

## c. Literary Folio -1<sup>st</sup> Literary Graphics

- 2<sup>nd</sup> Place - Page Design
- 4<sup>th</sup> Place - Literary Content and Literary Concept
- 7<sup>th</sup> Place - Cover Design

## ❖ Individual Categories

- Jennyvev Alias - 2<sup>nd</sup> Place in Feature Writing (English)
- Marjorie Lozano - 3<sup>rd</sup> Place in Feature Writing ( Filipino)
- Dynette Jade Galindez - 3<sup>rd</sup> Place DevCom Writing, 7<sup>th</sup> Place in DevCom Writing (Filipino), (English), 10<sup>th</sup> Place Column Writing (English)
- Xien Lei Buyuccan - 5<sup>th</sup> Place in Sports Writing ( Filipino)
- Roniel Laguinin - 6<sup>th</sup> Place in Photojournalism (Filipino)
- Robert Pugayan Jr. - 7<sup>th</sup> Place in Literary Graphics (English) and Comic Strip Drawing (English)
- Clarie Anne Vallejos - 8<sup>th</sup> Place in Editorial Writing (Filipino)
- Rhonirose Villamor - 8<sup>th</sup> Place in Comic Strip Drawing (Filipino)
- Oliver Lacquais - 9<sup>th</sup> Place in Copy reading and Headline Writing (Filipino)
- Shania Gale Reye - 10<sup>th</sup> Place in Copy reading and Headline Writing (English)

## Awards in Sports Competitions

In the national and State Colleges and Universities Athletic Association (SCUAA) meet held at Antique State University on February 18-23, 2018, the awards garnered were as follows:

- Aileen Cariaga - Gold Medalist, Archery
- Angelica Aparis - Gold Medalist, Swimming
- Hazel Jade Antonio - 1<sup>st</sup> Place, Taekwondo, Women
- Mary Anglie Villegas - 1<sup>st</sup> Place, Long Jump and 2<sup>nd</sup> Place, 100 MD
- Michael Jade Galvan - Gold Medal, 3K-Run, Silver Medal, 5K-Run
- Ralph Gabit - 2<sup>nd</sup> Place, Athletics Team
- Bryan Nicko Atchuela - 3<sup>rd</sup> Place, Mr. SCUAA 2018
- Benedict Peralta - 3<sup>rd</sup> Place, Taekwondo, Men
- Shanina Mae Garcia - 5<sup>th</sup> Place, Athletics Women



In the 2018 Regional SCUAA, a total of **52** Gold Medals, **78** Silver Medals and **95** Bronze Medals were bagged by the NVSU athletic delegation. Moreover, the NVSU's candidate to the Search for Mr. SCUAA in the person of Mr. Bryan Nicko Atchuela was proclaimed as Mr. SCUAA 2018.

## Trainings/Workshops/Fora Attended

The students are sent to various training/seminar-workshops and fora, to expose them to various learnings outside University. Mr. Erwin Balintag a BS Fisheries student had the opportunity to be sent to an international travel grant to San Francisco, United States of America sponsored by the Indigenous People's Festival from September 19 to October 14, 2018.





## Scholarship Grants and Financial Assistance

The Universal Access to Quality Tertiary Education (UAQTEA) also known as Republic Act 10931 was approved and implemented this AY 2018-2019. It has four programs namely; the Free Higher Education (FHE), the Free Technical-Vocational Education and Training (TVET), Tertiary Education Subsidy (TES) and Study Loan Program (SLP).

Notably, NVSU is among the 112 State Universities and Colleges (SUCs) that started implementing the FHE which grants the following benefits: Free Tuition and Miscellaneous Fees plus other school fees.

Moreover, 64 students from Bayombong Campus and 215 in Bambang Campus were qualified to the TES program while enjoying the FHE. The TES program provides the beneficiaries a monthly allowance of P3,000.00 and a semestral book allowance of P2,500.00.

Apart from the above, there are a total of 56 in Bayombong Campus and 48 in Bambang Campus scholarship grants/assistance enjoyed by several students while pursuing their respective academic degrees. Below shows a list and the number of students served by these scholarship grants and financial assistance.

No.	Scholarship Grants/Assistance Program	No. of Scholars / Grantees 2 <sup>nd</sup> semester SY 2017-2018	No. of Scholars / Grantees 1 <sup>st</sup> semester SY 2018-2019
<b>BAYOMBONG CAMPUS</b>			
	AAMAC	10	-
	ACADEMIC-FULL	3	30
1.	ACADEMIC-HALF	-	155
2.	AESP – BSAENG REGULAR	13	-
3.	AGRI PARTYLIST	-	1
4.	ANAC-IP (CHED-TDP)	57	33
5.	ANAC-IP (SUC-TDP)	54	50
6.	ANDRES P. TAMAYO, FOUNDATION, INC.	7	3
7.	ATHLETIC-FULL	2	-
8.	BFAR	4	1
9.	BSFISHERIES	10	10
10.	BUTIL (SUC-TDP)	62	63
11.	CHED-CAR	2	2
12.	CHED-FULL MERIT	2	3
13.	CHED-HALF MERIT	4	-
14.	CHED – TDP (NEW) CONG. CUARESMA	-	255
15.	CHED-TDP (ON-GOING) CONG. CUARESMA	-	238
16.	CIBAC PARTYLIST	27	18
17.	CONG. CUARESMA	366	492
18.	CONG. CUARESMA – 15 <sup>TH</sup> BATCH TD01	15	-
19.	CONG. CUARESMA – 16 <sup>TH</sup> BATCH TD01	14	-
20.	CONG. CUARESMA – 14 <sup>TH</sup> BATCH TD01	15	-
21.	CONG. CUARESMA – 17 <sup>TH</sup> TD01	15	-
22.	DA-ACEF	26	26
23.	DIWA (SUC-TDP)	33	33
24.	DOST	16	9
25.	ENVIRONMENTAL SCHOLAR	141	-
26.	ESGP-PA	141	75
27.	FCF	19	10
28.	FREE TUITION FEE	4,147	5,412
29.	GSIS	1	1
30.	ISKOLAR NG BAYAN	153	153
31.	KALINGA (SUC-TDP)	30	-
32.	LGU-DUPAX SUR	6	-

No.	Scholarship Grants/Assistance Program	No. of Scholars / Grantees 2 <sup>nd</sup> semester SY 2017-2018	No. of Scholars / Grantees 1 <sup>st</sup> semester SY 2018-2019
<b>BAYOMBONG CAMPUS</b>			
36.	LGU/BARANGAY	9	-
37.	LGU-ARITAO (ASEAP)	5	-
38.	LGU-STA. FE	7	-
39.	LINKAPIL (CFO)	2	2
40.	NCIP	17	17
41.	NGCP	2	2
42.	OCEANA GOLD	17	13
43.	OFW ACTS PARTYLIST		42
44.	OFW PARTYLIST	26	47
45.	OWWA	2	2
46.	PAMANA	15	15
47.	PRIVILEGE	8	-
48.	PVAO	1	1
49.	SAGUT	-	75
50.	SEEDS-GREENWICH	1	1
51.	TAN YAN KEE	5	15
52.	Tertiary Education Subsidy (TES)	-	64
53.	TRILLANES-MAGDALO PARTYLIST (CHED-TDP)	15	14
54.	UNA ANG EDUKASYON	5	5
<b>BAMBANG CAMPUS</b>			
1.	ACADEMIC Scholars -HALF	1	-
2.	ATHLETIC-FULL	6	-
3.	CHORALE	1	-
4.	PRIVILEGE	2	-
5.	AGRI-PARTYLIST	9	-
6.	ANAC-IP PARTYLIST (GAA)	1	30
7.	ANAC-IP PARTYLIST (CHED)	3	25
8.	AGRI-PARTYLIST CHED	-	6
9.	BRGY. BANGGOT LGU	1	-
10.	BOLD	2	-
11.	CHED-CAR	2	-
12.	CHED FULL MERIT	1	1
13.	CHED HALF MERIT	2	1
14.	CHED PAMANA	2	-
15.	CHED TULONG-DUNONG	1	-
16.	CONGW. BANTI CUARESMA-GAA	334	311
17.	CONGW. BANTI CUARESMA-CHED	100	446
18.	CONGW. BANTI CUARESMA CHED	-	60
19.	DIWA	17	17
20.	DOST	23	-
21.	ESGP-PA OLD GRANTEES	114	-
22.	ESGP-PA NEW GRANTEES	16	-
23.	ISKOLAR NG BAYAN-FULL MERIT	8	7
24.	ISKOLAR NG BAYAN-HALF MERIT	17	14
25.	ISKOLAR NG BAYAN-TULONG DUNONG	8	8
26.	KALINGA PARTYLIST	2	2
27.	LGU-ARITAO	29	20
28.	LGU-DUPAX DEL SUR	33	27
29.	LGU-QUIRINO (CONG. CUA)	3	1
30.	LGU-STA. FE	10	6
31.	NCIP	27	32
32.	NGCP	8	7
33.	AAMAC	11	-
34.	CLAS CLAN	14	-

	Scholarship Grants/Assistance Program	No. of Scholars / Grantees 2 <sup>nd</sup> semester SY 2017-2018	No. of Scholars / Grantees 1 <sup>st</sup> semester SY 2018-2019
<b>BAMBANG CAMPUS</b>			
35.	FCF	3	-
36.	GSIS	1	2
37.	MASON	1	-
38.	OCEANA GOLD	18	-
39.	OWWA	1	2
40.	TAMAYO	6	-
41.	TRI-CORD	1	-
42.	DEPARTMENT OF SCIENCE AND TECHNOLOGY	-	22
43.	ESGP-PA	-	74
44.	SAGUT	-	5
45.	SEN. VILLANUEVA	-	1
46.	TERTIARY EDUCATION SUBSIDY	-	215
47.	AGRI-PARTYLIST CHED	-	2
48.	OFW PARTYLIST	-	5

## FACULTY WELFARE AND DEVELOPMENT

In its quest to deliver excellent services to its clientele, upgrading of manpower capability and competence is a continuous process in the University. Faculty members were sent to pursue their respective advance degree programs. Likewise, retooling of knowledge and skills were continuously carried out through the attendance of faculty to training/seminars and conventions.

### Faculty who Completed Advance Degree Programs

Below is the list of faculty members who just returned to work after having completed their respective advance programs. Four have completed their doctoral and 12 masteral programs.

NAME	DEGREE	SCHOOL	EFFECTIVITY
Claire R. Reginalde	Ph.D. Management	University of Cordilleras	June 2018
Lanny D. Dullas	Ph.D. Science Education- Mathematics	St. Mary's University	June 2018
Rhea I. Adriatico	Ph.D. – ODP	NVSU Bambang	June 2018
Gail G. Gumilet	Ed.D. –Educational Management	NVSU Bayombong	June 2018
Aloisa R. Camangian	Ph.D. Science Education- General Science	NVSU Bayombong	June 2018
Karen D. Taclay	MS Mathematics	UP Baguio	January 2018
Mary Jane B. Cortez	MS Biology	CLSU	October 2018
Daniel Marvin B. Ramel	MS Biology	CLSU	June 2018
Romnick L. Pascua	MS Forestry	NVSU Bayombong	June 2018
Cherrie Prella C. De Guzman*	Master in Management Business Management	NVSU Bayombong	June 2018
Gremaline T. Flor*	Master of Science – Home Technology	NVSU Bayombong	June 2018
Sarilyn R. Lopez*	Master of Science in Teaching- Mathematics	NVSU Bayombong	June 2018

NAME	DEGREE	SCHOOL	EFFECTIVITY
Flormelyn D. Tumenez*	Master of Management-Business Management	NVSU Bayombong	June 2018
Melvin O. Allama*	Master of Science-Rural Development	NVSU Bayombong	June 2018
Angelito D. Agrimor*	Master of Science in Agricultural Engineering	NVSU Bayombong	June 2018
Lionel F. Dumelod	Master in Business Administration	St. Mary's University	June 2018
Freddie V. Patricio	Master of Arts in Teaching- Mathematics	NVSU Bambang	June 2018

Legend: \* - On-going

### Faculty Pursuing Advanced Degrees

A total of 46 faculty members from both campuses are pursuing their respective advance education degree programs; 35 in Bayombong Campus and 11 in Bambang Campus.

These faculty members are enjoying scholarship grants. Three are pursuing their respective degree programs in foreign Universities with scholarship grants. Moreover, five are recipients of the DOST Scholarship Program, 28 are CHED K-12 grantees and 27 are NVSU - FSDP recipients. One is completing her program on her own.

### List of Faculty on Study Leave

Name of Grantee	Scholarship Grant	Date Granted	Degree/ Course	University	Expected to Return
Joseph F. Valdez	2018 Global Korea Scholarship Program for Graduate Degrees	September 2018	MS Chemistry	Seoul National University	August 31, 2021
William D. Magday, Jr.	Ph.D. Scholarship Program for ASEAN (Phase II)	July 2016	Ph.D. English Language Studies	Suranaree University of Technology Thailand	July 2019
Vernadyn A. Morillo	Special Financial Support Program for International Students of the Doctoral Program of Obihiro University of Agriculture and Veterinary Medicine	April 1, 2017	Ph.D. Animal and Food Hygiene	Obihiro University of Agriculture and Veterinary Medicine, Obihiro, Japan	March 2020

Name of Grantee	Scholarship Grant	Date Granted	Degree/ Course	University	Expected to Return
Mary Hazel Joy C. Ugot	DOST-ERDT	August 2018	Ph.D. Agricultural Engineering	UPLB	August 2021
Judith O. Guyod	DOST – SEI Strand 2	January 2018	Ph.D. Chemistry	De La Salle University	January 2021
Jay Roy D. Velasco	DOST – SEI Strand 2	January 2018	Ph.D. in Science Education- Mathematics	St. Mary’s University	January 2021
Agustin B. Lunag	DOST	January 2017	Ph.D. Crop Science	CLSU	January 2020
Glaizalyn B. Lictawa	DOST – ERDT	September 2017	Ph.D. Agricultural Engineering	CLSU	September 2020
Rosemarie A. Cadiente	CHED K-12	September 2017	Ph.D. Science Education – Physics	De La Salle University	September 2020
Ma. Teresa A. Fulgencio	CHED K-12	August 2017	Ph.D. in Human Nutrition	UPLB	August 2020
Danilo C. Macaraeg	CHED K-12	August 2017	Ph.D. Agricultural Science-Crop Science	Isabela State University	August 2020
Carmelo Alejo D. Bisquera	CHED K-12	August 2017	Doctor of Information Technology	St. Paul University	August 2020
Revelyn L. Marcos	CHED K-12	August 2017	Doctor in Business Administration	St. Louis University	August 2020
Gydabelle M. Olaya	CHED K-12	September 2017	Ph.D. in Development Studies	De La Salle University	September 2020
Fidel G. Patricio, Jr.	CHED K-12	July 2017	Doctor in Information Technology	St. Paul University	July 2020
Michael John R. Robles	CHED K-12	August 2019	Doctor in Information Technology	St. Paul University	August 2020
Rebecca G. Wangdale	CHED K-12	August 2017	Ph.D. Environmental Science	UPLB	August 2020

Name of Grantee	Scholarship Grant	Date Granted	Degree/ Course	University	Expected to Return
Jane B. Bacani	CHED K-12 Scholarship	January 2017	Ph.D. in Rural Development	Benguet State University	January 2020
Teresita B. Barangay	CHED K-12 Scholarship	July 2016	Doctor in Business Management major in Hospitality Management	St. Paul University, Tuguegarao City	July 2019
Lourdes T. Capua	CHED K-12 Scholarship	July 2016	Doctor in Business Management major in Hospitality Management	St. Paul University, Tuguegarao City	July 2019
Jacqueline V. Iglesias	CHED K-12 Scholarship	September 2016	Ph.D. Educational Psychology	De La Salle University Manila	September 2019
Jayson Q. Caranza	CHED K-12 Scholarship	August	Ph.D. in Environmental Science	University of the Philippines Los Banos	September 2019
Katrine Angela A. Tucay	CHED K-12 Scholarship	August 2016	Doctor in Business Administration	De La Salle University Manila	August 2019
Ronald A. Huggay	CHED K-12	June 2016	Doctor of Engineering – Electrical & Electronics Engineering	University of the Philippines - Diliman	June 2019
Fritzie A Sison	CHED K-12	August 2016	Ph.D. in Literature	University of Santo Tomas	August 2019
Rodney Cajimat	CHED K-12	June 2016	Ph.D. Science Education- Biology	De La Salle University	June 2019
Astrid P. Yago	CHED K-12	June 2016	Ph.D. Filipino	University of the Philippines	June 2019
Linette T. Wakit	CHED K-12	August 2017	Ph.D. English	University of Santo Tomas	August 2020
Aurelio F. Polonio	CHED K-12	August 2017	Ph.D. English	University of Santo Tomas	August 2020
Romeo P. Evangelista	FSDP/CHED K-12 Scholarship	June 2016	Doctor in Information Technology	St. Paul university	June 2019

Name of Grantee	Scholarship Grant	Date Granted	Degree/ Course	University	Expected to Return
Fernando C. del Mundo, Jr.	FSDP	January 2018	DPA	Isabela State University	2019
Joan Hazel V. Tiongson	FSDP	October 2017	Doctor in Information Technology	St. Paul University	October 2020
Bryan B. Gabatino	FSDP	January 2017	Ph.D. Educational Management	Philippine Normal University	June 2019
Ma. Lourdes G. Doctor	FSDP	August 2017	Ph.D. Educational Management	St. Louis University	August 2020
Gerald L. Perez	FSDP OT-Full Time	September 2018	Doctor in Educational Management	NVSU Bambang	January 2019
Leofred C. Velasco	CHED K-12	August 2017	MS Aquaculture	Central Luzon State University	August 2019
Maureen Aiza S. Caluya	CHED K-12	August 2017	MA in Social Development Studies	UP Baguio	August 2019
Jason Roy C. Irabagon	CHED K-12 Scholarship	January 2017	Master in Information Technology	University of Cordilleras	January 2019
Mary Jane B. Cortez	CHED K-12 Scholarship	August 2016	MS in Biology	Central Luzon State University	October 2018
Arshiela G. Manuel	CHED K-12 Scholarship	August 2016	MA in Language and Literature	University of the Philippines Baguio	August 2018 December 2018
Larry P. Remolazo	CHED K-12	August 2017	MS Engineering-Mechanical Engineering	St. Louis University	August 2019
June C. Quipo	FSDP Official Time & Full Time	August 2018	MS Agricultural Engineering	CLSU	January 2019
Khrizna M. Tolosa	FSDP	January 2016	MA in Social Development Studies	UP Baguio	January 2016

Name of Grantee	Scholarship Grant	Date Granted	Degree/ Course	University	Expected to Return
Simpher R. Guyong	FSDP	August 2018	Master of Science in Engineering	TUP	
Tony O. Basatan	FSDP OT-Full Time	August 2018	Master of Arts in Teaching	NVSU Bambang	December 2018
Edilberto H. Salinas	FSDP	August 2017	Doctor in Public Administration	Isabela State University	August 2020
Arnulfo W. Maur	FSDP	September 3, 2018	Doctor of Education	NVSU Bambang Campus	December 2018
Rommel M. Cudia	FSDP	Second Semester, 2018	Doctor of Education	NVSU Bambang Campus	2019
Fernando I. Guyong	FSDP	Second Semester, 2018	Doctor of Education	NVSU Bambang Campus	2019
Fernando C. del Mundo, Jr.	FSDP	Second Semester, 2018	DPA	Isabela State University	2019
Ernesto B. Bausel, Jr.	FSDP	Started 2016	Master in Engineering	Saint Louis University	To render practicum during his vacant periods finish his thesis)
Joseph Cris R. Ablao	FSDP	January 2018	MPA	NVSU Bambang Campus	Second Semester, 2019
Michael D. Aliaga	FSDP		Master in Information Technology	Saint Mary's University	2019
Vernyll Jan P. Asis	FSDP	January 2018	Master in Information	Saint Mary's University	2019
Jan Vincent C. Lagmay	FSDP	January 2018	Master in Information	Saint Mary's University	2019
Alexander Pagatpatan	FSDP	January 2018	MAT	NVSU Bambang Campus	2019



Name of Grantee	Scholarship Grant	Date Granted	Degree/ Course	University	Expected to Return
Mark Philip V. Mendoza	FSDP	January 2018	MAT/	NVSU Bambang Campus	2019
Rogelio Abalos, Sr.	FSDP	January 2018	MAT/	NVSU Bambang Campus	2019
Michelle A. Abalos	FSDP	January 2018	MAT	NVSU Bambang Campus	2019
Claydon Wigan	FSDP	January 2018	MAT	NVSU Bambang Campus	2019
Hana Gay Mejia	FSDP	January 2018	MAT	NVSU Bambang Campus	2019
Jenskin C. Ampat	FSDP	January 2018	MAT	NVSU Bambang Campus	2019
Marvin Dallego	FSDP	January 2018	Master of Science in Teaching	Saint Mary's University	2019
Gavelias H. Velasco	FSDP	January 2018	MAT	NVSU Bambang Campus	2019
Elvie O. Tomas	Personal	January 2017	Master in Industrial Education	Tarlac State University	January 2019

### Capability Enhancement and Retooling

The attendance of faculty to various training, seminars, fora, and conventions is a means to enhance their capabilities and grasp new trends and technologies in their respective fields of specializations. As such, their attendance further enriched their knowledge and skills thus strengthening the delivery of service to the clientele – the students. The data below shows the attendance of faculty and staff to various capability enhancement and retooling activities.

Campus	International	National	Regional/Zonal	Local
Bayombong	04	199	74	106
Bambang	01	07	05	17

## Expert Services Rendered

As a consequence of the continued manpower capability enhancement strategies, the expert services are sought by other agencies, institutions, and organizations like lecturers, consultants, accreditors and the like. Likewise, a lot of the faculty members possess skills and talents beyond their chosen fields, (i.e. culture, arts, and athletics), hence, they also served as coaches and trainers. Below shows the data on the expert services shared by the faculty in various events.

Expert Services	Number
Accreditor	9
R&DE Review Evaluator	7
Judge to Student Competitions	3
Coaches/trainors to academic, cultural and sports competitions	21
Assessor	10

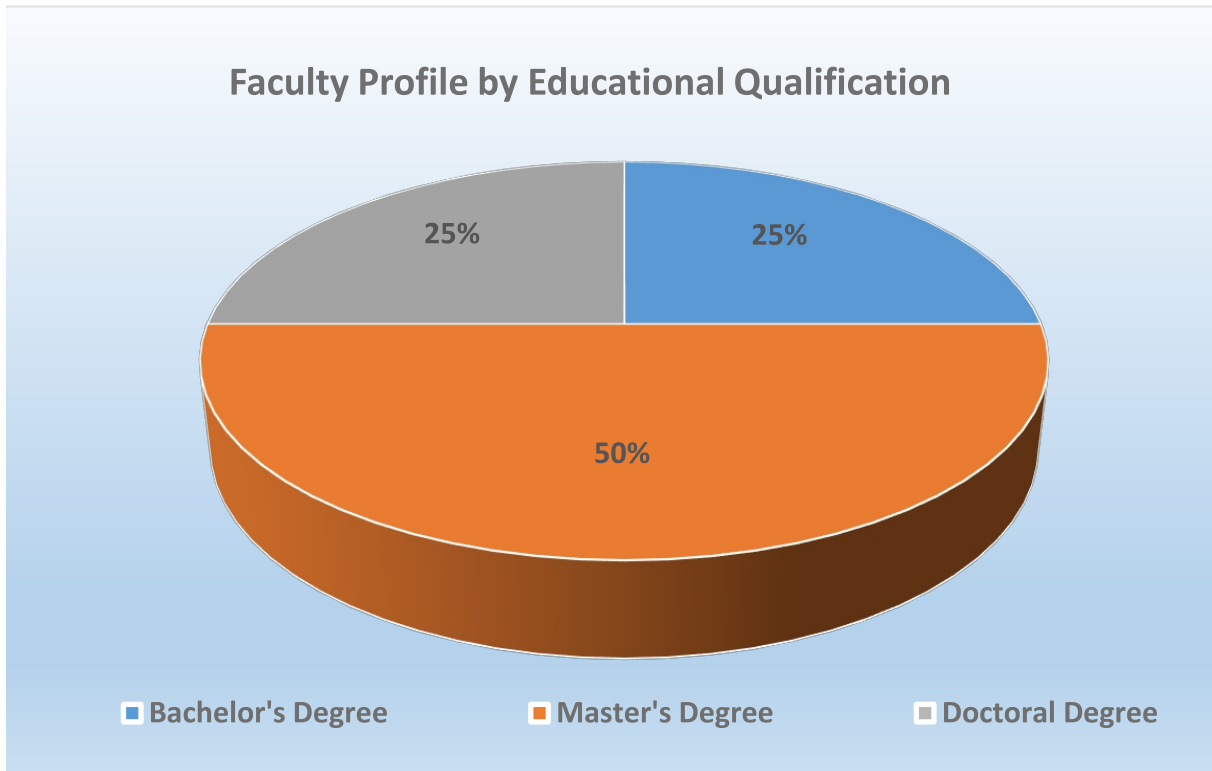
## Awards Received by Faculty

- **DR. LOVELLA GAMPONIA-VELASCO** member of the College of Arts and Sciences in NVSU Bambang was named by the Philippine Information Agency (PIA) as one of its Top 10 Women Achievers of 2018 during the 7th IDDU Honor Roles Award for Women held on July 11, 2018 at Hotel Carmelita, Tuguegarao City, Cagayan. According to PIA, Velasco was recognized for her passion in promoting local literature and vernacular writings in Nueva Vizcaya.
- **ADORNADO C. VERGARA-** Outstanding Agricultural & Biosystems Engineer by the Philippine Society of Agricultural Engineering/ April 22 – 28, 2018.
- **BELLA A. CORPUZ-** Outstanding Geodetic Engineer by the Geodetic Engineers of the Philippines, Inc./April 13-14, 2018.
- **DR. JONAR I. YAGO** was awarded 2018 GO Ocfemia Outstanding Plant Pathologist Award in Research by the Philippine Phytopathological Society last May 8-11, 2018 at The Mansion, Iloilo City.

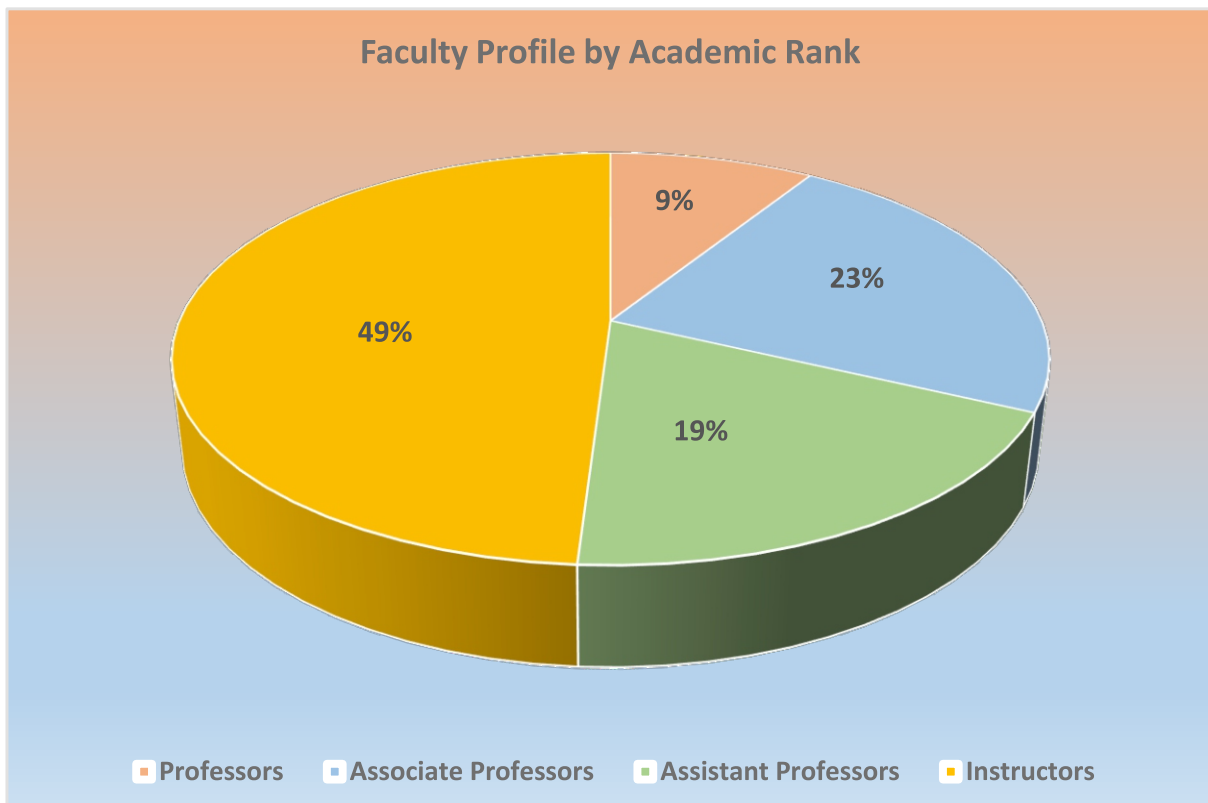


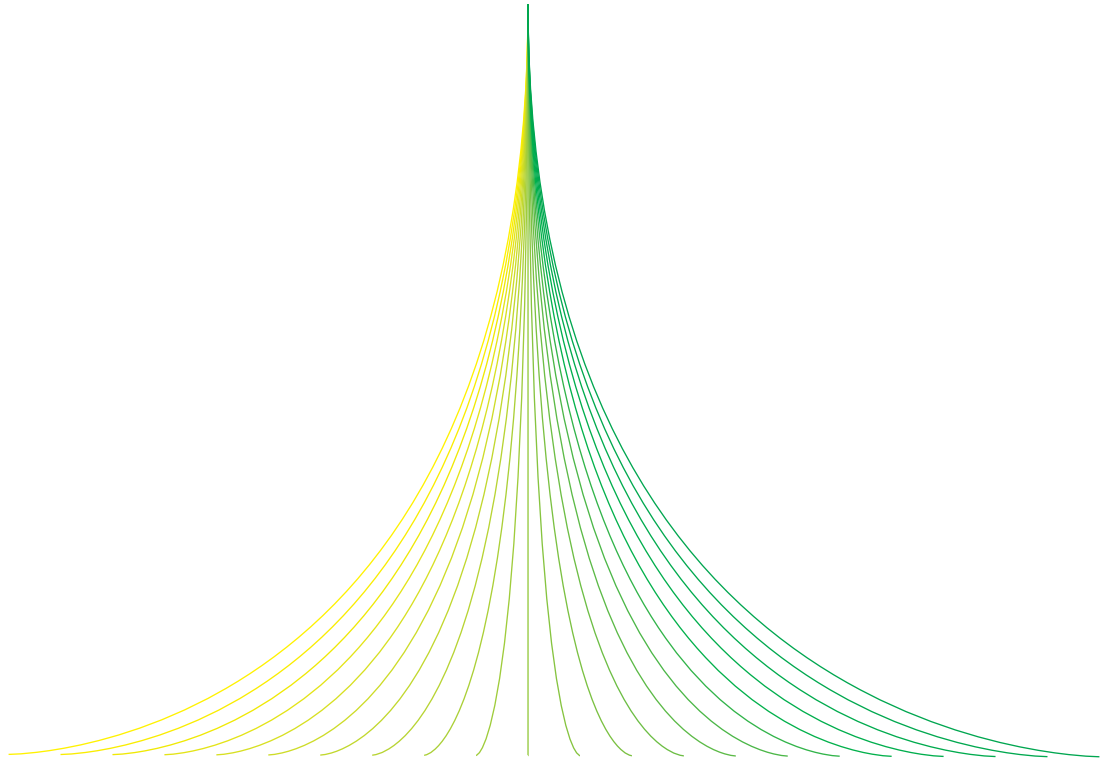
## Faculty Profile

As a result of the incessant manpower development program, the profile of the University's faculty was strengthened. Of the total **385** faculty members, the University is now composed of **50%** master's degree holders, **25%** doctoral and only **25%** are bachelors degree holders.

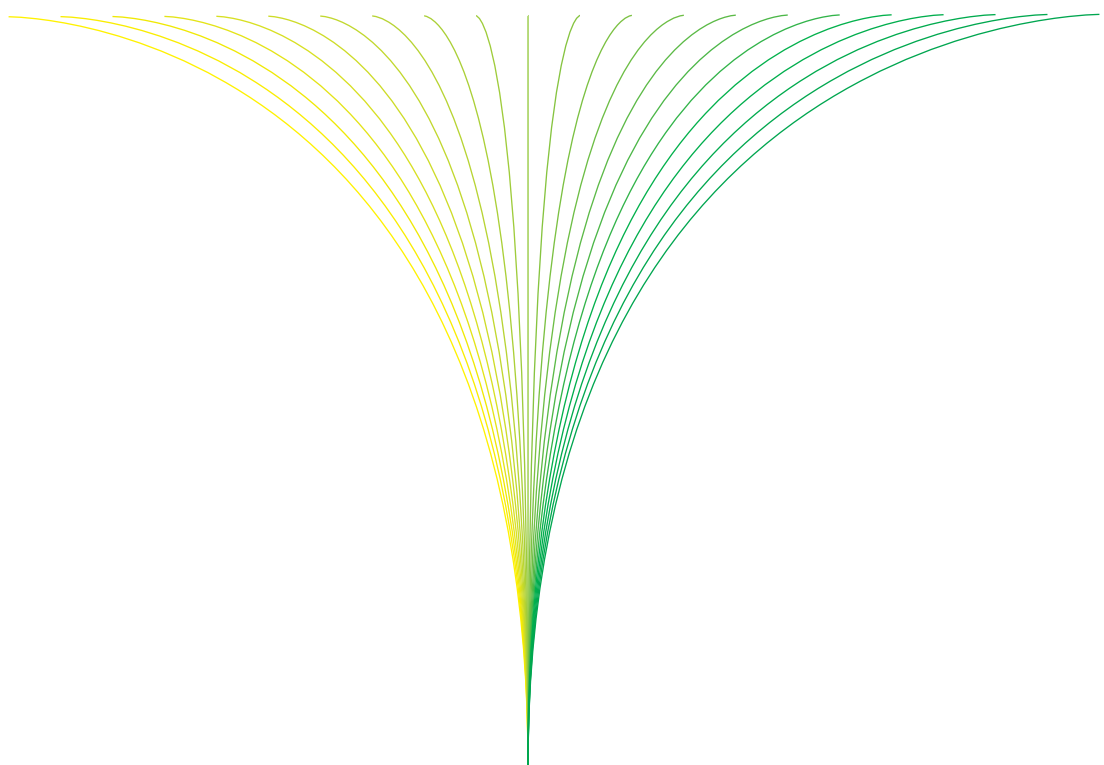


As to professional achievements, **9%** are professors, **23%** are associate professors, **19%** are assistant professors and **49%** are instructors.





# **RESEARCH & DEVELOPMENT AND, EXTENSION**



The Nueva Vizcaya State University's Research, Extension and Training Program executes its best performance and remains one of the frontrunners of the University as it continues to perform its commitment as a strong partner for community development in the local, regional and national fronts.

With the efforts of the program, the success of the program in the performance of the University's function was evident in the following milestones this 2018:

**(1) RESOURCE GENERATION AND LINKAGES FOR RDE PROJECTS**

18 externally funded programs and projects were approved for implementation this 2018, generating a total fund of Php 30,736,562.17. Among which are the development of a web-based trading system for NVAT, funded by the DOST Region 2, and the study of language and culture of Isinay and Gaddang communities, funded by the Komisyon sa Wikang Filipino. An P11M worth of project to develop a microfluidic paper-based analytical devices for the detection of Diarrhea-causing pathogens in water was also approved by the PCHRD.

**(2) IMPLEMENTED RESEARCH PROGRAMS AND PROJECTS**

A total of 26 on-going projects/studies and researches were maintained this 2018. These projects continuously contribute to the needs of its stakeholders and clientele as marked by the accomplishments of these projects.

Moreover, the different colleges in both campuses of the University also conducted various action researches. There were 48 completed researches and projects, most of which are action researches.

**(3) AWARDS AND RECOGNITIONS**

Several researchers were also recognized for their research outputs and contributions in international, national, regional and local level. Among which are best posters in various international symposia and outstanding accomplishments in various fields. In total, there were 3 international, 7 national, 2 regional and 12 local awards received this year.

**(4) PAPER/POSTER PRESENTATIONS**

The modest accomplishments and outputs of several RDE projects were presented in various international, national, regional and local fora this 2018. There were a total of 34 international, 9 national, 12 regional and 52 local papers presented.

University researchers also pursued their researches and presented these to their peers and external evaluators during the 15th University In-House Review of Completed, On-going and New Project Proposals last September 27-28, 2018. As a result, there were 26 on-going and 26 completed papers reviewed

**(5) LINKAGES AND COLLABORATION WITH OTHER AGENCIES**

This 2018, 33 MOA/MOU's were forged 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.

**(6) TRAININGS CONDUCTED TO CLIENTELE/STAKEHOLDERS**

The program maintained strong linkages with the community to continuously magnify its impact. With this, 3,204 recipients were extended with services and knowledge through the conducted trainings of Extension program and the different colleges of both campuses. These trainings are conducted for various livelihood projects, agricultural production, homemaking and/or industrial technology, and other capability building activities.

**(7) TECHNICAL EXPERTISE/SERVICE PROVIDED, OUTREACH ACTIVITIES**

The program's activities and undertakings are aimed at innovating the technical and entrepreneurial capabilities of its clientele. As part of the Extension program of the University, a total of 1,414 recipients were provided and extended with technical services from the faculty and staff of the different colleges and the Extension program of the University.

**(8) SEMINARS, WORKSHOPS, AND TRAININGS ATTENDED/ PARTICIPATED**

To improve RDE capabilities and competencies of the University researchers, RET personnel and faculty researchers attended 46 various workshops in international, national, regional and local level. Further, 1 RET personnel was also sent to a Degree Program for Research funded by CHED.

**(9) PUBLICATIONS**

The University remains committed in promoting the exceptional works and inventions of the researchers in the international and national scale as marked by the seven R and D outputs published in various international journals and five national journals.

**(10) PATENTS**

There were a total 27 technologies with issued patents certificates this year.

**(11) TECHNOLOGY FORUM AND EXHIBITS**

The program also showcased the NVSU products from several projects in various technology fora/exhibits.

**(12) OTHER RET HIGHLIGHTS**

One of the highlights of the program this year is the conduct of the CVAARRD Citrus FIESTA where different clients and stakeholders all over the country participated in promoting the citrus technology. This activity was organized by the CVAARRD and was hosted and spearheaded by the NVSU and was funded by the DOST-PCAARRD.

**PHP26 Million, 13 Projects for Resource Generation**



DOST 2 Regional Director Sancho Mabborang, President Andres Z. Taguiam, Dr. Wilfredo A. Dumale, Jr., VP for RET and researchers during the awarding of checks of two (2) DOST R02 approved funded projects generating Php1.5M

**I. RESOURCE GENERATION**

The research reputation of NVSU is increasing through the years. The University continues to forge linkages and collaborations with different local, regional and national agencies for provision of resources, collaborative research, training, etc. This 2018, 18 externally funded programs and projects were approved for implementation, generating a total fund of Php 30,736,562.17.

TITLE OF PROJECT	FUNDING AGENCY	AMOUNT	PROPONENTS	COLLEGE
Integrated Pest Management and Entrepreneurship Capacity Building: A Synergistic Approach to Sustainable Rural Development	HEDF/CHED	P 1,000,000.00	Elbert A. Sana, Professor II	College of Agriculture
Pagadalan ti Barangay: A Unified Open College Towards an Interdisciplinary Approach to Research and Extension Continuum	Agriculture Training Institute-RTC 2	P 450,000.00	Blesila R. Ramos, Associate Prof V Edwin P. Ramos, Professor VI	College of Agriculture College of Engineering
Supply Chain Improvement of Soybean in Northern Philippines (Phase I: Evaluation Research)	DOST-PCAARRD	P 1,275,263.00	Gayon P. Sarmiento, Associate Professor IV	College of Business and Economic
1. Multi-location adaptation trial for irrigated lowland inbred entries (CT-MAT); and 2. National Cooperative Test for Cool Elevated Areas (NCT-CE)	PhilRice	P 430,000.00	Elbert A. Sana, Professor II	College of Agriculture
Efficacy Evaluation of Biopesticides Derived from Entomopathogenic Fungi (EPF) Against Rind Borer and Twig Blight Disease (TBD) of Citrus	DOST-PCAARRD	P 4,993,912.4	Jonar I. Yago, Professor VI	College of Agriculture
Reinforcing NVSU Product Development and Innovation Center	DOST-GIA (DOST R02)	P 1,000,000.00	Andres Z. Taguiam, President Wilfredo A. Dumale, Jr., Professor VI Jonar I. Yago, Professor VI Elbert A. Sana, Professor II Gina Leah A. Dizon, SRS II Sheena Lyn V. Ramos, SRS I	University President College of Agriculture R&D R&D
Project: Enhancing the Intellectual Property and Technology Business Management (IP-TBM) Operations of the Nueva Vizcaya State University	DOST-PCAARRD	P 1,926,184.00	Blesila Ramos, Associate Professor V Josue A. Chua, Instructor III	College of Agriculture College of Business Education
Conduct of the 2018 Farmers Satisfaction Survey	NIA	P 113, 736. 15	Jessie Pascual P. Bitog, Assoc Prof V	College of Engineering

TITLE OF PROJECT	FUNDING AGENCY	AMOUNT	PROPONENTS	COLLEGE
Vermicomposting facility	DA-RF02	P 479, 625.45	Manolo T. Valdez, Professor II Aldwin D. Pablo, Assoc Prof III	College of Agriculture
Greenhouse for Organic Vegetable Seedlings Production	DA-RF02	P 384,068.17	Manolo T. Valdez, Professor II	College of Agriculture
Upgrading the NVSU Food Product Development, Processing, Technology Business Incubation and Training Center	DTI	P 3,000,000.00	Perlita C. Tiburcio, Professor V  Andres Z. Taguiam, President	College of Human Ecology  President
Assessing the Governance Performance of Villaverde LGU: Using the Citizen Satisfaction Index System	DILG	P 200,000.00	Cristina R. Salvosa, Assoc Prof V Dolores B. Galvez, Instructor III Josue A. Chua, Instructor III Mary Hazel Joy C. Ugot, Instructor I Mercy Pumihic, Instructor I	College of Business Education
Project: Development of microfluidic paper-based analytical devices ( $\mu$ PADs) for the detection of Diarrhea-causing pathogens in water	PCHRD	P 11,228,600.00	Lori Shayne A. Busa, Asst. Prof. 2	College of Arts and Sciences

## II. IMPELEMENTED RESEARCH PROGRAMS AND PROJECTS

### 1. COMPLETED PROJECTS

#### a. Updates on Completed Projects

Integral Capacity Building to Integral Capacity Works for Participatory and Entrepreneurial Local Governance: The Case of Solano, Nueva Vizcaya.

- Development of new products with existing sources of raw materials in the province specifically, Filipino style kimchi, sugar coated peanuts, pineapple-based products and processed chicken meat.
- Product improvement of the existing products manufactured by the members of the Solano Women's Club specifically product design, labels, packaging and most importantly, taste and basic good manufacturing practices.
- Business assistance and coaching of the different barangay chapter officials and members/ entrepreneurs to prepare project proposals and business plans of their respective products.





- Construction of a BFAD compliant Food Processing Center at the 2nd floor of the Pasalubong Center (Shared Service Facility).
- Continuing partnership of the NVSU-College of Business Education with the Provincial Department of Trade and Industry and Department of Science and Technology in Nueva Vizcaya to provide technical and financial assistance to qualified clientele.
- Linkages with other stakeholders for assistance and services: Barangay Lactawan, Solano, Nueva Vizcaya, Samahang Magsasaka ng Wacal of Barangay Wacal, Solano, Nueva Vizcaya and Bureau of Jail and Management Penology Solano, Nueva Vizcaya.
- Enhancing Entrepreneurial Capacity of Solano Women's Club-Lactawan Chapter

The functional linkage between NVSU and the LGU of Barangay Lactawan through a MOA resulted to:

- WEED Project: (Women Empowerment through Enterprise Development Project)
- Identification of Mushroom production as a priority business for the Solano Womens Club of Barangay Lactawan;
- Capacitated 164 women on financial literacy and development;
- 2,965 fruiting bags were produced which yielded 1,186 kilos of mushroom resulting to a gross sales of Php 118,600.00 and Php 83,020.00 net income
- 2 households ventured into Mushroom production resulting to a combined net income of Php 127,000.00
- Php 20,000.00 financial assistance awarded by the LGU of Solano. •
- E-PROG V.2 Project: (Project Eco-Pot for Rural Urban Organic Gardening)
- 20 members of the SWC were trained in the production of eco-pots version 2.0
- 800 pieces eco-pots with herbal plants were produced and sold bringing about Php 49,650.00 net income
- 185 kg of used tarpaulins were transformed to eco-pots



Community Empowerment through Science and Technology.

- Component 1. Water and Sanitation
- A total of 231 units of ceramic water filter were distributed to all households of Barangay Cannabuan.
- Component 2. Livelihood/Economic Enterprise Development

### A. Kayapa Loomweavers Association

- Four units of industrial sewing machines were provided.
- The loom weavers were also capacitated in basic sewing.
- Their products were enhanced through the inclusion of embroidery works.
- The loom weavers were able to produce garments, bags, and other products from their textiles. The demand for the products increased and so was their production.
- Total sales reached PhP 347,000.00 (51.67% sales increase) PhP 559,000.00 (144.32% increase), and PhP 1,310,500.00 (473.77% increase) in the years 2015, 2016, and 2017 respectively.



### B. Kayapa Cutflowers

- The project established and constructed a nursery for the propagation of mother plants of carnation, aster, chrysanthemum, roses and anthurium.
- Purchased disease-free mother plants of the different cutflower varieties.
- Refresher training on cutflower production was also conducted.
- The use of disease free mother plants and the nursery increased production and income for a 500m<sup>2</sup> area : Net income: 2014- PhP 300,000.00, 2015- PhP 307,500.00, 2016- PhP 326,000.00, PhP 320,500.00.



- Effects of Irradiated Carrageenan in the Production, Hematologic and Immunologic Parameters of Commercial Broilers
- 10% to 15% of gamma irradiated carrageenan extract supplemented to broilers can significantly improve the growth performance of broilers, improve carcass quality, produce protective levels of IgG in NCD vaccinated broilers and has no negative impact on hematologic parameters of broilers.
- Protective IgG is produced in GICE supplemented broilers at the initial dose of ND vaccine and maintained protective levels until the end of the trial day 42.
- Mortality was significantly lesser in broilers supplemented with GICE compared with no GICE supplementation.



- Information System and Communication Network of Corn Growers in Nueva Vizcaya
  - The personal information sources particularly family members, relatives, friends and co-corn growers are the major sources of information of corn growers in Nueva Vizcaya.
  - Information generated from the personal, public and mass media information sources are useful and utilized in corn farming in the area.
  - Information exchange in corn growing is manifested among the farmers themselves, therefore information system is exhibited in the personal network of the corn farmers.
  - The communication network such as connectedness and reciprocity is high among corn farmers indicating strong connectivity and reciprocal relationships between and among them.

**b. List of Completed Projects**

48 researches, projects and studies were successfully implemented by the faculty researchers of the different colleges and RET personnel of both campuses. These are as follow:

#	TITLE	PROPONENT/S
1	Preliminary Assessment of Physico -Chemical and Biological Related Attributes of Lanog River in Villaverde, Nueva Vizcaya	Marlon U. Saldares
2	Effects of Irradiated Carrageenan in Production, Hematologic and Immunologic Parameters of Commercial Broilers	Rafael Luis F. Morillo* and Vernadyn A. Morillo
3	Professional Aptitude and Readiness for Tour Guides for Ecotourism in North -Estern Luzon, Philippines	Marcelino T. Razalan and Mark Allen A. Razalan*
4	The Acceptability of Multi-Demonstration Panel for Motor Controller	Dominador C. Bacani
5	Propagating Tumok and Saba through Whole Corn Technique: A Viable Method for Nursery Level Plantlet Production	Elbert A. Sana*, Felinda B. Tillama, and Allen D. Ollani
6	CCR4DCV Project 1: Value Chain Analysis of Calamansi in Cagayan Valley	Gayon P. Sarmiento*, and Alice Hanggoy
7	Conservation Improvement and Profitable Utilization of the Philippine Native Pigs Project 2: Local Resource-Based Free Range Production Mangement Protocols and Systems for Breeder and Slaughter Native Pigs	Dorothy P. Pagbilao, Rembert G. Gapad* and Joel Kayvin S. Petipit
8	Information System and Communication Network of Corn Growers in Nueva Vizcaya	Cecilia H. Delos Trinos*, Fredisminda A. Dolojan, and Lahaina Sue Azanon
9	Kangkong ( <i>Ipomoea aquatica</i> ) as Part of the Substrates for African Night Crawler ( <i>Eudrilus eugeniae</i> )	Yolina T. Castañeto*, Elmer T. Castañeto, and Melieflor L. Tuazon
10	Integral Capacity Building to Integral Capacity Works for Participatory and Entrepreneurial Local Governance: The Case of Solano, Nueva Vizcaya	Cristina R. Salvosa, Dolores B. Galvez, Josue A. Chua*, and Cherrie Prella C. de Guzman
11	Enhancing Entrepreneurial Capacity of Solano Women's Club-Lactawan Chapter	Cristina R. Salvosa, Rachel Hope R. Tionson*, Josue A. Chua, and Cherrie Prella C. de Guzman
12	Community Empowerment through Science and Technology	Maribel S. Bacena*, and Roel M. Suriaga
13	Capacitating Communities on Mushroom Production	Maribel S. Bacena*, Imelda V. Iglesias, Flora Joy B. Garcia, Roel M. Suriaga, and Esmeraldo T. Razalan

#	TITLE	PROPONENT/S
14	Sangguniang Kabataan Mandatory Training (SKMT) Implementation I Nueva Vizcaya	Elmer T. Castañeto, Josue A. Chua, Rogelio P. Pascua*, Lorena P. Laguardia, Jovien L. Ansibey, and Cherrie Prella C. de Guzman
15	Learning Approaches and Strategies, Course Influence, Grift, and Academic Drive as Regressors and Determinants of Pre Service Teachers' Performance in General and Professional Education Mock Licensure Examinations	Reymund C. Derilo
16	Training Needs of Stakeholders in Aritao National High School: Creating Extension Roadmap for Secondary Teacher Education Department of Nueva Vizcaya State University-Bambang	Laila G. Hernandez*, Jenifer Raymond R. Tallungan, and Elma P. Apostol
17	Professional Constructs Correlated with Registry of Qaulified Applicants (RQA) Assessment: A Mathematecal Model	Jenifer Raymond R. Tallungan, Shiela Amor S. Olonan*, Araceli V. Domagas, and Marvin G. Dalego
18	Interest in Research, Research Self-Efficacy, Training Environment and Research Skills of Action Research Students: Towards the Enhancement of Relevant, Responsive and Quality Teacher Education Researchers	Jennylin B. Carreon, Reymound C. Derillo, Margarette G. Laguerta, and Hanna Gay D. Mejia*
19	Vission, Mission, Goals and Objectives (VGMO) of Nueva Vizcaya State University in the Lenses of its Stakeholders	Vaisarah Jane G. Martinez*, Jennifer Raymond R. Tallungan, Wilhelmina C. Bullecer
20	Revisiting the Nueva Vizcaya State University Academic Library: A Basisfor Improvement Plan	Demetria A. Corpuz*, Bonimar A. Tominez, Emmaruth F. Fernandez, and Jonathan P. Passion
21	Literacy Needs Assessment of Stakeholders in Lamo and Magsaysay Hill: Basis for Extension Framework	Jenifer Raymond R. Tallungan, Remedios L. Fragata, Maria Corazon Francia S. Hongo*, and Wilhelmina C. Bullecer
22	Classroom Management Approaches and Teaching Effectiveness of Teacher Education Faculty	Bonimar A. Tominez*, Fitzgerald L. Fabelico, Demetria A. Corpuz, Sanny J. Dangis, and Gail G. Gumilet
23	Comparative Structural Analysis of News Heads and Leads Using Systemic Functional Linguistics (SFL)	Jenifer Raymond R. Tallungan*, and Eva Liza D. Basconillo
24	Mga Katutubong Pananaliksik: Mga Usapin, Hamon at Posibleng Daluyan ng Polisiya	Mild R. Hombrebueno*, and Loreta Vivian R. Galima
25	Sociocultural Paradigms in the Works of 21st Century Iloko Writers of Southern Nueva Vizcaya	Jenifer Raymond R. Tallungan*, Girlie F. Salas, and Andres Z. Taguiam
26	Punong Barangays in the Province of Nueva Vizcaya: Their Leadership Behavior and Competencies	Arcadia Alice T. ordonez
27	Documentation of Philippine Traditional Knowledge and Practices on Health and Development of Traditional Knowledge Digital Library on Health: The I'wak of Nueva Vizcaya	Yolina T. Castañeto, Noel C. Cardona, Jr., Alvin B. Felix*, and Lorna V. Dumale
28	Enterprise Development through Promotion and Utilization of Citrus Wine and other By-Products in Nueva Vizcaya	Perlita C. Tiburcio, Lourdes T. Capua and Elbert A. Sana

#	TITLE	PROPONENT/S
29	Design and Fabrication of a Mechanical Fruit Grader	Angelito D. Agrimor, Jyrus Jyles D. Cadiente, Glaizalyn B. Batara, Eddie Tampoya and Jessie Pascual P. Bitog
30	Assessment Practices in Paper-and-Pencil Tests Among Faculty Members of Nueva Vizcaya State University	Juanita B. Pascua, Jane D. Navalta, Noreen L. Laborte and Revilyn M. Gahate
31	Pagadalan ti Mannelon: A DA-SUC-LGU 'Steering and Rowing Approach' in Establishing Learnings Sites for Farmers in Nueva Vizcaya	Imelda V. Iglesias*, Flora Joy B. Garcia, Maribel S. Bacena, Roel M. Suriaga, Esmeraldo T. Razalan, Marigel J. Guzman, Carlito D. Jorge, Jr., Blesila R. Ramos, Manolo T. Valdez, Joaquin B. Cera, and Andres Z. Taguiam
32	Assessing the Governance Performance of Villaverde LGU: Using the Citizen Satisfaction Index System	Cristina R. Salvosa, Dolores B. Galvez, Josue A. Chua*, Mary Hazel Joy C. Ugot, and Mercy Pumihic
33	Lived Experiences of Men and Women Contractual Employees: A Hermeneutic Phenomenological Analysis	Lived Experiences of Men and Women Contractual Employees: A Hermeneutic Phenomenological Analysis
34	Mga Inang Kolehiyala: Life stories of Young Mothers in NVSU	Lorna L. Oligo, and Maria Rouselle G. Jandoc*
35	Gender Responsiveness of Guidance Counselling Centers Phase I	Maria Rouselle G. Jandoc*, and Lorna L. Oligo
36	Reinvigorating the Ginger Industry: Multi-Location and Adoption Trial of Ginger Rhizome Rot Package of Technology (POT) and Development of Ginger Based-Food Products	Andres Z. Taguiam, Wilfredo A. Dumale, Jr. and Jo-Ann Hesel B. Bamba
37	Commercialization of Shiitake Production and Product Development Technology in Nueva Vizcaya	Maribel S. Bacena, Flora Joy B. Garcia*, Roel M. Suriaga, Seialyn D. Cacal, and Eric Son R. dela Cruz
38	Procurement of Services of a Consultant/Professional in the Conduct of Rapid Biodiversity Assessment (RBA) and Survey and Registration of Protected Area Occupants (SRPAO)	Elmer T. Castañeto, Arvin P. Vallesteros, Rogelio P. Pascua, Lorena P. Laguardia and Marlon U. Saldares
39	Efficiency Analysis and Economic Evaluation of the Water Distribution System of the Nueva Vizcaya State University - Bayombong Campus	Angelito D. Agrimor
40	Development and Evaluation of Rainfall Intensity-duration Frequency Curves for NVSU-PAGASA, Bayombong, Nueva Vizcaya	Adornado C. Vergara
41	Rapid Market Appraisal of Selected Agrarian Refrom Communities (ARCs) Cluster in Nueva Vizcaya	Cristina R. Salvosa Rachel Hope R. Tiongson Daren Erana
42	CSIS of Villaverde, Nueva Vizcaya	Cristina R. Salvosa Chua, Josue A., Galvez, Dolores B. Pumihic Mercy

#	TITLE	PROPONENT/S
43	Employment Performance of Teacher Education Graduates in the Department of Education (DepEd)	Sanny J. Dangis; Gail G. Gumilet; Demetria A. Corpuz; Orville D. Hombrebueno
44	Time Management and Review and Study Habits of NVSU LET Topnotchers: A Case Study	Demetria A. Corpuz; Bonimar A. Tominez; Michael Francis C. Garma; Bryan B. Gabation; Revilyn M. Gahate
45	Human Relations and Teaching Effectiveness of NVSU Faculty Members	Bonimar A. Tominez; Demetria A. Corpuz; Elenita C. Sanchez; Roman Angelo M. Imperial; Krizzle May U. Laguit;
46	Supportive Learning Environments and Academic Performance of Senior High School Students of Nueva Vizcaya State University	Jonathan P. Pasion; Meylanie S. Moreno
47	Teaching Performance of faculty Members, SY2015 - 2017: Basis for Policy -Making	Josefina S. Sana (Research Leader); Jane D. Navalta; Juanita B. Pascua; Cherry Ann P. Navalta; Jay-ar A. Castriciones; Jacquelyn V. Iglesias; Vilchor G. Perdido
48	Assessment Tools for Learning at Nueva Vizcaya State University	Juanita B. Pascua (Research Leader); Jane D. Navalta; Revelyn Gahate

## 2. ON-GOING PROJECTS

### a. Updates on On-going Projects

- Citrus Resources Research for Development in Cagayan Valley (CRRDCV)
  - Project 1. Value Chain Analysis of Citrus in Cagayan Valley
  - Project 2. Gene Bank and Database Profile of Citrus Genetic Resources
  - Project 3. Establishment of Quality Planting Materials Production System for Citrus in Nueva Vizcaya
  - Project 4. Development of Pest and Disease Management Systems for Sustainable Citrus Production in Cagayan Valley
  - Project 5. Development and Verification of Soil and Water Strategies for Citrus
- Complete Value Chain Analysis (VCA) for Calamansi
- 46 characterized accessions (74 collections, 455 budded plants and seedlings from sources indexed for HLB and CTV)
- Two cycles of techno-showcase with recorded yield increase of over 25-30%
- One year pest and disease abundance data; one biocon fungus for in-vivo testing against aphids and psyllids



- AWS installation and one cycle of fertilizer and drip irrigation trials
- Supply Chain Improvement of Soybean in Northern Philippines (Phase 1: Evaluation Research)
  - Write up of the current soybean industry situation in the study area
  - Collection and analysis of secondary data
  - Development of research/survey instrument with the cooperating agencies; which was held in UP Mindanao, Davao City
  - Conduct of survey in Region 02
  - Green Energy Driven Water System For Increased Agricultural Productivity And Rural Incomes
  - Accomplishments in ram pump-based integrated production farms
  - Preliminary survey and benchmarking of possible site in Besong, Kayapa, Nueva Vizcaya
  - Community Organizing: The Barangay Officials of Besong, Kayapa, Nueva Vizcaya conducted meeting with the farmers
  - Installation of ram pump water systems:
    - Two ram pumps connected in series with screen enclosure were installed
    - The four (4) 2000-liters capacity water tank that serves as reservoir and being filled by the ram pump from an elevation of 200 meters were installed
    - Production area prepared and drip irrigation system installed
    - Goat housing constructed•
  - Accomplishments in biogas driven-pump-based integrated production farms
  - Two (2) production farms demonstrate integrated farming system were established. Each of these production have a minimum area of one (1) hectare. The components of the integrated farms are combination of any of the following; aromatic rice, high value crops, tilapia, goat and swine.
  - Preliminary survey and benchmarking of possible site was conducted.
  - Community Organizing: Meeting with the farmers explaining the project concept was done.
  - Fish pond excavation was done.
  - Piggery for 30-heads grower-finisher pig was constructed.
  - Biodigester for treating the manure and biogas production was constructed.
  - Centrifugal pump run by biogas driven engine for irrigation was constructed.
  - Gas lines and biogas fuelled stove was installed.
  - Harrowing of the vegetable production area using a four-wheeled tractor was done.
  - Water tank and water lines of the drip irrigation system were installed.
  - The fish pond using the biogas-driven water pump was irrigated.
- Reinvigorating the Ginger Industry: Multi-Location Adaptation Trial of Ginger Rhizomes Rot Package of Technology (POT) and Development of Ginger-Based Food Product
  - Networking and linkaging with the four LGUs of Kasibu, Dupax del Norte, Aritao and Sta Fe.
  - Identification of field adaptation sites and orientation of farmer/cluster co-operator on the conduct of adaptation trials.
  - Calculation of the lime requirement of the soil samples from partner LGU's for adaptation trials.
  - Distribution of planting materials, agricultural lime and carbonized rice hull with partner LGU's
  - Field visiting, monitoring and documentation of the field trial sites
  - Capacity-building for ginger-growing households on the following areas:
    - ✓ Soil sampling and preparation
    - ✓ Soil pH and liming requirement determination and application:
    - ✓ Carbonized rice hull (CRH) making
  - Processing of different treatments of ginger candy and evaluated for sensory evaluation.
- Beterinaryo sa Baryo Extension Program
  - 2017-2018, BSB was able to serve 14 barangays in 6 municipalities.
  - 2250 heads of dogs and 57 heads of cast vaccinated with anti-rabies

- 1156 number of clients served
- 271 pupils provided lecture on Rabies Awareness and Responsible Pet Ownership
- 2 barangays in 2 municipalities were served with veterinary services
- Hemorrhagic Septicemia vaccination was provided to 46 large animals owned by 33 livestock raisers
- Deworming was undertaken to 35 large animals owned by 28 livestock raisers
- Seminar on Fascioliasis and other Common Ruminant Diseases was undertaken in the 5 provinces of Region 2 with 521 participants
- Basic Dog Obedience Seminar and Training was provided to 112 participants composing both of students and pet owners

- Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity

- From 1999 to present, 69 NVSU Model Anaerobic Digester have been adopted in swine production as energy recovery and waste treatment facility:
  - ✓ Nueva Vizcaya : 52
  - ✓ Isabela : 3
  - ✓ Quirino: 1
  - ✓ CAR: 5
  - ✓ Ilocos Region: 7
  - ✓ Batangas: 1



- Three biogas anaerobic digester in the province of Nueva Vizcaya were established.
- Two units of 2.25m<sup>3</sup> anaerobic digester were established , first was installed at Sardan Piggery Farm, Curifang, Solano, Nueva Vizcaya and the second unit was installed at Gutierrez Piggery farm, Aggub, Solano, Nueva Vizcaya.
- 20m<sup>3</sup> anaerobic digester was installed at Quines Piggery Farm, Inaban, Dupax Del Norte, Nueva Vizcaya.
- One on-going project, establishment of 60m<sup>3</sup> NVSU model anaerobic digester at Lapreza Farm, Saguday, Quirino owned by Mr. Delfin A. Pagbilao Jr.



- Commercialization of Shiitake Production and Product Development Technology in Nueva Vizcaya

- NVSU Commercial Shiitake Spawn Production
  - ✓ Improvement of the mushroom laboratory through the purchase of new equipment to upscale shiitake spawn production.
  - ✓ A total of 1000 bottles of shiitake spawn were produced and were distributed to the farmer cooperators for planting in the alnus logs
- Community-Based Shiitake Production and Entrepreneurship
  - ✓ 10 farmer cooperators has established





- 300 logs each
- ✓ Provision of min-max thermometer and pH meter for the monitoring of air and water temperature
- Product and By-Product Development and Commercialization



- Pagadalan ti Mannelon: A DA-SUC- LGU 'Steering and Rowing Approach' in Establishing Learning Sites for Farmer in Nueva Vizcaya
  - Established a cacao production learning site at Magsaysay, Bayombong, Nueva Vizcaya
  - Established an integrated farming learning site at Duruarog, Diadi, Aurora, Quezon, Baliling, Santa Fe and Sta Lucia, Bagabag, Nueva Vizcaya
  - Established an organic farming learning site at Balangabang, Kayapa and Pudi, Kasibu, Nueva Vizcaya
  - Established an oyster mushroom production learning site at Ineangan, Dupax del Norte
  - Established a rice production and rice machinery operation learning site at Aggub, Solano and Malasin, Dupax del Norte, Nueva Vizcaya
  - Conducted 30 trainings
  - Trained 565 clients
  - Conducted five field days
  - Conducted expository tours to successful cacao farm and organic farms and markets

- Lingguwistikong Etnograpiya ng Filipinas sa Wikang Isinay

- Processed Free Prior and Informed Consent
- Conducted fieldwork at the Isinay Communities: Aritao, Bambang, Dupax del Sur, Nueva Vizcaya
- Submitted initial manuscript



- Philippines Isolates of EMF as Potential Source of Microbial Agents Against Citrus Rind Borer and Twig Blight Disease

- Different species of entomopathogenic Fungi were isolated from insects with signs of mycosis. Most of these insects belong to order Homoptera which include aphids, plant hoppers, and arachnids. These EPF belong to the genera of Beauveria, Fusarium, Isaria, and Pestalotiopsis.



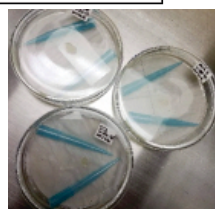
Collection



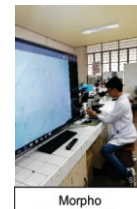
Isolation



Purification



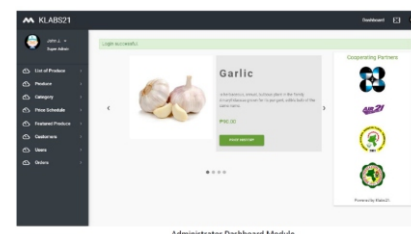
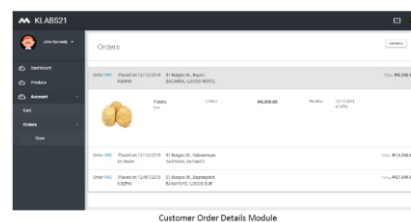
Agar Block



Morpho characterization

- KLABS21: A Web-based Trading System of Fruits & Vegetables

- System and user requirements were identified.
- The three (3) major components for the development of KLABS21 were identified.
  1. Administrator Dashboard
  2. Customer Dashboard
  3. AIR21 Dashboard
- Data models and Entity Relationship Diagram were designed.
- The initial physical database of KLABS21 was designed and created.
- The different sub-modules of the Administrator Dashboard were identified and designed.
- The modules of the Administrator dashboard component are created and ready for testing.
- The Administrator Dashboard component was tested.
- The Administrator dashboard component are functional and free from bugs or errors.
- Fully functional KLABS21: A Web-based Trading System of Fruits and Vegetables (25%)



### b. List of On-Going Projects

There are a total of 26 on-going researches being implemented this 2018.

#	TITLE	PROPONENT/S
1.	Development and Performance Evaluation of a Portable Essential Oil Extractor	Frankie S. Ramos and Fitzgerald L. Fabelico*
2.	Development of KLABS21: A Web -Based Trading System of Fruit and Vegetables	Percival B. Labog*, Ian Kim P. Seligbon, and Ryan Victor D. Bautista
3.	Assessing the Governance Performance of Villaverde LGU: Using the Citizen Satisfaction Index System	Cristina R. Salvosa, Dolores B. Galvez, Josue A. Chua*, Mary Hazel Joy C. Ugot, and Mercy C. Pumihic
4.	CRR4DCV Project 2: Gene Bank and Database Profile of Citrus Genetic Resources	Ma. Cecilia I. Salas, Aldwin D. Pablo, Vilchor Perdido, Trechelle Joy M. Soliven*, John Mark R. Sison, and Roy Allen E. Guillermo
5.	CRR4DCV Project 5: 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
6.	Supply Chain Improvement of Soybean in Northern Philippines (Phase 1: Evaluation Research)	Gayon P. Sarmiento, Roel M. Suriaga and Aleksis P. Sarmiento*
7.	Surveillance of Fasciolosis in Carabao, Cattle, and Goats in Cagayan Valley Region	Liberty G. Torres, Haidee E. Torio, and Mark John S. Beltran*
8.	Philippine Isolates of Entomopathogenic Fungi as Potential Source of Microbial Agents Against Citrus Rind Borer (CRB) and Twig Blight Disease (TBD) of Citrus	Jonar I. Yago, Lori Shayne A. Busa, Melvin R. Cuban*, Jo -Eliz M. Gonzales, Samboy G. Gilo and Alvin V. Galamay
9.	Kangkong ( <i>Ipomoea aquatica</i> ) as Part of the Substrates for African Night Crawler ( <i>Eudrilus eugeniae</i> )	Yolina T. Castañeto*, Elmer T. Castañeto, and Melieflor L. Tuazon
10.	Green Energy Driven Water System for Increased Agricultural Productivity and Rural Incomes	Adornado C. Vergara

#	TITLE	PROPONENT/S
11.	Reinvigorating the Ginger Industry: Multi-Location Adaptation Trial of Ginger Rhizomes Rot Package of Technology (POT) and Development of Ginger-Based Food Product	Andres Z. Taguiam, Wilfredo A. Dumale, Jr., and Jo-Ann Hesel B. Bamba
12.	Enhancing the Intellectual Property and Technology Business Management (IPM-TBM) Operations of the Nueva Vizcaya State University (NVSU)	Blesila R. Ramos, Josue A. Chua, and Jeremy V. Dasalla
13.	Propagation of Superior Mango Varieties for Poverty Alleviation of Farmers in Region 02	Reynald A. delos Trinos*, Esmeraldo T. Razalan, and Carlito D. Jorge, Jr.
14.	Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity	Sony P. Aquino*, June C. Quipo, Jayson K. Maleek, and Adornado C. Vergara
15.	Beterinaryo sa Baryo Extension Program	Liberty G. Torres, Dorothy P. Pagbilao, Ruben P. Soriano, Rafael Luis F. Morillo, Vernadyn A. Morillo, Haidee E. Torio, Jun-jun C. Pabilin, Jessica M. Cadoy, Kayvin Joel S. Petitpit, Rembert John G. Gapad, Melvin O. Allama*, and Joseph Val B. Estalilla
16.	Pagadalan ti Mannalon: A DA-SUC-LGU 'Steering and Rowing Approach' in Establishing Learnings Sites for Farmers in Nueva Vizcaya	Imelda V. Iglesias*, Flora Joy B. Garcia, Maribel S. Bacena, Roel M. Suriaga, Esmeraldo T. Razalan, Marigel J. Guzman, Carlito D. Jorge, Jr., Manolo T. Valdez, Joaquin B. Cera, and Andres Z. Taguiam
17.	Pagadalan iti Barangay: A Unified Open College towards an Interdisciplinary Learning Sites for Farmers in Nueva Vizcaya	Blesila R. Ramos
18.	Commercialization of Shiitake Production and Product Development Technology in Nueva Vizcaya	Maribel S. Bacena, Flora Joy B. Garcia*, Roel M. Suriaga, Senialyn D. Cacal, and Eric Son R. dela Cruz
19.	NVSU Product Development and Innovation Center	Andres Z. Taguiam*, Wilfredo A. Dumale, Jr., Jonar I. Yago, and Gina Leah A. Dizon
20.	The Outlook of College Business and Economics Alumni: A Tracer Study	Cherry C. Lacaden

### III. AWARDS AND RECOGNITION

Several researchers were recognized for their outstanding research outputs and contributions in the international, national, regional and local level. Three research outputs won as best posters in various international symposia. Various faculty researchers were also awarded for their outstanding accomplishments in their respective fields:

Dr. Lori Shane as 3rd Placer for the 2018 NAST Talent Search for Young Scientists;

Dr. Jonar I. Yago as the 2018 Go Ocfemia Outstanding Plant Pathologist Award in Research;

Engr. Adornado C. Vergara as the Outstanding Agricultural & Biosystems Engineer; and

Engr. Bella A. Corpuz as Outstanding Geodetic Engineer in the Academe.

Dr. Lovella G. Velasco as one among the Top 10 Women Achievers of 2018 during the 7<sup>th</sup> IDDU Honor Roles Award for Women.



The NVSU once again stamped an exemplary stint in the regional arena as Dr. Rafael Luis F. Morillo won 1st place as Best Paper in the Research Category and 1st place as Best Poster during the 29th CVAARRD Regional Symposium in RDE highlights. Faculty researcher, Dr. Romulfo C. Sanchez once again showcased the exceptional inventions of the university as he won 2nd Place in the Industrial Design during the 2018 National Invention Contest and Exhibits (NICE).

In total, there were 3 international, 7 national, 2 regional and 12 local awards received this year.

TITLE OF AWARD	RECIPIENT/ AGENCY	SPONSOR	OCCASION	PLACE / DATE AWARDED
<b>INTERNATIONAL</b>				
3 <sup>rd</sup> Place, Best Poster <i>Breaking the Silence of an Endemic Treasure of Nueva Vizcaya: The Phytochemical, Antioxidant, Cytotoxic, and Antimicrobial Properties of Dagwey</i>	Fitzgerald I. Fabelico	CLSU	E3-Start International Academic R&D Festival	CLSU, Muñoz, Nueva Ecija September 5-7, 2018
3 <sup>rd</sup> Place, Best Poster <i>Interpolation Techniques for Mapping Soil Properties Using Point Data</i>	Shierel F. Vallesteros, Arvin P. Vallesteros, et. al	FORESPI	14 <sup>th</sup> International Conference on Biodiversity in a Changing Climate and Landscape	College of Forestry and Natural Resources, UP Los Baños November 8, 2018
2 <sup>nd</sup> Place, Best Poster <i>Carbon Stock of Green Spaces in Central Schools of Santiago City, Isabela, Philippines</i>	Yolina T. Catañeto, Mario F. Domance	FORESPI	14 <sup>th</sup> International Conference on Biodiversity in a Changing Climate and Landscape	College of Forestry and Natural Resources, UP Los Baños November 8, 2018

TITLE OF AWARD	RECIPIENT/ AGENCY	SPONSOR	OCCASION	PLACE / DATE AWARDED
<b>NATIONAL</b>				
2018 NAST Talent Search for Young Scientists, 3 <sup>rd</sup> Place Winner	Dr. Lori Shane A. Busa	National Academy of Science & Technology, Philippines	NAST 40 <sup>th</sup> Annual Scientific Meeting	The Manila Hotel July 12, 2018
2018 Go Ocfemia Outstanding Plant Pathologist Award In Research	Dr. Jonar I. Yago	Philippine Phytopathological Society	50 <sup>th</sup> Anniversary and Annual Scientific Conference of the Pest Management Council of the Philippines, Inc.	The Mansion, Iloilo City May 8-11, 2018
Outstanding Agricultural & Biosystems Engineer	Adornado C. Vergara	Philippine Society of Agricultural Engineering	15 <sup>th</sup> Agricultural & Biosystems Engineering Convention and Exhibition & 68 <sup>th</sup> PSAE Annual National Convention	USEP Sports & Cultural Center, Davao City April 22 – 28, 2018
1 <sup>ST</sup> Place, Best Paper Award	Adornado C. Vergara/ June C. Quipo	Philippine Society of Agricultural Engineering	15 <sup>th</sup> Agricultural & Biosystems Engineering Convention and Exhibition & 68 <sup>th</sup> PSAE Annual National Convention	USEP Sports & Cultural Center, Davao City April 22 – 28, 2018
Outstanding Geodetic Engineer In The Academe	Bella A. Corpuz	Geodetic Engineers of the Phils., Inc	44 <sup>th</sup> Annual Regional Convention and Seminar	Highlander Hotel & Resort, Solano, Nueva Vizcaya April 13-14, 2018
2nd Place, Industrial Design	Romulfo C. Sanchez	DOST	2018 National Invention Contest and Exhibits (NICE)	Metropolitan Park, Pasay City August 14-16, 2018
Best Poster <i>Kangkong (Ipomea aquatic) as Part of the Substrates for African Night Crawler (eudrilus euginiae)</i>	Yolina T. Castañeto, Elmer T. Castañeto, Nelieflor L. Tuazon	Philippine Society for the Study of Nature-northern Luzon Chapter	12 <sup>th</sup> Annual Scientific and 3 <sup>rd</sup> National Conference of the Philippine Society for the Study of Nature-northern Luzon Chapter	NVSU November 23, 2018
<b>REGIONAL</b>				
First Place, Best Paper, Research Category <i>Effects Of Gamma-Irradiated Carrageenan Extract In Production, Hematologic, And Immunologic Parameters Of Commercial Broilers</i>	Rafael Luis F. Morillo	Cagayan Valley Agriculture , Aquatic and Resources Research and Development	29 <sup>th</sup> CVAARRD Regional Symposium in RDE highlights	DA-Cagayan Valley Research Center, Ilagan City, Isabela November 12-13, 2018

TITLE OF AWARD	RECIPIENT / AGENCY	SPONSOR	OCCASION	PLACE / DATE AWARDED
First Place, Best Poster <i>Hematologic Profile And Immune Response Of Broilers Supplemented With Gamma-Irradiated Carageenan (Gice) Extract Solution (Kappaphycus Alvarezii)</i>	Rafael Luis F. Morillo	Cagayan Valley Agriculture , Aquatic and Resources Research and Development	29th CVAARRD Regional Symposium in RDE highlights	DA-Cagayan Valley Research Center, Ilagan City, Isabela November 12-13, 2018
<b>LOCAL</b>				
1 <sup>st</sup> Place, Best paper, Research Category <i>Propagating Tumok and Saba through Whole Corm Technique: A Viable Method for Nursery Level Plantlet Production</i>	Elbert A. Sana*, Felinda B. Tillama, and Allen D. Ollani	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
2 <sup>nd</sup> Place, Best paper, Research Category <i>Effects of Irradiated Carrageenan in the Production, Hematologic and Immunologic Parameters of Commercial Broilers</i>	Rafael Luis F. Morillo* and Vernadyn A. Morillo	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
3 <sup>rd</sup> Place, Best paper, Research Category <i>Professional Aptitude and Readiness for Tour Guides for Ecotourism in North-Eastern Luzon, Philippines</i>	Marcelino T. Razalan and Mark Allen A. Razalan*	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
1 <sup>st</sup> Place, Best paper, Development Category <i>Green Energy Driven Water System for Increased Agricultural Productivity and Rural Incomes</i>	Adornado C. Vergara	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
2 <sup>nd</sup> Place, Best paper, Development Category <i>Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity</i>	Sony P. Aquino*, June C. Quipo, Jayson K. Maleek, and Adornado C. Vergara	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018

TITLE OF AWARD	RECIPIENT / AGENCY	SPONSOR	OCCASION	PLACE / DATE AWARDED
3 <sup>rd</sup> Place, Best paper, Development Category  <i>Community Empowerment through Science and Technology</i>	Maribel S. Bacena* and Roel M. Suriaga	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
1 <sup>st</sup> Place, Best paper, Higher Education  <i>Classroom Management Approaches and Teaching Effectiveness of Teacher Education Faculty</i>	Bonimar A. Tominez*, Fitzgerald L. Fabelico, Demetria A. Corpuz, Sanny J. Dangis, Gail G. Gumilet	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
2 <sup>nd</sup> Place, Best paper, Higher Education  <i>Professional Constructs Correlated with Registry of Qualified Applicants (RQA) Assessment: A Mathematical Model</i>	Jenifer Raymond R. Tallungan, Sheila Amor S. Olonan*, Araceli V. Domagas, and Marvin G. Dallego	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
3 <sup>rd</sup> Place, Best paper, Higher Education  <i>Revisiting the Nueva Vizcaya State University Academic Library: A Basis for Improvement Plan</i>	Demetria A. Corpuz*, Bonimar A. Tominez, Emmaruth F. Fernandez, and Jonathan P. Pasion	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
1 <sup>st</sup> Place, Best paper, Social Sciences Category  <i>Documentation of Philippine Traditional Knowledge and Practices on Health and Development of Traditional Knowledge Digital Library on Health: The I'wak of Nueva Vizcaya</i>	Yolina T. Castañeto, Noel C. Cardona, Jr., Alvin B. Felix*, and Lorna V. Dumale	Nueva Vizcaya State University	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018

TITLE OF AWARD	RECIPIENT / AGENCY	SPONSOR	OCCASION	PLACE / DATE AWARDED
2 <sup>nd</sup> Place, Best paper, Social Sciences Category  <i>Mga Katutubong Pananaliksik: Mga Usapin, Hamon at Posibleng Daluyan ng Polisiya</i>	Mild R. Hombreb ueno* and Loreta Vivian R. Galima	Nueva Vizcaya State University	15th University In -House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018
3 <sup>rd</sup> Place, Best paper, Social Sciences Category  <i>Sociocultural Paradigms in the Works of 21<sup>st</sup> Century Ilokano Writers of Southern Nueva Vizcaya</i>	Jenifer Raymond R. Tallungan *, Girlie F. Salas, and Andres Z. Taguam	Nueva Vizcaya State University	15th University In -House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya Sept. 27-28, 2018

#### IV. PAPER/POSTER 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 international to local arena.



University researchers also pursued their researches and presented these to their peers and external evaluators during the 15th University In-House Review of Completed, On-going, and New Project Proposal last September. As a result, 52 papers of on-going and completed projects and 9 proposals under the Research, Development, Higher Education and Social Sciences were presented.

A total of 107 RD & E papers were presented in various fora in the international, national, regional and local levels as presented below:

INTERNATIONAL	NATIONAL	REGIONAL	LOCAL	TOTAL
34	9	12	52	107

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>INTERNATIONAL</b>			
N, P, K Contents of Vermicompost Using Kangkong ( <i>Epomea aquatica</i> ) as Part of the Substrates for African Night Crawler ( <i>Eudrillus eugeniae</i> )	Yolina T. Castañeto	18th PASSAGE Biennial Convention and International Research Conference	Supreme Hotel, Baguio City  February 14 - 17, 2018
Enterprise Development Framework of Pineapple Industry in Nueva Vizcaya	Cherrie Prella C. De Guzman	1 <sup>st</sup> International Research and Educators Summit	New Camelot Hotel, Quezon City  February 24 - 26, 2018
Consumer's Preferences towards the Use of Eco -friendly Reusable Bags: Basis for Crafting of Promotional Strategies	Renalee V. Valenzuela	1 <sup>st</sup> International Research and Educators Summit	New Camelot Hotel, Quezon City  February 24 - 26, 2018



TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>INTERNATIONAL</b>			
Community Perception of people Centered Governance and Sustainable Citrus Livelihood Program in Kasibu, Nueva Vizcaya, Philippines	Rodelia C. Non	Asian Conference on Sustainable and Regenerative Development 2018	Bluewater Panglao, Bohol April 9-11, 2018
Vermicomposting Using Three Invasive Aqua Terrestrial Plant Species	Yolina T. Castañeto, Rogelio Pascua, Elmer Castañeto, Juanita B. Pascua	International Conference on Nature Studies and Innovations for the Environment 2018 and PSSN's 18th Annual Scientific Conference	University of Sto. Tomas, Manila May 16-19, 2018
Ilokano Women Writers from the Margins: Lessons in Empowerment and Writing	Lovella G. Velasco, Gavelia H. Velasco	13 <sup>th</sup> NAKEM International Conference	Saint Louis University, Baguio City May 24-26, 2018
Loci of Sociolinguistic Intelligence: Do they correlate with English Language Verbalism?	Wilhelmina C. Bullecer	7th International Conference on Advancement of Development Administration 2018- Social Sciences & Interdisciplinary Studies ( 7th ICADA-2018 SSIS)	National Institute of Development Administration, Bangkok, Thailand May 31- June 2, 2018
Non-cognitive attributes as correlates of academic performance	Mercy T. Las Marias	7th International Conference on Advancement of Development Administration 2018- Social Sciences & Interdisciplinary Studies ( 7th ICADA-2018 SSIS)	National Institute of Development Administration, Bangkok, Thailand May 31- June 2, 2018
Predictors of Performance in Licensure Examination of Secondary Teacher Education Graduates of a State University in Cagayan Valley: A mathematical model	Sheila Amor S. Olonan	7th International Conference on Advancement of Development Administration 2018- Social Sciences & Interdisciplinary Studies ( 7th ICADA-2018 SSIS)	National Institute of Development Administration, Bangkok, Thailand May 31- June 2, 2018
Multi-Perspective Valuation of Gender and Development Highlights in Creative Articles of "Kasarian"	Jenifer Raymond R. Tallungan	7th International Conference on Advancement of Development Administration 2018- Social Sciences & Interdisciplinary Studies ( 7th ICADA-2018 SSIS)	National Institute of Development Administration, Bangkok, Thailand May 31- June 2, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>INTERNATIONAL</b>			
Reading Attitude and Technological Proficiency: Wellhead of Academic Achievement in English	Lloyd Geoffrey R. Quiben	7th International Conference on Advancement of Development Administration 2018- Social Sciences & Interdisciplinary Studies ( 7th ICADA-2018 SSIS)	National Institute of Development Administration, Bangkok, Thailand May 31- June 2, 2018
Verbal Outcomes Improvement through Competency Enhancement (Voice) Learning Program	Andres Z. Taguiam	7th International Conference on Advancement of Development Administration 2018- Social Sciences & Interdisciplinary Studies ( 7th ICADA-2018 SSIS)	National Institute of Development Administration, Bangkok, Thailand May 31- June 2, 2018
Teaching Action research through the Plan-Do-Study-Act Model: Pre-service Teachers' Perspectives	Rodney T. CaJimat	International Postgraduate Roundable and Research Forum cum Summer School 2018	Education University of Hong Kong July 3-6, 2018
Development of Anaerobic Digester	Sony P. Aquino	1 <sup>st</sup> International Multi-Sectoral Development Extension Services Conference	University of Northern Philippines/ Vigan City July 4-6, 2018
Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity	Sony P. Aquino	1 <sup>st</sup> International Multi-Sectoral Development Extension Services Conference	University of Northern Philippines/ Vigan City July 4-6, 2018
Discriminators of Upper and Lower Quartile School's Mathematics Performance in the National Achievement Test	Julius S. Valderama	International Conference of Methodological Advances in Research	University of San Jose Recoletos, Cebu City July 24-26, 2018
Development and Evaluation of Rainfall Intensity-Duration Frequency Curves for NVSU-PAGASA, Bayombong, Nueva Vizcaya	Adornado C. Vergara	1 <sup>st</sup> international conference on governance and partnership and technology exhibition on climate change adaptation (cca) and disaster risk reduction management (DRRM)	Marco Paulo Hotel, Cauayan City, Isabela October 22-26, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>INTERNATIONAL</b>			
Determinants of Tilapia Aquaculture Profitability in Nueva Vizcaya Using Stochastic Frontier Analysis	Aljanet M. Jandoc	2018 International Conference on Sustainable Environment Technologies (ICSET 2018)	Mapua University, 658 Muralla St., Intramuros, Manila City  August 19-21, 2018
Breaking the Silence of an Endemic Treasure of Nueva Vizcaya: The Phytochemical, Antioxidant, Cytotoxic, and Antimicrobial Properties of Dagwey	Fitzgerald I. Fabelico	E3-Start International Academic R&D Festival	CLSU, Science City of Muñoz, Nueva Ecija  September 5-7, 2018
Reinventing the Curriculum: A realization from the Pedagogical Competence and Scholastic Performance of Preservice Teachers	Fitzgerald I. Fabelico	E3-Start International Academic R&D Festival	CLSU, Science City of Muñoz, Nueva Ecija  September 5-7, 2018
The Technological Pedagogical Content Knowledge of Science Education Students: Its Relation to Self-Regulation and Life-long Learning Tendencies	Fitzgerald I. Fabelico	E3-Start International Academic R&D Festival	CLSU, Science City of Muñoz, Nueva Ecija  September 5-7, 2018
Mysterious Health Allies: The Phytochemical and Antimicrobial Properties of the Entomopathogenic Fungi in Nueva Vizcaya	Fitzgerald I. Fabelico	E3-Start International Academic R&D Festival	CLSU, Science City of Muñoz, Nueva Ecija  September 5-7, 2018
Effect of Coconut Coir Dust on Growth of Pili ( <i>Canarium ovatum</i> ) Seedlings	Shierel F. Vallesteros, Arvin P. Vallesteros, Marlon U. Saludarez	14 <sup>TH</sup> International Conference on Biodiversity in a Changing Landscape and Climate Change of the Forests and Natural Resources Research Society of the Philippines, Inc. (FORESPI)	College of Forestry and Natural Resources, UP Los Baños  November 8-9, 2018
Carbon Stock of Green Spaces in Central Schools of Santiago City, Isabela, Philippines	Yolina T. Catañeto, Mario F. Domance	14 <sup>TH</sup> International Conference on Biodiversity in a Changing Landscape and Climate Change of the Forests and Natural Resources Research Society of the Philippines, Inc. (FORESPI)	College of Forestry and Natural Resources, UP Los Baños  November 8-9, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>INTERNATIONAL</b>			
Point to Surface Mapping of Selected Soil Properties of Bangan Hil National Park using Different Interpolation Techniques	Shierel F. Vallesteros, Arvin P. Vallesteros	14 <sup>TH</sup> International Conference on Biodiversity in a Changing Landscape and Climate Change of the Forests and Natural Resources Research Society of the Philippines, Inc. (FORESPI)	College of Forestry and Natural Resources, UP Los Baños November 8-9, 2018
Efficacy of the Different Levels of Vermipellets on Growth of Pechay ( <i>Brassica pekinensis</i> L.)	Lorena P. Laguardia	14 <sup>TH</sup> International Conference on Biodiversity in a Changing Landscape and Climate Change of the Forests and Natural Resources Research Society of the Philippines, Inc. (FORESPI)	College of Forestry and Natural Resources, UP Los Baños November 8-9, 2018
Integral Capacity Works for Participatory and Entrepreneurial Local Governance: The Case of Solano, Nueva Vizcaya	Cristina R. Salvosa	2018 PSPA International Conference	Luxe Hotel, Cagayan de Oro City November 13-15, 2018
The Office of the Barangay Local Government Units of Bambang: Their Legislatives, Development and Leadership Capabilities	Jean R. Orcales	2018 International Conference	Limketkai Luxe Hotel Cagayan de Oro November 13-15, 2018
Capacitating Communities on Mushroom Production	Maribel S. Bacena* Roel M. Suriaga	2 <sup>nd</sup> PAEPI international Conference and 6 <sup>th</sup> Biennial Convention	JAPI Hotel, Cauayan City, Isabela November 14-16, 2018
Sustaining the Loom Weaving and Cut Flower	Maribel S. Bacena* Roel M. Suriaga	2 <sup>nd</sup> PAEPI international Conference and 6 <sup>th</sup> Biennial Convention	JAPI Hotel, Cauayan City, Isabela November 14-16, 2018
Cognitive Test Construction Skills of Prospective Teachers: Ensuring Quality Student Learning Outcomes	Jenifer Raymond E. Tallungan, Elma P. Apostol	3 <sup>rd</sup> International Conference on Open and Distance e-Learning (ICODEL-2018)	Garden Villa Hotel, Kaohsiung, Taiwan November 26-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>INTERNATIONAL</b>			
Professional Constructs Correlated with Registry of Qualified Applicants (RQA) Assessment: A Mathematical Model	Jenifer Raymond E. Tallungan, Araceli V. Domagas	3 <sup>rd</sup> International Conference on Open and Distance e-Learning (ICODEL-2018)	Garden Villa Hotel, Kaohsiung, Taiwan  November 26-28, 2018
Importance and Effectiveness of and Problems on Knowledge Management (KM) Practices on the Resources of a Philippine State University: Towards Developing a KIM Framework	Cecile J. Martin Jenifer Raymond Tallungan	3 <sup>rd</sup> International Conference on Open and Distance e-Learning (ICODEL-2018)	Garden Villa Hotel, Kaohsiung, Taiwan  November 26-28, 2018
Early Apoptotic Response Induced by Cytotoxic Activities of <i>Morus Rubra</i> Linn against Cancel Cells	Rodney T. Cajimat	41 <sup>st</sup> Annual Meeting of the Molecular Biology Society of Japan	Yokohama Japan  November 28-30, 2018
<b>NATIONAL</b>			
Economic evaluation of a 16m <sup>3</sup> Bio-digester as Energy Source for Cooking, Water Pumping and Electricity Generation	Adornado C. Vergara/ June C. Quipo	15 <sup>th</sup> Agricultural & Biosystems Engineering Convention and Exhibition & 68 <sup>th</sup> PSAE Annual National Convention	USEP Sports & Cultural Center, Davao City  April 22 – 28, 2018
Surveillance of Fasciolosis in Cattle, Carabaos and Goats in Region II	Liberty G. Torres Haidee E. Torio*	Bureau of Animal Industry Annual In-House R and D Review	New Camelot Hotel, Quezon City  19 July 2018
Effects of Different Soil Media on the Rooting and Survival of Anonang ( <i>Cordia dichotoma</i> Forst) Cuttings	Arvin P. Vallesteros Shirel F. Vallesteros	National Academy of Science and Technology, Philippines 40 <sup>th</sup> Annual Scientific Meeting	Manila Hotel, Rizal Park, Manila  July 11-12, 2018
Pre-germination Treatments and Early Growth of Anonang ( <i>Cordia Dichotoma</i> Forst) Using Different Soil Enhancers	Arvin P. Vallesteros Shirel F. Vallesteros	National Academy of Science and Technology, Philippines 40 <sup>th</sup> Annual Scientific Meeting	Manila Hotel, Rizal Park, Manila  July 11-12, 2018
Aboveground Biomass Density of Capisaan Landscape Estimated Using Landsat 8 Data	Arvin P. Vallesteros Shirel F. Vallesteros	National Academy of Science and Technology, Philippines 40 <sup>th</sup> Annual Scientific Meeting	Manila Hotel, Rizal Park, Manila  July 11-12, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>NATIONAL</b>			
Shiitake Mushroom Farming in the Uplands of Nueva Vizcaya: Balancing Economics and Outcomes	Maribel S. Bacena Roel M. Suriaga Flora Joy B. Garcia Andres Z. Taguiam*	6 <sup>th</sup> National Congress and Philippine Agriculturist Summit	Waterfront Hotel, Lahug, Cebu City July 23-25, 2018
Analyzing the Effects of Technical Efficiency on Tilapia Aquaculture Production in Nueva Vizcaya	Aljanet M. Jandoc	56 <sup>th</sup> PES Annual Meeting and Conference and 43 <sup>rd</sup> Annual Conference of the Federation of ASEAN Economic Association (FAEA)	Novotel Manila, Araneta Center, Quezon City November 8-10, 2018
Efficiency Analysis and Economic Evaluation of the Water Distribution System of the Nueva Vizcaya State University	Angelito D. Agrimor	12 <sup>th</sup> Annual Scientific Conference of the Philippine Society for the Study of Nature – Northern Luzon Chapter	NVSU Bayombong November 21-23, 2018
Kangkong (Ipomea aquatic) as Part of the Substrates for African Night Crawler (eudrilus euginiae)	Yolina T. Castañeto, Elmer T. Castañeto, Nelieflor L. Tuazon	12 <sup>th</sup> Annual Scientific Conference of the Philippine Society for the Study of Nature – Northern Luzon Chapter	NVSU Bayombong November 21-23, 2018
<b>REGIONAL</b>			
Community Empowerment through Science and Technology	Maribel S. Bacena and Roel M. Suriaga	29 <sup>th</sup> CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Green Energy Driven Water System for Increased Agricultural Productivity and Rural Incomes	Adornado C. Vergara	29 <sup>th</sup> CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela Nov. 12-13, 2018
Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity	Sony P. Aquino*, June C. Quipo, Jayson K. Maleek, and Adornado C. Vergara	29 <sup>th</sup> CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>NATIONAL</b>			
Professional Aptitude and Readiness for Tour Guides for Ecotourism in North-Estern Luzon, Philippines	Marcelino T. Razalan and Mark Allen A. Razalan*	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Effects of Irradiated Carrageenan in Production, Hematologic and Immunologic Parameters of Commercial Broilers	Rafael Luis F. Morillo and Vernadyn A. Morillo	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Propagating Tumok and Saba through Whole Corn Technique: A Viable Method for Nursery Level Plantlet Production	Elbert A. Sana, Felinda B. Tillama, and Allen D. Ollani	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Poster			
Propagating Tumok and Saba through Whole Corn Technique: A Viable Method for Nursery Level Plantlet Production	Elbert A. Sana, Felinda B. Tillama, and Allen D. Ollani	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Hematologic Profile And Immune Response Of Broilers Supplemented With Gamma-Irradiated Carageenan (Gice) Extract Solution (Kappaphycus Alvarezii)	Rafael Luis F. Morillo, Vernadyn A. Morillo	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>NATIONAL</b>			
Professional Aptitude and Readiness for Tour Guides for Ecotourism in North-Estern Luzon, Philippines	Marcelino T. Razalan and Mark Allen A. Razalan*	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Effects of Irradiated Carrageenan in Production, Hematologic and Immunologic Parameters of Commercial Broilers	Rafael Luis F. Morillo and Vernadyn A. Morillo	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Propagating Tumok and Saba through Whole Corn Technique: A Viable Method for Nursery Level Plantlet Production	Elbert A. Sana, Felinda B. Tillama, and Allen D. Ollani	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
<b>Poster</b>			
Propagating Tumok and Saba through Whole Corn Technique: A Viable Method for Nursery Level Plantlet Production	Elbert A. Sana, Felinda B. Tillama, and Allen D. Ollani	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Hematologic Profile And Immune Response Of Broilers Supplemented With Gamma-Irradiated Carageenan (Gice) Extract Solution (Kappaphycus Alvarezii)	Rafael Luis F. Morillo, Vernadyn A. Morillo	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018



TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>NATIONAL</b>			
Growth Performance and Carcas Meat Characteristics of Broilers Supplemented with Gamma-Irradiated Carageenan Extract (Kappaphycus Alvarezii)	Rafael Luis F. Morillo, Vernadyn A. Morillo	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Professional Aptitude and Readiness for Tour Guides for Ecotourism in North-Estern Luzon, Philippines	Marcelino T. Razalan and Mark Allen A. Razalan*	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Green Energy Driven Water System for Increased Agricultural Productivity and Rural Incomes	Adornado C. Vergara	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
PCommunity Empowerment through Science and Technology	Maribel S. Bacena and Roel M. Suriaga	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
<b>LOCAL</b>			
The Acceptability of Multi-Demonstration Panel for Motor Controller	Dominador C. Bacani	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>NATIONAL</b>			
Growth Performance and Carcas Meat Characteristics of Broilers Supplemented with Gamma-Irradiated Carageenan Extract (Kappaphycus Alvarezii)	Rafael Luis F. Morillo, Vernadyn A. Morillo	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Professional Aptitude and Readiness for Tour Guides for Ecotourism in North-Estern Luzon, Philippines	Marcelino T. Razalan and Mark Allen A. Razalan*	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
Green Energy Driven Water System for Increased Agricultural Productivity and Rural Incomes	Adornado C. Vergara	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
PCommunity Empowerment through Science and Technology	Maribel S. Bacena and Roel M. Suriaga	29th CVAARRD Regional Symposium on RDE Highlights	Department of Agriculture-Cagayan Valley Research Center, San Felipe, Illagan City, Isabela  Nov. 12-13, 2018
<b>LOCAL</b>			
The Acceptability of Multi-Demonstration Panel for Motor Controller	Dominador C. Bacani	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Professional Aptitude and Readiness for Tour Guides for Ecotourism in North-Estern Luzon, Philippines	Marcelino T. Razalan and Mark Allen A. Razalan*	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Preliminary Assessment of Physico-Chemical and Biological Related Attributes of Lanog River in Villaverde, Nueva Vizcaya	Marlon U. Saludaes	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Effects of Irradiated Carrageenan in Production, Hematologic and Immunologic Parameters of Commercial Broilers	Rafael Luis F. Morillo* and Vernadyn A. Morillo	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Propagating Tumok and Saba through Whole Corn Technique: A Viable Method for Nursery Level Plantlet Production	Elbert A. Sana*, Felinda B. Tillama, and Allen D. Ollani	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
CCR4DCV Project 1: Value Chain Analysis of Calamansi in Cagayan Valley	Gayon P. Sarmiento*, and Alice Hanggoy	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Conservation Improvement and Profitable Utilization of the Philippine Native Pigs Project 2: Local Resource-Based Free Range Production Mangement Protocols and Systems for Breeder and Slaughter Native Pigs	Dorothy P. Pagbilao, Rembert G. Gapad* and Joel Kayvin S. Petipit	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Information System and Communication Network of Corn Growers in Nueva Vizcaya	Cecilia H. Delos Trinos*, Fredisminda A. Dolojan, and Lahaina Sue Azanon	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Kangkong ( <i>Ipomoea aquatica</i> ) as Part of the Substrates for African Night Crawler ( <i>Eudrilus eugeniae</i> )	Yolina T. Castañeto*, Elmer T. Castañeto, and Meliefloor L. Tuazon	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Development and Performance Evaluation of A Portable Essential Oil Extractor	Frankie S. Ramos and Fitzgerald L. Fabelico*	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Development of KLABS21: A Web-Based Trading System of Fruit and Vegetables	Percival B. Labog*, Ian Kim P. Seligbon, and Ryan Victor D. Bautista	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Assessing the Governance Performance of Villaverde LGU: Using the Citizen Satisfaction Index System	Cristina R. Salvosa, Dolores B. Galvez, Josue A. Chua*, Mary Hazel Joy C. Ugot, and Mercy Pumihic	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
CRR4DCV Project 2: Gene Bank and Database Profile of Citrus Genetic Resources	Ma. Cecilia I. Salas, Aldwin D. Pablo, Vilchor Perdido, Trechelle Joy M. Soliven*, John Mark R. Sison, and Roy Allen E. Guillermo	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Supply Chain Improvement of Soybean in Northern Philippines (Phase 1: Evaluation Research)	Gayon P. Sarmiento, Roel M. Suriaga and Aleksis P. Sarmiento*	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Surveillance of Fasciolosis in Carabaos, Cattle and Goats in Cagayan Valley Region	Liberty G. Torres, Haidee E. Torio, and Mark John S. Beltran	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Philippine Isolates of Entomopathogenic Fungi as Potential Source of Microbial Agents Against Citrus Rind Borer (CRB) and Twig Blight Disease (TBD) of Citrus	Jonar I. Yago, Lori Shayne A. Busa, Melvin R. Cuban*, Jo-Eliz M. Gonzales, Samboy G. Gilo and Alvin V. Galamay	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Integral Capacity Building to Integral Capacity Works for Participatory and Entrepreneurial Local Governance: The Case of Solano, Nueva Vizcaya	Cristina R. Salvosa, Dolores B. Galvez, Josue A. Chua*, and Cherrie Prella C. de Guzman	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Enhancing Entrepreneurial Capacity of Solano Women's Club-Lactawan Chapter	Cristina R. Salvosa, Rachel Hope R. Tiongson*, Josue A. Chua, and Cherrie Prella C. de Guzman	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Community Empowerment through Science and Technology	Maribel S. Bacena*, and Roel M. Suriaga	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Capacitating Communities on Mushroom Production	Maribel S. Bacena*, Imelda V. Iglesias, Flora Joy B. Garcia, Roel M. Suriaga, and Esmeraldo T. Razalan	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Sangguniang Kabataan Mandatory Training (SKMT) Implementation I Nueva Vizcaya	Elmer T. Castañeto, Josue A. Chua, Rogelio P. Pascua*, Lorena P. Laguardia, Jovien L. Ansibey, and Cherrie Prella C. de Guzman	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Green Energy Driven Water System for Increased Agricultural Productivity and Rural Incomes	Adornado C. Vergara	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Reinvigorating the Ginger Industry: Multi-location and Adaptation Trial of Ginger Rhizomes Rot Package of Technology (POT) and Development of Ginger-based Food Products	Andres Z. Taguiam, Wilfredo A. Dumale, Jr., and Jo-ann Hesel Bamba	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Enhancing the Intellectual Property and Technology Business Management (IPM-TBM) Operations of the Nueva Vizcaya State University (NVSU)	Blesila R. Ramos, Josue A. Chua, and Jeremy V. Dasalla	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Anaerobic Digestion: Energy Generation and Utilization for Increased Swine Productivity	Sony P. Aquino*, June C. Quipo, Jayson K. Maleek, and Adornado C. Vergara	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Beterinaryo sa Baryo Extension Program	Liberty G. Torres, Dorothy P. Pagbilao, Ruben P. Soriano, Rafael Luis F. Morillo, Vernadyn A. Morillo, Haidee E. Torio, Jun-jun C. Pabilin, Jessica M. Cadoy, Kayvin Joel S. Petipit, Rembert John G. Gapad, Melvin O. Allama*, and Joseph Val B. Estalilla	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Pagadalan ti Mannalon: A DA-SUC-LGU 'Steering and Rowing Approach' in Establishing Learnings Sites for Farmers in Nueva Vizcaya	Imelda V. Iglesias*, Flora Joy B. Garcia, Maribel S. Bacena, Roel M. Suriaga, Esmeraldo T. Razalan, Marigel J. Guzman, Carlito D. Jorge, Jr., Blesila R. Ramos, Manolo T. Valdez, Joaquin B. Cera, and Andres Z. Taguiam	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Pagadalan iti Barangay: A Unified Open College towards an Interdisciplinary Learning Sites for Farmers in Nueva Vizcaya	Blesila R. Ramos	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Commercialization of Shiitake Production and Product Development Technology in Nueva Vizcaya	Maribel S. Bacena, Flora Joy B. Garcia*, Roel M. Suriaga, Seialyn D. Cacal, and Eric Son R. dela Cruz	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
NVSU Product Development and Innovation Center	Andres Z. Taguiam*, Wilfredo A. Dumale, Jr., Jonar I. Yago, and Gina Leah A. Dizon	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Learning Approaches and Strategies, Course Influence, Grift, and Academic Drive as Regressors and Determinants of Pre Service Teachers' Performance in General and Professional Education Mock Licensure Examinations	Reymund C. Derilo	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Training Needs of Stakeholders in Aritao National High School: Creating Extension Roadmap for Secondary Teacher Education Department of Nueva Vizcaya State University-Bambang	Laila G. Hernandez*, Jenifer Raymond R. Tallungan, and Elma P. Apostol	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Professional Constructs Correlated with Registry of Qaulified Apllicants (RQA) Assessment: A Mathematecal Model	Jenifer Raymond R. Tallungan, Shiela Amor S. Olonan*, Araceli V. Domagas, and Marvin G. Dalego	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Interest in Research, Research Self-Efficacy, Training Environment and Research Skills of Action Research Students: Towards the Enhancement of Relevant, Responsive and Quality Teacher Education Researchers	Jennylin B. Carreon, Reymound C. Derillo, Margarette G. Laguerta, and Hanna Gay D. Mejia*	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Vission, Mission, Goals and Objectives (VGMO) of Nueva Vizcaya State University in the Lenses of its Stakeholders	Vaisarah Jane G. Martinez*, Jennifer Raymond R. Tallungan, Wilhelmina C. Bullecer	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Revisiting the Nueva Vizcaya State University Academic Library: A Basisfor Improvement Plan	Demetria A. Corpuz*, Bonimar A. Tominez, Emmaruth F. Fernandez, and Jonathan P. Passion	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018



TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Literacy Needs Assessment of Stakeholders in Lamo and Magsaysay Hill: Basis for Extension Framework	Jenifer Raymond R. Tallungan, Remedios L. Fragata, Maria Corazon Francia S. Hongo*, and Wilhelmina C. Bullecer	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Classroom Management Approaches and Teaching Effectiveness of Teacher Education Faculty	Bonimar A. Tominez*, Fitzgerald L. Fabelico, Demetria A. Corpuz, Sanny J. Dangis, and Gail G. Gumilet	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Comparative Structural Analysis of News Heads and Leads Using Systemic Functional Linguistics (SFL)	Jenifer Raymond R. Tallungan*, and Eva Liza D. Basconcillo	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
The Outlook of College of Business and Economics Alumni: A Tracer Study	Cherry C. Lacaden	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Assessment Practices in Paper-and-Pencil Tests Among Faculty Members of Nueva Vizcaya State University	Juanita B. Pascua, Jane D. Navalta, and Cherry P. Navalta*	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Mga Katutubong Pananaliksik: Mga Usapin, Hamon at Posibleng Daluyan ng Polisiya	Mild R. Hombrebueno*, and Loreta Vivian R. Galima	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Sociocultural Paradigms in the Works of 21st Century Iloko Writers of Southern Nueva Vizcaya	Jenifer Raymond R. Tallungan*, Girlie F. Salas, and Andres Z. Taguam	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Punong Barangays in the Province of Nueva Vizcaya: Their Leadership Behavior and Competencies	Arcadia Alice T. ordonez	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Documentation of Philippine Traditional Knowledge and Practices on Health and Development of Traditional Knowledge Digital Library on Health: The I'wak of Nueva Vizcaya	Yolina T. Castañeto, Noel C. Cardona, Jr., Alvin B. Felix*, and Lorna V. Dumale	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Linguwistikong Etnograpiya ng Filipinas sa Wikang Gaddang	Joey M. Villanueva, Denny B. Jamil*, and Ma. Rouselle G. Jandoc	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Linguwistikong Etnograpiya ng Filipinas sa Wikang Isinay	Alvin B. Felix, Sheena Lyn V. Ramos*, and Gerald F. Lobeban	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Lived Experiences of Men and Women Contractual Employees: A Hermeneutic Phenomenological Analysis	Albert A. Garcia, Maria Rouselle G. Handoc*, and Gerald F. Lobeban	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>LOCAL</b>			
Mga Inang Kolehiyala: Life stories of Young Mothers in NVSU	Lorna L. Oligo, and Maria Rouselle G. Jandoc*	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Gender Responsiveness of Guidance Counselling Centers Phase I	Maria Rouselle G. Jandoc*, and Lorna L. Oligo	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
<b>PROPOSALS</b>			
Perseverance and Passion in the Teaching Profession: The Teachers' Grit, Burnt-out, Resilience and Self Efficacy Levels	Fitzgerald L. Fabelico , and Bonimar A. Tominez*	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Attitude and Academic Performance of the Students under CAS STEAM Program	Ruchi Briam S. Lagitnay and Lanny D. Dullas	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Revisiting the Nueva Vizcaya Student Code of Discipline as a Basis for Potential Policy Revision	Fermila D. Cauilan, Noela L. Palma, Richard J. Taclay, and Karen D. Taclay	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Impact Evaluation of Scholarship Grants in the Academic Performance of NVSU Students	Joan A. Piñon, Richard D. Taclay, Jesusa L. Naui, Margem J. Pascual, Ma. Eden R. Salaguste	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

TITLE OF PAPER/POSTER	PRESENTERS	TITLE OF CONFERENCE/SPONSOR	DATE AND VENUE
<b>PROPOSALS</b>			
Faculty Members' Perspectives and Practices on Assessment of Students	Jane D. Navalta, Juanita B. Pascua, Cherry Ann P. Navalta, Josifina S. Sana, and Marielo D. Cadiz	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Reading Comprehension and Mathematecal Abilities of BS Math Students	Denny B. Jamil, Karen D. Taclay, and Richard J. Taclay	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Hotspot Mapping of Bayombong, Nueva Vizcaya	Karen D. Taclay and Richard J. Taclay	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Artificial Spawning Response of Magat River Catfish (Arius magateensis Herre) to Human Chorionic Gonadotropin	Reynald A. delos Trinos	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018
Relationship of Faculty Evaluation and Students Performance to the College of Business Education	Cherry C. Lacaden	15th University In-House Review of Completed, On-going, and New Project Proposal	Nueva Vizcaya State University, Bayombong, Nueva Vizcaya  Sept. 27-28, 2018

## V. LINKAGES AND COLLABORATION WITH OTHER AGENCIES

This 2018, 33 MOA/MOU's were forged 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.



#	COLLABORATING AGENCY	TYPE OF LINKAGE	PROJECT TITLE
1.	HEDF/CHED	Project	Integrated Pest Management and Entrepreneurship Capacity Building: A Synergistic Approach to Sustainable Rural Development
2.	Munguia National High School	Extension Project	Development project on the following programs: Basic Education/Functional Literacy, Livelihood and Technical Services; Sports and Wellness; Research and Statistics; Gender and Development(Munguia National High School)
3.	Agriculture Training Institute-RTC 2	Extension Project	Pagadalan ti Barangay: A Unified Open College Towards an Interdisciplinary Approach to Research and Extension Continuum
4.	DOST-PCAARRD	Project	Supply Chain Improvement of Soybean in Northern Philippines (Phase I: Evaluation Research)
5.	CHED	Project	Enhancing Ecosystem Services on Food and Freshwater in Rainfed Agricultural Areas of Cagayan Valley Program (ESP)
6.	DepEd Dupax Del Norte District I	Extension Project	Development program on Basic Education/Functional Literacy, Livelihood and Technical Services; Sports and Wellness; Research and Statistics; Gender and Development ( <i>DepEd Dupax Del Norte District I</i> )
7.	Salinas National High School, Bambang, Nueva Vizcaya	Extension Project	Development Program on Basic Education/Functional Literacy, Livelihood and Technical Services; Sports and Wellness; Research and Statistics; Gender and Development ( <i>Salinas National High School, Bambang, Nueva Vizcaya</i> )
8.	Aritao, National High School, Aritao, Nueva Vizcaya	Extension Project	Development Program on Basic Education/Functional Literacy, Livelihood and Technical Services; Sports and Wellness; Research and Statistics; Gender and Development ( <i>Aritao, National High School, Aritao, Nueva Vizcaya</i> )
9.	Dadap Elementary School	Extension Project	Tulong Para sa Mag-aaral (Dadap Elementary School)
10.	LGU-Aritao	Extension Project	Capability enhancement Program (LGU-Aritao)
11.	LGU-Dupax Del Norte	Extension Project	Capability Enhancement Program (LGU-Dupax Del Norte)
12.	Nva. Viz. OFW Kabayani Asso.Inc	Extension Project	Capability Enhancement Program (Nva. Viz. OFW Kabayani Asso.Inc.)
13.	Timpuyog ti Babbalasang idi Kalman-Nueva Vizcaya Chapter (TIBIK-NV)	Extension Project	Livelihood training Programs (Timpuyog ti Babbalasang idi Kalman-Nueva Vizcaya Chapter (TIBIK-NV))
14.	MLGU Santiago City	Extension Project	Building Capacities and Empowerment for Rural Improvement Club of Barangay Plaridel, Santiago City
15.	Sardan Piggery Farm	Technical Assistance	Technical Assistance/Consultancy to SARDAN PIGGERY FARM in the Design and Establishment of Energy Recovery and Waste Treatments Facility
16.	Gutierrez Piggery Farm	Technical Assistance	Technical Assistance/Consultancy to GUTIEREZ PIGGERY FARM in the Design and Establishment of Energy Recovery and Waste Treatments Facility

#	COLLABORATING AGENCY	TYPE OF LINKAGE	PROJECT TITLE
17.	Tomas Piggery Farm	Technical Assistance	Technical Assistance/Consultancy to TOMAS PIGGERY FARM in the Design and Establishment of NVSU Model Anaerobic Digester
18.	PhilRice	Project	1. Multi-location adaptation trial for irrigated lowland inbred entries (CT -MAT); and 2. National Cooperative Test for Cool Elevated Areas (NCT-CE)
19.	DOST-GIA	Project	Efficacy Evaluation of Biopesticides Derived from Entomopathogenic Fungi (EPF) Against Rind Borer and Twig Blight Disease (TBD) of Citrus
20.	DOST 02	Project	Reinforcing NVSU Product Development and Innovation Center
21.	DOST-GIA	Project	Development of KLABS21: A Web-based Trading System of Fruits & Vegetables
22.	CLSU	Internship	CLSU - OJT
23.	Komisyon sa Wikang Filipino (KWF)	Project	1. Lingguwistikong Etnograpiya ng Filipinas sa wikang Gaddang 2. Lingguwistikong Etnograpiya ng Filipinas sa wikang Isinay
24.	WESTEC & DOST R02 (as partners)	Project	Research, Development, and Semi - Commercialization of the River Hydro Turbine
25.	DA-ATI	Project	Pagadalan ti Mannalon : A DA-SUC-LGU Steering and Rowing Approach in Establishing Learning Sites for Farmers in Nueva Vizcaya For 8 Municipalities of Nueva Vizcaya: 1) Kayapa; 2) Kasibu; 3) Sta Fe; 4) Bagabag; 5) Dupax del Norte; 6) Diadi; 7) Bayombong; 8) Quezon
26.	DA-ATI	Project	"Pagadalan ti Mannalon" A DA -LGU Steering and Rowing Approach in Establishing Learning Sites for Farmers in Nueva Vizcaya
27.	DOST-PCAARRD	Project	Enhancing the Intellectual Property and Technology Business Management (IP -TBM) Operations of the Nueva Vizcaya State University
28.	PCHRD	Project	Development of microfluidic paper -based analytical devices ( $\mu$ PADs) for the detection of Diarrhea - causing pathogens in water
29.	NIA	Project	Conduct of the 2018 Farmers Satisfaction Survey
30.	DA-RF02	Project	Vermicomposting facility
31.	DA-RF02	Project	Greenhouse for Organic Vegetable Seedlings Production
32.	DTI	Project	Upgrading the NVSU Food Product Development, Processing, Technology Business Incubation and Training Center
33.	DILG	Project	Assessing the Governance Performance of Villaverde LGU: Using the Citizen Satisfaction Index System

## VI. TRAININGS CONDUCTED TO CLIENTELE/STAKEHOLDERS

The Extension program conducted trainings on various livelihood projects, agricultural production, homemaking and/or industrial technology, and other capability building activities. As a result of these trainings conducted by the Extension program and the different colleges of both campuses, a total of 4,618 people were extended with services and knowledge.



TITLE OF TRAINING	DATE	VENUE	RESPONSIBLE COLLEGE/UNIT	NUMBER OF TRAINEES WEIGHTED BY THE LENGTH OF TRAINING
Training on Mushroom Production	January 18-19, 2018	Barangay Conversion Pantabangan Nueva Ecija	College of Forestry-Bayombong Campus	29
Integral Capacity Building	January 22-23, 2018	Mini-Theatre, NVSU, Bayombong, Nueva Vizcaya	College of Business Education	34
Training on Mushroom Production	January 26-27, 2018	Barangay Hall, Baresbes, Quezon, Nueva Vizcaya	College of Forestry-Bayombong Campus	29
Research Mentoring Program (Diagnostic Test)	January 26, 2018	Bambang National High School, Bambang, Nueva Vizcaya	College of Teacher Education-Bambang Campus	48
Training on Sexual and Asexual Propagation of Superior Mango Varieties	February 8-9, 2018	Amancio's Dairy and Produce Farm, Caquilingan, Cordon, Isabela	College of Agriculture and UEP Office-Staff	81
Integral Capacity Building-Food Processing	February 1-2, 2018	CBE Building, Business Incubation Center (Rm 102), NVSU, Bayombong, Nueva Vizcaya	College of Business Education	28
Diagnostic Test on Numerical Literacy	February 1, 2018	Bambang National High School, Bambang, Nueva Vizcaya	College of Teacher Education-Bambang Campus	241
Reading Enhancement Program/Planning	February 2, 2018	Lamo Elementary School, Dupax del Norte, Nueva Vizcaya	College of Teacher Education-Bambang Campus	19
Research Mentoring Program (Planning/Diagnostic Test)	February 6, 2018	Aritao National High School	College of Teacher Education-Bambang Campus	5
Munting Paaralan (Diagnostic Test on Reading)	February 7-9, 2018	Aritao National High School	College of Teacher Education-Bambang Campus	646
Diagnostic Test on Numerical Literacy	February 8, 2018	Bambang National High School, Bambang, Nueva Vizcaya	College of Teacher Education-Bambang Campus	231
Research Mentoring Program (Formulation of Topics)	February 9, 2018	Bambang National High School, Bambang, Nueva Vizcaya	College of Teacher Education-Bambang Campus	44

TITLE OF TRAINING	DATE	VENUE	RESPONSIBLE COLLEGE/UNIT	NUMBER OF TRAINEES WEIGHTED BY THE LENGTH OF TRAINING
Reading Enhancement	February 14, 2018	Lamo Elementary School, Dupax del Norte, Nueva Vizcaya	College of Teacher Education-Bambang Campus	25
Research Mentoring Program (Planning/Diagnostic Test)	February 15, 2018	Aritao National High School	College of Teacher Education-Bambang Campus	99
Reading Enhancement	February 21, 2018	Lamo Elementary School, Dupax del Norte, Nueva Vizcaya	College of Teacher Education-Bambang Campus	26
Integral Capacity Building-Food Processing	February 5-6, 2018	CBE Building, Business Incubation Center (Rm 102), NVSU, Bayombong, Nueva Vizcaya	College of Business Education-Bayombong Campus	41
Mushroom Training and Processing	February 19, 2018	Barangay Hall, Capisaan, Kasibu, Nueva Vizcaya	Mushroom Resources Research and Development Center	36
Training on Organic Fertilizer Production	February 24, 2018	Barangay Hall, Darubba, Quezon, Nueva Vizcaya	College of Agriculture-Bayombong Campus	27
Training on Organic Fertilizer Production, Plant Propagation and Plant Management	February 24, 2018	Barangay Hall, Bonfal East Quezon, Nueva Vizcaya	College of Agriculture-Bayombong Campus	27
Training-Workshop on Basic Electronics	February 26-27, 2018	Mungia National High School, Dupax del Norte, Nueva Vizcaya	College of Engineering-Bambang Campus	73
Basic on Dog Obedience Seminar and Training	February 27, 2018	College of Veterinary Medicine, NVSU, Bayombong, Nueva Vizcaya	College of Veterinary Medicine-Bayombong Campus	110
Training-Workshop on Basic Electricity	February 27-28, 2018	Salinas High School, Bambang, Nueva Vizcaya	College of Engineering-Bambang Campus	39
Training on Mushroom Production	March 2-3, 2018	Barangay Lactawan, Solano, Nueva Vizcaya	College of Forestry-Bayombong Campus	83
Training on Mushroom Production and Processing	March 5-6, 2018	Didipio, Kasibu, Nueva Vizcaya	Mushroom Resources Research and Development Center	45
Training on Community Nutrition, Bread and Pastry Production	March 2, 2018	Multi-Purpose Hall, Bonfal East, Bayombong, Nueva Vizcaya	College of Human Ecology-Bayombong Campus	20



TITLE OF TRAINING	DATE	VENUE	RESPONSIBLE COLLEGE/UNIT	NUMBER OF TRAINEES WEIGHTED BY THE LENGTH OF TRAINING
Training on Commercial Baking	March 3, 2018	Annex I, College of Human Ecology, NVSU, Bayombong, Nueva Vizcaya	College of Human Ecology-Bayombong Campus	13
Training on Upgraded Native Pig Production and Meat Preservation and Processing	March 5-6, 2017	Barangay Didipio, Kasibu, Nueva Vizcaya	College of Human Ecology and College of Veterinary Medicine-Bayombong Campus	25
Design, Fabrication, and Installation of Trash Bins	March 9, 2018	Barangay Calaocan, Bambang, Nueva Vizcaya	College of Engineering-Bambang Campus	10
Biogas Digester Technology Awareness/Dissemination	March 11, 2018	Paniki, Bagabag, Nueva Vizcaya	College of Agriculture-Bayombong Campus	20
Training on Commercial Baking	March 17, 2018	Annex I, College of Human Ecology, NVSU, Bayombong, Nueva Vizcaya	College of Human Ecology-Bayombong Campus	22
Training on Mushroom Production	March 17-18, 2018	Barangay Don Mariano Perez, Bayombong, Nueva Vizcaya	College of Forestry-Bayombong Campus	38
Basic Computer Literacy	March 19-20, 2018	Mungia National High School, Dupax del Norte, Nueva Vizcaya	College of Engineering-Bambang Campus	58
Organic Technology Training Improved Banana and Citrus Production	April 11-12, 2018	DENR Carrangalan, Nueva Ecija	College of Agriculture, CRRDC	32.5
Training on Yema Candy Making	April 19, 2018	DAR-College of Human Ecology	College of Human Ecology	7
Training on Shitake Production	May 15-17, 2018	DA-CHARM Ifugao	Extension and Training Program	52.5
Training on Shitake Production and Processing	June 5-6, 2018	Binogawan, Kasibu	Dr. Maribel S. Bacena Mr. Esmeraldo T. Razalan	47.5

TITLE OF TRAINING	DATE	VENUE	RESPONSIBLE COLLEGE/UNIT	NUMBER OF TRAINEES WEIGHTED BY THE LENGTH OF TRAINING
Training on Organic Agriculture	June 13-15, 18, 2018	DFTC, NVSU, Bayombong, Nueva Vizcaya	Dr. Blesila R. Ramos College of Agriculture faculty ( Dr. Valdez, Dr. Carreon , Dr Umaguinig, and Dr Pablo IViglesias, M Bacena, R Suriaga, E Razalan and Flora Joy B Garcia	45
Training on Food Processing	June 21-22, 2018		Dr. Elbert Sana Dr. Perlita Tiburcio Prof Florie Jean C, Vicente	37.5
Rice –based Integrated Farming System cum Climate SMART Farm Business School	Aug 28, 2018	Aurora, Quezon	College of Agriculture IViglesias M S Bacena F J B Garcia R.M. Suriaga MAO, Quezon	34
	Sept 4, 2018			28
	Sept 11, 2018			32
Rice –based Integrated Farming System cum Climate SMART Farm Business School	Sept 18 , 2018	Aurora, Quezon	Coll of Agriculture Manolo T. Valdez IViglesias MAO, Quezon MS Bacena F J Garcia	30
	Sept 25, 2018			30
Training On Sustainable Organic Vegetable Production	Sept 17 & 24	Barangay Muta	Kasibu and Extension program	50
	Sept 19 & 26, 2018	Cordon		50
		Papaya		50
	Sept 20 & 27, 2018	Antutot		50
Sept 21 & 28, 2018				
Seminar on Fasciolosis and other common Ruminants Diseases and presentation of results Surveillance of Fasciolosis in Region 02 Project	Sept 11, 2018	Isabela	College of Veterinary Medicine Melvin Allama Hiede Torio Liberty G. Torres	103

TITLE OF TRAINING	DATE	VENUE	RESPONSIBLE COLLEGE/UNIT	NUMBER OF TRAINEES WEIGHTED BY THE LENGTH OF TRAINING
Organic Vegetable Production Development Project for Sustainable Upland Communities (Land Preparation of actual concoctions)	Sept 24, 2018	Tubongan		30
	Oct 1, 2018	Balangabang		30
Bread and Pastry Production (Bambang)	Aug 6-9, 2018	Kayapa and Dupax del Norte	TESDA Dr. Marilou Luarean College of Technology	17.5
Training on Mushroom Production (College of Forestry )	Sept 9-10, 2018	Cordillera Alliance People Baguio City	College of Forestry Susan Osingat	20
Training on Mushroom Production	October 4-5, 2018	Ineangan, Dupax del Norte	Extension Unit / College of Agriculture	77.5
Training on the Package of Technology of Cacao Production	October 9, 10 & 11, 2018	Abad's Farm Magsaysay, Nueva Vizcaya	Extension Program	135
Training on Organic Vegetable	October 12, 2018	Pudi, Kasibu , Nueva Vizcaya	Extension Unit / College of Agriculture	20
Climate –Smart Farm Business School	October 9, 2018	Buyasyas, Sta Fe, Nueva Vizcaya	Extension Unit / College of Agriculture	75
Climate –Smart Farm Business School	October 16, 2018	Buyasyas, Sta Fe, Nueva Vizcaya	Extension Unit / College of Agriculture	73
Climate –Smart Farm Business School	October 23 , 2018	Buyasyas, Sta Fe, Nueva Vizcaya	Extension Unit / College of Agriculture	76
Training on Mushroom Production	October 25-26, 2018	Ineangan, Dupax del Norte	Extension Unit / College of Agriculture	77.5
Training on Bio gas Digester Operation and Management	Nov 6, 2018	Tubongan, Kasibu	College of Engineering	175
Training on Bio gas Digester Operation and Management	Nov 7, 2018	Bakir, Bagabag	College of Engineering	175
Climate –Smart Farm Business School	Nov 6, 2018	Buyasyas, Sta Fe, Nueva Vizcaya	Extension Unit / College of Agriculture	66
Training on Mushroom Production	November 6, 2018	Ineangan, Dupax del Norte	Extension Unit / College of Agriculture	30

TITLE OF TRAINING	DATE	VENUE	RESPONSIBLE COLLEGE/UNIT	NUMBER OF TRAINEES WEIGHTED BY THE LENGTH OF TRAINING
Training on Mushroom Production	November 7, 2018	Ineangan, Dupax del Norte	Extension Unit / College of Agriculture	30
Seminar-Workshop on Herbal Plant Classification and proper Utilization	November 9, 2018	Binogawan, Kasibu	College of Arts and Sciences	50
Climate –Smart Farm Business School	Nov 13, 2018	Buyasyas, Sta Fe, Nueva Vizcaya	Extension Unit / College of Agriculture	36
Skill Training on Salted Egg Making	November 29, 2018	San Antonio South, Bambang, Nueva Vizcaya		40
Training of Cooperative Development – Entrepreneurial	Nov 29, 2018	San Antonio Bambang, Nueva Vizcaya	College of Arts and Sciences ( Bambang)	40
Training Workshop on Basis Electricity	Nov 15-16, 2018	Salinas National High School	College of Engineering	118.75
	Nov 22-23, 2018	Salinas National High School		113.75
Training-Workshop on Microsoft Excel	Nov 28-29, 2018	Mungia National High School , Mungia Dupax del Norte	College of Engineering	46.25
Training – Workshop on CCTV Installation	Dec 6, 2018	Mungia National High School , Mungia Dupax del Norte	College of Engineering	61
Training-Workshop on Fire Alarm Control Panel	Dec 7, 2018	Mungia National High School , Mungia Dupax del Norte	College of Engineering	54
<b>TOTAL</b>				<b>4,618</b>

## VIII. SEMINARS, WORKSHOPS, AND TRAININGS ATTENDED/ PARTICIPATED

### Trainings Attended

To further improve the RDE capabilities and competencies of the University researchers, a RET personnel were sent to a Research Degree program and various RET personnel and faculty researchers from different colleges attended 46 trainings/workshops in international, national and local level.



### Degree Program

<i>Name of staff</i>	<i>Degree</i>	<i>Field of Specialization</i>	<i>University</i>	<i>Year</i>
<b>Sheena Lyn V. Ramos</b>	Diploma Program for Research in Education	Communication	Isabela State University	2018 -2019

### Non-Degree Program

<b>TITLE</b>	<b>PERSONS INVOLVED</b>	<b>DATE</b>	<b>VENUE</b>	<b>SPONSOR</b>
Planning Workshop	Blesila R. Ramos	January 20-22, 2018	DOST-PCAARRD, Los Banos, Laguna	DOST
DOST-TAPI's Technology Innovation for Communication (Technicom) Program Information Session	Sheena Lyn V. Ramos Flora Joy Garcia	Feb. 7, 2018	AIM-Dado Banatao Incubator Makati, Metro Manila	DOST-TAPI
FFS and FBS Orientation Training	Elbert A. Sana Flora Joy B. Garcia	February 13-14, 2018	Mango Suites, Santiago City, Isabela	DOST
Proposal Packaging Writeshop	Josue A. Chua	Feb. 27-28, 2018	OPITC, PCARRD, Los Banos Laguna OB	DOST-PCAARRD
Elsivier's Science direct and Scopus data base Orientation and Author writeshop	Ramon P. Bangao Jr.	March 15, 2018	Conference hall, CSU, Carig Campus Tuguegarao	DOST
CVIEERDEC Proposal Packaging Training Workshop	Engr. Sony P. Aquino Dr. Adorado C. Vergara Dr. Myrna B. Grospe Engr. Jayrus Jues D. Cadiente	Feb. 27, 2018 - March 1, 2018	CSU Andrews Campus, Tuguegarao	CVIEERDEC
CVAARRD Cluster workshop	Reynald A. delos Trinos Ramon P. Bangao Jr. Gina Leah A. Dizon	March 1-2, 2018	DA-CV RC, Ilagan City, Isabela	CVAARRD
Freedom to Operate (FTO) Training Workshop	Sony P. Aquino	March 6-7, 2018	Manila	DOST-TAPI

TITLE	PERSONS INVOLVED	DATE	VENUE	SPONSOR
NRCP Annual Scientific Conference and 85th General Membership Assembly	Jane D. Navalta Romulfo C. Sanchez Manolo T. Valdez	March 14, 2018	Philippine International Convention Center, Roxas Blvd., Pasay City	NRCP
Operational Planning of the Program Adoption to Climate Change through Entrepreneurship in Sustainable Aquaculture Shining for Mitigation Co-Benefits	Dr. Myrna B. Grospe Engr. Sony P. Aquino	March 19-20, 2018	Veijandel Hotel No. 70 Kalayaan Ave. Diliman	
Proposal conceptualization on the Agricultural Competitiveness Enhancement Fund (ACEF) R&D Grants	Ramon P. Bangao Jr. Jonar I. Yago	April 4-6, 2018	Sequoia, Mother Ignacio Avenue, Quezon City	DA-BAR
2 <sup>nd</sup> NIPS Public consultation on IPR	Blesila R. Ramos	April 5, 2018	Makati City	DOST
Workshop on Capsule Project Proposal Preparation regarding Expand	Flora Joy B. Garcia	April 5-6, 2018	ATI-RTC II San Mateo, Isabela	DA-ATI
HEIRIT Development Program for Starting TBI's	Blesila R. Ramos Cristina R. Salvosa	April 16-18, 2018	UP Diliman, Quezon City	DOST
Soybean review and planning workshop by DA-BAR and DA-RF02	Gayon P. Sarmiento	May 16-17, 2018	DA CVRC, Ilagan, Isabela	DA-BAR
Seminar Workshop on Enhancing the Research Thesis Writing Capability of Special Science School Teachers in Cordillera Administrative Region (Served as Resource Speaker)	Wilfredo A. Dumale, Jr.	May 25, 2018	Baguio City	DepEd
Training Workshop on Patent Search and Invention Spotting	Blesila R. Ramos	May 29-31, 2018	DOST-PCAARRD, Los Baños, Laguna	DOST-PCAARRD
1 <sup>st</sup> Regional Summit of Agricultural Extension Workers	Blesila R. Ramos Maribel S. Bacena Roel M. Suriaga Esmeraldo T. Razalan Imelda V. Iglesias	May 31, 2018	DA-ATI, Malasin, San Mateo, Isabela	DA-ATI
Technology Licensing Capacity Building	Blesila R. Ramos	June 7-8, 2018	Makati City	DOST-PCAARRD

TITLE	PERSONS INVOLVED	DATE	VENUE	SPONSOR
Agham Bayani: A DOST-UP Science Technology and Innovation Fest	Wilfredo A. Dumale, Jr.	June 20, 2018	PICC, Pasay City, Metro Manila	DOST
Training on NV-PGS Nueva Vizcaya Participatory Guarantee System	Rafael Lluís A. Morillo	June 22, 2018	Pasalubong Center and Livelihood Function Room, Magsaysay, Bayombong, Nueva Vizcaya	PLGU-NV
48th Annual Scientific Conference	Jonar I. Yago	July 2-7, 2018	La Piazza Hotel & Convention Center, Legazpi, Albay	
2018 National Science and Technology Week	Wilfredo A. Dumale, Jr.	July 17, 2018	World Trade Center, Pasay City	DOST
Seminar-workshop on agro-fisheries Modernization Act	Elbert A. Sana	July 18-19, 2018	Blue Coast Hotel, Sta. Ana, Cagayan	ATI
Workshop on Capsule Proposal Preparation	Imelda V. Iglesias Flora Joy B. Garcia	July 22-23, 2018	DA-ATI RTC II, San Mateo Isabela	ATI
6 <sup>th</sup> National Congress and 2018 Philippine Agriculture Summit	Roel M. Suriaga Maribel S. Bacena Blesila R. Ramos Ezmeraldo T. Razalan	July 23-25, 2018	Lahug, Cebu City	
3rd International Research, Development and Extension (RDE) Management Congress and 28th National PHILARM Convention	Wilfredo A. Dumale, Jr.	July 31 – August 3, 2018	Crown Regency Residences, Cebu City	PHILARM
Updates on Philippine Research Ethics	Sheena Lyn V. Ramos  Alvin B. Felix  Ma. Rouselle Jandoc  Lorna Dumale	August 7, 2018	CAP Convention, Camp John Hay, Baguio City	PNHRS
ASEAN Connect 2018 (One ASEAN, One Network, One Framework: A Forum on Higher education 2018)	Imelda V. Iglesias	August 8-10, 2018	Novotel Resorts & Hotel, Araneta Center, Cubao, QC	
Seminar on Research Writing and Publishing	Faculty and Staff	August 10, 2018	NVSU Mini – Theater, Bayombong, Nueva Vizcaya	NVSU

TITLE	PERSONS INVOLVED	DATE	VENUE	SPONSOR
Seminar on Inbred Rice Seed Production	Ferdinand Arcala	August 14-17, 2018	San Mateo, Isabela	
Proposal Writeshop For The National Tech Commercialization Program	Elbert A. Sana	August 13-17, 2018	El Ceinto, Los Baños, Laguna	DA-BAR
Regional Science and Technology Week	Wilfredo A. Dumale Jr Jonar I. Yago Sheena Lyn V. Ramos	August 13, 2018	Gonzaga, Cagayan	DOST
2018 IP Master Class Seminar Series for IP-TBM Project Implementation of DOST-PCAARRD Funded Program/Project	Blesila R. Ramos Sony P. Aquino	September 4-7, 2018 October 2-5, 2018 November 6-9, 2018 December 3-7, 2018	DOST PCAARRD Innovation and Technology Center (DPITC), Los Baños, Laguna	DOST PCAARRD
Seminar-Workshop on “Records Counter Disaster Preparedness & Business Continuity”	Caroline P. Angeles Arsenia G. Tumaliuan Roel Suriaga	September 18-20, 2018	Mallberry Suites Business Hotel, Robinsons Mall, Linketkai Center, CDO	NAP
Seminar on Gaddang Orthography (requirement for the approved KWF research project)	Maria Rouselle G. Jandoc Denny Jamil	September 17-21, 2018	Bagabag, Nueva Vizcaya	KWF
Livestock Inspector Training	Jundy Martin	September 25, 2018	Capitol Plaza Hotel and Resto	
2018 Asian Agriculture Summit	Dr. Andres Z. Taguiam Wilfredo A. Dumale, Jr. Imelda V. Iglesias Maribel S. Bacena Reynald delos Trinos Liberty G. Torres	October 1, 2018	Pasay City	DA
SOP Workshop Cum Evaluation of On-going Projects	Gina Leah A. Dizon	October 9-11, 2018	DOST 02, Carig Sur, Tuguegarao	DOST
27TH Annual Philippine Biodiversity Symposium	Mr. Noel Cardona	October 16-20, 2018	Pampanga State Agricultural University, Pampanga	BCSP
1ST International Research Conference on Local Knowledge and Indigenous Studies	Dr. Alicia Sapao	October 24-27, 2018	University of Saint Louis, Tuguegarao City	Center for Social Innovation



TITLE	PERSONS INVOLVED	DATE	VENUE	SPONSOR
2 <sup>nd</sup> PAEPI International Conference and 6 <sup>th</sup> Biennial Convention with the theme “ Optimizing Public Private Partnership in Community Engagement for Inclusive Growth and Sustainable Development”	Imelda V. Iglesias Flora Joy B. Garcia Roel M. Suriaga Maribel S. Bacena Esmeraldo T. Razalan	November 14-16, 2018	JAPI Hotel, Cauayan City	PAEPI, DA, CHED, LGU
29th CVAARRD Regional Symposium on Research, Development and Extension Highlights (RSRDEH)	Wilfredo A. Dumale, Jr. Jonar I. Yago Sheena Lyn V. Ramos Ramon P. Bnagao, Jr. Caroline L. Angeles Arsenia G. Tumaliuan Rafael Luis F. Morillo Adornado Vergara Sony Aquino Elbert A. Sana Mark Allen Razalan	November 12-13, 2018	San Felipe, Ilagan City, Isabela	CVAARRD
Techno-Gabay Summit 2018	Imelda V. Iglesias Maribel S. Bacena	November 22-23, 2018	ATI RTC II, San Mateo, Isabela	ATI
Training on Enhancing the Capacity on NCRRDN Researchers on the Science of R & D Management	Gayon P. Sarmiento	November 26-29, 2018	Paragon Hotel & Suites, Baguio City	DOST
Training on Research Design & Statistical & Financial Analysis for the Agricultural Resources Management Sector	Jessie Pascual Bitog	December 4-7, 2018	Los Baños, Laguna	DOST

## IX. PUBLICATIONS

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

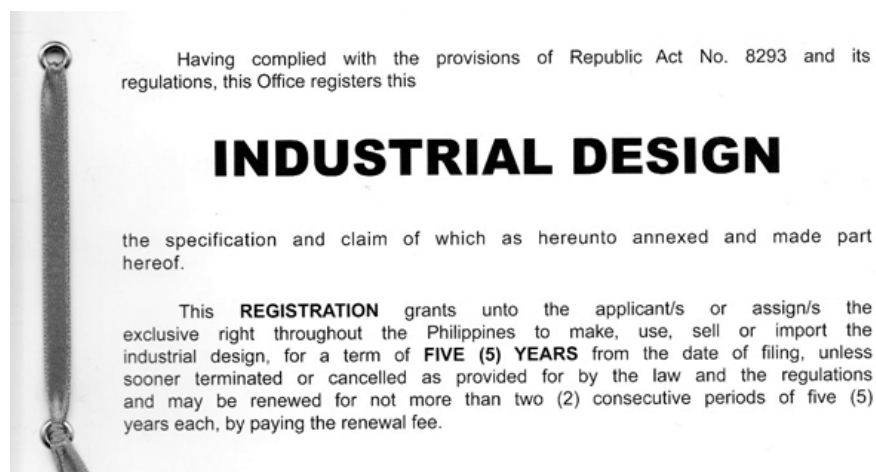


TITLE	AUTHOR	JOURNAL / VOL. / ISSUE NO. / ISBN_ISSN_DOI	DATE OF PUBLICATION	PUBLISHER
<b>INTERNATIONAL</b>				
Biodiversity Assessment and Functions of Secondary Forest Ecosystems in Eden and Dibidi, Quirino, Philippines	Ryan P. Manuel, Romnick L. Pascua, Joel G. Carig, Elizabeth T. Carig	Print ISSN 2094-5019 • Online ISSN 2244-0461	January 2018	Asian Journal of Biodiversity
Assessment of Research Faculty Development Program Efficacy in Writing Research Proposals	Marlon U. Saludarez	Vol 4 no.5	July 2018	International Research Journal of Management, IT & Social Sciences
A Classroom-Based Study to Address the Areas of Difficulty in Doing an Action Research	Cajimat, Rodney T; Orleans, Antriman V	Volume 24, pp. 7904-7907(4)	November 11, 2018	American Scientific Publishers
Factors Affecting the Implementation of Science Investigatory Projects and Its Implications to the National Science and Technology Fair	Errabo, Denis Dyvee; Cajimat, Rodney; Orleans, Antriman	Volume 24, pp. 7885-7889(5)	November 11, 2018	American Scientific Publishers
Multi-Perspective Valuation of Gender and Development Highlights in Creative Articles of "Kasarian"	Jennifer Raymond R. Tallungan, Girlie F. Salas, Lloyd Geoffrey R. Quiben, Andres Z. Taguiam		June 2018	The 7th ICADA 2018-SSIS
Reading Attitude and Technological Proficiency: Wellhead of Academic Achievement in English?	Jennifer Raymond R. Tallungan, Wilhelmina C. Bullecer, Eva Liza D. Basconillo, Andres Z. Taguiam		June 2018	The 7th ICADA 2018-SSIS
Verbal Outcomes Improvement Through Competency Enhancement (Voice) Learning Program	Jennifer Raymond R. Tallungan, Eva Liza D. Bacocillo, Andres Z. Taguiam		June 2018	The 7th ICADA 2018-SSIS
<b>NATIONAL</b>				
Physiological Responses, Cortisol Level and Analgesia in Goats Subjected to Exploratory Laparotomy Under Acupuncture and Regional Analgesia	Jessica M. Cadoy and Jezie A. Acorda	55(1): 35-44, 2018	April 2018	Philippine Journal of Veterinary Medicine

TITLE	AUTHOR	JOURNAL / VOL. / ISSUE NO. / ISBN_ISSN_DOI	DATE OF PUBLICATION	PUBLISHER
<b>NATIONAL</b>				
Endemic Fungal Disease Involved in Anamorph Reproduction in Citrus Cultivars in Malabing Valley, Kasibu, Nueva Vizcaya	Jonar I. Yago, Jim Andreus V. Mangahas, JR G. Valdez, Jo-Eliz M. Gonzales, Elbert A. Sana, Josephine L. Namujhe	Vol. 43	July 2018	The Philippine Journal of Crop Science
Vermicomposting Using Three Invasive Aqua Terrestrial Plant Species	Yolina T. Castañeto	ISSN No, 2449-4178	May 18, 2018	Philippine Society for the Study of Nature, Inc
Physico-Chemical, Biological and Anthropogenic-Related Attributes of Cagayan River Sub-tributaries in Nueva Vizcaya, Philippines.	Jessica M. Cadoy and Jezie A. Acorda		2018	Philippine Journal Of Veterinary Medicine
Multiple Resistance to Medically Important Antimicrobials of Commensal Escherichia coli Isolated from Dressed Broiler Chickens in CALABARZON, Philippines	Haidee E. Torio and Mildred A. Padilla		2018	Philippine Journal Of Veterinary Medicine

## X. PATENTS

There were a total 27 technologies with issued patents certificates this year.



**LIST OF INDUSTRIAL DESIGNS WITH ISSUED CERTIFICATES THIS 2018**

<b>PROPONENT</b>	<b>PATENT NUMBER</b>	<b>DATE OF ISSUE</b>	<b>NAME OF COMMERCIAL PRODUCT</b>
Angelito D. Agrimor	32017001037	7/6/2018	MANGO FRUIT BAGGER
Ruben P. Soriano	32015000297	6/22/2018	PORTABLE SQUEEZE CHUTE
Leonilo A. Acosta	32013001070	3/20/2018	DESIGN FOR AN AM RADIO RECEIVER TRAINER
Dorothy P. Pagbilao	32017001036	7/6/2018	PIGLET FEEDING CRATE
Jyrus Jyles D. Cadiente	32017001034	7/6/2018	SINGLE ROTOR SHREDDER
Arnulfo W. Maur	32017001032	7/6/2018	STEEL BAR BENDERS
Quipo, June C., Decano, Cristina S., Guimpatan, Cenia L., Nicolas, Princess Kea	32017001030	7/9/2018	BIOMASS SHREDDER
Frankie M. Ramos	32017001026	6/29/2018	PORTABLE STIRRUP BENDER
Sony P. Aquino	32017001029	7/27/2018	PNEUMATIC GRAIN COLLECTOR
De Jesus, Jeronimo L., Cudia, Rodel M.	32017001015	7/27/2018	SOLDERING IRON HANDLE
Quipo, June C., Digma, Romara C., Agamas, Rosalinda H.	32017001042	7/6/2018	MUSHROOM SUBSTRATE BAGGER
Ronnie F., Abon, Joel T., Gabatino, Bryan B., Magno, Roman Angelo C., Garma, Michael Francis C., Sanchez, Romulfo C.	32017001041	7/6/2018	TABLE
Adornado C. Vergara	32017001040	7/6/2018	TRAILED ANAEROBIC BIO-DIGESTER
Lenardo R. Fronda	32017001038	7/6/2018	ROUND CAKE ICING SPREADER
Soriano, Ruben P., Quipo, June C.	32017001035	7/6/2018	GUN TYPE POLE INJECTOR
Sanchez, Romulfo C., Corpuz, Demetria A., Gahate, Revilyn M., Laguit, Krizzle May U., Sanchez, Elenita C., Tominez, Bonimar A., Pascua, Juanita B., Gamurot, Jenny Grace E., Moreno, Meylanie S., Navalta, Jane D., Cablinan, Alma Bella G., Castro, Lhea T.	32017001027	7/27/2018	HANGING ORGANIZER
Sanchez, Romulfo C.   De Jesus, Jeronimo L.   Cudia, Rodel M.   Directo, Judy M.   Acosta, Leonilo A.   Gumilet, Gail G.   Memita, Jerwin F.   Oligario, Dongpan Crusaldo P.   Passion, Jonathan P.   Tumaneng, Elson Boie B.   Magday, William Jr., D.	32017001025	7/27/2018	DIVIDER
Quipo, June C.	32017001019	7/25/2018	CORN STALKS GASIFIER STOVE
Ruben P. Soriano	32017000932	4/3/2018	FOLDABLE ARTIFICIAL INSEMINATION CHUTE
Maur, Arnulfo W.   Esteban, Jomar B.	32017001039	7/6/2018	MULTI-PURPOSE DRAWING TABLE
Agrimor, Angelito D.   Cadiente, Jyrus Jyles D.   Bitog, Jessie Pascual P.   Lictawa, Glaizalyn B.   Tampo	32017000280	8/30/2018	MECHANICAL FRUIT GRADER FOR MANDARIN

PROPONENT	PATENT NUMBER	DATE OF ISSUE	NAME OF COMMERCIAL PRODUCT
Bantasan, George W.	32017001033	7/6/2018	BRAKE DRUM -AXLE IMPACT DRIVE PULLER
De Jesus, Jeronimo L.   Cudia, Rodel M.	32017001031	7/6/2018	SOLDERING STATION OPERATING ON A 12 DCV POWER SUPPLY
Espiritu, Florito L.   Sabungan, Andres M.   Luis, Darwin S.   Espiritu, Norbert John H.	32017001022	7/27/2018	POST HARVEST MACHINE FRUIT CLASSIFER FOR MANGO, DRAGON FRUIT AND MANDARIN
Espiritu, Florito L.   Sabungan, Andres M.   Luis, Darwin S.   Espiritu, Norbert John H.	32017001043	7/6/2018	POST HARVEST MACHINE FRUIT GRADER (MANGO, DRAGON FRUIT AND ORANGES)
Michael Roque Lacan	N-2018-00905	Issued 9/17/2018	Lucky POS by Lucky Soft A point of Sale Class N Computer Program, Software, Game application
Sony P. Aquino	22011000434	9/14/2018	ANAEROBIC DIGESTER (PATENT)

#### LIST OF INTELLECTUAL PROPERTY ASSETS UNDER ONGOING EVALUATION

NAME OF INVENTOR	NAME OF PRODUCT/INVENTION	DATE REGISTERED	APPLICATION NUMBER
<b>PATENTS</b>			
Sony P. Aquino	Biogas Digester	9/07/2018	3220180521560
<b>INDUSTRIAL DESIGN</b>			
Sony P. Aquino	Biogas Digester	9/19/2018	32018000868
Willie Duldulao & Fitzgerald Fabelico	Compact Biomass Shredder	10/19/2018	32018001055
Frankie Ramos & Joel C. Toon	Essential Oil Extractor	10/19/2018	32018001056
Joel Toon	Corn Cob Remover	10/19/2018	32018001057
Willie Duldulao & Fitzgerald Fabelico	Power Diesel Hammer Mill	10/19/2018	32018001054
Willie Duldulao & Fitzgerald Fabelico	Horizontal Feed Mixer	10/19/2018	32018001053
Angelito D. Agrimor	Mechanical Calamansi Juice Extractor	Industrial Design	32017001023
Rogelio A. Abalos	Cylindrical Tube Bender	Industrial Design	32017001014
Willy C. Duldulao	Multi-purpose Sorter	Industrial Design	32017001028
Joel C. Toon Frankie M. Ramos	Multi-purpose Working Table	Industrial Design	32017001024
Joel C. Toon	LPG Fueled Heat Treatment Furnace	Industrial Design	32017001021
<b>UTILITY MODEL</b>			
G.L.Dizon	A Composition of Ginger -Turmeric Wine - UM	10/19/2018	22018001231
G.L.Dizon	A Process of making Ginger – Turmeric Wine	10/19/2018	22018001234

NAME OF INVENTOR	NAME OF PRODUCT/INVENTION	DATE REGISTERED	APPLICATION NUMBER
<b>UTILITY MODEL</b>			
Frankie Ramos & Joel C. Toon	Essential Oil Extractor	10/19/2018	32018001233
Joel Toon	Corn Cob Remover	10/19/2018	32018001232
<b>COPYRIGHT</b>			
Jeremy B. Collado, Sony P. Aquino, Jessie Pascual P. Bitog	Spiral-Paddled Type Water Wheel	9/2018	02018723
Cenia S. Decano & June C. Quipo	Biomass Shredder	9/2018	02018724
June C. Quipo	Mushroom Substrate Bagger	9/2018	02018725
Sony Aquino	Development of Anaerobic Digester	9/2018	
<b>TECHNOLOGIES ASSISTED BY DOST -TAPI FOR IPR APPLICATION</b>			
Marites M. Fronda Patricia B. Madero	A Process Of Producing Tomato (Lycopersicon Esculentum) Powder From Tomato (Diamante) Fruits And The Products Derived There of	February 2018 (date assisted)	None yet
Marites M. Fronda Patricia B. Madero	Process of Producing Squash Powder from Squash fruit Malandi (Cucurbita maxima) and the Products Derived Thereof	February 2018 (date assisted)	None yet
Rafael Luis F. Morillo Vernalyn A. Morillo	Gamma-Irradiated Carangeenan Extracts as Performance Enhancer in Broiler Chicken Formulation of Fungal Entomopathogen Isaria fumosorosea (WIZE) Brown and Smith as Bioinsecticide Against Cucurbit Leafworm Diaphania indica Saunders in Cucumber	February 2018 (date assisted)	None yet
Jonar I. Yago, Elmerito T. Irabagon, Ferdinand B. Arcala, Jim Andreus Mangahas, Jo-Eliz Gonzales and Lori Shayne Busa	Liquid Formulation of Fungal Entomopathogen Beauveria bassiana as Bio-Control Agent	February 2018 (date assisted)	None yet

#### XI. TECHNOLOGY FORUM AND EXHIBITS

The University continuous to commit in promoting its technologies as marked by the participation of the RET program in different technology fora/exhibits in the country this year. It has established its niche in the citrus and mushroom industry, as these were the major commodities showcased in these various exhibits.

TITLE OF ACTIVITY	DATE & VENUE
CVAARRD Munggo FIESTA	May 7-10, 2018 San Mateo, Isabela
CHED 24 <sup>th</sup> Anniversary	May 15 - May 18, 2018 CHED, Quezon City
AgriTrade Fair of Ammungan Festival	May 23 -25, 2018 Provincial Capitol, Bayombong, Nueva Vizcaya
Annual DA BAR National Technology Forum: <i>14th Agriculture &amp; Fisheries Technology Forum &amp; Product Exhibition</i>	August 30 -September 2, 2018 Megamall Megatrade Hall 2 in Mandaluyong City, Metro Manila
DOST Regional Science and Technology Week	August 14 -18, 2018 Gonzaga, Cagayan
Citrus FIESTA S&T Exhibit	September 13 -14, 2018 NVSU

## XII. OTHER RET HIGHLIGHTS

### 1. NVSU HOSTED CVAARRD'S CITRUS FIESTA

The Cagayan Valley Agriculture and Aquatic Resources Research and Development Consortium (CVAARRD) conducted a two-day Farms-Industry Encounters through Science and Technology Agenda, with Nueva Vizcaya State University as the host institution.

The FIESTA kicked off with a Zumba and motorcade at Nueva Vizcaya Sports Complex and the Opening Ceremonies and Press Conference at Capitol Convention Center.

The S&T Exhibit featuring different products of the CMI's highlighting the citrus products and technologies was opened through a ribbon cutting. A Student Agripreneurship was also conducted in the afternoon.

In the evening, CMI's were gathered through a Fellowship Night, which also showcased the rich culture of Nueva Vizcaya.

On the final day, delegates of the FIESTA visited the different citrus farms during the appreciation tour held at Malabing, Kasibu, Nueva Vizcaya.



The appreciation tour was one of the highlights of the Citrus FIESTA; amidst the heavy rain caused by Typhoon Ompong, the guests still pushed through in visiting the citrus farms in order to experience 'Fiesta in the Valley'.

The citrus farmers were also recognized during the Farmer's Forum held at the MVMPC Training Center, led by Prof. Fortunato T. Dela Pena, Department of Science and Technology (DOST) Secretary.

An Investment Forum was also conducted in the afternoon to present opportunities to farmers.

Simultaneously, various competitions including the cooking contest, dessert-making contest, poster-making contest, essay writing contest and battle of the brains for the students were held at NVSU.

The fiesta was concluded with the awarding ceremony attended by the participants and winners of the different contested activities.



## 2. NVSU CONDUCTED 15th IN-HOUSE REVIEW

The NVSU RET program conducted its 15th University In-House Review of Completed, On-going and New Project Proposals last September 27-28, 2018. As a result, there were 26 on-going and 26 completed papers reviewed, divided into 4 categories: Research, Development, Higher Education and Social Sciences Category. Further, proposals were also presented to evaluators for possible institutional funding. This activity is part of the program's annual Monitoring and Evaluation of the RDE activities.



## 3. DOST - PCIEERD'S HEIRIT PROGRAM

As part of the NVSU's admission to the Higher Educational Institution Readiness for Innovation and Technopreneurship (HEIRIT) Development Program of the Department of Science and Technology - Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD), the HEIRIT team conducted a site visit to discuss the deliverables of the program and visited the centers and technologies of the University last March 1, 2018. Series of trainings were also conducted to the TBI managers of the institutions in preparation for the HEIRIT program. These trainings were attended by Dr. Cristina Salvosa, TBI Manager and Dr. Blesila Ramos, ITSO officer





### XIII. EXTENSION PROJECT UPDATES

#### 1. Mushroom Resources Research and Development Center

- Training conducted
  - Training on Mushroom Production and Processing at Capisaan, Kasibu, Nueva Vizcaya, 30 pax.
  - Training on Mushroom Production and Processing at Didipio, Kasibu, Nueva Vizcaya, 35 pax
  - Training on Livelihood for Community-Based for Sustainable Enterprise at Binogawan, Kasibu, Nueva Vizcaya, 30 pax.
  - Training on Shiitake Production, May 15-17, 2018 at Bahawit Nursery, Lagawe, Ifugao, 35 pax.
  - Training on Shiitake Processing, October 18, 2018 at Binuangan, Dupax del Norte, Nueva Vizcaya, 35 pax.
  - Training on Shiitake Processing, October 19, 2018 at Kayapa, Nueva Vizcaya, 35 pax.
  - Participated in the DA-BAR 14th Agriculture and Fishery Technology Forum and Product Exhibition on August 28 – September 2, 2018.
- Paper presentations: The following are the list of extension projects presented in various fora.



#### Institutional

- Commercialization of Shiitake Production and Product Development in Nueva Vizcaya during the 15th University In-House Review, September 27 – 28, 2018.
- Capacitating Communities on Mushroom Production, 15th University In-House Review on September 27 – 28, 2018.



#### National

- Shiitake Mushroom Farming in the Uplands of Nueva Vizcaya: Balancing Economic and Environmental Outcomes during the 6th National Congress and Philippine Agriculturist Summit on July 23 – 25, 2018, Waterfront Hotel, Lahug, Cebu City.

#### International

- Capacitating Communities on Mushroom Production, during the 2nd PAEPI international Conference and 6th Biennial Convention on November 14-16, 2018 at JAPI Hotel, Cauayan City, Isabela.
- The center was able to generate a total amount of P66,095.00 through its sales from mushroom spawns and yields.



## 2. Agricultural Education Outreach Project (AEOP)

- Agricultural Education Outreach Project Student Assistance Fund (AEOP-SAF II)
- A total of 10 clients (9 faculty & staff and 1 student) availed the AEOP-SAF II loan for various purposes. The total amount loaned ranged from Php 5,000.00 to Php 30,000.00 and totaled to Php 225,0000.

## 3. Agricultural Education Outreach Project (AEOP) Nursery

- A total of 741 seedlings of various fruit trees were sexually/asexually propagated through sales of seedlings and fresh fruits, the project generated an income amounting to PhP 3,780.00.
- The nursery project was able to produce a total of 7,574 planting materials of high valued fruit trees. These were produced in sexually or asexually. Income generated from the sale of the planting materials amounted to P52,255.00.

No	Particulars Asexual and Sexual Propagation )	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1	Rambutan	394	20	105	4,911
2	Longan	297		58	45
3	Lanzones	20		16	28
4	Guyabano	30	50		
5	Pummelo			27	67
6	Marang	298	298	108	324
7	Durian			2	
8	Calamansi	100	100		
9	Mango	83	83		
10	Jackfruit	30	30		
	<b>Total</b>	<b>1,252</b>	<b>581</b>	<b>316</b>	<b>5,375</b>

**AEOP Total Sales for April-June = P 14,360.00**

In the Orchard project, there are fruits of avocado, rambutan, lanzones and durian were harvested. Total sales generated from the fruits amounted to P89,650. data is presented on the table below

	July	August	September	Total
Avocado	43			43
Rambutan	158	529	285	972
Lanzones			24	24
Durian	3	20		23
Total ( kg)				1,062
Total Sales from Fruits (Php)	<b>1,080</b>	<b>38,770</b>	<b>20, 900</b>	<b>70,540</b>
<b>Total sales from fruits and seedlings</b>				<b>89,650.00</b>

## Other Updates

- Two (2) extension operational plans were approved for implementation during the 2<sup>nd</sup> quarter

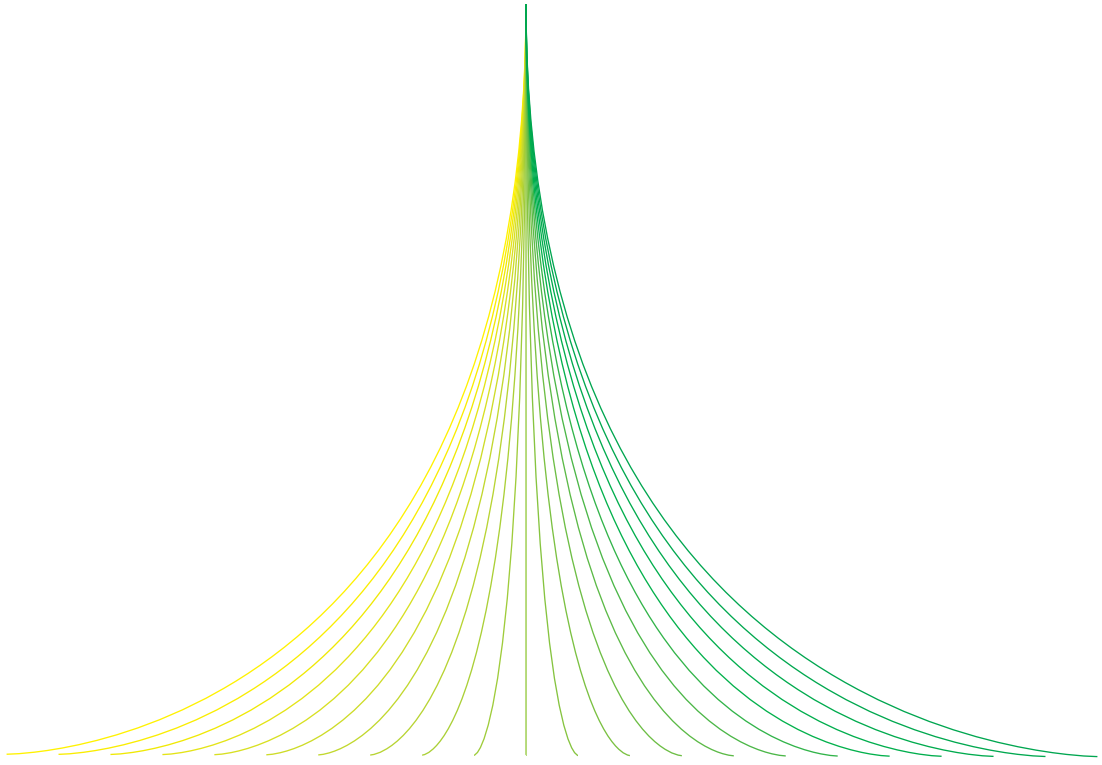
No.	Title of Extension Project	Implementing Entities	Target Participants
1	Bioenergy Generation and Utilization in the Province of Nueva Vizcaya	College of Engineering-Nueva Vizcaya Climate Change Center, NVSU-University Extension Program, Nueva Vizcaya Provincial Agriculture Office, Partner MLGU's, Partner BLGU's, and People's Organization	Swine Raisers in the target barangays in the Province of Nueva Vizcaya
2	Pangkabuhayang Training Program sa Baryo	NVSU-College of Human Ecology, Extension Program, Partner MLGU's and BLGU's, People's Organization. TIBIK Organization, DTI, DOST	RIC group, Women's Association, Recipients of 4P's mothers, Home makers, Out of School Youth, Members of Association

For the year, there were three adopters of the Biogas Digester Technology assisted by the College of Engineering thru their Extension Program. Adopters are listed on the table below:

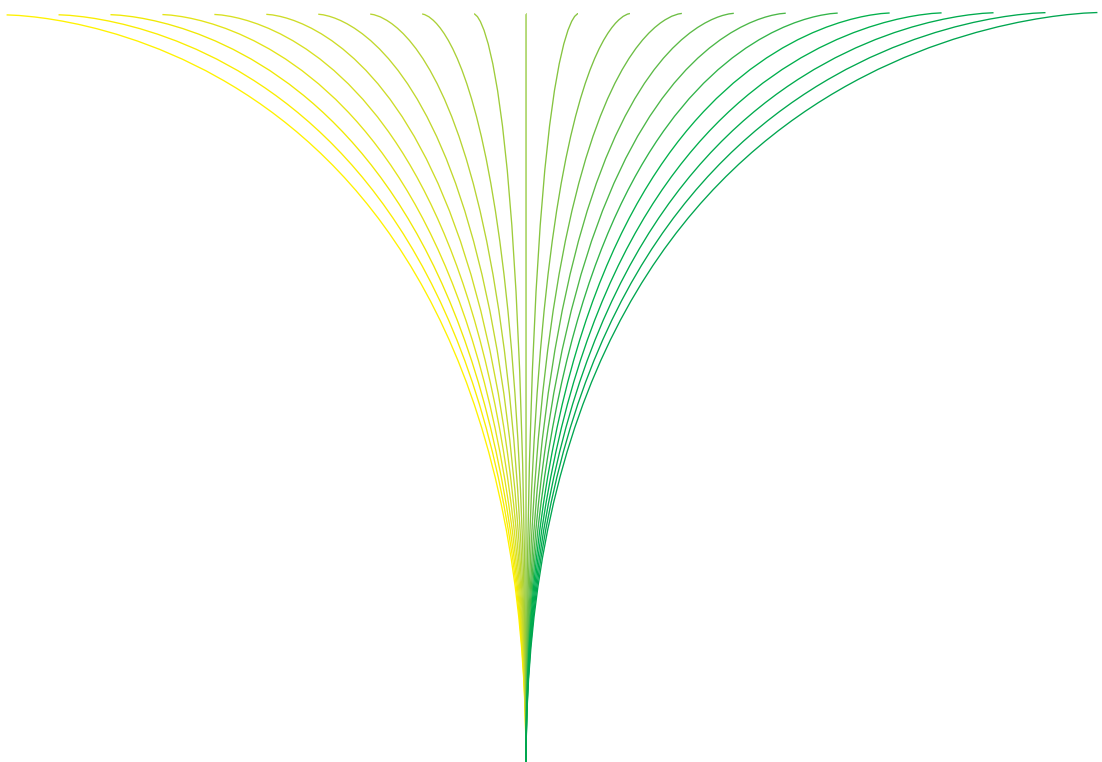
Adopter	Location
1. Shirley Gutierrez	Construction of 2.0 m <sup>3</sup> NVSU model biogas digester Aggub, Solano, Nueva Vizcaya January 2018
2. Anastacio Tomas Jr.	Construction of 2.0 m <sup>3</sup> NVSU model biogas digester Luyang, Bayombong, Nueva Vizcaya February 2018
3. Xcida Quines	Construction of 2.0 m <sup>3</sup> NVSU model digester Inaban, Dupax del Norte March 2018

Shiitake mushrooms is one of the flagship commodity promoted by the Mushroom Development Center of the Extension Program. There are adopters of the technology as presented on the table below:

Name of Adopters	Location	Crops
1. Edward Salawad	Kayapa, Nueva Vizcaya	Shiitake and organic vegetables
2. Andres Osting	Pangawan, Kasibu Nueva Vizcaya	Shiitake, carrots, beans
3. Jaime Gayad	Besong, Kayapa, Nueva Vizcaya	Shiitake, carrots & beans
4. Mario Williams	Binuangan, Belance Dupax del Norte	Ginger, Shiitake beans
5. Dortes Basay	Binuangan, Belance Dupax del Norte	Ginger, Shiitake beans



**GENERAL  
ADMINISTRATION AND  
SUPPORT SERVICES**



## SUC LEVELLING ENDEAVOR

One of the highlights of year 2018 accomplishments is the university's eventual attainment of SUC Level IV as granted by the Commission on Higher Education. From the Four Key Result Areas (KRA's), NVSU was evaluated and scored a **total points of 35.2125 equivalent to SUC Level IV**.



CHED announces the publication of CHED Memorandum Order No. 12 s. 2018 entitled "2016 SUC Levelling Results, SUC Levelling Benefits, and SUC Levelling Appeal Procedures" on August 20, 2018 in the Official Gazette of the Republic of the Philippines.

## The Physical Performance of the University

**Support to Operations (STO).** The University targeted to acquire a QMS Certification for 2018. Hence, it worked for the ISO 9001:2015 certification of the GASS where 92 processes passed the 1<sup>st</sup> and 2<sup>nd</sup> level audits made by a third party ISO auditor. The ACS United States W3 Solutionz audited these processes on January 24-25, 2018. As a result of the concerted efforts of the university officials and employees, the NVSU-GASS now holds an ISO 9001:2015 Certificate.



It is also noteworthy to mention that the targeted percentage of students and personnel who rated non-academic related services (library medical/dental, guidance and IT services) as good or better was attained. This is an indication that the University maintains quality service to its clientele. However, the University will continue to take actions in order to enhance its services, so that in the years to come, a 100% accomplishment on its target on STO will be attained.

	FY 2018	2018 ACTUAL	FY 2019	FY 2020
Particulars	TARGET	ACCOMPLISHMENT	TARGET	TARGET
<b>SUPPORT TO OPERATIONS (STO)</b>				
<b>2018 Budget: P9,432,839.00</b>				
1. QMS Certification by any international organization approved by the Inter-Agency Task Force or ISO 9001:2015 aligned QMS documents.	100%	100%	100%	100%
2. Percentage of students and personnel who rated non-academic related services (e.g. library services, medical/dental services, guidance services, ICT services, etc.) as good or better.	99%	99%	100%	100%

**Budget Utilization Rate (BUR) and Public Financial Management Reporting Requirements of the Commission on Audit (COA) and the Department of Budget and Management (DBM).** The actual performance of the University in terms of its BUR surpassed its targeted performance of 89% to an actual performance of 92.98%. However, the actual percentage disbursements of the BUR was low due to the limited number of full time technical experts employed in the university who prepare and implement funded infrastructure projects. This slowed down the process of the disbursements.

In terms of the public financial management reporting requirements of COA and DBM, all were 100% accomplished. This is a manifestation of the efficiency of the University in the submission of financial related reports to these agencies.

GENERAL ADMINISTRATION & SUPPORT SERVICES	FY 2018 TARGET	2018 ACTUAL		
2018 Budget: P68,866,832.00				
<b>1. Budget Utilization Rate:</b>				
(a) Obligation BUR	89%	92.98% (103,252,243.00/ 111,052,654.00)		
(b) Disbursements BUR	90%	49.43%(51,035,377.00/103,252,243.00)		
<b>2. Public Financial Management reporting requirements of COA and DBM:</b>				
(a) Budget and Financial Accountability Reports (BFARs)	100%	100%	100%	100%
(b) Report on Ageing Cash Advances	100%	100%		
(c) COA Financial Reports	100%	100%	100%	100%
(d) APCPI	100%	100%	100%	100%
(e) Submission of APP	100%	100%	100%	100%

## The GASS Personnel

The GASS is composed of 187 (33% of the total manpower) strong workforce tasked to support the academic, research, extension, development and production functions of University. As such, through the concerted efforts of the personnel in each of the GASS divisions, great accomplishments were carried out during the year in review.

## Human Resource Management

**a. Human Resource Management (HRM) Processes and Systems.** Noteworthy accomplishments of this division were as follows:

- Complied with the requirements to maintain its Level II Accreditation on the Program to Institutionalize Meritocracy and Excellence in Human Resource Management (PRIME-HRM).
- Completed the Handbook on Equal Opportunity Plan and was approved by the Board of Regents (BOR) on October 16, 2018. The contents of the handbook include guidelines on equal

opportunity plan (EOP) for recruitment, selection and placement (ESP), equal opportunity plan on performance management (EOPPM), and equal opportunity plan for rewards and recognition (EOPRR).

- Crafted the guidelines of Anti-Sexual Harassment Act of 1995 in collaboration with the Legal Affairs Office of the University as a requirement under Republic Act No. 7877 or the Anti-Sexual Harassment Act of 1995.
- Developed an electronic profile system called Talents e-Profile. This facilitated the migration of data from MS Excel to the web-based system of all applicants in the last two years was done. This will facilitate the search for possible candidates when vacant positions are available or when approved request for hiring contract of service workers is forwarded to the office for action.

## b. Capability Enhancement of Non-Teaching Personnel

Non-teaching personnel are given opportunity to enhance their capabilities and skills and likewise to acquire new knowledge and trends in their respective specializations. Below shows the data on the extent of the personnel's attendance to trainings/seminar-workshops/fora and conferences.

Campus	National	Regional/Zonal	Local
Bayombong Campus	70	10	99
Bambang Campus	65	8	76

## Administrative Services

The Administrative Services in order to facilitate various functions and responsibilities developed the following:

- A Handbook on NVSU Awards and Incentives, approved by the BOR on October 16, 2018. The handbook has the following contents:
  - NVSU-PRAISE (arranged BOR-approved old version)
  - Implementing Guidelines of the NVSU-PRAISE for Non-teaching Personnel
  - Implementing Guidelines on Outstanding Accomplishments in Research and Extension (Arranged BOR-approved old version)
  - Criteria for Students (Arranged: taken from the Student Handbook)
- NVSU Learning and Development Program (Policies and Guidelines). This was used and presented as component of the PRIME-HRM during the assessment made by the Civil Service Commission on November 12, 2018.
- Survey of Ranking Positions for non-teaching plantilla positions, approved by the BOR on October 16, 2018. The material was used during the PRIME-HRM assessment made by the Civil Service Commission on November 12, 2018.
- Terms of Reference of University Officials
- Learning and Development Templates which are ISO- and PRIME-HRM compliant templates particularly for
  - Scholarship and Training Needs Analysis Survey (STNAS)
  - NVSU Five-Year Learning and Development Plan
- NVSU-MERIT Selection Plan for Non-teaching Personnel: A Handbook, approved under BOR Resolution Number 10-16-131 s. 2018
- Learning Application Plan/Evaluation Plan (LAPE) accepted for use under ISO 9001:2015
- HRMPSB (new) Templates in Accordance with the Evaluation Tools of the 2017 Omnibus Rules on Appointment and Other Human Resource Actions (ORA-OHRA)
- Template for GASS-PRDC: Comments and Suggestions
- Succession Development Plan for Non-Teaching Employees (Position SG 18 and above) with the corresponding templates
- Devised the Template for the Review and Compliance Sheet for SALN
- Revised the Template of IPCR for the Non-teaching Personnel with Common Support Functions including the allocation of Points/Percentage Distribution on Strategic, Core and Support Functions.
- Guidelines on the Observance of Flag Raising Ceremony
- Updated the NVSU Merit Selection Plan for Non-teaching as Personnel which was converted into a Handbook. This was approved by the BOR on October 16, 2018

## Procurement and Supply Management Services

Equipment, Supplies, goods and services were procured and provided to the various programs and units of the University amounted to P 36,947,733.72. These items were procured through public bidding , alternative mode of procurement and others at DBM-PS.

Majority of these items are facilities for academic and research purposes. It is also interesting to note that items purposely for the safety monitoring systems were also procured.

### Supplies/Goods/Services Acquired in 2018

Item/s	Date of Contract	Amount
Supply and Delivery of Office Supplies/Appliances for Both Campuses	July 17	1,337,703.00
Supply and Delivery of Office Supplies/Appliances for Both Campuses	November 23,	1,123,830.00
Supply Delivery of Office Supplies & Equipment For Both Campuses	August 7	1,154,405.00
Supply Delivery of Office Supplies & Appliances For Both Campuses (NEGOTIATED)	September 11	743,748.00
Supply, Delivery of Instructional Equipment for Bambang Campus	August 9	468,600.00
Supply and Delivery of Graduating Pictures & Lay - Outing of Year Books for Batch 2018 (Lot1 @ Lot 2)	June 11	3,064,567.00
Repair of Electrical Wiring System for Various Building for Bayombong	September 20	4,812,172.89
Supply, Delivery & Installation of Speech Laboratory Equipment for Bambang Campus	September 14	1,518,000.00
Provision of Security and Protection Services for both Campuses (September 2018 to December 2019)	September 1	7,991,387.20
Supply, Delivery & Installation of Technical and Scientific Equipment for Bambang Campus	December 05	2,493,600.00
Supply, Delivery and Installation of CCTV for Security and Monitoring System for Bayombong Campus	November 14	1,457,200.00
Supply, Delivery and Installation of Laboratory Equipment for upgrading the Crop and Soil Analytical Services for Bayombong	November 16 & 22, December 29	2,078,287.63
Supply, Delivery and Installation of Fully Digital Software Controlled Language for the Speech Lab Equipment for Bayombong Campus (NEGOTIATED)	January 4	998,000.00
Supply and Delivery of Appliances for Academic Laboratory Bayombong Campus	November 23	374,310.00
Supply, Delivery and Installation of Technical and Scientific Equipment for the College of Engineering Academic Bayombong Campus	December 07	706,000.00
Supply and Delivery of Scientific Equipment for Academic Laboratory Bayombong Campus	November 29, 2018	1,261,100.00
Supply & Delivery of Scientific Equipment for Bayombong Campus	Nov. 26 and 29	792,999.00
Rebidding of Supply and Delivery of All -in-one Desktop Computer for Computer Laboratories Bambang Campus	December 28	1,311,760.00
Purchase of Computer License Software Products Computer for Computer Laboratories Bambang Campus	December 28	1,025,820.00



Item/s	Date of Contract	Amount
Supply and Delivery of Scientific Equipment for Academic Laboratory Bayombong Campus	January 22	744,244.00
Supply, Delivery and Installation of Laboratory Equipment for upgrading the Crop and Soil Analytical Services for Bayombong Campus	January 28,	1,490,000.00
<b>GRAND TOTAL</b>		<b>36,947,733.72</b>

## Income Generating Projects

### a. Auxiliary Services

The Auxiliary Services (AS) manages the non- agriculture related income generating projects of the University. For the period in review, the AS was able to realize a total amount of P2,616,444.09 from its various IGP projects. Below shows a detail of the earnings from each project in both campuses.

PROJECT	INCOME
<b>BAYOMBONG CAMPUS</b>	
ASP Catering	748,953.26
Guest House	50,781.95
Ladies and Men's Dormitory	218,811.50
Gymnasium	98,584.20
Stalls Food Court	215,911.13
Canteen	36,269.00
Housing and Water	288,200.00
Income from GSIS	355,051.06
ID and Internet	283,779.09
LET review	19,092.58
Comprehensive/Thesis fees	23,400.00
Interest Income	4,797.75
Water Refilling Station	(96,800.19)
Furniture Making	(114,451.47)
Merchandising	(43,586.92)
DFTC	(22,105.14)
Staff House	(164,918.35)
Mini Theater	(11,514.99)
International House	(700.00)
Forestry Review	(13,977.00)
<b>Sub-total</b>	<b>P1,875,577.46</b>

PROJECT	INCOME
<b>BAMBANG CAMPUS</b>	
Bakery Shop	23,145.82
Furniture Making	(3,465.00)
Cafeteria	34,188.57
GITC/TOGA	(9,541.68)
Ceramics	(4,427.45)
Dormitory	164,938.64
Rent Income Cafeteria	56,250.00
Training Rooms/Halls	1,035.50
Stalls and other Facilities	221,209.47
Gymnasium	9,500.00
Athletic Oval	2,400.00
ID Production	234,314.50
Auto Shop and Repair	2,100.00
Other Income Gate Pass	290.00
Interest Income	3928.26
<b>Sub-total</b>	<b>P740,866.63</b>
<b>GRAND TOTAL</b>	<b>P2,616,444.09</b>

#### b. Business Affairs

The business affairs manages the agriculture related income generating ventures of the University. There are a total of 23 projects in both campuses that generated a total net income of P 819,294.46 with total assets of P13,194,063.40.

The net income was quite low due to the on-going rehabilitation and refurbishments of most of the projects that include the cattle ranch project in Tuao, Bagabag, Nueva Vizcaya. It was however projected that in the succeeding years, through the enhancement of the agriculture related projects, greater income would be generated that would contribute to the coffers of the University.

Income Statement	Bayombong	Bambang	Total
	19 Projects	4 Projects	23 Projects
Gross Sales	3,043,679.40	163,637.82	3,207,317.22
Cost and Expenses	2,267,978.31	120,044.45	2,388,022.76
<b>Net Income</b>	<b>775,701.09</b>	<b>43,593.37</b>	<b>819,294.46</b>

#### Balance Sheet

ASSETS	
Current Assets	9,111,781.84
Non-current Assets	4,082,281.54
<b>Total Assets</b>	<b>13,194,063.40</b>
LIABILITIES AND GOVERNMENT EQUITY	
Liabilities	553,762.79
Government Equity	12,640,300.61
<b>Total Liabilities and Government Equity</b>	<b>13,194,063.40</b>

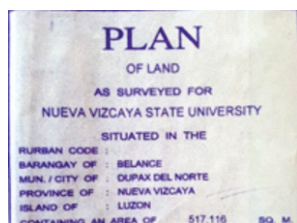
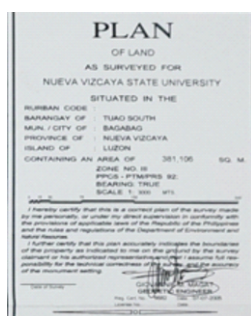
## Planning Development and Information System

As an offshoot of the strategic planning held in December 2017, the office of the Vice President for Planning and Development and Information System was created which handles the Planning and Development Division, Physical Plant and Site Development (PPSD), Information Promotion and Public Relation Center (IPPRC) and the Management Information System (MIS).

### Planning and Development Office

**Land Titling.** The University is working on the titling of its land properties. Recently, the Department of Environment and Natural Resources (DENR) Region 02 released the Plan of Land and Title of the 38.1 ha of land located at Tuao, Bagabag, Nueva Vizcaya. The Department of Environment and Natural Resources (DENR) Region 02 just recently approved the survey plan of the 51-hectare parcel of land owned by the university at Brgy. Belance, Town of Dupax del Norte. Such is needed to formally award the land title to the university.

To fully maximize the use of the land owned by the university, it is currently working with the Philippine Economic Zone Authority for the application of three (3) parcels of land to be transformed into Special Economic Zones. (Ecozones). The 38-hectares in the town of Bagabag for an Eco-tourism Ecozone; 51-hectares in Dupax del Norte to be an Agro-Forestry Ecozone and a parcel of land in Bayombong Campus as an Industrial Technology Hub.



### Physical Plant and Site Development Office

The university continues to provide its stakeholders a comfortable place to work and learn. The PPSD is responsible on the design, implementation and/or supervision of the continuing improvement of the physical structures and site development. The state of the art infrastructure and facilities are all for the enhancement of services and operations of the University in terms of academic, research, extension, development and production. Below shows a list of completed and on-going projects for CY 2018.

#### On-going projects in both campuses

Name of Project	Contract Cost	Date Started
Repair/ Rehabilitation of Academic Building (Old Registrar) for Bayombong	2,973,838.99	5-Jul-18
Construction of Vet Med Laboratory Building for Bayombong Campus	4,953,871.02	28-Sep-18
Repair and Improvement of CAS Building for Bayombong Campus	1,936,526.02	28-Sep-18
Completion of Nutrition Laboratory Building for Bayombong Campus	4,638,729.14	18-Sep-18
Improvement of IT Building for Bayombong Campus	1,922,762.23	24-Sep-18
Repair of Electrical Wiring System for Various Building for Bayombong	4,812,172.89	27-Sep-18
Perimeter Fencing for Bayombong Campus	1,724,410.48	5-Dec-18
Completion of Engineering Building and Facilities for Bayombong Campus	7,374,572.18	4-Jan-19

Name of Project	Contract Cost	Date Started
Completion of Gymnatorium for Bayombong Campus	2,811,720.33	4-Jan-19
Construction of Native Pig and Other Indigeneous Poultry Building Singian, Tuao, Bagabag, Nueva Vizcaya	3,685,866.66	4-Jan-19
Construction/Repair/Rehabilitation of Academic Buildings for Bayombong	1,254,230.67	4-Jan-19
Construction of Soil Laboratory Building for Bayombong Campus	1,894,606.68	4-Jan-19
Construction of Academic Classroom Building for Bambang Campus	8,922,237.56	6-Jul-18
Repair/Improvement of Academic Building (CTE & COE) for Bambang	1,890,296.78	6-Jul-18
Repair of Electrical Wiring System of Various Building for Bambang Campus (NEGOTIATED)	3,948,011.13	5-Jan-19
Improvement of University Water System for Bambang Campus	2,368,920.30	5-Jan-19



Completion of Gymnatorium



Academic Classrooms



Completion of CAS Building



I.T. Laboratory Building



Technology Laboratory Building



Ladies Dormitory Building

### Information Promotion and Public Relations Center (IPPRC)

The IPPRC used to be subsumed under the Management Information System (MIS) but since the functions of these two components are distinct from each other, they were then separated. The following are the salient accomplishments of the IPPRC:

- Keen management of the NVSU radio DWNS 96.5 and served as the information promotion arm of the University. The DWNS 96.5 radio maintained its regular radio broadcast programs. It was also one among the implementers of the Department of Agriculture, R02 School-on-the Air (SOA) program on Climate Change-Smart Agriculture Technologies. Likewise, the radio served other municipalities of the province in their information dissemination campaigns.
- Updated the NVSU Story and was presented during important occasions especially to guests and visitors of the University.
- Published articles on university's important events and accomplishments in the University web.
- Produced brochure which highlights the academic, R&DE and other programs of the University.

- Produced and printed programs of events of the University such as the 14<sup>th</sup> Charter Anniversary and Graduation ceremonies.
- Documented various major events of the University.
- Ushered and oriented visitors like those who come to the University for *Lak-abay Aral*.

### Management Information System (MIS)

The MIS is the center for data collection and management. Since its separation from the IPPRC, the unit has endeavored to develop programs/systems that will manage various data and information that need to be stored properly. As such, retrieval and facilitation of documents for various purposes are made systematic.

The Higher Education Management Information (HEMIS) e-forms were properly filled out and successfully uploaded in the CHED R02 website.

### Internationalization

#### Learning visit to different universities and agencies in Taiwan

In cooperation with Dr. Eimin Wu, Professor of Shu Te University and Executive Director, Edu-Connect Southeast Asia Association, Kaohsiung, delegates from the ASPAP Board of Directors were able to forge a Memorandum of Agreement with TASPAA and Transparency International Taiwan. These two significant events provided a venue for the University to develop stronger ties and partnership with the members-universities of the two associations.



#### CDIO Framework

Three representatives of the University attended the Master Trainers Workshop & Immersion in Singapore Polytechnic as part of the Conceive, Design, Innovate, and Operate (CDIO) Framework Program.

This is a joint effort of the Temasek Foundation International, Singapore Polytechnic, and Philippine Association of State Universities and Colleges (PASUC) which aims to provide practical training and guidance to equip Master Trainers with the requisite skills and knowledge to lead and support CDIO implementation in universities and colleges in the Philippines as well as to plan, organize and conduct cascading Advancing CDIO workshop(s).





# BOARD OF REGENTS



**Regent J. PROSPERO E. DE VERA III**

Chairperson

Commission on Higher Education

Represented by:

**Regent LILIAN A. DELAS LLAGAS**

Commissioner

Commission on Higher Education

*Presiding Chair*

**Regent ANDRES Z. TAGUIAM**

*President, Nueva Vizcaya State University*

*Vice Chair*

**Regent FRANCIS JOSEPH G. ESCUDERO**

Chair, Senate Committee on Education, Culture and Arts

*Member*

*Represented by:*

**Regent RUTH RAÑA PADILLA**

**Regent DIONISIO C. LEDRES, JR.**

OIC Regional Director, NEDA R02

*Member*

**Regent NARCISO A. EDILLO**

Regional Executive Director, DA R02

*Member*

**Regent JOSEPHINE L. NAMUJHE**

Private Sector Representative

*Member*

**Regent CONSTANTE L. ESPIRITU**

President, Federated Alumni Association

*Member*

**JULIETA M. PARAS, Ph.D.**

Regional Director, CHED R02

*Resource Person*

**Regent PAOLO EVERARDO S. JAVIER**

Chair, House Committee on Higher and Technical Education

*Member*

*Represented by:*

**Regent RAMON B. VILLENA**

**Regent SANCHO A. MABBORANG**

Regional Director, DOST R02

*Member*

**Regent EUGENIO S. LABITORIA**

Private Sector Representative

*Member*

**Regent ARCADIA ALICE T. ORDOÑEZ**

President, Federated Faculty Association

*Member*

**Regent DIEGO B. CABAJAR**

President, University Supreme Student Council

*Member*

**JUNE GRACE C. DOMINGO, Ph.D.**

Board and University Secretary



The  
**Annual Report 2018**  
is produced by the  
**INFORMATION PROMOTION AND PUBLIC RELATIONS CENTER**