



2014

ANNUAL REPORT

VISION

The premier university of science and technology in the Visayas.

MISSION

Provide excellent instruction, conduct relevant research and foster community engagement that produce highly competent graduates necessary for the development of the country.

CORE VALUES

Relevance. It emphasizes pertinence and applicability of the University to the social well-being of its stakeholders. The University should continually pursue to contribute to society's intellectual, cultural and economic progress. Its scientific and technological endeavors should be shaped by the demands of society, either in the form of knowledge in basic sciences or technology derived from applied and developmental researches.

Integrity. The firm adherence to an upright moral code and ethical standards is vital in the University's search for truth. An institution engaged in producing quality human capital and scientific innovation must remain incorruptible in a morally challenging environment. Integrity is crucial in forging synergistic partnerships between the University and its stakeholders. Partnerships founded upon integrity practice transparency and mutual trust.

Truth. It is in accord with facts and reality and connotes sincerity in action, character and utterance. The character of an institution is shaped by its ability to stand by the truth and make use of it. The search for truth, the very essence of the academic institution, is the backbone of the scientific process where certainty of results is tested against all known facts. The University is an institution that stands by the truth, reasons in accordance with facts and manifests sincerity in utterance, action and character.

Excellence. A value that centers on the imminent goodness of the quality of services, systems, and outputs of the University. An institution that consistently lives by excellent standards in anything that it does is effective in its search for truth and delivery of socially-relevant, scientific and technological contributions. The stakeholders of the University that include its students, producers and industries deserve nothing but the best that the institution can offer.

OBJECTIVES

1. To strive for excellence in agriculture education for regional and rural development.
2. To sharpen its focus on impact programs and projects in instruction, research, and the application of new knowledge for the well-being of the small Visayan farmers and rural families.
3. To build enduring linkages with national and international institutions and agencies for the promotion of relevant instruction, meaningful research, and effective transmission of useful knowledge to the rural communities in the Visayas.

GOALS

1. Sustained Excellence in Instruction

Produce highly competent and world-class manpower in science and technology (S&T), especially for agriculture, environmental management and industries, who are proficient in communication skills and critical or analytical thinking.

2. Innovative RDE System and Competitive S & T Products

Generate and disseminate relevant knowledge and technology that lead to improved productivity, profitability and sustainability in agriculture, environment and industries.

3. Adequate and Sustainable Resource Generation Activities

Generate adequate resources to support the University's instruction, research and extension pursuits and physical infrastructure needs in the face of declining government subsidy to state universities and colleges (SUCs).

4. Efficient, Effective and Client-Centered Administrative Support Services

Provide timely, accessible, acceptable and customer-friendly administrative support system that promotes partnership and sense of shared stewardship with students, faculty, alumni and other stakeholders.

5. Functional and Adequate Physical Facilities and Infrastructure

Provide functional and adequate infrastructure and related facilities essential to a world-class instruction, innovative RDE, sustainable resource generation and efficient administration.



Republic of the Philippines
VISAYAS STATE UNIVERSITY
Visca, Baybay City, Leyte

Office of the President

29 May 2015

His Excellency

President Benigno Simeon C. Aquino III

Republic of the Philippines

Malacañang, Manila

Through: Dr. Ma. Cynthia Rose B. Bautista
Chairperson, Board of Regents
Visayas State University

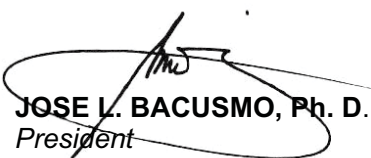
Sir:

I hereby submit to your good office the 2014 Annual Report of the Visayas State University.

Said report synthesizes the humble accomplishments based on the four (4) major functions that guided the university in the planning and implementation of its target projects and programs during the year.

The University constituents and I would like to give thanks for your support in the realization of its mandate in line with the national development goals and objectives.

Very truly yours,


JOSE L. BACUSMO, Ph. D.
President



Message

As the premier university of science and technology in the Visayas guided by its core values of relevance, integrity, truth, and excellence, the Visayas State University (VSU) continuously delivers its services even in the midst of disaster.

CY 2014 was not an easy year for VSU. Typhoon Yolanda devastated practically all the campuses of VSU with VSU-Tolosa bearing the most damage. Yet, the disaster did not crush the will of VSU to survive and rise from the damage to fulfill its functions of providing the public quality but affordable education, relevant researches and meaningful engagements with communities.

In the initial months after the typhoon, we allowed a number of aid/relief agencies to use our buildings for free as their warehouses and operation hubs. It was VSU's humble contribution to the relief efforts after the Typhoon Yolanda.

Our partners rallied to provide us relief from the difficulties brought by the disaster. We received donations from our partners and other parties with benevolent hearts. Worthy to mention is the assistance that KOICA of Korea extended to us and its promise to help rebuild our VSU-Tolosa campus through the construction of two three-storey buildings.

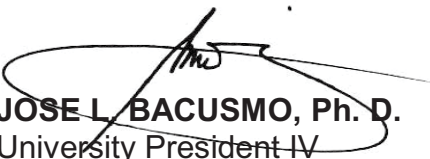
We implemented cash for work program for students and gave scholarships and grants-in-aid to students affected by the typhoon. We did emergency repairs to our academic structures allowing the main campus to resume classes a month after the typhoon and the branch campuses, two months after.

Few weeks after the Typhoon Haiyan, VSU was hailed as the most eco-friendly and sustainable campus in the country. Evaluation for the award was done weeks before Typhoon Yolanda wreaked havoc to VSU campuses and we formally received the award few weeks after the onslaught of Typhoon Yolanda.

Despite the challenges after the super typhoon and succeeding typhoons after, the year ended with VSU graduates landing among the topnotchers in national licensure examinations and VSU is consistently included among the universities obtaining institutional passing percentage higher than national average institutional passing rate. Our students, faculty and staff also brought honors and awards to the University in various curricular and co-curricular activities.

Our research results found added significance and use as a number of national and international aid/development institutions partnered with and entrusted substantial amount of money to VSU for works using VSU's technologies and expertise in rehabilitating the livelihoods of those affected by the disaster.

These litanies are only glimpses and broad strokes of what we have accomplished in CY 2014.


JOSE L. BACUSMO, Ph. D.
University President IV

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HIGHLIGHTS





(Left) The AACUP Accreditors pose with VSU key officials during the Level IV Accreditation of the Bachelor of Science in Agriculture (BSA) program on April 1-2, 2014 at the CCE building VSU, Baybay, Leyte (Right) The Award of Level IV Accreditation of the BSA program from the Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACUP), Inc.

- **VSU's Bachelor of Science in Agriculture Program** was awarded **Level IV Re-accredited Status** by the AACUP Board which is valid from April 16, 2014 until April 15, 2018. VSU was the first-ever University in the country to be given the highest honor as an excellent institution offering Agricultural Program with prestige and authority which is comparable to similar programs in excellent foreign universities.
- The **Visayas State University (VSU)** received from the Civil Service Commission (CSC) the **Certificate of Accreditation (Level II-Accredited Status)** on November 24, 2014 at the VSU Center for Continuing Education. The award was given to VSU "for having met all the accreditation requirements of the Program to Institutionalize Meritocracy and Excellence in Human Resource Management (PRIME-HRM)" through CSC Resolution No. 1400350 dated March 13, 2014.
- The **Visayas State University (VSU)** launched on January 27, 2014 the **Cash-for-Work Program** for students affected by Typhoon Yolanda. The program aimed at providing financial assistance to students who were victims of the super typhoon. The criteria in selecting the beneficiaries included: he/she should be a graduating student, income of parents should be low, and the severity of the damage brought by the typhoon.
- **Dr. Jose L. Bacusmo**, VSU President, is the recipient of the **2013 Regional "Gawad Saka" Award (Outstanding Agricultural Scientist)** for Eastern Visayas during the culmination of the Farmers and Fisherfolk's Month on May 30, 2014 at the DA-8 Multipurpose Hall in Tacloban City.



Dr. Jose L. Bacusmo, VSU President and Dr. Pharida D. Aurelia, Field Director of CSC Biliran-Western Leyte Field Office, during the awarding of the Certificate of Accreditation (Level II - Accredited Status) to the Visayas State University (VSU).

Gawad Saka is an annual event of DA in cooperation with other government institutions, non-government organizations and the private sector which aims to give due recognition and to pay tribute to dedicated individuals and institutions whose exemplary accomplishments in their respective fields of endeavor and contribution in the country's agricultural development are deemed worthy of emulation.

- **Dr. Victor B Asio**, Professor of Soil Science and Dean of the College of Agriculture and Food Science, was awarded the SEARCA Regional Professorial Chair in April 2014. The award honors outstanding Southeast Asian academicians championing inclusive and sustainable agricultural and rural development in the Southeast Asia region.



Dr. Edgardo E. Tulin receiving the Presidential Lingkod Bayan Award in the Malacañang Palace on December 15, 2014.

- **Dr. Edgardo E. Tulin**, University Professor and Vice President for Instruction of VSU, was one of the seven (7) **Presidential Lingkod Bayan Awardees** by the Civil Service Commission (CSC) during its 114th Philippine Civil Service Anniversary Awards Rites on December 15, 2014 at the Malacañang Palace, Manila. The award was conferred to Dr. Tulin by Honorable Executive Secretary Paquito N. Ochoa, Jr. with the assistance of Honorable CSC Chairman Francisco T. Duque III, and former Senator Jose D. Lina, Vice Chair of the 2014 Committee on the Presidential Lingkod Bayan and CSC Pagasa Awards.
- VSU gave awards during the 90th VSU Anniversary Convocation on August 10, 2014 to the following individuals:
 - ✓ **Mount Pangasugan Awards** were given to retirees who served as head of an office/department/unit prior to their retirement: **Dr. Dolores L. Alcober** (*Dean of the College of Education*); **Dr. Lelita R. Gonzal** (*Director of the National Abaca Research Center*); **Dr. Emma S. Data** (*Head of University Review Center & Center for Continuing Education*); **Dr. Rodrigo F. Sebidos** (*Head of the Department of Plant Breeding and Genetics*); **Prof. Elizabeth D. Briones** (*Project Leader of the University Ornamental Crops Project*); **Mrs. Roberta C. Lemos** (*Director of Finance*).
 - ✓ **Service Awards** were given to the following VSU faculty and staff retirees: **Ms. Rosario A. Celajes** (42 years); **Ms. Leonora M. Barraza** (40 years); **Ms. Elsie E. Lim** (40 years - Posthumous); **Mr. Domingo P. Flandez** (39 years); **Prof. Norma B. Mesorado** (38 years); **Ms. Adelina I. Milan** (38 years); **Mr. Raul F. Valenzona** (38 years); **Dr. Vicente D. Zarsata** (38 years); **Dr. Alfredo E. Porcare** (37 years);

Prof. Fe. C. Evangelio (37 years); **Prof. Lucy B. Paloma** (37 years); **Ms. Jeanete B. Israel** (37 years); **Mr. Wilfredo A. Anonat** (36 years); **Mr. Edilberto T. Gonzaga** (36 years); **Ms. Ma. Cristina U. Ramirez** (35 years); **Mr. Simeon P. Sedrome** (35 years); **Ms. Avelina V. Galenzoga** (34 years); **Mr. Genaro B. Posas** (33 years); **Mr. Benjamin L. Restor** (32 years - Posthumous); **Ms. Ammie A. Parac** (31 years); **Mr. Nicola C. Carreno** (31 years); **Ms. Rosita S. Montajes** (30 years); **Mr. Marqueso P. Sarsalijo, Jr.** (30 years); **Ms. Rosalina I. Apelo** (30 years - Posthumous); **Mr. Ildefonso D. Parac** (29 years); **Ms. Evelyn T. Bestil** (29 years - Posthumous); **Mr. Emmanuel J. Casimban** (28 years); **Mr. Apolinario T. Bandalan** (26 years); and **Ms. Evelyn S. Masendo** (25 years).

- ✓ **Certificates of Recognition** were given to some individuals, agencies and institutions (international and local donors and benefactors) who selflessly extended their help and support to the victims of Typhoon Yolanda whose children were enrolled at VSU.
- ✓ VSU faculty, staff, alumni and others were awarded for their exemplary competence and dedication in their respective fields of endeavor: **Dr. Roberta D. Lauzon** – *Exemplary Academician of the Year Award*; **Dr. Felix M. Salas** – *Exemplary Teacher of the Year Award*; **Dr. Rotacio S. Gravoso** – *Exemplary Researcher of the Year Award*; **Dr. Humberto R. Montes, Jr.** – *Exemplary Extensionist of the Year Award*; **Ms. Marissa M. Cano** – *Best Academic Non-Teaching Staff of the Year (Broadcast Producer/Announcer)*; **Ms. Maria Verjie Q. Subere** – *Best Administrative Support Staff of the Year (Research)*; **Mr. Jeremias S. Vestra** – *Model Science Research Assistant of the Year*; and **Mr. Albert N. Banayag** – *Best Driver of the Year*; **Dr. Rico O. Cruz** – *Outstanding Alumnus of the Year Award*; **Suganob Family** of Candijay, Bohol – *Family of the Year Award*.



The VSU awardees, together with Dr. Jose L. Bacusmo, VSU President and Hon. Dominic L. Petilla, Governor, Leyte Province (Left to Right) Dr. Roberta D. Lauzon, Dr. Felix M. Salas, Dr. Rotacio S. Gravoso and Dr. Humberto R. Montes, Jr.

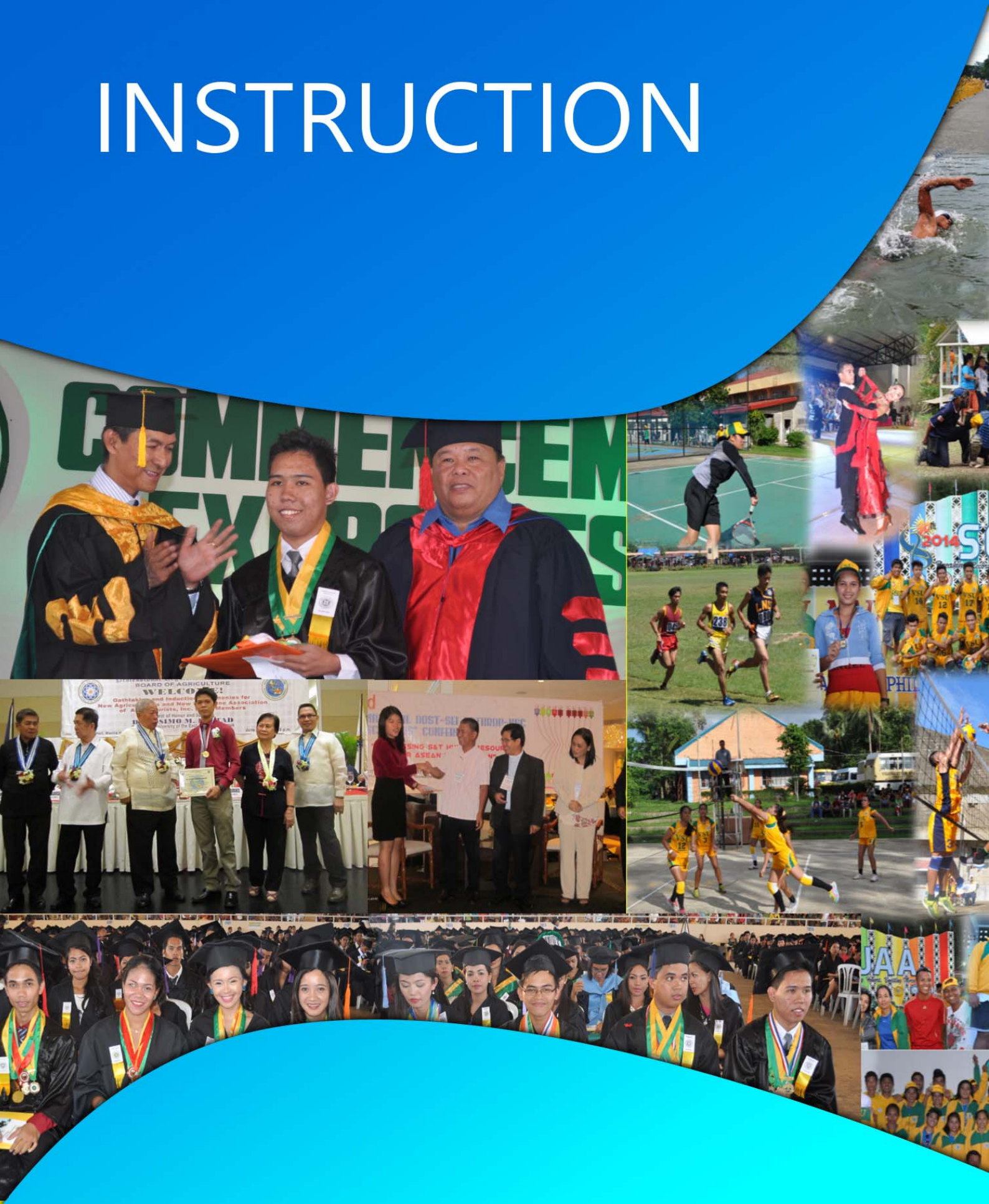
- Two new academic departments under the College of Agriculture and Food Science (CAFS) were created, namely: the Department of Agronomy (DA) headed by Dr. Berta C. Ratilla, and the Department of Soil Science (DSS) chaired by Dr. Suzette B. Lina. First proposed about 17 years ago under previous administrations, the separation of the large Department of Agronomy and Soil Science (DASS) into two separate departments was finally approved and implemented by President Bacusmo in November 2014. This is an important milestone for VSU considering the crucial role that Agronomy plays in agriculture. Likewise, Soil Science, a rapidly expanding science, plays vital roles in agriculture, forestry, environmental management, and global warming research. VSU is widely considered as having the strongest soil science faculty (7 PhD, 2 MS) in the country today. Dr. Victor B. Asio was the last head of DASS before it was split into DA and DSS. Previous heads included: Dr. Benjamin C. Mahilum, Dr. Rodolfo G. Escalada, Prof. Pedro P. Pascual, Dr. Angela S. Almendras-Ferraren, Dr. Racquel C. Serohijos and Dr. Anabella B. Tulin.



The Department of Agronomy and Department of Soil Science

- Dr. Victor B. Asio, dean of CAFS from January 2010 to October 2014, was appointed by President Bacusmo as Vice President for Planning, Resource Generation and External Affairs effective November 3, 2014 to December 31, 2015. Dr. Antonia Cecilia Y. Sandoval, the head of the Department of Community Development and Extension, took over the CAFS deanship that was vacated by Dr. Asio.

INSTRUCTION





Summa Cum Laude graduate, Mr. Jensen D. Rico, receiving his medal from President Jose L. Bacusmo and Dr. Edgardo E. Tulin.



The top graduates after receiving their medals and awards.

CURRICULAR OFFERING

NEW CURRICULAR OFFERING

The proposal to offer the *Bachelor of Arts in English Language* was approved by the VSU Board of Regents as per BOR Resolution No. 37 s. 2014 and the Department of Liberal Arts and Behavioral Sciences (DLABS) started accepting students in the second semester of SY 2014-2015.

STUDENTS

ENROLMENT

During the 1st semester of school year 2014-2015, the VSU System had a total enrolment of 13,020 broken down as follows:

The VSU Main Campus had a total enrolment of 7,189 which comprised 279 graduate students (16 PhD, 261 MS/MAGDev/MEd/MMgt and 2 DLAM), and 6,910 undergraduate students: BSAB -944, BSHRTM -815, BSEd -800, BSA -614, BAS -509, BSCE -436, BEEd -368, DVM -362, BSCS -308, BSFT -191, BSDE -191, BSME -178, BSBio -163, BSDC -159, BSAE -155, BSF -141, BSChem -133, BSGGE -112, BSEcon -90, BSN -82, BSEM -51, BSS -49, BSBiotech -45, BSAC -14. The VSU Laboratory High School (VSULHS) had a total enrolment of 499 students (Table 1).

The external campuses had the following student enrolment during the 1st semester of SY 2014-2015: VSU Alangalang -1,519 (1,079 undergraduate and 440 non-degree); VSU Isabel -1,151 (972 undergraduate and 179 non-degree); VSU Tolosa - 2,264 (13 graduate and 2,251 undergraduate); and VSU Villaba - 897 undergraduate.

GRADUATES

The VSU Main Campus presented **934** graduates during the 61st Collegiate Commencement Exercises, which comprised **45** graduates in the graduate programs (4 PhD, 27 MS, 2 MAGDev, 3 M. M., 7 M.Ed., and 2 DLAM); **829** in the undergraduate programs (169 BHRTM, 120 BSAB, 102 BEEd, 74 BSEd, 67 BAS, 37 BSDC, 33 BSFT, 29 BSA, 29 BSN, 24 BSCS, 19 DVM, 16 BSEM, 13 BSS, 13 BSGE, 12 BSCE, 12 BSBiotech, 12 BSEcon, 11 BSChem, 11 BSDE, 10 BSF, 7 BSBio, 6 BSAE, and 3 BSMet; and **60** in the special programs (28 CAS and 32 DAPT) (Table 2).

The VSU external campuses had the following number of graduates: **208** from **VSU Alangalang** (68 BEEd, 22 BSEd, 20 BSEM, 16 BAT, 82 DAT); **202** from **VSU Isabel** (9 BSIE, 20 BSIT, 44 BEEd, 22 BSEd, 22 BSAB, 12 BSME, 36 DACT, and 37 DTTE); **178** from **VSU Tolosa** (13 BSFi, 50 BEEd, 17 BSEd, and 98 BS Crim); and **135** from **VSU Villaba** (18 BSA, 72 BEEd, 24 BSEd, and 21 CAS).

A total of 84 secondary school graduates received their diplomas during the 84th Commencement Exercises of the VSU Laboratory High School.

HONORS AND AWARDS

Seventy-four (74) of the 934 graduates during the 61st Collegiate Commencement Exercises of the VSU Main Campus were awarded academic honors distributed as follows: 1 Summa Cum Laude, 7 Magna Cum Laude and 66 Cum Laude. Mr. Jensen D. Rico (BS Economics) graduated on top, with Summa Cum Laude honor. In addition, four graduates of the two year certificate course received "With High Honors" and "With Honors" citations (Table 3).

Table 1. VSU Main Campus student enrolment by degree, First Semester SY 2014-2015 and SY 2013-2014.

COURSE	1 ST SEM 2014-2015	1 ST SEM 2013-2014	PERCENT INCREASE/ DECREASE
GRADUATE			
Doctor of Philosophy (Ph. D.)	16	20	(20.00)
Master of Science (MS)	134	123	8.94
Master of Agric. Dev't. (MAgDev)*	31	39	(20.51)
Master of Education (MEd)	43	48	(10.42)
Master of Management (MMgt)	47	28	67.86
Master of Land Admin & Mgt. (MLAM)	6	9	(33.33)
Diploma in Land Admin & Mgt. (DLAM)	2	2	0
Sub-total	279	269	3.72
UNDERGRADUATE			
Doctor of Veterinary Medicine (DVM)	362	340	6.47
BS in Agricultural Engineering (BSAE)	155	130	19.23
BS in Geodetic & Geomatics Engineering (BSGGE)	112	109	2.75
BS in Civil Engineering (BSCE)	436	335	30.15
BS in Mechanical Engineering (BSME)	178	135	31.85
BS in Computer Science (BSCS)	308	284	8.45
Bachelor of Animal Science (BAS)	509	437	16.48
BS in Agriculture (BSA)	614	437	40.50
BS in Development Communication (BSDC)	159	155	2.58
BS in Food Technology (BSFT)	191	189	1.06
BS in Agribusiness (BSAB)	944	824	14.56
BS in Economics (BSEcon)	90	90	0
BS in Hotel, Restaurant & Tourism Mgt. (BSHRTM)	815	869	(6.21)
BS in Agricultural Chemistry (BSAC)	14	12	16.67
BS in Chemistry (BSChem)	133	106	25.47
BS in Statistics (BSS)	49	52	(5.77)
BS in Biology (BSBio)	163	127	28.35
BS in Biotechnology (BSBiotech)	45	47	(4.26)
BS in Development Education (BSDE)	191	139	37.41
Bachelor of Elementary Education (BEEEd)	368	510	(27.84)
Bachelor of Secondary Education (BSEd)	800	731	9.44
BS in Forestry (BSF)	141	122	15.57
BS Environmental Management (BSEM)	51	52	(1.92)
BS in Nursing (BSN)	82	90	(8.89)
BS Meteorology (BSMet)	0	3	0
Sub-total	6,910	6,325	9.25
SECONDARY	499	451	10.64
GRAND TOTAL	7,688	7,045	9.12

* Enrolment of Open University is included

Table 2. Number of graduates from the VSU-Main Campus, SY 2013-2014 & SY 2012-2013.

PROGRAMS	2013-2014	2012-2013
<u>Graduate Degree</u>		
Doctor of Philosophy (Ph.D.)	4	3
Master of Science (M.S.)	27	16
Master of Agricultural Development (MAgDev)	3	1
Master of Education (M. Ed.)	7	8
Master of Management (M. Mgt.)	3	2
Master of Land Administration & Management (MLAM)	0	6
Diploma in Land Administration & Management (DLAM)	2	6
Sub-total	45	42
<u>Undergraduate Degree</u>		
Doctor of Veterinary Medicine (DVM)	19	17
Bachelor of Elementary Education (BEEd)	102	83
Bachelor of Secondary Education (BSEd)	74	54
BS in Development Education (BSDE)	11	16
Bachelor of Animal Science (BAS)	67	73
BS in Agriculture (BSA)	29	49
BS in Development Communication (BSDC)	37	23
BS in Food Technology (BSFT)	33	43
BS in Agribusiness (BSAB)	120	99
BS in Economics (BS Econ)	12	4
BS in Hotel, Restaurant, and Tourism Management (BSHRTM)	169	196
BS in Forestry (BSF)	10	13
BS in Environmental Management (BSEM)	16	14
BS in Ag. Engineering (BSAE)	6	10
BS in Geodetic Engineering (BSGE)	13	2
BS in Civil Engineering (BSCE)	12	0
BS in Computer Science (BSCS)	24	25
BS in Meteorology (BSMet)	3	0
BS in Biology (BSBio)	7	9
BS in Biotechnology (BSBiotech)	12	4
BS in Statistics (BSS)	13	8
BS in Chemistry (BS Chem)	11	19
BS in Nursing	29	61
Sub-total	829	822
<u>Special Programs</u>		
Certificate of Health Care Services (CHCS)	0	0
Certificate in Geodetic Technology (CGT)	0	1
Certificate of Agricultural Science (CAS)	28	35
Diploma in Animal Production Technology (DAPT)	32	30
Sub-total	60	66
TOTAL	934	930

Table 3. Graduates with academic honors and awards.

NAME	COURSE	ACADEMIC AWARD	SPECIAL AWARDS
COLLEGE OF AGRICULTURE & FOOD SCIENCE (CAFS)			
Rochelle B. Cagadas	BS in Agriculture (BSA)	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • Senator Antonio F. Trillanes Excellence Award • College of Agriculture and Food Science Dean's Medal of Excellence
Gladys Mae H. Ruiz	BS in Dev't Communication (BSDC)	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Gabrielle T. Espinosa	BSDC	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence • College of Agriculture and Food Science Dean's Medal of Excellence
Glory Mae R. Autida	BSFT	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence • College of Agriculture and Food Science Dean's Medal of Excellence • Dr. Lutgarda S. Palomar Cash Award
Jayfryl D. Tangog	BSA	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence
Pinklet Athena M. Cuban	BSA	Cum Laude	
Vanessa Jane M. Acabal	BSA	Cum Laude	
Isabelle Mae J. Amora	BSDC	Cum Laude	
Gerry May C. Añonuevo	BSA	Cum Laude	
Nikki M. Daguia	BSA	Cum Laude	<ul style="list-style-type: none"> • Senator Juan Ponce Enrile Award of Excellence • Gov. Marañon Award of Excellence plus cash prize
Vitezza S. Naval	Bachelor of Animal Science (BAS)	Cum Laude	<ul style="list-style-type: none"> • Senator Meriam Defensor Santiago Award of Excellence • College of Agriculture and Food Science Dean's Medal of Excellence
Janeth F. Gimena	BSFT	Cum Laude	<ul style="list-style-type: none"> • Senator Meriam Defensor Santiago Award of Excellence
Pee Jee V. Jareño	BSA	Cum Laude	<ul style="list-style-type: none"> • Senator Ferdinand R. Marcos, Jr. Award of Excellence • Gov. Marañon Award of Excellence plus cash prize
Elia Maury V. Cunanan	BSDC	Cum Laude	<ul style="list-style-type: none"> • Senator Ferdinand R. Marcos, Jr. Award of Excellence

Table 3. Continuation.

NAME	COURSE	ACADEMIC AWARD	SPECIAL AWARDS
Lanny Flor B. Mahilum	BSDC	Cum Laude	<ul style="list-style-type: none"> • Senator Ferdinand R. Marcos, Jr. Award of Excellence
Jonalyn I. Miral	BSFT	Cum Laude	
Mary Jane L. Yare	BSA	Cum Laude	
Julius A. Ferando	BSFT	Cum Laude	<ul style="list-style-type: none"> • Senator Aquilino Pimentel Award of Excellence • Gov. Marañon Award of Excellence plus cash prize
Jeneveve T. Traverro	BSFT	Cum Laude	<ul style="list-style-type: none"> • Senator Aquilino Pimentel Award of Excellence
Marie Neila P. Seco Marissa B. Barbosa	Certificate of Agriculture Science (CAS)	With High Honors	<ul style="list-style-type: none"> • An Waray Partylist: Cong. Victoria Noel Award of Excellence.
Mica G. Binongo	Certificate of Agriculture Science (CAS)	With Honors	<ul style="list-style-type: none"> • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Cyrill John P. Godinez	Diploma in Animal Production Tech.(DAPT)	With Honors	<ul style="list-style-type: none"> • An Waray Partylist: Cong. Victoria Noel Award of Excellence.
COLLEGE OF ARTS & SCIENCES (CAS)			
Jade Vincent Q. Membrebe	BS in Statistics (BSS)	Magna Cum Laude	<ul style="list-style-type: none"> • Gov. Leopoldo Dominico L. Petilla Award for Most Outstanding Student • Senator Sonny Angara Excellence Award • Former Senator Manny Villar Excellence Award • Baybay City Mayor Carmen L. Cari Award of Excellence • Vice President for Instruction Medal of Excellence • College of Arts and Sciences Dean's Medal of Excellence • Dean of Students Leadership Award
Donna Christine Q. Ramos	BS in Biotechnology (BS Biotech)	Magna Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • Former Senator Manny Villar Excellence Award • Baybay City Mayor Carmen L. Cari Award of Excellence • Vice President for Administration and Finance Medal of Excellence • College of Arts and Sciences Dean's Medal of Excellence;
Arnold R. Odo	BS in Chemistry (BSChem)	Magna Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • Senator Antonio F. Trillanes Excellence Award • Baybay City Mayor Carmen L. Cari Award of Excellence • Vice President for Planning, Resource Generation and External Affairs Medal of Excellence • College of Arts and Sciences Dean's Medal of Excellence;

Table 3. Continuation.

NAME	COURSE	ACADEMIC AWARD	SPECIAL AWARDS
Jesriel M. Boko	BSChem	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • Senator Loren Legarda Leadership Award • An Waray Partylist: Cong. Victoria Noel Award of Excellence • DOST Award of Excellence in Science and Technology;
Caressa Marielle D. Poliquit	BSBiotech	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Jojie Marie Y. Teves	BSBiotech	Cum Laude	<ul style="list-style-type: none"> • Senator Pia Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Jerizza May B. Bulahan	BSS	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Elisha Niña M. Cabahug	BS Chem	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence • IPI Foundation Medal
Kristine Joyce O. Quiñones	BS Biotech	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence
Fatima Jean C. Dimas	BS Chem	Cum Laude	<ul style="list-style-type: none"> • Senator Juan Ponce Enrile Award of Excellence • Senator Loren Legarda Leadership Award • IPI Foundation Medal
Carlo Agosto R. Perez	BS Chem	Cum Laude	<ul style="list-style-type: none"> • Senator Meriam Defensor Santiago Award of Excellence
Kirstin Heinsel C. Badilla	BSBiotech	Cum Laude	<ul style="list-style-type: none"> • Senator Ferdinand R. Marcos, Jr. Award of Excellence
Meralyn R. Lebante	BSS	Cum Laude	<ul style="list-style-type: none"> • Senator Grace Poe Award of Excellence
COLLEGE OF EDUCATION (CE)			
Darlyn M. Balaresia	Bachelor of Elementary Education (BEEd)	Magna Cum Laude	<ul style="list-style-type: none"> • Senator Nancy Binay Excellence Award • Former Senator Manny Villar Excellence Award • Baybay City Mayor Carmen L. Cari Award of Excellence • Vice President for Research and Extension Medal of Excellence • College of Education Dean's Medal of Excellence
Janice C. Dupal	BEEd	Magna Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • Senator Antonio Trillanes Excellence Award • Baybay City Mayor Carmen L. Cari Award of Excellence • Vice President for Planning, Resource Generation and External Affairs Medal of Excellence;

Table 3. Continuation.

NAME	COURSE	ACADEMIC AWARD	SPECIAL AWARDS
Emmanuel A. Auguis	Bachelor of Secondary Education (BSEd)	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence • College of Education Dean's Medal of Excellence
Madhelle T. Ofredo	BSEd	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Rejie L. Lazarte	BEEd	Cum Laude	<ul style="list-style-type: none"> • Senator Pia Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Marietta D. Iquiña	BSEd	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence
Haydee A. Pedrera	BSEd	Cum Laude	
Claire Ann E. Luzares	BEEd	Cum Laude	
Inah Alexis B. Englis	BSEd	Cum Laude	<ul style="list-style-type: none"> • Senator Juan Ponce Enrile Award of Excellence
Rafael N. Radores	BSEd	Cum Laude	<ul style="list-style-type: none"> • Senator Meriam Defensor Santiago Award of Excellence
Richard C. Varron	BEEd	Cum laude	<ul style="list-style-type: none"> • Senator Ferdinand R. Marcos, Jr. Award of Excellence
Cristina S. Espina	BEEd	Cum laude	
Rovilyn A. Balundo	BEEd	Cum laude	
Genevieve Ann C. Felicia	BSEd	Cum laude	
Glory Jane C. Bandibas	BSEd	Cum laude	
Mierabelle C. Parrilla	BSEd	Cum laude	
Mayril Faith M. Baldonado	BSEd	Cum laude	
Deberlyn H. Omalay	BEEd	Cum Laude	<ul style="list-style-type: none"> • Senator Aquilino Pimentel Award of Excellence
Karen Kae G. Rota	BEEd	Cum Laude	
Christy Mae C. Mangabon	BEEd	Cum Laude	<ul style="list-style-type: none"> • Senator Lito Lapid Award of Excellence
Sheena R. Paran	BEEd	Cum Laude	<ul style="list-style-type: none"> • Senator Grace Poe Award of Excellence

Table 3. Continuation.

NAME	COURSE	ACADEMIC AWARD	SPECIAL AWARDS
COLLEGE OF ENGINEERING (CoE)			
Ger Ann Marie W. Duran	BS Meteorology (BSMet)	Cum Laude	<ul style="list-style-type: none"> • Senator Meriam Defensor Santiago Award of Excellence • DOST Award of Excellence in Science and Technology
Neil John P. Ramal	BSMet	Cum Laude	<ul style="list-style-type: none"> • Senator Ferdinand R. Marcos, Jr. Award of Excellence • DOST Award of Excellence in Science and Technology • College of Engineering Dean's Medal of Excellence
Rey Mark L. Alfante	BS in Geodetic Engineering (BSGE)	Cum Laude	<ul style="list-style-type: none"> • Senator Aquilino Pimentel Award of Excellence • DOST Award of Excellence in Science and Technology • College of Engineering Dean's Medal of Excellence
COLLEGE OF FORESTRY & ENVIRONMENTAL SCIENCE (CFES)			
Eduardo G. Espejon	BS in Forestry (BSF)	Cum Laude	<ul style="list-style-type: none"> • Senator Pia Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence • College of Forestry and Environmental Science Dean's Medal of Excellence
Glory Mae S. Merino	BS Environmental Management (BSEM)	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence • College of Forestry and Environmental Science Dean's Medal of Excellence;
Mary Chris P. Nierves	BSEM	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence
Angelita B. Orias	BSEM	Cum Laude	<ul style="list-style-type: none"> • Senator Juan Ponce Enrile Award of Excellence
Arjay O. Leros	BSEM	Cum Laude	<ul style="list-style-type: none"> • Senator Ferdinand R. Marcos, Jr. Award of Excellence
COLLEGE OF MANAGEMENT & ECONOMICS			
Jensen D. Rico	BS in Economics (BSEcon)	Summa Cum Laude	<ul style="list-style-type: none"> • VSU Presidential Award for Academic Excellence with a cash award • Baybay City Mayor Carmen L. Cari Award of Excellence with medal and cash award • Senator Loren Legarda Academic Excellence Award • Former Senator Manny Villar Excellence Award • Vice President for Instruction Medal of Excellence • College of Management and Economics Dean's Medal of Excellence
Christopher R. Galgo, Jr.	BS in Agribusiness (BSAB)	Magna Cum Laude	<ul style="list-style-type: none"> • Senator Nancy Binay Excellence Award • Former Senator Manny Villar Excellence Award • Baybay City Mayor Carmen L. Cari Award of Excellence • Vice President for Research and Extension Medal of Excellence • College of Management and Economics Dean's Medal of Excellence

Table 3. Continuation.

NAME	COURSE	ACADEMIC AWARD	SPECIAL AWARDS
Alma M. Moreno	BSEcon	Magna Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • Former Senator Manny Villar Excellence Award • Mayor Carmen L. Cari Award of Excellence • Vice President for Administration and Finance Medal of Excellence
Lara Jane V. Paller	BS in Hotel, Restaurant and Tourism Management (BSHRTM)	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence • College of Management and Economics Dean's Medal of Excellence
Mae Angelie C. Tan	BSEcon	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence
John Mark M. Jaballa	BSHRTM	Cum Laude	<ul style="list-style-type: none"> • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Raymund C. Gatdula	BSHRTM	Cum Laude	<ul style="list-style-type: none"> • Senator Alan Peter Cayetano Award of Excellence • Senator Loren Legarda Leadership Award • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Michelle V. Mahinay	BSAB	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence • Gov. Marañon Award of Excellence plus cash prize • An Waray Partylist: Cong. Victoria Noel Award of Excellence
Demavanessa S. Tampus	BSAB	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence • An Waray Partylist: Cong. Victoria Noel Award of Excellence • Dean of Students Leadership Award
Sweet Adel L. Prima	BS Econ	Cum Laude	<ul style="list-style-type: none"> • Senator JV Ejercito Award of Excellence
Guada Marie P. Babilonia	BSAB	Cum Laude	
Carlifel April S. Mollanida	BSHRTM	Cum Laude	
Snowie Jane C. Galgo	BSAB	Cum Laude	<ul style="list-style-type: none"> • Senator Lito Lapid Award of Excellence

Students On-the-Job-Training (OJT) Abroad

Twenty-seven (27) students from the College of Agriculture and Food Science (CAFS) and one from the College of Veterinary Medicine left for their on-the-job-trainings (OJT) in The Netherlands and Israel (Table 4).

Prizes Won in Student Competitions

Eleven (11) students of the VSU Main Campus won in different student competitions: the team of **Miss Claire Larzen Z. Tello** won **3rd place** in the *AYLE Business Idea Competition [6th ASEAN-preneurs Youth Leaders Exchange (AYLE)]*, National University of Singapore; the team of DVM students composed of **Serafin L. Garciano, Jr., Joan Marie Y. Corman**es and **Carl Leonard M. Pradera** won **2nd place** in the *National Zootechniques Quiz Contest, National*

*Congress of Veterinary Medicine Students (NCVMS); College of Veterinary Medicine, UPLB; two students from the Department of Food Science and Technology won in the poster contests, namely: **Mylene A. Anwar** (1st place) during the 3rd National DOST-SEI ASTHRDP-NSC Scholars Conference on Feb. 27-28, 2014 and **Eileen Bandalan** (2nd place) during the EVHRDC at LNU Gymnasium Tacloban City;; three (3) BS Computer Science students, **Inovencio Tiempo Carbonilla, Jr.** and **Meriam Olila Pales** passed the 9th IT Passport Examination while **Jerwin Indic Lipayon** passed the 24th Fundamental IT Engineers (FE) Examination; and **Mark Anthoniel I. Guiñarez** won 1st place in the provincial elimination and 4th place in the Philippine Statistics Quiz Show (Table 5).*



Ms. Mylene A. Anwar receiving the cash award for Best Poster Paper during the 3rd National DOST-SEI ASTHRDP-NSC Scholars Conference

Table 4. Students on on-the-job-training (OJT).

NAME	COURSE	HOST UNIVERSITY/ INSTITUTE ABROAD	DURATION
1. Roy O. Malinao	BSA IV, Horti	The Netherlands	April 28, 2014 to Oct. 20, 2014
2. Anthone B. Serognas	BSA IV, Horti		
3. Jhake Dave V. Agapay	BSA IV, Horti		
4. Joefer P. Sabando	BSA IV, Horti		
5. Lufer Grace M. Napa	BSA IV, Horti		
6. Cristy A. Bitos	BSA IV, Horti		
7. Cornelia T. Cagayong	BSA IV, Horti		
8. Diana Mae J. Nobe	BSA IV, Horti		
9. Maria Crisandra G. Oliveros	BSA IV, Horti		
10. Judith Q. Amacanin	BSA IV, Horti		
11. Julito Y. Arañez	BAS IV	Israel	Sept. 2014 to August 2015
12. Jaime Y. de Asis, Jr.	BAS IV		
13. Mark Vincent E. Jasalin	BAS IV		
14. July Bryan M. Cabangbang	BAS IV		
15. Joseph J. Solis	BAS IV		
16. Ryan D. Quirante	BSA IV-Horti		
17. Radilyn S. Torres	BSA IV-Horti		
18. Monica F. Faller	BAS III	Israel	Sept. 2013 to August 2014
19. Winston Borris C. Dy	BAS IV		
20. Jose G. Mundia, Jr.	BAS III		
21. Rodrigo E. Canoneo, Jr.	BAS III		
22. Juniven G. Egido	BAS IV		
23. Mark S. Tabada	BAS III		
24. Edgar A. Hinunangan	BSA IV- Horti		
25. John Armie R. Bula	BSA IV- Horti		
26. Earl Anthon P. Cadalin	BSA IV-Plant Prot		
27. Cereno Neil P. Golosino	DVM IV		

Extra-curricular Achievements of Students

VSU athletes won 50 gold, 26 silver, and 44 bronze medals during the 30th Regional SCUAA Meet held at the University of Eastern Philippines (UEP), Catarman, Northern Samar on October 19-24, 2014.

Gold Medalists: **Narciso Deterala** (VSU Tolosa) – Athletics (3,000-meter run); **Alvie A. Roluna** – Athletics (Javelin Throw Women); **Angelito R. Bocal** – Swimming (200-meter Breaststroke, 500-meter Breaststroke, 800-meter Freestyle, and 100-meter Backstroke); **Mitch O. Del Coro** – Swimming (200-meter Backstroke); **Nyhia P. Alfeche, Cristy A. Aviles, Roda O. Capacao, and Ian Mae S. Espinosa** – Swimming (4x200-meter Freestyle Relay); **Clint Joel P. Baltonado, Raul Borinaga, Joveth A. Cocamas, Kekin Concillado, Anthony Christian Y. Conde, Ral R. Cuizon, Richie R. Cuizon, Kerwin Declaros, Luigi Ruy C. Dela Cruz, Michael A. Fernandez, Wilson G. Libores, John Darwin T. Lozada, Joseph L. Luchavez, Kris Benzon V. Notarte, Ramel C. Ortega, Daniel M. Subingsubing, and David Winston W. Tabada** – Soccer; **Abigail T. Amarille, Janica Kyre J. Berdos, Khrystin J. Berdos, Ivan Joyce P. Bico, Analou V. Bustrillo, Johanna Paula R. Jomoc, Shiela Marie C. Loreto, Joana Jerosse O. Petilos, Kate Cyra L. Quindao, Rosemarie N. Tuyor,**

Zarah Mae G. Velarde, and Mary Grace Villacorte – Volleyball Women; **Abigail N. Balbarino, Christian Mae A. Fernandez, Marigold E. Retuya, and Wencee Khyeir D. Tinapan** – Badminton Women; **Diezanne Jireh D. Antipaso, Elgy C. Dasian, Elma C. Dasian, and Ma. Theresa S. Tagalog** – Lawn Tennis Women; **Gelli Anne S. Alcuino and Joel E. Conde** – Dancesports (Modern Standard Discipline – Best Costume)

Silver Medalists: **Narciso Deterala** (VSU Tolosa) – Athletics (5,000-meter run and 10,000-meter run); **Romulo Perez** (VSU Tolosa) – Athletics (Triple Jump Men); **Angelica Alba** – Athletics (Shot Put Women); **Angelito R. Bocal** – Swimming (100-meter Breaststroke); **Angelito R. Bocal, Mitch O. Del Coro, Jason Piamonte, and Ericson Piedraverde** – Swimming (4x100-meter Medley Relay); **Mitch O. Del Coro** – Swimming (100-meter Backstroke); **Cristy E. Alvis** – Swimming (50-meter Breaststroke); **Ian Mae S. Espinosa** – Swimming (800-meter Freestyle, 50-meter Butterfly and 100 meter Breaststroke); **Mae Ann M. Arena, Francis Diana Michan V. Asis, Ericha D. Bantilan, Desire Gesultura, Leicelle Mae G. Gonzaga, Alyanna Kate C. Ygot, Charmelita S. Mabilia, Sharyn C. Mandras, Ma. Therese L. Pantino, Frances Mae Pizon, Jozen Mae Ann N. Remoroza, and Judy Ann P. Salva** – Softball Women.

Bronze Medalists: **Deo Argallon** – Athletics

Table 5. Prizes won in student competitions.

NAME	COURSE	PRIZE	COMPETITION & PLACE	DATE
Miss Claire Larzen Z. Tello	BSEcon III	3 rd place (team)	AYLE Business Idea Competition [6 th ASEAN-preneurs Youth Leaders Exchange (AYLE)]; National University of Singapore	Jan. 24-29, 2014
Serafin L. Garciano, Jr. Joan Marie Y. Cormaness Carl Leonard M. Pradera	DVM VI DVM V DVM IV	2 nd Runner Up (team)	National Zootechniques Quiz Contest [National Congress of Veterinary Medicine Students (NCVMS)]; College of Veterinary Medicine, UPLB	Feb. 12-15, 2014.
Mylene A. Anwar	MS	1 st place – Best Poster	DOST	Feb. 28, 2014
Eileen Bandalan	BSFT	2 nd place – Best Poster	EVHRDC	May 14, 2014
Mark Anthoniel I. Guiñarez	BSS	1 st place – PSQ Show (Prov'l Elimination)	National Statistics Office (NSO)	Oct. 10, 2014
Inovencio Tiempo Carbonilla, Jr. Meriam Olila Pales	BSCS IV	Passed	9 th IT Passport Examination; VSU	Oct. 26, 2014
Jerwin Indic Lipayon	BSCS IV	Passed	24 th Fundamental IT Engineers (FE) Examination; UP Tacloban	Oct. 26, 2014
Mark Anthoniel I. Guiñarez	BSS	4 th place – PSQ Show (Regional Level)	National Statistics Office (NSO)	Nov. 11, 2014



VSU athletes during the 30th SCUAA Meet at the University of Eastern Philippines, Catarman, Eastern Samar

(Javelin Throw Men); **Angelito R. Bocal, Mitch O. Del Coro, Jason Piamonte, and Ericson Piedraverde** - Swimming (4x200-meter Freestyle Relay); **Cristy E. Alvis** - Swimming (100-meter Breaststroke and 200-meter Backstroke); **Ian Mae S. Espinosa** - Swimming (100-meter Breaststroke and 50-meter Breaststroke); **Roda O. Capacao** - Swimming (400-meter Freestyle and 100-meter Freestyle); **Roda O. Capacao, Nyhia P. Alfeche,**

Cristy A. Aviles, and Ian Mae S. Espinosa - Swimming (4x50-meter Medley Relay); **Roda O. Capacao, Cristy A. Aviles, Janice B. Panilag, and Ian Mae S. Espinosa** - Swimming (4x100-meter Freestyle Relay); **Ron Gerald A. Gorre, Gerald T. Jumadas, Jethro Fred D. Tan, and Butch T. Oca** - Tennis Men; **Maricon C. Austero, Jinky D. Escala, Eugie Glyde M. Estrera, Maria Elena S. Guy-ab, Eva D. Homillano, Angelica C. Mangalo, Elvie Q.**

Moquiring, Angielyn D. Paule, Angela Pilapil, Soren B. Poliquit, Jeanyrose D. Quimco, and Bernadeth G. Tambale – Basketball Women; **Clar Don L. Evangelio, Christopher Diego A. Garcia, Jeve Ngoho, and Rezaldo M. Paloma** – Chess Men; **Jovanne Modina** – Taekwondo (Light Weight Men); **Jimmar Alkuino** - Taekwondo (Middle Weight Men); **Vince Sorilla** – Taekwondo (Heavy Weight Men); **Mary Rose Cañas** – Taekwondo (Heavy Weight Women).

VSU's candidates in the *Search for Mr. and Ms. SCUAA 2014* were among the top three winners: **Er Stephen Alvarado** – 1st Runner Up and **Mariet Marie L. Vilbar** – 2nd Runner Up.

Seven (7) VSU student leaders were sent as delegates to the following convention/congress: **Chrisalyn S. Malasaga, Joaquin Javier F. Balce, David Winston Tabada, Randy C. Briones** to the 35th PACSA Annual National Convention and the 19th PACS Annual National Convention for Student Leaders on November 22-25, 2014 while **Jessie James S. Layan, Clyde B. Managbanag and Shelah D. Doromas** to the Young Men's Christian Association (YMCA) Congress of Students at the Teacher's Camp in Baguio City.

Performance in Licensure Examinations

Four (4) VSU Main Campus graduates copped the top ten ranks in the different professional licensure examinations in 2014 while the Civil Engineering pioneer graduates got a 100% passing record in the different licensure examination (Table 6).

- **Nic Oswald M. Borines** copped the 3rd place in the 2014 *Agriculturist Licensure Examination* held on June 1-3, 2014.
- **Lemar N. Bacordo** garnered the 3rd place in the *Licensure Examination for Agricultural Engineers* on July 1-2, 2014. The result showed an institutional passing percentage of 100.0% compared to the national passing of 50.32%. Moreover, **Rey Mark L. Alfante** got the 6th place and **Arnulfo R. Antolihao** obtained the 8th place in the 2014 *Licensure Examination for Geodetic Engineers* held on August 19-20, 2014 with and institutional passing percentage of 92.86% and the national passing of 37.37%.



Mr. Nic Oswald M. Borines, 3rd placer in the 2014 Agriculturist Licensure Examination, during the oath-taking and awarding ceremony.

Table 6. Passing rate and number of topnotchers in professional licensure examinations in the VSU System.

LICENSURE EXAMINATION	DATE OF EXAMINATION	TOP 10 RANK	INSTITUTIONAL PASSING PERCENTAGE	NATIONAL PASSING PERCENTAGE
• VSU Main Campus				
Agricultural Engineers	July 1-2, 2014	3 rd place	100.0	50.32
Geodetic Engineers	August 19-20, 2014	6 th place & 8 th place	92.86	37.37
Certified Plant Mechanic	Oct. 7-8, 2014		100.00	54.24
Agriculturists	June 1-3, 2014	3 rd place	47.01	36.00
Chemists	Sept. 17-18, 2014		56.25	59.72
Foresters	July 14-15, 2014		30.00	40.30

Table 6. Continuation.

LICENSURE EXAMINATION	DATE OF EXAMINATION	TOP 10 RANK	INSTITUTIONAL PASSING PERCENTAGE	NATIONAL PASSING PERCENTAGE
Veterinarians	Sept. 2-4, 2014		25.00	33.03
Nurses	May 2014 Nov. 29-30, 2014		31.58 94.29	69.22 57.29
Teachers				
Elementary	January 2014		37.93	28.98
Secondary	January 2014		31.03	28.41
Elementary	Aug. 17, 2014		55.13	35.74
Secondary	Aug. 17, 2014		63.92	34.40
• External Campuses				
✓ Alangalang Campus				
Teachers				
Elementary	January 2014		100.00	29.89
Elementary	Aug. 17, 2014		48.00	35.74
Secondary	Aug. 17, 2014		20.00	34.41
✓ Isabel Campus				
Mechanical Engineers	Oct. 7-8, 2014		72.73	68.7
Teachers				
BSEd MAPE Major	Aug. 17, 2014		55.56	39.75
BSEd Math Major	Aug. 17, 2014		71.43	39.75
✓ Tolosa Campus				
Criminologist	Oct. 2014		40.27	43.40
Teachers				
Elementary	Aug. 17, 2014		48.38	35.74
Secondary	Aug. 17, 2014		67.00	34.40
✓ Villaba Campus				
Teachers				
Elementary	January 2014		66.67	28.98
Secondary	January 2014		100.00	28.41
Elementary	Aug. 17, 2014		54.84	35.74
Secondary	Aug. 17, 2014		83.33	34.40

Scholarships/Financial Assistantships/Grants

Sixty-two (62) or **22.0%** of the graduate students during the 1st semester of SY 2014-2015 enjoyed scholarships from accelerated Science and Technology Human Resource Development Project (ASTHRDP) - National Science Consortium (NSC) DOST-51, CHED-1, DA-ATI – 1, A and VSU Graduate Teaching Assistantship - 9.

A total of **1,955** or **28.29%** of the undergraduate students of the Main Campus during the 1st Semester of SY 2014-2015 enjoyed scholarships/grants: 416 - VSU scholarships and 599 -VSU grants-in-aid, and 940 scholarships funded by other agencies: CHED-*Tulong Dunong* – 265, LGU Baybay – 250, ESG-PA – 176, DOST-SEI -61, *Pagkaon* - 42, LGU Asturias -37, LGU Javier – 23, City Gov't. of Ormoc – 17, CHED-Merit -12, CHED-CSSGPCD – 10, IPI Foundation Scholarship – 8, DOLE-OWWA-OFWDSP- 7, IRRI-Land Bank Scholarship - 5, FA Bernardo FAP – 4, D. A. ACEF – 3, LGU Dalaguete – 3, CHED-One-Town-One-Scholar – 2, VSUCC2, VKV-

VLV-Fraternity/Sorority Scholarship – 2, PARRFI – 2, Tamayo Foundation – 2, and 1 each from LGU Hilongos, LGU Camotes, BAYER, LEYECO, San Isidro Labrador, East-West Seed Company, and Gov. Alfred Marañon Scholarship (Table 7).

A total of **473** students of **VSU Alangalang** availed of scholarships and grants from different sponsors during the 1st Semester of SY 2014-2015: Academic Scholars - 17, Honorific – 2, Rolando T. Celebre - 36, Jaro LGU – 51, Barangay Scholars - 35, Alangalang LGU -11, PDAF Scholarship – 22, SGP-PA (4P's)-34, CSSC -3, Capoocan LGU -2; San Miguel LGU-2, Belgium Scholarship -2, CHED Full Merit Scholars –4, CHED *Tulong Dunong* Scholar - 188, OFWDSP -3, *An Waray* Party List –32, IPI Scholarship -1 and Cash-for-Work Grant (VSU Alangalang -28; **230** students of **VSU Isabel** enjoyed the following scholarships/grants: University Scholarship –8, College Scholarship – 86, Honorific -8, *Sangguniang Kabataan/Sangguniang Barangay* –20, CA Financial Assistantship -15, CSSC Officers Grant – 6, Varsity Grant -4, Congressional (4th District) Scholarship -56,

KHDP -12, PASAR Foundation -5, An Waray Partylist -4, VSU-IC Alumni Association -3, SGP-PA (4P's) -2, CSSGPCD -1; 84 students of VSU Tolosa were recipients of the following scholarships: CHED-Tulong Dunong -36, BFAR Scholarship -30, SGRPA -15 and 1 each from ACEF, Bright Future Scholarship and Edward and Eva Underwood Charitable Foundation; and **220** students of **VSU Villaba**

availed of the following scholarships and grants: Honorific Scholarship - 2, Academic Grant A -8, Academic Grant B -24, E-SGP-PA (4Ps) -30, Barangay Official Dependents Grant -13, Band Member -15, ROTC -17, CSSC Officers -5, *An Waray Party List* -59, CHED Scholarship -44, KUL -2, and IPI Scholarship -1 (Table 8).

Table 7. Number of students (graduate and undergraduate) in the VSU Main Campus enjoying scholarships, assistantships and grants for the First Semester of SY 2013-2014 and SY 2014-2015.

PROGRAM	SCHOLARSHIP/GRANT	SY 2014-2015	SY 2013-2014
A. Graduate			
1. VSU Funded	• VSU Teaching/Research Assistantship	9	7
2. Non-VSU Funded	• GIZ	0	6
	• DOST-NSC	51	47
	• ATI	1	-
	• CHED	1	-
	• DA-ATI	0	5
	Total	62	65
B. Undergraduate			
1. VSU- Funded	• Entrance Full	5	8
	• Entrance Partial	14	13
	• Honorific	44	60
	• College	274	226
	• University	79	50
	• Academic A	260	202
	• Academic B	1	0
	• BSAE-FAP	17	24
	• BSF-FAP	30	38
	• CA Financial Assistantship	92	101
	• CAC-Chorale	16	11
	• CAC-Dance Troupe	10	15
	• CAC-Rondalla	0	6
	• CAC-Visual Arts	0	1
	• Income Grant	35	47
	• NSTP-ROTC Grant	16	15
	• Staff Dependent Grant	18	28
	• SB/SK Grant	49	38
	• Varsity Grant	49	32
	• USSC/CSSC Officers' Grant	6	24
	Sub-total	1,015	939
2. Non-VSU Funded	• BAYER	1	1
	• ATI-YAFP	0	2
	• BS Meteorology Scholarship	0	3
	• City Gov't/Gov't of Ormoc	17	20
	• CHED-One-Town-One-Scholar	2	4
	• CHED-Merit	12	12
	• CHED-CSSGPCD	10	11
	• CHED-Tulong-Dunong	265	4
	• Cong. Cari Scholarship	0	418
	• D.A. ACEF	3	5
	• DIWA Party List	0	9
	• DOLE-OWWA-OFWDSP	7	6
	• DOST-SEI	61	45
	• East-West Seed Company	1	-
	• ESG-PA	176	-
	• FA Bernardo FAP	4	5
	• Gov. Alfred Marañon Scholarship	1	1
	• LEADS Agri Scholarship	0	2
	• LEYECO	1	0

Table 7. Continuation.

PROGRAM	SCHOLARSHIP/GRANT	SY 2014-2015	SY 2013-2014
2. Non-VSU Funded	<ul style="list-style-type: none"> • LGU Asturias • LGU Camotes • LGU Dalaguete • LGU Hilongos • LGU Javier • LGU Baybay • Pagkaon Scholarship • PARRFI • IPI Foundation Scholarship • SGP-PA Scholarship • ViSCCO • VKV-VLV Frat/Sor Scholarship • IRRI-LANDBANK Scholarship • Tamayo Foundation • San Isidro Labrador 	37 1 3 1 23 250 42 2 8 0 2 2 5 2 1	30 1 0 1 24 200 45 4 - 11 2 2 0 - -
	Sub-Total	940	868
	TOTAL	1,955	1,807

Table 8. Number of undergraduate scholars in the VSU External Campuses for the 1st Semester of SY 2013-2014 and SY 2014-2015.

TYPE OF SCHOLARSHIP	SY 2014-2015	SY 2013-2014
1. VSU Alangalang		
<ul style="list-style-type: none"> • Academic • Honorific • Barangay • CSSC • Alangalang LGU • Capoocan LGU • Jaro LGU • San Miguel LGU • CHED Full Merit • CHED Congressional • CHED One-Town-One Scholar • CHED Tulong Dunong • An Waray Party List • PDAF Scholars • DOST • Mayor Rolando T. Celebre (RTC) • SGP-PA (4P's) • DA-ACEF • OFWDSP • IPI Scholarship • Belgium Scholarship • Cash-for-Work Grant (VSU Alangalang) 	17 2 35 3 11 2 51 2 4 0 0 188 32 22 0 36 34 0 3 1 2 28	14 1 66 3 21 4 79 2 3 1 2 3 4 24 1 67 10 3 3 0 0 0
Total	473	311
2. VSU Isabel		
<ul style="list-style-type: none"> • Honorific • University • College • CSSC Officers Grant • Varsity Grant • CA Financial Assistance • Sangguniang Kabataan/Sangguniang Barangay • An Waray Partylist • KHDP • 4 P's (ESGP-PA) • Congressional (4th District) Scholarship • VSU-IC Alumni Association • CSSGPCD 	8 8 86 6 4 15 20 4 12 2 56 3 1	2 3 20 3 0 6 13 0 0 - 0 3 0

Table 8. Continuation.

TYPE OF SCHOLARSHIP	SY 2014-2015	SY 2013-2014
• DOST-SEI	0	1
• PASAR Foundation	5	1
• Personal	0	1
Total	230	53
3. VSU Tolosa		
• Full Merit	0	20
• Half Merit	0	1
• FM Scholars	0	58
• Barangay Scholarship	0	49
• CHED - Tulong-Dunong	36	2
• YAFP Scholarship	0	7
• DA-ACEF Scholarship	0	1
• One-Town-One-Scholar Program	0	2
• Edward & Eva Underwood Charitable Foundation	0	2
• BFAR Scholarship	30	11
• SGP-PA	15	0
• ACEF	1	0
• Bright Future Scholarship	1	0
• One-Barangay-One Scholar Program	0	1
• Dept. of Social Welfare & Development (DSWD)	0	12
• DIADEM	0	26
Total	84	192
4. VSU Villaba		
• Honorific	2	16
• Academic Grant A	8	19
• Academic Grant B	24	-
• 4 Ps (E-SGP-PA)	30	5
• Barangay Official Dependents Grant	13	13
• Band Member	15	21
• ROTC	17	7
• CSSC Officers	5	6
• An Waray Party List	59	4
• CHED	44	2
• KUL	2	-
• IPI	1	-
Total	220	93

Moreover, 277 or 55% of high school students enjoyed VSU Scholarship and Grant: Full – 38, Partial - 157, Honorific - 36, and Band Members - 46.

An average of 85 students in the Main Campus were hired as student assistants from January to December 2014. Moreover, fourteen (14) student borrowers availed of the SAFE loan window available for the students' financial need. Furthermore, five (5) insurance claims of students were processed by the University Student Services Office (USSO) for the concerned student claimants.

FACULTY

Strength

Two hundred ninety-five (295) faculty members of the VSU Main Campus (88 PhD, 132 MS/MA, and 75 BS) carried out their instruction, research, extension, and production activities. Thirty-five (35) were detailed in research centers (17 PhD, 17 MS/MA/MEd, and 1 BS) and the rest were in the academic departments.

A total of 117 faculty members of the external campuses supported their various programs: VSU Alangalang - 29 (4 PhD, 12 MS, 13 BS); VSU Isabel – 36 (1 PhD, 9 MS, 26 BS); VSU Tolosa – 28 (2 PhD, 17 MS, 9 BS); and VSU Villaba – 24 (4 PhD, 13 MS, 7 BS).

New Recruits

Twenty three (23) faculty members were hired in the Main Campus in 2014: two (2) were Ph.D., 10 MS and 11 BS (with MS units) degree holders that were distributed in the different departments of the university (Table 9).

Staff Development

Faculty who left for graduate studies in 2014

Ten (10) faculty members and one research staff of the Main Campus left for graduate studies at various universities in the Philippines and abroad. They are recipients of various scholarships such as VSU fellowship, Erasmus Mundus and ASTHRDP (DOST) (Table 10).

Table 9. New Recruits.

NAME	DEPT./ CENTER	HIGHEST DEGREE	SPECIALIZATION	UNIVERSITY WHERE OBTAINED
Henry Y. Goltiano	DAEE	PhD	Extension-Education	UPLB
Angelica P. Baldos	DFS	PhD	Forest Sci. & Tech.	University of Goettingen
Hannah Rissah F. Abad	DMPS	MS	Physics	UP Diliman
Ris Menoel R. Modina	DBS	MS	Zoology	UP Los Baños
Maricel V. Lim	DCST	MS	Computer Science	AMA Computer College
Babylyn C. Lambert	DE	M	Business Admin.	Univ. of San Carlos
Michael Carlo C. Villas	DLABS	M	English	Leyte Normal University
Nello D. Gorne	DA	MS	Agronomy	ViSCA
Hannah Mae E. Quimbo	DCHM	M	Business Ad – HRTM	University of Cebu
Eileen B. Bandalan	DFST	MS	Food Scie & Tech.	VSU
Aljay D. Valida	DOH	MS	Horticulture	VSU
Cecille Marie O. Quiñones	DSS	MS MS	Soil Science; Forest Ecology	VSU; University of Goettingen
Mark C. Ratilla	DBM	BS	Agribusiness	Visayas State University
Julien A. Resos	DPBG	BS	Plant Breeding	VSU
Eulalio C. Colubio	DGE	BS	Geodetic Engineering	VSU
Nelson H. Tejera	VLHS	BS	Information Tech.	So. Leyte State University
Raffy Andrew G. Loreto	DCE	BS	Architecture	USC
Jett C. Quebec	DLABS	AB Arts	Communication	UP Tacloban
Rommel M. Garredo, Jr.	DPBG	BS	Agriculture	VSU
Yhena P. Lazona	DoPAC	BS	Chemistry	VSU
Shiela N. Romero	DVPCS	DVM	Veterinary Medicine	VSU
Lyndon L. Maningo	IHK	BS	MAPEH	VSU
Andrew A. Mazo	IHK	BS	MAPEH	VSU

Table 10. Faculty and staff who left for graduate studies in 2014.

NAME	DEPT./ CENTER	DEGREE SOUGHT & SPECIALIZATION	UNIVERSITY	SCHOLARSHIP
Deejay S. Maranguit	DSS	Ph.D. – Soil Science	Germany	EXPERTS
Marisel A. Leorna	NCRC	Ph. D.- Food Science	UPLB	VSU Fellowship
Berna Lou L. Aba	DBS	Ph. D. - Microbiology	UPLB	VSU Fellowship
Luz G. Asio	PhilRootcrops	Ph.D. – Agronomy	CLSU	ASTHRDP – NSC (DOST)
Jacob Glenn F. Jansalin	DoPAC	Ph.D. - Chemistry	USC, Cebu	VSU Scholarship
Marilyn N. Manaig	DTE	Ph. D. – Language Teaching	CNU, Cebu City	VSU Fellowship
Guiraldo C. Fernandez, Jr.	DLABS	Ph.D. - Philosophy	USC, Cebu	VSU Fellowship
Charis B. Limbo	VLHS	DEd. - Physical Education	SWU Cebu City	VSU Fellowship
Nancy C. Donayre	VLHS	Ph. D. - Science Education - Mathematics	WVSU	VSU Fellowship
Shalom Grace C. Sugano	VLHS	Ph. D. - Science Education - Chemistry	MSU– Iligan Institute of Technology	VSU Fellowship
Christy M. Desades	VLHS	Ph. D. - Science Education - Biology	MSU-IIT	VSU Fellowship

Faculty members who returned from graduate studies in 2014

Ten (10) faculty members of the Main Campus returned from their graduate studies in 2014: 5 with Ph. D./DEd degrees and 5 with masteral degrees.

- **Senona A. Cesar** - *Ph.D. in Biology - Marine Biology* at University of San Carlos, Cebu City
- **Dennis P. Peque** - *Ph.D. in Forestry major in Forest Inventory* at Georg August University, Goettingen, Germany
- **Elizabeth S. Quevedo** - *Ph.D. in Plant Physiology and Chemistry/PhD in Ag. Chemistry* at National Taiwan University, Taipei, Taiwan and UP Los Baños, Laguna
- **Moises Neil V. Serioño** - *Ph.D. in Dev Economics* at Georg August University, Goettingen, Germany
- **Aleli A. Villocino** - *Ph.D. in Physical Education* at Southwestern University, Cebu City
- **Jayzon G. Bitacura** - *MS- Molecular Biology* at Vrije Universiteit Brussels, Brussels, Belgium

- **Salvador M. Catre, Jr.** - *MA Education - English Language Teaching* at Cebu Normal University, Cebu City
- **Manuel D. Gacutan, Jr.** - *MS – Animal-Derived Foods* at Copenhagen, Denmark; Sweden, Helsinki, Finland; Barcelona, Spain
- **Elvira E. Ongy** - *MS in Engineering major in Industrial Engineering* at De La Salle University, Manila
- **Harvie P. Portugaliza** - *MS in Topical Animal Health (MSTAH)-Option Disease Control* at Institute of Tropical Medicine, Antwerpen, Belgium

Honors and Awards

Thirty-nine (39) faculty and staff received awards from international, national, regional, and local agencies for their outstanding performance in their field of specializations. (Table 11).

Seminars/Workshops/Trainings Attended

To promote quality instruction and uphold excellence in teaching, the faculty members of the University System attended different seminars, trainings, conferences, workshops in their fields of

specialization. During the year, a total of 1,130 academic staff of the VSU System attended 634 trainings/seminars/conferences which included 83 international, 188 national, 118 regional, and 245 local trainings.

Table 11. Honors and awards received by faculty and staff in 2014.

NAME	DEPT/OFFICE	NAME OF AWARD	AGENCY	DATE GIVEN
<u>INTERNATIONAL</u>				
Dr. Victor B. Asio	DSS	2014 SEARCA Professorial Chair	SEARCA	April 2014
Mr. Manuel D. Gacutan, Jr.	DAS	Outstanding Master's Thesis	University of Copenhagen & Denmark Technical University	Aug. 8, 2014
Dr. Lolito C. Bestil Mr. E. J. Escala	DAS	Best Session Paper	IICBE International Conference on Chemical Env't. & Biological Sciences	Sept. 17-18, 2014
<u>NATIONAL</u>				
Dr. Berta C. Ratilla	DA	Best Paper – 1 st place (Applied Research Category)	Agricultural Training Institute (ATI)	January 30, 2014
Prof. Villaluz Z. Acedo Ms. Ivy Valida	PhilRootcrops	Best Poster	Phil. Asso. for Plant Tissue Culture and Biotechnology, inc.	April 24, 2014
Dr. Roberto C. Guarte	DAE	Outstanding Agricultural Engineer in Renewable Energy	Phil. Society of Agricultural Engineers (PSAE)	April 25, 2014
Dr. Daniel Leslie S. Tan	PhilRootcrops	Outstanding Agric. Engineer in Crop Processing Best Paper in Crop Processing	Phil. Society of Agricultural Engineers (PSAE)	April 25, 2014
Prof. Manuel E. Casangcapan	DAE	Outstanding Agric. Engineer in Agric.. Engineering Educ.	Phil. Society of Agricultural Engineers (PSAE)	April 25, 2014
Dr. Feliciano G. Sinon	NARC	Outstanding Agric. Engineer in Agricultural Machinery	Phil. Society of Agricultural Engineers (PSAE)	April 25, 2014
Engr. Jeremiah M. Añasco	DAE	2013 Top 1 in Agricultural Engineering Board Exam	Phil. Society of Agricultural Engineers (PSAE)	April 25, 2014

Table 11. Continuation.

NAME	DEPT/OFFICE	NAME OF AWARD	AGENCY	DATE GIVEN
<u>NATIONAL</u>				
Prof. Tessie C. Nuñez	NCRC-V	2014 Outstanding Technology Commercialization (Gregorio Y. Zara Medal)	Department of Science & Technology (DOST)	July 24, 2014
Dr. Lualhati M. Noriel Dr. Beatriz S. Belonias	DPM DBS	Certificate of Appreciation & a book from AACCUP	AACCUP	Oct. 24, 2014
Dr. Lorena A. Galvez	DFST	Publication Incentive	PCAARRD	Oct. 2014
Dr. Edgardo E. Tulin	PhilRootcrops/ OVPI	Presidential CSC Lingkod ng Bayan Awardee, National Category	CSC National Office	Dec.15, 2014
<u>REGIONAL</u>				
Dr. Rommel B. Armecin	NARC	Region VIII Qualifier for Natural Sciences	CHED	May 20, 2014
Ms Magnolia C. Lao	DCHM	NCII Assessor in Bar Tending	TESDA	2014
Prof. Villaluz Z. Acedo Ms. Catherine C. Arradaza Ms. Cherie D. Atilano Ms. Geraldine S. Gumpo-as Ms. Dianan Marie A. Tayong Ms. Chenille Ann S. Redona Ms. Ivy A. Valida Crishelo M. Cabillo	PhilRootcrops	Outstanding Paper Award (Basic Research Category)	ViCARP-RRDEN	June 19-20, 2014
Prof. Villaluz Z. Acedo Ms. Nylanie G. Hinay Ms. Meriam M. Binongo Ms. Judy Q. Antona	PhilRootcrops	1 st place - Best R&D Poster	ViCARP	June 19-20, 2014
Dr. Feliciano G. Sinon	NARC	2 nd place - Best R&D Poster	ViCARP	June 19-20, 2014
Dr. Daniel Leslie S. Tan Prof. Ramon R. Orias Dr. Julie D. Tan Prof. Nilda T. Amestoso Dr. Julieta R. Roa	PhilRootcrops PhilRootcrops PhilRootcrops DBM PhilRootcrops	5 th place - Best R&D Poster	ViCARP	June 19-20, 2014
Dr. Edgardo E. Tulin	PhilRootcrops/ OVPI	Presidential CSC Lingkod ng Bayan Awardee, Regional Category	CSC Region VIII	Sept.26, 2014
Ms. Miraflor A. Serato (VSU Villaba)	VSU Isabel	Certificate of Recognition – 9 th place in the CSC Sub-Prof Examination	CSC Region VIII	Oct. 26, 2014

RESEARCH



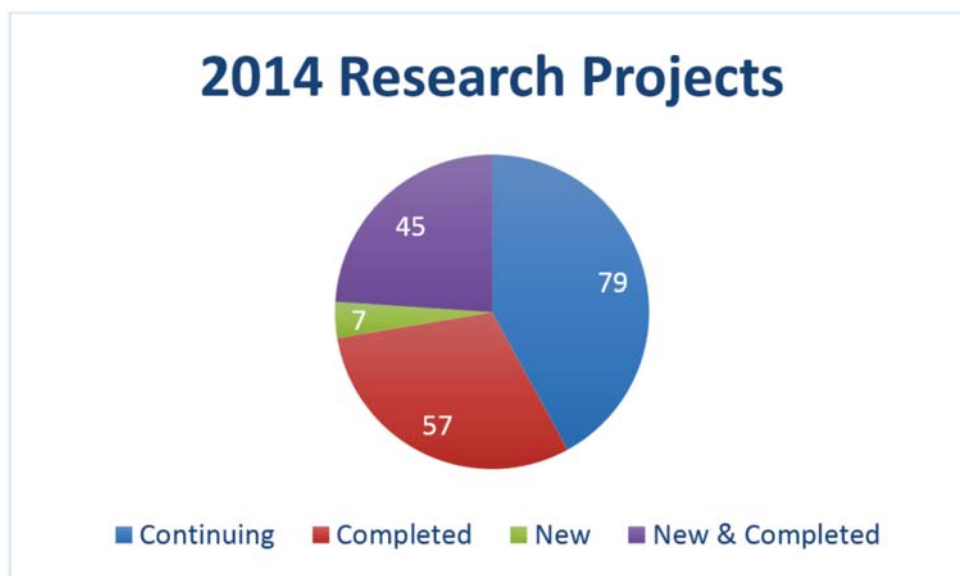


Figure 1. Chart showing the status of Research Projects for 2014

In 2014, VSU implemented a total of 188 research projects/studies, 57 of which were completed in that year and 79 are still ongoing. In addition, 52 new research projects were

implemented. (Fig 1 and Table 12). Figure 2 shows the distribution of the projects by commodity and discipline.

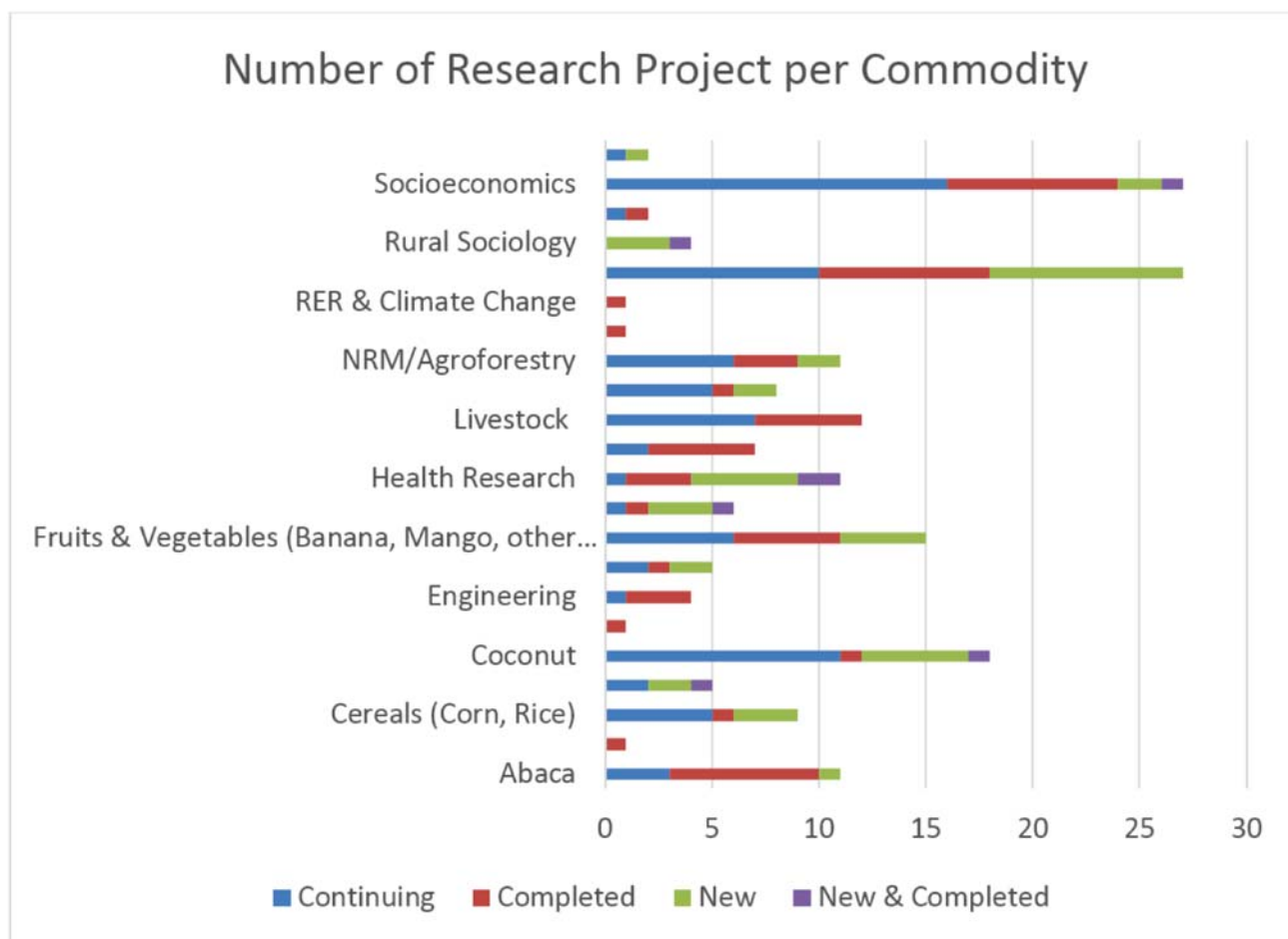


Figure 2. Number of Research Project Per Commodity.

Table 12. Detailed list of research programs/projects conducted in 2014.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION		
			START	END	
<u>Continuing Projects</u>					
1	National Abaca Germplasm Collection, Maintenance and Use (Phase III)	Abaca	LO Moreno/ Gapasin RM	Jan. 2006	Dec. 2010; Dec. 2013; Dec. 2016
2	NRCCTP - Cassava (Project)	Rootcrops	Mariscal AM	Jan. 2011	Dec. 2015
3	NRCCTP - Taro/gabi (Phase III) (Project)	Rootcrops	Ferraren DO	Jan. 2011	Dec. 2015
4	Taro breeding for adaptability to different agronomic management schemes and environmental conditions (Phase III): Resistance to Leaf Blight, High Dry Matter Content and Starch Content? See Development and improvement of taro varieties with emphasis on yield, high dry matter content, low acidity and resistance to Phytophthora leaf blight for 2 nd sem 2013-2014	Rootcrops	Ferraren DO	Jan. 2010	Dec. 2015
5	Collection, maintenance, documentation and evaluation of taro germplasm in the Philippines	Rootcrops	Ferraren DO		continuing 2014
6	Breeding (of) sweetpotato for yield and quality (Phase IV)	Rootcrops	Bacusmo JL	Jan. 2011	Dec. 2015
7	Development and improvement of process for the production of some selected rootcrops food products (Phase II)	Rootcrops	Tan JD	Jan. 2011	Dec. 2015
8	Prj: Collection and characterization of local and introduced cultivars (Project)	Coconut	Baliad ME	Jan. 1, 1983 (Phase I), Jan. 2001 (Phase II)	continuing
9	Screening of high value heliconia and ginger varieties under coconut/ screening of high value <i>Zingiber</i> , <i>Musa</i> and its allies under coconut	Coconut	Baliad ME	Jan. 1, 2007 (Jul. 2008)	continuing
10	National corn testing project (Phase IV) (Project)	Corn	Capuno OB	Apr. 2010	Dec. 2015
11	Varietal screening in rice for resistance to pests and diseases (Phase II) (new: Screening of Rice Selections for Resistance to Insect Pests and Diseases) (Project)	Rice	Lim JL / de Pedro LB, Ubaub LT	Jan. 1999 (1978); Jan. 2010; Jan. 2013	Dec. 31, 2010; Dec. 2013; 2016
12	NCT Testing for vegetable legumes: Regional Advance trials for vegetable legumes and cucurbits (Phase III) /Regional advance trials vegetable legumes and cucurbits (Phase III)	Vegetables	Salas RA / Gonzaga ZC	Jan. 1990	12/31/2010 (continuing)
13	Regional testing for legumes/ solanaceous crops (Phase III)	Vegetables	Briones ED	Jan. 2001 (Phase III); April 2009	12/31/2010; December 2012; continuing

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
14 Correlative analysis of academic achievement and performance in Licensure Exam among LSU graduates (<i>Correlative Analysis of Academic Achievement and Performance of Reviewees at LSU-URC in Licensure Exam</i>)	Higher Education	Cuadra L, Abela R, Sandoval S.	Mar. 2006	continuing
15 Design and development of a portable diesel engine-driven coconut dehusker	Coconut	Sudaria EE	2011	continuing
16 Design and development of a cocoshell charcoal burner using the flat bed force draught dryer for white copra production and palay drying	Coconut	Sudaria EE	2011	continuing
17 Comparative Productivity of Dwarf and Tall Cultivars Using Different Population Densities	Coconut	Dingal AG	Sept. 2010	2015
18 Methods of Harvesting and its Effects on the Performance of Seedlings	Coconut	Dingal AG	Jul. 2011	Jul. 2016
19 Physico-chemical evaluation of VSU coco varieties for cocofresh	Coconut	Nuñez TC/ Andrino-Leorna MT	2011 (Jan)	Continuing
20 Consumer acceptance of VSU cocofresh	Coconut	Nuñez TC/ Andrino-Leorna MT	2011 (June)	continuing
21 Utilization of pressed coconut meal (sapal) for baked food products	Coconut	Nuñez TC/ Andrino-Leorna MT	2011 (Aug. 2010 as per AIHR 2013)	July 2012 (continuing)
22 Utilization of cocowater into flavored probiotic beverage (Phase I): Screening of the different naturally-based flavorants/ Screening of the natural flavorants	Coconut	Nuñez TC/ Andrino-Leorna MT	2011	continuing
23 Determination of the Mode of inheritance and utilization of the "Pandan-aroma" gene(s) in the development of aromatic coconut varieties/ A Study on the Nature and Inheritance of "Pandan-Aroma" Gene in Coconut	Coconut	Nuñez TC	Sep. 2011	continuing
24 Core Competencies of Nursing Units of the Hospitals Affiliated with Visayas State University, Baybay City, Leyte	Health Research	Perez AAN	Jun. 2013	2015
25 Development of a Web-Based R&D Information Management System (RDIMS)	Engineering/ R&D MIS	Tabada WM	2013	continuing
26 Scoping Study on Zoonotic Diseases in Eastern Visayas	Livestock	Balala LM, Lañada EB	Jun. 2013	2015
27 Liquid nutrient formulations for high value vegetable production	Vegetables	Salas FM, Salas RA	May 1, 2013	May. 2015
28 Cost Effective Integrated Pest Management in the Production of Clean Planting Materials (with 2 studies)	Rootcrops	Vasquez EA	2011	continuing

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
29 Misconceptions about the Laws of Exponents among Grade 8 Students in Caridad National High School	Higher Education	Ycong HG	Jun. 2013	Jan. 17
30 Varietal screening in rice for resistance to pests and diseases (Phase II) (with 2 studies)	Rice	Lim JL/ de Pedro LB, Ubaub LT	Jan. 2010; Jan. 2013	Dec. 2016
31 Integrated and Diversified Program of the Ormoc-Kananga (OK) Upland Range (O-K Range Project)/ PMPC-EDC-NABCOR-VSU-DA Agri-Pinoy Integrated and Diversified Program for Development of the Ormoc-Kananga Upland Range	NRM	Acedo AL Jr. , Arradaza CC, Briones ED, Gonzaga ZC	Nov. 2011	Oct. 2016
32 OK Range Integrated Program	NRM	Acedo ALA Jr., Abamo AP, Bestil LC, Quimio Jm and Quirol PT (Tech. Coor.)	Nov. 2011	Oct. 2016
33 Improving and diversifying commercial vegetable production (Project 1)	Socioeconomics (NRM)	Salas RA, Gonzaga ZC , Borines LM , Gerona RG , Armecin RB, Salas FM	Nov. 2011	Oct. 2016
34 Commercial cutflower production to diversify and increase farm income (Project 2)	Socioeconomics (NRM)	Briones ED, Arradaza CC, Acedo VZ	Nov. 2011	Oct. 2016
35 Fruit tree production for improved productivity and environmental conservation (Project 3)	Socioeconomics (NRM)	Quirol PT (PL)	Nov. 2011	Oct. 2016
36 Biodiversity coffee and cacao production to diversify upland horticulture (Project 4)	Socioeconomics (NRM)	Ramos AD (PL), Benitez MM	Nov. 2011	Oct. 2016
37 Commercial production of bioorganic fertilizer supporting organic horticultural systems (Project 5)	Socioeconomics (NRM)	Armecin RB (PL), Ramos AD	Nov. 2011	Oct. 2016
38 Development of horticultural consolidation center, postharvest management and quality assurance systems (Sub-Program 2)	Socioeconomics		Nov. 2011	Oct. 2016
39 Establishment of consolidation center and postharvest infrastructure (Project 1)	Socioeconomics (NRM)	Acedo AL Jr. Sudaria EE, Quevedo MA	Nov. 2011	Oct. 2016
40 Sustainable cow-calf operation with upland farmers in the Ormoc-Kananga Range (Project 1)	Socioeconomics (Livestock)	Bestil LC, Abela JV	Nov. 2011	Oct. 2016
41 Sustainable ewe-lamb operation with upland farmers in the Ormoc-Kananga Range (Project 2)	Livestock	Bestil LC, Come W	Nov. 2011	Oct. 2016
42 Vegetable supply chain analysis (Project 1)	Socioeconomics (NRM)	Abamo AP, Bulayog MSB	Nov. 2011	Oct. 2016

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
43 Market development and marketing support (Project 2)	Socioeconomics	Abamo AP (PL), Bulayog MSB (Proj. Staff)	Nov. 2011	Oct. 2016
44 Environmental monitoring (Proj. 1)	NRM/ Agro forestry	Quimio JL (PL), Patindol TA (Proj. Staff)	Nov. 2011	Oct. 2016
45 Environmental enhancement (Proj. 2)	NRM/ Agro forestry	Quimio JL (PL), Patindol TA (Proj. Staff)	Nov. 2011	Oct. 2016
46 Microbial-Induced Mobilization of Micronutrient from Soil Minerals from Different Soil Environments for Increased Yield and Improved Nutritional Quality of Sweet Potato and Purple Yam	Rootcrops	Tulin EE, Tulin AB	Mar. 2012	Mar. 2015
47 Improvement of Yam Production System Through Tissue Culture-Derived Plantlets and Microtubers and breaking Tuber Dormancy for Continuous Production of Planting Materials	Rootcrops	Acedo VZ	2012	2016
48 Enhancing Farm Productivity and Environmental Quality in Climate Change Vulnerable Marginal Uplands of Eastern Visayas (Program)	Socioeconomics	Capuno OB (Program Leader)	Jan. 2013	2016
49 Soil and Environmental Quality Enhancement in Climate Change-Vulnerable Marginal Uplands (SEQEMU Project) (Project 1) with 6 studies	Climate change (NRM)	Asio VB, Villamayor FP, Lina SB and Maranguit DS, Tulin AB and Salomon JM, Come RS and Bande JMM, Belonias BS	Jan. 2014	2016
50 Evaluation of Improved and Sustainable Crop Management Strategies for Marginal Uplands in Eastern Visayas (Project 2) with 4 studies	Farming System	Capuno OB, Ratilla RC, Cagasan UA and Alcober EAL, Gonzaga ZC, Ceniza MJC	Jan. 2015	2016
51 Development of Appropriate Production and Postharvest Technologies for Marginal Uplands (Project 3) with 6 studies	Socioeconomics	Tan DLS, Sinon FG and Loreto AB, Tan DLS and Sinon FG, Quevedo MA and Ramos AD, Tan JD	Jan. 2016	2016
52 Improving Livestock Production Systems in Climate Change Vulnerable Marginal Uplands (Project 4) with 5 studies	Livestock	Bestil LC, Come WB, Espina DM and Gacutan MD Jr., Lañada EB, Bestil LC, Atole AFF, Abela JV; Taveros AA (JVAbela)	Jan. 2017	2016

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
53 Design and Pilot Implementation of Initiatives for Improved Food Production and Environmental Quality Marginal Uplands in Eastern Visayas (Project 5) with 4 studies	Socioeconomics	Cagasan EG, Bulayog EF, Tabada MATW, Bales MC	Jan. 2018	2016
54 Rehabilitation of abaca plantation through adoption of high yielding and virus resistant abaca hybrids	Abaca	Gapasin RM, Tulin EE, Duatin FMY	Oct. 2012	Mar. 2015
55 Increasing preweaning goat survival thru novel kid health strategies (Project 4). Packaging and promotion of the MCM dewormer towards commercialization	Livestock (Goat)	Fernandez TJ, Acabal AM, Vasquez EA, Quilicot AMM, Acabal AD, Laguna C & Nocillas V, Portugaliza HP	Oct. 2012	Sep. 2015
56 Induction and Molecular Characterization of Systemic Acquired Resistance (SAR) for the Control of Fusarium Wilt in Abaca (with 3 components)	Abaca	Gapasin RM, Lim JL/ Piamonte RT	Apr. 2013	May-15
57 Design and Development of Aerial Mapping and Imaging Systems and Standards. Project Component: Aerial Imagery for Critical Infrastructure, Precision Farming and Disaster Science in the Visayas (MOA). Program: Research Development and Capability Building Program on Disaster Science (MOA)	GIS	Loreto AB (Co-PL), Bencure JC, Lasquites JJS (Proj. Staff)	Apr. 2013	2016
58 S&T Community-Based Farm on the Use of Flushing and Supplementation to Enhance the Carabao-Based Dairy Farms in Baybay, Leyte	Livestock	Gabunada FG Jr., Siddiqui EP (Proj. Team Member: Mar.16,2014-Dec. 31, 2014)	Dec. 1, 2012	Nov 1, 2015
59 Reproductive Manipulation, Production of Good Quality Dairy Buffaloes, Protocol Formulation in the Feed Utilization of <i>Tricanthera gigantea</i> ad Malunggay (<i>Moringa oleifera</i>) Leaf Meal Fortified with Probiotics in Reducing Feed Cost for Livestock Feeding Under Organic Management and Buffalo Milk By-products Development, Utilization and Commercialization (with 9 studies)	Livestock (PCC)	Abela JV, Milla NE, Taveros AA Abela JV, Lopez IFM, Lauzon RD, Galvez LA	Jul. 1, 2013	Jul. 1, 2016
60 Advanced Phenotypic Characterization of the Philippine Carabao and its Crosses in Region VII (with 4 studies)	Livestock	Abela JV (PL). SLs: Milla NE, Ramoneda BM, Taveros AA, Taveros AM	Jul. 1. 2013	Jul. 1, 2015

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
61 Nursery propagation of sago palm suckers and wildlings for plantation development	Sago	Quevedo MA, Lina SB; Teodosio LM (Aklan State U as PL)	Jul. 1, 2013	Jul. 1, 2015
62 Utilization of sludge and ash mixture from the production of alcohol from molasses as source of nutrients for lowland rice	Rice/ Cereals & Legumes	Villamayor FP	Sep. 2013	Jul. 7, 1905
63 Establishment of community-based multi-species hatchery	NRM	Loreto MB Jr.	2013	2016
64 Commercial Production of Bio-Organic Fertilizer Supporting Organic Horticultural Systems	Sustainable Agriculture	Armecin RB	Sep. 2013	Aug. 2015
65 Adoption of Bhoochetana Principles and Approach in Boosting Agricultural Productivity in the Rainfed Areas of Region 8	Farming System	Capuno OB, Lina SB	2013	continuing
66 Land -use Intensity and Ecological Engineering-Assessment Tools for Risk and Opportunities in Irrigated Rice Based Production Systems (LEGATO Project)	Rice	Escalada MM	Mar. 2011	Feb. 2016
67 Adapting Clonally Propagated Crops to Climate and Commercial Changes (ACPCCCC Project)	Rootcrops	Ferraren DO	Jan. 2011	Dec. 2015
68 Improving Watershed Rehabilitation Outcomes in the Philippines Using a Systems Approach (Watershed Rehabilitation Program	NRM	Pasa AE, Mangaoang EO, Gravoso RS, Cortes JAD, Ferraren AA, Goltiano HY, Bernaldez SO, Polinar AN, Come RS	Aug. 2012	Aug. 2017
69 Success Factors for Watershed Rehabilitation projects in the Philippines (Project 1) with 2 studies & 6 sub-studies	NRM/ Agro forestry	Pasa AE, Gravoso RS, Gregorio NO, Ferraren AA, Come RS, Polinar AN and Bernaldez SO, Goltiano HY and Cortes JAD, Mangaoang EO	Aug. 2012	Aug. 2017
70 Baseline Assessment of the Pilot Sites (Project 2) with 3 studies	NRM/ Agro forestry	Pasa AE and Gravoso RS, Ferraren AA, Goltiano HY, Cortes JAD, Mangaoang EO	Aug. 2012	Aug. 2017

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
71 Design and Implementation of Initiatives in Support of Watershed Rehabilitation (Project 3) with 3 studies	NRM/ Agro forestry	Pasa AE and Gregorio NO, Gravoso RS, Mangaoang EO and Goltiano HY, Cortes JAD	Aug. 2012	Aug. 2017
72 Participatory Monitoring and Evaluation (Project 4) with 3 studies	NRM/ Agro forestry	Pasa AE and Gravoso RS, Cortes JAD, Goltiano HY and Mangaoang EO, Mangaoang YD	Aug. 2012	Aug. 2017
73 Integrated Crop Management (ICM) to Enhance Vegetable Profitability and Food Security in the Southern Philippines and Australia	Vegetables	Capuno OB (Country Prog. Coord.), Borines LM (Comp. Leader: Plant Path), Gonzaga ZC (Comp. Leader: Agron), Gerona RG (Comp Leader: Entom), Armenia PT (Econ)	Feb. 2013	Jun. 30, 2017
74 Developing Vegetable and Fruit Value Chains and Integrating Them with Community Development in the Southern Philippines	Socioeconomics	Abamo AP, Teves JR (Junior Economist; Comp. leader as per leave status: April 8, 2014), Baliña FT (Social Scientist and Com. Dev. specialist), Salas RA (Senior Horticulturist)	Oct. 2013	2017
75 Advancing Strategies for Sustainable Soil and Nutrient Management in Southern Philippines and Tropical Australian Vegetable Production	NRM	Asio VB	Oct. 2013	2017
76 Tropical Fruit Research and Development in the Philippines and Northern Australia to Increase Productivity, Resilience and Profitability (MOA)/ Jackfruit and Emerging Tropical Fruit Research and Development in the Philippines and Northern Australia (proposed)	Jackfruit	Borines LM, Lauzon RD, dela Cruz C (DA-8), Loquias V (BPI-Davao)	Sep. 2013	Nov. 30, 2017

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION		
			START	END	
77	Improved Postharvest Management of Fruit and Vegetables in the Southern Philippines and Australia	Fruits &Vegetables	Acedo AL Jr., Benitez MA (Apr 2014-Oct 2015), Sudaria EE Salabao AA (Nov 2014-Oct 2015), Valida AD (Sept 2014-Oct 2015 including EES)	Sep. 2013	Aug. 31, 2018
78	Assessment and valuation of natural assets in the aquatic agricultural systems of Sogod Bay, Southern Leyte, Philippines: A baseline study	Socioeconomics	Bulayog MSB, Patindol TA, Montes HR Jr., Lina SB, Diola AC, Espinosa ED	Sept. 1, 2013	Jul. 2015
79	Grab and grow: An interdisciplinary perspective on large-scale land appropriations. Gulf-State concessions in Indonesia and the Philippines: Contested control of agricultural land and foodcrops (Project 5)	Socioeconomics	Dargantes BB (collaborator)	2013	continuing
<u>Completed Projects</u>					
1	Increasing abaca plant variability through conventional breeding method and evaluation of promising abaca varieties, hybrids and accessions	Abaca	Moreno LO, Mariscal AM/ Gapasin RM		
2	NRCCTP - Sweet Potato (Project)	Rootcrops	Bacusmo JL	Jan. 2011	Dec. 2014
3	NRCCTP - Yam (Ubi and tugui) (Project)	Rootcrops	Pido NL	Jan. 2011	Dec. 2014
4	Varietal improvement in cassava - 3 studies (Phase VI) (Project)	Rootcrops/ PRC 075	Mariscal, AM/ Ferraren DO (Oct 1, 2014 - March 31, 2015 while AM Mariscal is on Sabbatical leave)	Jan. 2010	Dec. 2014
5	Biochar Effects of Growth and Development of Tissue Culture-Derived Yam Planting Materials	Rootcrops	Acedo VZ , Arradaza CC	Apr-11	Dec-14
6	Growth Performance of Newly Established Coconut Plantation as Affected by the Age of the Seedlings Planted and the Kind of Fertilizer Applied	Coconut	Dingal AG	July 2011- June 2016	2014
7	Incidence of <i>Neoscaris vitullorum</i> in Neonate Carabaos	Livestock	Fernandez TJ, Jr.	Jun. 2013	Dec. 2014
8	Survey on the Prevalence of Selected Animal-Borne Zoonotic Bacterial, Fungal and Parasitic Agents and Associated Risk Factors	Animal Health	Lañada EB, Balala L, Cortez E, Fernandez TJ Jr., Sanchez F, Quilicot AM	Jun. 2013	Dec. 2014

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
9 Correlates of Teaching Efficiency Among Student Teachers of the College of Education for School Years 2009-2012	Higher Education	Cuadra LJ, Barredo BS	Sept. 2012	Feb. 2014
10 Graduate Tracer Study of BEED, BSED and BSA Graduates in 2006-2011 of the Visayas State University, Main Campus	Higher Education	Alcober, DL; Abela, RA; Cuadra L in lieu of Barredo, BS	Jun. 2013	05/01/14
11 Student Performance in English, Science and Math in NCAE: A Comparative Study of VSULHS and other Selected High School in Region 8	Higher Education	Arpilleda RH, Lambert NP, Lambert AGP, Suganob S, Gonzaga E, Desades C	Jun. 2013	2014
12 Cabinet Dryer Design and Development for Cassava Chippy Application	Rootcrops	Orias, RR	Jun. 2013	Dec. 2014
13 Degree of Readiness for Retirement among Retirees of Visayas State University	Health Research	de Los Santos, JAB	Jun. 2013	2014
14 Development of Ram Pump System for water supply in VSU Forestry Department Reservoir (with 3 components)	Engineering	Solarte T Jr.	Jun. 2013	Sept. 2014
15 Evaluation of the Operation and Maintenance Practices of Motor Vehicles in Visayas State University (with 2 components)	Engineering	Gumaod C	Jun. 2013	Sept. 2014
16 Development of a Laboratory Scale Ram pump-driven Pico-Hydro Power Generation (with 2 studies)	Engineering	Leorna NL.	Jun. 2013	Sept. 2014
17 Phenological Studies on Important Timber Tree Species in Mount Pangasugan, Baybay, Leyte	Agro forestry	Polinar AN, Come RS, Mondal H, Pogosa J	Jun. 2013	Dec. 2014
18 Identifying Opportunities for Improving Success in Artificial Insemination of Carabaos in PCC-VSU Impact Zones	Livestock	Lañada EB, Balala L, Cortez E, Fernandez TJ Jr., Sanchez F, Quilicot AM	Jun. 2013	2014
19 Reactions on the VSU Vision and mission Among Its Stakeholders (AIHR 2014)/ Awareness and Acceptability of the Visayas State University (VSU) Vision and Mission Among Its Faculty, Staff, Students, Alumni and Community Representatives (on budget)	Higher Education	Cuadra LJ (Manaig MN)/ Ycong HG	Aug. 13	Sept. 2014
20 Palompon Watershed Forest Reserve Rehabilitation (DBP Forest Project)	NRM/ Agroforestry	Mangaoang EO, Labastilla PFN	Jan. 2009	Dec. 2014

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
21 National multilocal trials of promising abaca bunchy top resistant genotypes	Abaca	Moreno LO/ Gonzal LR, Abamo AP, Pomida AM, Oclarit EL	Jun. 2010	May. 2014
22 Processing of Jackfruit into High Value Food Products (with 2 studies)	Socioeconomics and Jackfruit	Lauzon RD, Abamo AP; Amestoso FJ, Galvez LA, Varron DAC	June 1, 2012	Dec. 2014
23 Design and Implementation of Communication Interventions for the Promotion of Jackfruit Technologies in Eastern Visayas (with 2 studies)	Jackfruit	Alesna WT , Cagasan EG , Palima IGS	Jun. 2012	Dec. 2014
24 Nutrient Management Studies for Abaca (with 3 studies)	Abaca	Armecin RB, Gapasin RM, Jadina BC	Jul. 2010	Jun. 2014
25 Integrated Management of Yam Anthracnose Disease Complex (with 2 studies)	Rootcrops	Gapasin RM, Oclarit EL	Apr. 2010	Jun. 2014
26 National Cooperative Testing for Hybrid Rice	Rice	Escasinas RO	7/1/2010; 1/2/2012	7/1/2011 ; 1/2/2013; continuing with 2014
27 Development of a Twining Machine for the Production of 1 mm Diameter Abaca Twine	Abaca	Sinon FG	Jul. 2011	Feb. 2014
28 Management of Cassava Phytoplasma Disease (CPD): Survey, Diagnosis, Characterization and Control (with 2 studies)	Rootcrops	Vasquez EA, Borines LM, Mariscal AM	Jul. 2011	Sep. 2014
29 Evaluation of the Entomopathogen, <i>Lecanicillium lecanii</i> , for the Control of the Abaca Aphid, <i>Pentalonia nigronervosa</i> Coq.	Abaca	Gapasin RM	Aug. 2011	Sept. 30, 2014
30 Soil Health Improvement in the Disease Infested Abaca Growing Areas of the Country (with 4 studies)	Abaca	Armecin RB, Lina SB/ Asio VB	Feb. 2012	Dec. 2014
31 Reducing Cost of Livestock Feeding: Protocol for Production and Utilization of <i>Tricanthera gigantea</i> -based Fortified Pellets (with 4 studies & 5 sub-studies)	Poultry and Livestock	Bestil LC, Sanchez SL, Posas OB, Bantugan SC, Abela JV, Come WD, Maranguit DJ/ Asio VB, Ratilla BC, Gacutan MD Jr., Evangelio FC, Espina DM, Come WD, Atole AFF, Ramoneda BM, Cagasan EG, Gravoso RS, Taveros AA, Atole AFF,	Nov. 2011	Dec. 2014

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
32 Generally Regarded as Safe (GRAS) Coatings to Enhance Shelf-Life of Vegetables (A component of the National Research and Development Program for Vegetables (with 3 components)	Vegetables	Quevedo MA, Salas RA, Salas FM	May. 2012	Apr. 2014
33 Evaluation of the Antidiabetic and Antihypertensive Properties of PRP-1 From Purple Yam (<i>Dioscorea alata</i> L.) and of Manunggal (<i>Samadera indica</i> Gaertn)	Rootcrops	Tulin, EE	May 1, 2012	Jun. 2014
34 Development of New Renewable Energy Technologies for Agricultural and Industrial Applications and Climate Change Mitigation (with 2 studies)	RER and Climate Change	Guarte RC, Ramos L	January 1, 2012	Jan. 2014
35 Affiliated Renewable Energy Center (AREC) for Region VII	RER	Guarte RC	2012	2014
36 Impact Assessment of the DOST-GAINEX Project on Promotion of Environmentally Sound Aquaculture Techniques for Prawn/ Shrimp	Socioeconomics	Gabunada FM, Saz EB, Tambis, MM	February 1, 2013	May 31, 2014 .
37 Molecular Discovery Project from Selected Philippine Indigenous Medicinal Plants for Treatment of Diabetes Mellitus	Health Research	Tulin EE, AB Tulin , MTP Loreto, BS Belonias	Dec. 11, 2012	Dec. 2014
38 Genetic Markers and Immuno-based Identification of Philippine Carabao Mango (Program) with 2 components	Fruit (Mango)	Tulin EE, Sales E (USM), Galambao MT	Nov. 29, 2012	Dec. 2014
39 Phenotypic Characterization of Non-Descript Breeds of Local Horses, Goats, Pigs and Chickens in Pegion VIII	Livestock	Taveros AA, Taveros AM, Lolo FT (DA-BAR)	Nov. 2012	Oct. 2014
40 Improvement of Cultural Management Protocols and Adaptability Trials for Selected Cutofflowers in the Ormoc-Kananga Range (with 3 studies)	Cutofflowers	Acedo VZ, Briones ED (PL), Acedo VZ/ Arradaza CC	Dec. 2012	Dec. 2014
41 Development and promotion of innovation, feed supplements and feeding schemes for increasing goat productivity (Project 2)	Livestock (Goat)	Bestil LC, Abela MV, Galvez LA, Cerna JB	Oct. 2012	Sept. 2014
42 Supply chain improvement of abalone industry in selected Regions in the Philippines	Socioeconomics	Gabunada FM, Carolino AP (PL: UPVisayas)	Oct. 2012	Jun. 2014
43 Supply chain improvement of abalone industry in selected Regions in the Philippines. Batch 4. Evaluation Research	Socioeconomics	Gabunada FM	Feb. 2013	Jun. 2014
44 Supply Chain Improvement of Sago in Selected Regions in the Philippines. Phase 1: Evaluation Research	Socioeconomics	Ramonedo BM (VSU), TR Acuna (UPM), SB Concepcion (PL), AJA Fedillaga, NL Laorden (UPM)	Jun. 2013	May. 2014

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
45 Shelf-life Study and Commercial Production of Polyclonal Antibody for Abaca Bunchy To Virus (ABTV)	Abaca	Tulin EE	Mar. 2013	Sep. 2014
46 Community structure and succession of marine flora and fauna in artificial reefs of Baybay City marine sanctuaries (with 6 studies)	NRM	Montes HR Jr., Espinoza ED, Evangelio JC, Flandez AR, Mudge L (CRFMO-DA), Omolon J, Mercado R Jr. (CRFMO-DA, Baybay)	10/1/2013	9/1/2014
47 Evaluation of the Energy Development Corporation's (EDC) Reforestation Project	NRM/ Agro forestry	Mangaoang EO	Apr. 2013	Feb. 2014
48 Influence of concentration and sources of nitrogen in the growth and starch yield of sago (<i>Metroxylon sagu</i> Rottb)	Sago	Quevedo MA, Loreto AB, Mariscal AM, SB Lina, Okazaki M and Kimura DS	Jan. 2008	2014
49 GIS-Aided Modeling and Prediction of Landslide Occurrences in Southern Leyte, Philippines	GIS (Rural Sociology)	Jadina BC	May. 2012	Dec. 2014
50 Strengthening the capability of Colleges of agriculture in incorporating food and water security and climate change and climate variability into curricular programs, research and extension projects and teaching modules	Higher Education	Dargantes BB, Batistel CC (SL: Oct 2013-Sept 2014), Lina SB (SL: February-August 31, 2014), Jadina BC (SL: February-August 31, 2014)	May 1, 2013	Apr 1, 2014
51 Rapid Appraisal on the Viability of Rehabilitating Abaca Farming in Selected Barangays of Sogod, Southern Leyte	Abaca/ Socioeconomics	Tabada MATW, Abamo AP, Gapasin RM, Moreno LO	Oct 1, 2013	Sep 1, 2014
52 Value Chain Analysis of Key Aquatic and Agricultural Commodities in the Philippines	Socioeconomics	Abamo AP, Ratilla M, Teves J	Dec 1, 2013	May 31, 2014
53 Assessment of the Different Organic Farming Practices of the Farmers in Hilly/ Upland Areas in the Philippines	Farming System	Mangaoang EO (Site Coordinator)	Sep. 2012	Oct. 2014
54 Bioenergy Project	Socioeconomics	Vega, BA	Dec. 2013	Nov. 2014
55 Community-based STBF on Jackfruit Production in Leyte	Jackfruit	Taganas, HGT, Tambis MM (TE)	Mar. 2013	Sept. 2014
56 Technology Transfer and Commercialization of Jackfruit Products in Leyte through TechnoMart	Jackfruit	Bacusmo JL, Tambis MM Technical Experts: Lauzon RD, Pomida AM, Taganas HGT, Torres EC	March 1, 2013	02/01/14

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION		
			START	END	
57	Development and Provision of Food Safety Services in Eastern Visayas/ Strengthening the Provision of Food Safety Services to MSMEs in Eastern Visayas (MOA)	Health Research (Food safety)	Tan JD	Feb. 2012	Mar. 2014
<u>Newly Implemented Projects</u>					
1	Climate Change and Rural Women's Participation in the Adaptation an Mitigation Measures of Local Government Units in Region 8	Climate Change/ Socioeconomics	Sandoval ACY, Bales MC, Baliña FT, Abad EP	Oct. 2014	Sept. 2015
2	Value chain assessment of indigenous rootcrop products: The case of Binagol and Sagmani in Leyte	Rootcrops	Tambis MM (PL), Roa JR, Ferraren DO, Palermo LG, Managbanag R	Feb. 2014	Dec. 2015
3	Biological and Socio-ecological Characterization of Major Rivers Systems in Leyte (with 7 studies)	NRM	Belonias BS, Galinato MI, Batistel C, Evangelio J, Flandez AR, Mazo AM, Aba BL, Poliquit RD, Flandez ARR, Villaroya AF	May. 2014	Dec. 2016
4	Physico-Chemical Characterization of Major River Systems in Leyte (with 5 studies)	NRM	Salas FM	Jan. 2014	Dec. 31, 2016
5	Assessment of the Sanitary Practices in the Preparation of Foods among VSU Eateries	Health Research	Lauzon RD, Cerna JB, Daclag JG./ Cimafranca, LC Perez AA, Vidal EMB	Jan. 2014	Continuing
6	Awareness of Pap Smear Examination among Faculty, Staff and Students of the Visayas State University	Health Research	Meneses RCL	Jan. 2014	Dec. 2015
7	Job Stress and Work Performance of Faculty and Staff Among SUCs in Leyte (Study 2)	Health Research	Tolibas MC	Jan. 2014	Dec. 2015
8	Awareness and Perception towards the Risks of Sexually Transmitted Infections Among Female Students of Visayas State University (Main Campus)	Health Research	Ceniza, MNCC Calatrava,M.	2nd Sem 2014	continuing
9	PJ- Development and Evaluation of a WebGIS-based Campus Map (with 2 studies)	GIS	Bencure, JC Tabada, WM	Jan. 2014	Dec. 2015
10	Policy Analysis on Land Use Management in Southern Leyte	Rural Sociology	Jadina BC	Jan. 2014	Jun. 2015

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
11 Effects of Minimum Tillage, Zero Pesticide and the Use of Natural Pesticide in irrigated Lowland Rice Production	Rice	Escasinas AB	Nov. 2014	2017
12 Ratooning Technology Management in Rice During the Dry and Wet Seasons in Eastern Visayas	Rice	Bañoc DM, Asio VB	Feb. 2014	2016
13 Reporting of Natural Disaster Risk by the Mass Media and Coping Strategies by Disaster-Prone Areas	Rural sociology	Gravoso RS, Cagasan EG, Gravoso AP, Salomon JMN, Flandez DR	2014	2015
14 Edible Landscaping	Fruits & Vegetables	Salas RA, Benitez MM, Lina DP, Troyo RD, Ramos AD, Gonzaga ZC	2014	2016
15 Insect Pests and Diseases Management of Coconut	Coconut	Ceniza MJC	2014	2016
16 Use of Botanical Pesticides in Improving Coconut Yield	Coconut	Dingal AG	2014	2016
17 Participatory Approach in Drama Production of Farmer's Indigenous Knowledge and Practices on Rootcrop Farming	Rural Sociology/ Rootcrops	Gabrillo CA, Sales JNA	1/1/2014	9/15/2015
18 Assessment of Farmer's Knowledge and Adoption of Organic Rice Farming in the MAGPANGUAPA Barangays	Socioeconomics	Gabunada FM	Jul. 2014	Jun. 2015
19 Validation and documentation of organic production system for lowland rice and eggplant-pole sitao in Leyte	Farming System	Ratilla BC, Alcober EA	March 15, 2014	3/14/2016
20 Reinvigorating the coconut industry through <i>in vitro</i> culture (somatic embryogenesis) and strengthening agricultural biotechnology laboratories using advanced and cost-cutting methods and products (Phase I)	Coconut	Ceniza MJC, Nuñez TC, Ocoy ET	4/1/2014	3/1/2019
21 Coordination, Monitoring & Evaluation and Assessment of S&T-based Projects (STBPs) for the Rehabilitation of Selected Typhoon Yolanda Affected Areas in Samar and Leyte	Climate Change	Bacusmo JL, Loreto AB	2014	2016
22 Vegetable Production Using Organic-based Technologies for Typhoon Yolanda Victims in Eastern Visayas	Vegetable	Balbarino EA	2014	2015
23 Improving Cassava Value Chains for Food, Dried Grates, Flour and Products in Selected Areas in the Philippines	Rootcrops	Roa JR, Amestoso NT, Paradero AL	2014	3 years

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
24 Geo-Referenced Approach for Enhanced Cassava Industry Development and RDE Planning	Rootcrops	Roa JR	2014	2016
25 Screening and Evaluation of 47 NSIC-Registered Cassava Varieties for Cassava Phytoplasma Disease (CPD) and Varietal Reaction to Pre-planting Antibiotic Treatment (with 2 studies)	Rootcrops	Vasquez EA, Lim JL	Mar. 2014	2016
26 Organic Fertilizer Production in Major Typhoon-Stricken Areas of Leyte and Eastern Samar	Farming Sytem	Gabunada FG Jr., Garcia PP, Poliquit JF	Mar. 2014	May. 2015
27 Entompathogenic Nematodes (EPN) for the Biological Control of Sweetpotato Weevil (<i>Cyclus formicarius</i> Fabr.) (with 3 studies)	Rootcrops	Gapasin RM, Lim JL, Ubaub L	June 1, 2014	Jul-17
28 LIDAR Data Processing and Validation in the Visayas: Eastern Visayas (Region 8) (Project 9). PHIL-LIDAR 1. Hazard Mapping of the Philippines Using LIDAR-Program B. LIDAR Data Processing and Validation By SUCs and HEIs (Program)	GIS	Garcia PP, Bencure JC, Morales FF Jr.	2014	2017
29 LIDAR Data Processing, Modeling and Validation by SUCs and HEIs for the Detailed Resources Assessment in Eastern Visayas (Region 8) (Project 9). PHIL-LIDAR 2. Nationwide Detailed Resources Assessment Using LIDAR Program B. LIDAR Data Processing, Modelling and Validation for Nationwide Resources Assessment (Program)	GIS	Garcia PP, Montes HR Jr.	2014	2017
30 Long Term Ecological Research Studies in Silago Biodiversity Research Station, Silago, So. Leyte	NRM/ Agro forestry	Come RS	2014	2019
31 Identification and Transmission Studies on Major Diseases of Vegetables in Eastern Visayas (with 2 components)	Vegetables	Borines LM, Gerona RG	2014	2016
32 Performance Evaluation and Impact Assessment of the National Corn-Based Farmers' Scientist Research, Development and Extension Training Program (FSTP)	Corn	Gabunada FM, Cagasan EG, Patindol RA	2014	2016
33 Pilot Production and Commercialization of Abaca Yarn, Twine and its Derived Products in Region VIII Areas	Abaca	Sinon FG	Nov. 2014	Oct. 2016
34 Chitin and Chitosan Extractions from Crustacean Exoskeleton: Evaluation of their Potential Together with Chitin-Containing Indigenous Materials for the Control of Phytophthora Disease of Jackfruit	Jackfruit	Borines LM, Calibo CL (SL)	Oct. 2014	Oct. 2016

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION		
			START	END	
35	Localizing Industrial Development Planning for Job Creation, Resiliency and Inclusive Growth (for the Municipalities of Tolosa, Leyte and Salcedo, Eastern Samar) with 2 components	Development	Dargantes BB, Ibañez VB, Teves JR	Oct. 2014	Dec. 2015
36	Biochemical Alterations and Yield Loss in Cassava Infected with Phytoplasma	Rootcrops	Vasquez EA, Calibo CL, Godoy CDV	Nov. 2014	Oct. 2016
37	Quality and Safety Enhancement of Cassava-Based Food Products in the Philippines	Rootcrops	Tan JD	2014	2016
38	Enhancement of Food and Nutrient Security Through Food Diversification: Development of Extruded Products from Cassava	Rootcrops	Tan DLS, Amestoso FJ	Dec. 2014	2016
39	Introduction of Appropriate and Food Safety Methods Utilizing Indigenous Raw Materials in Selected Developing Countries	Rootcrops	Tan JD	Nov. 2014	June 15, 2015
40	Establishment and Management of Seed Sources in Leyte Province	Agro forestry	Come RS, Polinar An, Bumatay EC, Patindol TA	Jan. 2014	Dec. 2016
41	Establishment of Coconut Seed garden for Eastern Visayas	Coconut	Ceniza MJC, Proj. Staff: Nuñez TC	May. 2014	Jun. 2015
42	Strengthening the Provision of Food Safety Services to MSMEs in Eastern Visayas	Health Research (Food safety)	Tan JD	Sept. 2014	Sept. 2015
43	"Analysis of the raw material flow Sustainability and LCA evaluation" part of Cocoboards: Environmentally sound technology for the manufacturing of affordable building materials based on coconut husk (cocofiber) and natural bonding agents (tanning)	Coconut	Asio VB, Bande MJM, Pogosa J	Jun 1, 2014	Sept. 2016
44	Advancing strategies for sustainable soil and nutrient management in Southern Philippines and Tropical Australian vegetable production (ACIAR-Soil Project)	Sustainable Agriculture	Asio VB., Lina SB, Quiñones CMO, Salas R., Salas, F, Tulin, AB	Jul. 2014	Dec. 2018
45	Rice Post-Harvest Evaluation Survey for the Typhoon Haiyan Strategic Response Plan in Region VIII (Phase II)	Climate Change (Rice)	Saz EB	Jun 1, 2014	
<u>New and Completed Projects</u>					
1	VSU – Life project for Out-of-school Youth: Its Impact and Prospects in Leyte	Higher Education	Lambert NP	Jun. 2014	2014
2	Impact Evaluation of OWARE Project and Strengthening Local People and Institutions in the Project Site Using the PANGUAPA Model	Socioeconomics	Bulayog EF and Ramoneda BM	Jan. 2014	Dec. 2014

Table 12. Continued.

TITLE	COMMODITY/ DISCIPLINE	RESEARCHER(S)	DURATION	
			START	END
3 Socioeconomics Studies on NCRC's coconut-based food products	Coconut	Ceniza MJC	Apr. 2014	Dec. 2014
4 Factors Affecting the Performance of the VSU Graduates in the Licensure Exam for Teachers (AIHR 2014)/ Performance in the Licensure Examination for Teachers (LET) 2005-2013 and its Correlates: Policy Implications for the Teacher Education program of the Visayas State University	Higher Education	Abela, RP/ Belen, JA	Jan. 2014	Dec. 2014
5 Impact of Typhoon Yolanda on Soil Resources of Affected Areas in Leyte and Samar	Climate Change	Asio VB	2014	2014
6 Documentation of relevant experiences and good practices in incorporating water and food security, and climate change issues in the formulation of research and development agenda for the College of Agriculture	Rural Sociology	Lina SB, Bande MJM (SL)	Feb 1, 2014	Aug 1, 2014
7 Rice Seeds Post Distribution Survey for the Typhoon Haiyan Relief Response in Region VIII (Phase I)	Climate Change (Rice)	Saz EB	Feb. 2014	May 1, 2014



The participants of the project meeting of the ACIAR Soil Project held at VSU on September 16-19, 2014 with Dr. Stephen Harper, Project Leader from Queensland Dept. of Agriculture and Fisheries (6th from left standing) and Prof. Neal Menzies, Head of School of Agriculture and Food Sciences, University of Queensland (7th from left standing). Dr. Victor B. Asio (5th from left standing) is the national coordinator of the project.

MATURE TECHNOLOGY

- Goat production and management: reducing pre-weaning mortality with proper housing, brooding to prevent hypothermia, glucose supplementation to alleviate starvation (lower blood glucose), and parasite control by way of manipulating rotational grazing/cut-and-carry and deworming.

- Improving milk production by concentrate and *Trichanthera gigantea* forage supplementation.
- Rainforestation Farming Technology
- Dipterocarp Wildlings Recovery Chamber

GERMPLASM COLLECTION

The different research centers of VSU Main Campus continued to enrich the germplasm collections as source of their planting materials. However, with the damage brought by super-typhoon Yolanda in 2013, only few accessions were left and collection of additional planting materials were conducted, as follows: **PhilRootcrops** – 2,113 accessions of rootcrops consisting of 969 sweetpotato, 322 cassava (NSIC varieties – 47, local varieties – 41, elite lines – 85, PhilRootcrops – 50, IPB – 7, and foreign accessions – 92), 349 yam (*D. alata* – 216, *D. esculenta* – 78, *D. bulbifera* – 16, *D. hispida* – 20, *D. rotundata* – 18, and *D. pentaphylla* – 1); 381 taro, and 92 minor root crops (yambean – 45, arrowroot – 36, yautia – 6, giant taro – 2 and *pungapong* – 3); **NARC** – collected 28 new abaca accessions from the following provinces: Leyte – 8, Siquijor – 8, and Iloilo – 12. There was a total of 271 active abaca accessions that were planted and conserved: *ex situ* – 80 accessions and *in vitro* – 191 accessions; **NCRC-V** – maintained 28 tall and 18 dwarf coconut accessions.



The newly established abaca germplasm at the VSU Pomology area.

RESEARCH HIGHLIGHTS

Potential Source of Renewable Energy

Implementation of Household Electrification Program (HEP) in Leyte, Southern Leyte, and Biliran. Rapid Rural Appraisal (RRA) and Social Preparation were conducted to about 400 household beneficiaries in the islands of Dawahon, Bato, Leyte, Higatangan, Naval and Tingkasan, Balacson, Kawayan, Biliran and in Barangay Maligaya, Mahaplag, Leyte for the HEP 2013. Likewise, installation of 206 units of Solar Home System was done in the following areas: Dawahon Island - 108, Apid - 35, San Pedro - 30, and San Pablo - 33, as part of the HEP 2011 budget. Moreover, a quarterly monitoring was conducted to the 166 installed solar home systems in the islands of Apid, San Pedro and San Pablo as part of the HEP 2012 budget.



Cultural Management

Evaluation of Organic-Based Fertilizers on Corn and Sweet Potato in Marginal Uplands of Eastern Visayas. Corn and sweet potato were established in a marginal upland area of Inopacan, Leyte for three (3) croppings. Different sources of organic-based fertilizers applied alone or in combination with inorganic fertilizers were tested.

While consolidation and data analysis of the third cropping were ongoing, results of the two croppings indicated that most agronomic characters, yield and yield components of corn were significantly affected by the treatments. Application of 10 t ha^{-1} chicken dung + $45\text{-}30\text{-}30 \text{ kg N, P}_2\text{O}_5, \text{K}_2\text{O ha}^{-1}$ markedly enhanced plant height, leaf area index and stover yield of corn though comparable with 10 t ha^{-1} Vermicast + $45\text{-}30\text{-}30 \text{ kg N, P}_2\text{O}_5, \text{K}_2\text{O ha}^{-1}$. Significantly higher grain yield was also produced in this treatment as a consequence of markedly bigger ears and heavier seed weight over the control. Although yield obtained was still below the national average level, it gradually increased with cropping especially for treatments with either chicken dung or vermicast applied alone or in combination with inorganic fertilizer.

For sweet potato, application of 10 t ha^{-1} of chicken dung or vermicast + $30\text{-}30\text{-}30 \text{ kg N, P}_2\text{O}_5, \text{K}_2\text{O ha}^{-1}$ in the first cropping significantly produced higher total root yields of 5.91 and 4.84 t ha^{-1} , respectively. This is due to more and heavier marketable roots produced than the untreated control. In the second cropping, total root yield greatly increased to 16.19 t ha^{-1} which is 2.74 times when applied with chicken dung alone at 15 t ha^{-1} (T_3) as compared with those treated with 10 t ha^{-1} chicken dung + inorganic supplement. However, comparable yield responses were noted with those treated with chicken dung or vermicast applied alone or in combination with inorganic fertilizers. These were significantly higher than the control and those treated with Welgrow or Evans as source of organic nutrients. No remarkable changes in soil properties were observed though there was a slight increase on pH, organic matter and Nitrogen. To enhance productivity of this marginal upland in Inopacan, Leyte, combined application of either chicken dung or vermicast with inorganic fertilizer is more promising than when these organic inputs were applied alone at a higher amount.

Nutrient Management

Growth performance of tissue-cultured abaca as influenced by the different bio-fertilizer materials and the ratio of different potting media. It was

observed that regardless of the stage of the seedlings, majority of the growth parameters evaluated were significantly higher compared to that of the seedlings without bio-fertilizer application (i.e. garden soil alone).

Majority of the growth parameters evaluated revealed that equal proportion of the fertilizer material and the potting media (1:1) showed the highest base circumference, leaf length, leaf width, number of leaves, and leaf area of abaca.

Pest Management

Integrated Crop Management (ICM) to Enhance Vegetable Profitability and Food Security in the Southern Philippines and Australia. One of the most important constraints in vegetable production in the Philippines is the control of insect pests and diseases and production of high quality fresh produce that adequately meet the demands of consumers. This project aims to increase vegetable farmer profitability through integrated crop management (ICM) and develop component technologies for management of key insect pests and diseases. In the plant pathology component of this project, an inventory of diseases affecting vegetables was conducted in collaborator sites in Leyte, Samar and Bohol. Disease samples were collected and diagnosed in the laboratory. The pathogens were isolated and tested for pathogenicity, characterized and identified. Another activity of the project was the field evaluation of disease management strategies for the control of major diseases affecting selected vegetables. What had been evaluated so far were the effects of soil organic amendments, chitosan, streptomycin and aspirin as resistance boosters, and currently a silicon dioxide trial against major tomato diseases. Results showed that soil amendments with cabbage residues were very effective in the management of bacterial wilt disease and root knot nematode infestation both inside protective structure and open field. Cabbage-amended plants also produced the highest yield. In another trial, chitosan, streptomycin and aspirin all reduced field bacterial wilt incidence but the combination of chitosan and aspirin was the most effective. An in-vitro evaluation of SiO₂ against *Ralstonia solanacearum* was also done but results showed that it had no direct antimicrobial activity against the pathogen. It may however have a resistance boosting ability on tomato against the bacterial wilt pathogen. The field trial of silicon dioxide is still ongoing.

National Multi-locational Trials of Promising Abaca Bunchy Top Virus (ABTV) Resistant Genotypes. In Region V, Tabiguian, Tabaco, Albay, all

entries were infected with bunchy top virus 15 months after planting (MAP). The local check variety, Tinawagan Puti, had the highest infection of 52.17%, followed by Tinawagan Pula with 43.33%, Bisaya (43.24%) and Tangongon (41.38%). Least infection was noted in Abuab (18.75%), a local Bicol abaca entry.

In Region 8, abaca bunchy top virus (ABTV) infection was observed as early as 12 weeks after planting (WAP) in the disease area of Brgy. Vecinal, Mahaplag, Leyte. Inosa (national check) and Linawaan (local check) were the earliest to succumb to the disease. Linawaan had the most number of plants infected (66%) followed by Musa tex 51 (65%) and Tinawagan Pula (63%). Among the 12 entries included in the trial, two remained uninfected by the disease, namely: MH83-1 and Javaque.

In Region 11, Patulangan, Malasila, North Cotabato, ABTV infection started 12 weeks after planting (WAP) with Musa tex 51. Maguindanao, Abuab and Bongolanon, were among the first batch of entries that was infected. Bisaya had the highest percent infection of 56%, followed by Bongolanon (50%), the local check variety, and Musa tex 51 (45%). Least infection was noted in Maguindanao with 17.6%. Javaque was once noted with bunchy top but recovered later.

On the yield and yield parameters, selective harvesting of mature stalks in the disease site in Vicinal, Mahaplag, Leyte was done starting April 2014. Maturity of stalk varied among the entries: Musa tex 51 matured early (15 MAP), followed by Bisaya, Tinawagan Pula, Javaque and Lagusog (16 MAP). MH83-1 had the most number of harvested stalks (9). Linawaan (local check) obtained the highest fiber recovery of 1.70 %, followed by Lagusog (1.40 %), Inosog (1.15%) and MH83-1 and Bisaya both had 1.0 % fiber recovery. The data presented were partial from staggered harvesting of matured stalks from the different replicates, hence, not yet conclusive. Plants in Palale, MacArthur, Leyte were already suckers of the mother plants toppled down by Typhoon Yolanda so maturity is expected to be late.



Uninfected abaca entries Javaque (left) and MH83-1 (Right)

Product Development/Improvement of Food Products

Tropical Fruit Tree Research and Development in the Philippines and Northern Australia to Increase Productivity, Resilience and Profitability. The physico-chemical and microbial properties of minimally processed jackfruit as affected by sodium hypochlorite, calcium chloride and ascorbic acid were duly established. Results revealed that increasing the NaOCl concentration from 10 ppm to 20 ppm could effectively reduce the concentration of microorganisms. Treatments having 10 ppm NaOCl concentration had bacterial counts of up to 10^{-6} and 10^{-7} for molds and bacteria, respectively. However, increasing it to 20 ppm bacteria and molds growth is lower than one log, which is 10^{-5} . As for the physico-chemical analysis, the pH values among treatments from day 1 to day 5 ranged from 4.72 to 6.92 and was observed to have an initial decrease and subsequent increase with respect to storage. %TA values among treatments from day 1 to day 5 ranged from 0.12 to 0.60 and was observed to have an initial increase and subsequent decrease with respect to storage. Also, sensory properties were evaluated. It was found out that there were no significant differences of sensory properties from days 1 to 5 for most treatments. However, general acceptability on the 5th day showed that treatments 1 and 7 had the lowest acceptable rating of 5.85 and 5.57, respectively, while treatment 3 and 5 got the highest rating at about 6.71. However, considering the microbial content of samples, treatment 8 was better than T3 and T5. Acceptability scores at the end of storage ranged from 5.42 – 6.71 which indicated neutrality and acceptability of the treatments.

The preliminary results of the researches conducted to determine the effect of maturity on the physico-chemical and sensory properties of jackfruit showed that maturity has significant effect on some sensory attributes of vacuum-fried, dehydrated, and fresh cut jackfruit particularly on the color and taste. As for physico-chemical analysis, it was observed that pH and TA are not significantly affected unlike TSS which gradually increases as maturity increases.

Utilization of Pressed Coconut Meat (Sapal) for Baked Food Products. A comparative consumer survey was conducted using *sapal* and coconut flour in the production of makapuno biscotti. The following were the results of the survey: there was no difference on the sensory description of the materials used; makapuno biscotti with coconut flour was preferred in terms of taste and rated as

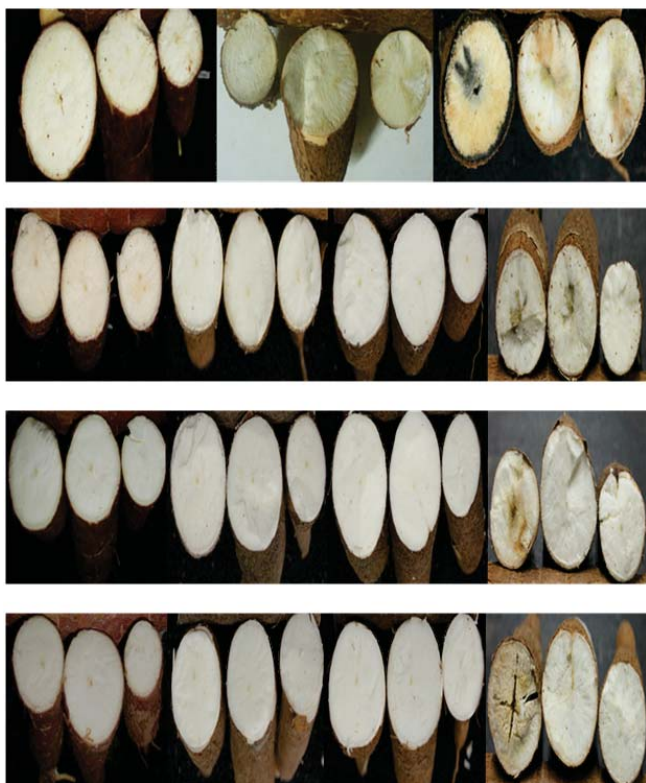
“like moderately” to “like very much” compared to the biscotti using *sapal*; and, the makapuno biscotti using *sapal* had lower moisture content compared to makapuno biscotti using coconut flour. *Sapal* was porous which could make the moisture evaporate during the baking process resulting in a lesser moisture content while the makapuno biscotti using coconut flour was compact due to smaller particles of the material like that of all purpose flour. The percent moisture content for makapuno biscotti using *sapal* was 3.85 and 4.60 for coconut flour.

Results of the consumer acceptability survey among 100 respondents of different age levels showed that 99% liked the product with 50% *sapal* substitution. It had an average rating of 8.12 which corresponds to “like very much”. The one percent (1%) dislike of the respondents was due to a “slightly gritty feeling”. However, the respondents generally commented that the coconut soft cookies were very good enough and could be ready for commercialization.

Storage Techniques for Shelf-life Improvement

Evaluation of Appropriate Storage Technologies for Shelf-life Improvement of Cassava (Manihot esculenta Crantz) Roots for Marginal Upland Farmers. The study was conducted to evaluate the effectiveness of simple cassava storage techniques in minimizing postharvest losses. These four storage techniques were: 1) box storage with moist sawdust packing medium ; 2) box storage with moist river sand packing medium ; 3) packing in wet jute sack ; and 4) unpacked control were evaluated. Data on physical and chemical characteristics as well as sensory qualities of stored cassava roots were assessed. Cassava root var. 'Macan' deterioration in terms of vascular streaking and root decay and weight loss were minimized by packing the roots with moist river sand and sawdust. Moist river sand prolonged the shelf life of cassava roots for 30 days with very minimal degree of vascular streaking. Unpacked control roots lasted only for 6 days in storage due to severe vascular streaking and root decay while those packed in wet jute sacks lasted for 15 days.

Sugar contents of cassava roots increased with time of storage while starch content decreased. Sensory qualities of the roots stored in boxes with moist river sand and sawdust for 30 to 60 days were as acceptable as or more acceptable than those of the freshly harvested roots when boiled.



Vascular streaking incidence of different sections (A – base, B – middle, C – tip) of cassava roots subjected to different methods of storage at 4 sampling periods.

GRAS coatings to enhance shelf life of vegetables.

The study was conducted to evaluate the shelf-life of common vegetables like eggplant (Morena), tomato: mature red, green, and breaker (Diamante Max variety), *ampalaya* or bitter gourd (Galaxy) fruits, muskmelon (Gulf stream) and string beans or pole *sitao* (Sandigan) coated with phytochemical extracts and to assess the free radical scavenging activity (FRSA) of the fruits before and during storage. These fruits were coated with phytochemical extracts derived from ginger, citronella, cat's whisker, *balimbing*, and *hagimit*. The extraction was accomplished using distilled water, ethanol, and acetic acid as extracting solvents.

The results showed that the shelf-life of tomato fruits was significantly enhanced with the phytochemical extracts derived from *balimbing* and *hagimit*. The aqueous *hagimit* extract (AQHE) best enhanced the shelf-life of mature green tomato fruits with 97 days, ethanolichagimit extract (ETHE) on the breaker tomato fruits with 83 days, and the acetic acid *balimbing* extract (AABE) on the mature red tomato fruits with 31 days. In addition, the acetic acid turmeric (AATE) and ethanolic cat's whisker (ETCWE) extracts best enhanced the shelf-life of eggplants with 8.0 days and 7.7 days, respectively. For *ampalaya* fruits, ETCWE best enhanced its shelf life with 7.5 days. The ETHE coatings best enhanced the shelf-life of the harvested string beans by extending its shelf-life for two (2) days. Nevertheless, the shelf-life of muskmelon was extended by AQHE

from the average of 5 days to 11 days. These findings illustrate the presence of chemical components in *balimbing*, *hagimit*, cat's whisker and turmeric that can promote the shelf-life quality of vegetable fruits.

The free radical scavenging activity of coated muskmelon, eggplant, and tomato fruits was sustained upon storage under ambient condition. On the other hand, the drastic decline of FRSA in *ampalaya* or bitter gourd and pole *sitao* was incrementally reduced with phytochemical coatings. The sensory qualities of the coated vegetables were not significantly different from the freshly harvested ones. Moreover, the phytochemical coatings were found non-toxic based on Lethal Dosage (LD₅₀) Acute Toxicity Test using albino mice as experimental animals.

Socio-Economic Evaluation/Assessment

Participatory Assessment of Resources and Needs of Upland Communities in Inopacan, Leyte, Philippines. Participatory Rural Appraisals (PRAs) were conducted in the three (3) barangays of Inopacan, Leyte with marginal upland areas, namely: Linao, Guinsangaan and Marao to determine and analyze the needs and resources of the sites as bases for designing initiatives for enhancing productivity and environmental quality of the uplands, and to draw or recommend possible interventions based on the problems and resources identified by the community folks.

The results showed that the residents' main livelihoods were farming and livestock raising. The major crops that were planted included coconut, corn, sweet potato, cassava, and banana while the animals raised were goats, swine, native chickens, and carabao. Due to limited water supply in the *barangays*, the farmers depended mostly on rainfed farming. Some women were engaged in backyard gardening and in food processing and selling in order to augment the family income.

Some PRA participants revealed that they encountered problems on their main crop which is coconut because of yield reduction due to infertile soils and the infestation of *Brontispa longissima*. Moreover, the focus group discussion (FGD) participants said that they need other livelihood options to supplement their unstable income from coconut.

Based on the feedback of the participants, the livelihood activities that can be enhanced through trainings and technical assistance include: animal raising and food processing. Moreover, the results implied that there is a need to plan for more sustainable resource-based management projects to augment their income.

Processing and Product Optimization

Effect of Pulp Maturity, Thickness and Size on the Sensory Quality of Vacuum-Fried Jackfruit. Fruit maturity exhibited visual differences in color but statistical analysis showed that color acceptability rating of vacuum fried jackfruit was not significantly influenced by fruit maturity. The same observation was perceived in terms of texture and oiliness acceptability wherein no significant difference was discerned by the sensory panelists. For aroma, taste and general acceptability, fruit maturity significantly affected these attributes. Ninety-one (91) days and 94 days got a mean acceptability scores equivalent to “like moderately” category of the 9-point Hedonic scale.

Pulp thickness did not significantly influence the mean acceptability rating of vacuum-fried jackfruit. Regardless of the thickness of the pulp used, the vacuum-fried jackfruit got a mean acceptability rating ranging from 7.38 to 8.02 which fall between the “like moderately” to “like very much” categories of the scale.

The same observation was noted for pulp size. Regardless of the size of the fruit pulp used, the vacuum-fried jackfruit got a crispy to very crispy texture, golden to brownish yellow color and perceptible jackfruit aroma. In terms of general acceptability, the mean acceptability rating of the vacuum-fried jackfruit range from 6.60 to 7.80 equivalent to “like slightly” to “like moderately”.

Results implied that pulp size and thickness had no significant influence on the sensory attributes of the vacuum-fried jackfruit. However, maturity was critical because the 88 days old vacuum-fried jackfruit got a significantly lower mean acceptability rating for aroma and taste due to its perceptible jackfruit aroma and bland taste which significantly influenced the general acceptability of the product.

Assessment of Kaingin Farms in Forest Reservation

Assessment of Kaingin Farms in Forest Reservation for Biodiversity Conservation in Mount Pangasugan. Secondary data on the list of kaingin farmers and firewood gatherers in Mount Pangasugan, location of *kaingin* farms and the list and status of improvements in the area were collected. Informal meetings with *kaingin* farmers and firewood gatherers in the covered barangays of Guadalupe, Patag and Pangasugan were conducted. 46 farmer respondents and 55 firewood gatherers in the aforementioned barangays were interviewed. A

separate Focus Group Discussion (FGD) to farmers and firewood gatherers at Barangay Guadalupe, Baybay City, Leyte was conducted. Moreover, two sets of data as well as profile were collated/tabulated, that is, one set for the *kaingin* farmers, and the other for the firewood gatherers. Likewise, there were 22 tree species, 13 fruit trees and 4 perennial crops and rootcrops that were found in the *kaingin* farm.

Moreover, out of 46 *kaingin* farm lots, 44 farms were assessed/evaluated according to boundaries, growing vegetation (timber trees, fruit trees, root crops and perennial crops). The status of the *kaingin* farms was also assessed based on actual survey and observation within the vicinities. GPS reading for every farm lot was taken for GIS mapping purposes.

SIGNIFICANT RESULTS OF COMPLETED RESEARCHES

Improving Newborn Kid Performance with Coco water-based Nutritional Drench Supplementation. Kids receiving the supplement at different levels had cumulative weight gains higher than the control group (without supplement), but significant increases in weight gain were achieved only with the 1.25% of body weight level of supplementation. It appeared that it is possible to stretch growth performance further with supplementation of the coco water-based nutritional drench at levels higher than 1.25% of body weight. Even with significant increases in weight gain in newborn kids supplemented with coco water-based nutritional drench, there were no significant differences in blood glucose levels, indicating that the coco water-based nutritional drench must have been rapidly absorbed and utilized, being liquid in form, to support faster weight-gains.

However, it should be noted that the coco water-based nutritional drench also contained nutrients other than glucose. Thus, growth performance cannot be accounted only to glucose, although this is the most abundant nutrient in the product, but to the “supplementary effect” of the ingredients used, such as the added liquid seaweed containing a good balance of minerals which are deficient in the coconut water.



Soil characterization activity conducted by the researchers of the Department of Soil Science of VSU as part of the project funded by the Philippine Higher Education Research Network (PHERNET) of CHED.

Soil Characterization and Inventory of Soil Nutrients in Selected Municipalities of Southern Leyte. The sites selected cover a landscape from ridge to reef. Soil morphology is an important method for determining the origin and fertility of the soils and it is best done with an *in situ* examination of a soil profile (Buol et al., 1997). Since coconut is the most dominant and common agricultural commodity along Sogod Bay area, soil profile examination was done in coconut lands of all barangays. The typical landform of Sogod Bay is high gradient mountain or high gradient hill to plain. Except for Gud-an, Lilo-an which has a moderately steep landform with a small flatland located close to the shore, other sites are characteristically mountainous with undulating landforms extending towards the lowlands that are planted with agronomic crops. Most of the agricultural activities like farming were concentrated in the uplands with a shallow surface soil due to continuous erosion as conditioned by topography. This is true in Gud-an, Liloan, where big gullies were observable in the hilly agricultural area indicating that erosion is occurring frequently.

The shallow surface soil was evident in most of the profiles examined. In the soil profiles of Biasong, Higusoan and San Isidro, the horizons identified were in the sequence Ap-AB-Bt-Bw-BC which could indicate that soil formation is in the advance stage because of the accumulation of clays in B horizon. The presence of B horizon is an indicator of a highly weathered soil with low nutrient contents. On the other hand, profiles in the other villages had the horizons Ap-Bw-BC-C which would mean that the weathering process is still active because of the exposure of the unconsolidated parent materials in the C horizon. However, most of the nutrients released during the weathering process would easily be eroded down the landscape because of the hilly topography. This is also one of the reasons why such soils have a shallow surface. Nonetheless, keeping

the surface soil covered with vegetation (agronomic crops or any leguminous creeping plants) would lessen the effect of soil degradation through soil erosion. Soil profiles along the catena in each area, originated from the same parent material. Phosphorus is the most limiting nutrient in most of the barangays that were considered in this study.

Survey on Awareness and Acceptability of the Vision and Mission of Visayas State University, the Goals of VSU-Villaba and the Objectives of the Department of Teacher Education. The results of the survey showed that the respondents were aware of and accepted the vision and mission of the Visayas State University System as well as the goals of VSU-Villaba and the objectives of the Department of Teacher Education of VSU Villaba. They agreed that the objectives of the department were congruent and appropriate to the courses offered. The most accepted goal of VSU-Villaba by the respondents was “to provide quality training to prospective elementary and secondary teachers as well as to prospective agriculturists”. For the students, parents and faculty respondents, the most accepted objective of the department was “encouraging, training and guiding students to conduct research studies and extension activities relevant to education and its allied fields.” On the other hand, the alumni respondents preferred the objective of “producing graduates who are highly competent and possessing moral values”.

SCIENTIFIC PUBLICATIONS

Scientific publication is the global yardstick of research excellence. In 2014, VSU scientists and researchers have published 33 papers in peer-reviewed national and international journals, 16 articles in conference proceedings, 2 books and 5 book chapters. Also, the VSU Alangalang Campus released the maiden issue of its research journal containing 12 articles.

I. Papers Published in Peer-Reviewed Scientific Journals

1. Abela, J. V, Taveros, A. A. and B. Rebuyas. 2014. Field Trial on the Effects of Homemade Probiotics and Sweet Potato Silage Supplementation on Sows Productivity and Profitability in the Marginal Upland Area of Inopacan, Leyte. **Annals of Tropical Research**, Vol. 36 (Supplement):191-198
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III. Books Published

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2. Peque, Dennis. 2014. Rare Tree Species in Remnant Forests and Nurseries across the Visayas, Philippines. **Cuvillier Verlag Gottingen**

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1. Armecin, R. A., Sinon, F. G. S. and L. O. Moreno. 2014. Abaca Fiber: A Renewable

Bio-Resource for Industrial uses and other Applications. **Biomass and Bioenergy Applications**, pp. 107-118

2. Atole, A. F. F., Bestil, L. C. and M. Rama. 2014. Laboratory and *in situ* Digestibility Assessment of the Nutritive Value of Feed Resources for Ruminants in Marginal Upland. **Courant Research Centre: Poverty, Equity and Growth** No. 158
3. Daniel, R., Borines, L. M., Soguilon, C., Montiel, C., Palermo, V. G., Guadalquivir, G. A. and M. Pedroso. 2014. Development of Disease Management Recommendations for the Durian and Jackfruit Industries in the Philippines Using Farmer Participatory Research. **Food Security the Science Sociology and Economics of Food Production and Access to Food**.
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5. Serino, M. N. V. 2014. Do Philippine Households Lead a Carbon Intensive Lifestyle? **Courant Research Centre: Poverty, Equity and Growth** No. 158

V. Articles published in the VSU Alangalang Research Journal Vol. 1(2014) with ISSN 20408-2996.

1. Miralles, LG, JB Jomadiao, BB Dargantes, HP Dargantes. Issues and challenges in water service delivery of LGU-Run water utility in Alang-alang, Leyte: A case analysis.
2. Miralles, LG, BA Vega. Socio-economic impact, spatial, temporal diffusion and extension strategies of agricultural technologies generated and extended by HEIs in Region VIII.
3. Iglesias, CO, MM Padayao. Climate change adaptation strategies in flood prone barangays in San Miguel, Leyte: A gendered perspective.
4. Miralles, LG, PB Pedrera, MM Padayao. Social profile characterizing adoption of agricultural technologies.
5. Miralles, LG, RL Abogado, SG Arpon, RE Asis, MJL Aure, MRE Bacayo, JKS de la Cruz, ML Lavarra, M Sia. Course preferences of senior high school students in Leyte.
6. Miralles, LG, MB Pedrera, MJS Aballa, CE Gariando, SA Tejones, JT Corsanes, LM Abatias. Tracer study: Visayas State University-Alangalang graduates 2006-2010.
7. Arguelles, MS, LG Miralles. Characterization

- of spring water in Jaro, Leyte.
8. J Baldesco, JB Jomadiao, MM Padayao. Households' water user fee: Tool for the protection of Binahaan Watershed Reservation, Leyte.
 9. Mison, L, CO Iglesias. Impacts and adaptations of households to climate change induced flooding due to sea-level rise in Carigara Bay, Leyte
 10. Morfe, JU, LG Miralles. Invasive plant in the riparian of the midstream section of Mainit River, Leyte.
 11. Baldesco, J, AB Baloloy, MAL Guzman, JRS Unson. Water and land use-based water quality assessment in Lake Buhi, Camarines Sur.
 12. Chavez, NA, JB. Jomadiao. Indigenous early warning signs used to detect income calamities by selected coastal communities in Leyte.

EXTENSION





CFES faculty and staff participated in laying out and hole digging in preparation for tree planting in Tolosa Campus.

TECHNICAL ASSISTANCE

Department of Pest Management (DPM) – provided technical assistance as subject matter specialists to small farmers, commercial crop growers, graduate and undergraduate students and researchers of VSU on pest diagnosis on a variety of crops like vegetables, root crops, rice, fruit trees, and coconut; also extended insects and weed identification services to students; conducted microbiological analysis of drinking water to a number of clients; provided technical assistance in the identification of pesticidal and medicinal botanical species, their uses and method of propagation to interested clients.

Department of Animal Science (DAS) – provided assistance as subject matter-specialists to support private livestock entrepreneurs/farmers, cooperatives, and non-government organizations; oriented the farmers on livestock project management during project visitation, and acted as resource persons during trainings and seminars sponsored by feeds/drug companies and ATI-NTC at VSU.

Department of Agronomy (DA) – staff of the department served as resource speaker in training for farmers greatly affected by super Typhoon Yolanda.

Department of Horticulture (DOH) – provided assistance on the improvement of the Barangay Zonal Nurseries; assisted in the construction of a model edible landscape garden for the DA Agri-Aqua Fair and Machinery 2014 celebration; donated

assorted fruit bearing seedlings to the Alpha Company, 78th Infantry battalion, and 8th Infantry division of the Philippine Army.

Department of Liberal Arts and Behavioral Sciences (DLABS) – acted as resource persons in seminars, conferences and trainings based on their fields of specialization.

Department of Biological Sciences (DBS) – provided expert services to requesting parties.

Department of Teacher Education (DTE) – provided assistance to the residents of Barangay Bunga, Baybay City, Leyte on *Food Resource Generation, Values Formation*, container gardening of vegetables of their interest and waste management activities; enhanced the skills of the elementary and secondary teachers of the Baybay City Division on teaching reading; and, conducted reading tutorials to non-readers and feeding program to Grade I pupils of the same school.

Institute of Human Kinetics (IHK) – conducted trainings in swimming for the children at the HAYAG Family Development Center in Ormoc City; provided technical assistance in organizing and managing different sports and dance competition as well as ballroom dancing sessions, violin lessons and other skills to the Local Government Unit in Baybay City, DepEd Baybay City Division, VSU constituents and other communities.

Institute of Tropical Ecology & Environmental Management (ITEEM) – provided assistance to LGUs and industrial institutions for marine resource assessments.

College of Forestry and Environmental Science (CFES) – extended technical assistance to VSU Tolosa Campus in determining tree species to be planted and in establishing proper planting distance in order to create a buffer zone or green belt to protect the area from surface run off, soil erosion, flashfloods, and landslides as well as to help reduce the direct impact of storm surge.

National Abaca Research Center (NARC) – conducted technical briefings to visitors on abaca production, postharvest processing and utilization as well as NARC programs and technologies; provided technical assistance to the foundation nurseries in the farmers' field.

National Coconut Research Center-Visayas (NCRC-V) – offered technical assistance in the establishment and management of coconut nursery/plantation as well as in the management of pests and diseases; provided technical assistance in the promotion and marketing linkages of coconut-based food and non-food products.

PhilRootcrops - extended technical assistance to the different local government units (LGUs) in site assessment for nurseries, nursery establishment trainings and monitoring as well as to the different NGOs like World Vision, OXFAM, Catholic Relief Services, Food and Agriculture Organization (FAO), International Red Cross, Heifer International, Department of Agriculture - Province of Leyte and Southern Leyte on the food security rehabilitation and establishment of rootcrop-based livelihoods for those affected by super Typhoon Yolanda.



Different BIDANI assistance extended to its partners and clients.

Barangay Integrated Development Approach for Nutrition Improvement (BIDANI) – offered technical assistance in sustaining the BIDANI strategy to the different local government units (LGUs) in Leyte: Liga ng Barangay Offices of Ormoc, Local Nutrition Committees (LNCs) and Barangay Nutrition Scholars in Ormoc City, Baybay City, Merida, Hindang and Matalom; supported the Barangay Development Council (BDC) of Sta. Cruz, Macrohon in the completion of its Barangay Integrated Plan (BIDP) book and its Barangay Captain for advocating the adoption of the BIDANI strategy. During the year, a total of 3,704 persons

have availed of BIDANI's technical services.

VSU Alangalang – extended technical assistance to the youth, housewives and farmers in their container gardening; provided supplemental feeding to the malnourished pupils of Binongto-an Central School, Alangalang, Leyte.

VSU Isabel – provided technical assistance to pedicab fabricators in Isabel, Leyte in designing state-of-the-art and ergonomical tricycles.

VSU Villaba - assisted the Cagnocot Barangay officials in formulating their Barangay Development Program (BDP); assisted the AKKAP Medical Mission Team, VSU Main Campus Medical Mission and the Beta Sigma Fraternity Doctors and Dentist in their medical services extended to the typhoon victims; provided technical assistance to the Iligay Farmers Association and the Cagnocot Farmers Association in the preparation of their project proposal for funding.

HIGHLIGHTS OF EXTENSION PROJECTS

Implementation of the Solar Photovoltaic (PV) Street Lighting Project for the Super Typhoon (ST) Yolanda Affected Areas in Leyte. A total of 550 units of Solar Photovoltaic (PV) street lighting from the Department of Energy (DOE) were given to selected municipalities in Leyte and as of December 2014, 110 units were installed in these areas.

Super Typhoon Yolanda Rehabilitation Project in Selected Schools and Buildings in the Philippines. A total of 15 kindergarten schools in Baybay City and 20 elementary schools in Albueria, Leyte were given tables, chairs, and construction materials to help rehabilitate their schools.

NRM-Based Extension Project: Maintenance of RF Demo-site and Arboretum. The project had great achievement in terms of creating people's awareness on the importance of environmental conservation and preservation. A number of significant changes in the nursery development and management site were observed such as construction of a bagging-potting area, and screen house for the mineral nutrition study, and the enhanced nursery site packed with several experimental set-ups for ongoing studies. Moreover, the proposed plan for water source improvement in the area as one of the vital components in the NRM-based extension project has been approved and will be sponsored by the Environmental Leadership and Training Initiative (ELTI).

Upscaling Rainforestation Technology in the Philippines. The concept of Rainforestation has proved that the forest becomes more sustainable and increasingly diversified if local trees are planted instead of foreign tree species. Its intent is to recreate an ecosystem as close as possible to the original state of the forest, with most of the physical structure and productivity matching the original ecosystem and biodiversity. This ecosystem approach aims to replace the more destructive forms of “kaingin” or slash-and-burn practices, promote formation of buffer zones and farms around primary forests, protect biodiversity, help maintain the water cycle, and provide farmers with high income.

The period from 2002 to 2004 made a landmark for Rainforestation. Government and non-government organizations (NGOs) started recognizing RF as a sustainable strategy to forest restoration. The HARIBON Foundation forged a Memorandum of Agreement (MOA) with VSU. Furthermore, the Department of Environment and Natural Resources (DENR) staff from Manila attended a Rainforestation orientation and conducted a cross-visit in VSU. This initiated the national adoption of one of the most relevant impacts of the technology to the forestry reforms or policy towards sustainable reforestation. Presently, it is one of the strategies adopted by the National Greening Program (NGP).

As of December 2013, a total of 1,163 hectares of Rainforestation sites were established throughout the Philippines as a result of all the RF trainings conducted by various clientele and stakeholders, partnership with different organizations, groups and individuals. Currently, the Environmental Leadership and Training Initiative (ELTI) of Yale University has been supporting and developing certified Rainforestation trainers. As of the period, a total of 145 registered RF trainers were able to avail of such support.

SIGNIFICANT RESULTS OF COMPLETED EXTENSION PROJECTS

Post-Yolanda Assessment of Seagrass– Seaweed and Associated Fishes in Five Municipalities in Leyte and Samar Badly Hit by Super Typhoon Yolanda. This report presents the results of the sea grass ecosystem assessment in the six (6) member LGUs of ALFARMDC affected by super typhoon Yolanda, namely: Palo, Tanauan, and Tolosa, Tacloban City in Leyte and Basey and Marabut in Samar.

It showed the importance of sea grass meadows as habitat for fishes. The fish with the highest number of individuals was from the family *Siganidae*

(rabbit fishes), followed by *Plotosidae* (marine catfish), *Terapontidae*, *Apogonidae*, *Labridae*, *Bleniidae*, *Pomacentridae*, *Apogonidae*, and *Gobiidae*. This study also supported the hypothesis that sea grasses are nursery and feeding grounds for many species of fish. Many juveniles of different fish species were observed in the sea grass/seaweed beds. Feeding activity of *Siganus* sp. juveniles on the epiphytes of sea grasses were video-documented.

Assessment of Marine Flora and Fauna in the Vicinity of Philippine Associated Smelting and Refining (PASAR) Corporation, Barangay Libertad, Isabel, Leyte. Two (2) mangrove areas and six (6) coral reefs were studied. The preliminary results showed a poor condition of the reefs with a very low presence of marine organisms except for few fishes in the sanctuary area, and there was high siltation which could be the effect of the super typhoon Yolanda.

Fish visual census revealed that the study sites were dominated by non-target species belonging to *Labridae* (wrasses) and *Pomacentridae* (damselfishes). The target (commercially important) species found were *Caesio* spp., *Epinephelus* spp., *Gymnothorax* sp., *Lutjanus* spp., *Parupeneus* spp., *Rhinecanthus* sp., and *Scolopsisspp.*, among others.

TECHNOLOGY PROMOTION

Garden Shows/Agri-Aqua Fair/ Exhibits



VSU exhibit during the Agri-Aqua Fair and Machinery 2014 at DA-RFO8 at Tacloban City.

Aside from maintaining a stationary exhibit at the RDE building, the National Coconut Research Center-Visayas (NCRC-V) put up its own Exhibit Area at the NCRC building. The Center together with the following centers and department of the VSU Main Campus also participated in agro-fairs and exhibits held in different venues in the country: **DOH** showed its garden and horticulture products during the

Edible Landscape Gardening in Exhibits and Agri-Aqua Fairs in Tacloban City and Baybay City. **NARC** also participated in 5 agro-fairs and exhibits in the following occasions: CHED Anniversary at Diliman Quezon City; Tacloban City Agri-Aqua Fair during DARFU8 Anniversary; 89th VSU Founding Anniversary Farmers' Field Day; 67th Anniversary of Ormoc's Charter Day at Ormoc City; and Baybay Agro-Fair during Baybay City's Fiesta Celebration. **NCRC-V** had also displayed their crafts in the following occasions: 28th National Coco Week Celebration and the 1st International Coconut Festival Trade Fair at the SM Mega Trade Mall, Mandaluyong City; 20th Higher Education Week Products Fair at CHED, Diliman, Quezon City; Farmers and Fisherfolks' Month Agri-Aqua Fair and Machinery 2014 at Tacloban City; Tugob Festival Agri-Aqua Trade Fair at Ormoc City; and during the PSAE National Convention at the VSU Convention Center.

Distribution of Reading and Communication Materials

The following departments and centers of the VSU Main Campus as well as the external campuses produced and distributed handouts, brochures, leaflets, flyers, technoguides, CDs, to farmers, housewives and other clientele for free or at a minimal cost: **Department of Soil Science (DSS)** – *Proper Soil Sampling Procedures*; **Department of Agronomy (DA)** – *How to Grow/Produce Crops like Corn and Upland Rice*; **DOH** – 10 brochures; **NARC** – 820 IEC materials on *Brochure on Major Pests of Abaca and Their Management, Flyers on TC Plantlets, Abaca Power Stripper, Plant Power Shredder, and Abaca Bunchy Top Virus* (English & Cebuano versions), *Abaca Power Stripper Operating Manual*, *NARC RDE Leaflet*, and *NARC Newsletter* (4th Quarter 2013, 1st and 2nd Quarters of 2014); **NCRC-V** – 15 flyers on Makapuno (planting procedure and fertilization); **VSU Villaba** – *Animal Production, Goat Raising and Management, Corn Production, Poultry Production*.

Distribution of Planting Materials

Different kinds of planting materials such as seeds, seed pieces, cuttings, plantlets were produced and distributed for free or at a minimal cost to various clientele by the following departments and centers: **DA** – 1,462 kg rice seeds (NSIC 181 and PSB RC 120), 1,122 kg IPB6 corn seeds, 145 kg Pag-asa 19 Mungbean, and 163 kg BPI Pn9 Peanut; **DPM** – 253 spawns of mushroom and a number of potted pesticidal and medical plant species; **NCRC-V** –

87,525 coconut seedlings, 270 makapuno seedlings; **PhilRootcrops** – 2,094,766 sweetpotato and 108,205 cassava cuttings, 1,760 gabi setts and 1,055 kg. of ubi; and **NARC** – 20,765 abaca plantlets, 29 bottles of abaca plantlets and 2,245 banana plantlets.



Rootcrops planting materials ready for distribution to the beneficiaries of the different NGOs assisting Yolanda victims.

Demonstration Farms/ Nurseries/Techno-Demo Farms

The VSU Main Campus through its different centers and departments as well as the external campuses showcased a number of technologies through the following:

- **DPM Pesticidal and Medicinal Garden** – the different species of botanicals and herbal plants.
- **DPM Butterfly Garden** – the butterfly farming as a source of income or for the aesthetic value of butterflies.
- **DPM Mushroom Culture** – the production of mushroom
- **Visca Forest Reserve (VFR) Demo Farm** – the different species of trees in the VSU Main Campus forest reserved area.
- **Rainforestation (RF) Demo Farm** – established in different parts of the country showing the benefits and importance of rainforestation.
- **CFES Arboretum** – the cultivation of different tree species.
- **CFES Herbarium and Wood Library** – the different plant species and wood samples from various species.
- **NCRC-V Techno-Demo Facilities** – the techniques on copra drying and charcoal making.

- **NCRC-V Demo Nursery** – the tall and dwarf coconut seedlings.
- **NCRC-V Demo Farm** – the coconut production technology and profitable intercropping system.
- **Abaca Foundation Nurseries in Brgys. Gacat and Pomponan of Baybay City, Leyte** – the good quality abaca planting materials in the farmer's field to supply the needs of some abaca farmers.



Abaca foundation nurseries at Brgy. Pomponan (left) and Brgy. Gacat, Baybay, Leyte (right)

- **Rootcrop Nurseries in Ormoc, Bato, Matalom, La Paz, Hilongos, Baybay (PANGUAPA and Brgy. Marcos), Leyte** - source of rootcrop planting materials in their own locality.
- **Organic Agriculture and Demonstration Farms of VSU Alangalang** – the different features of organic farming.
- **Rainforestation Demo Farm in VSU Villaba** – established by the College of Forestry & Environmental Science (CFES) with 146 tree species planted. The farm has the following number of seedlings: Dakitan (*Planchonella nitida*) - 30, Narra (*Pterocarpus indicus*) - 30, Kalumpit (*Terminalia microcarpa*) - 46, Dao (*Dracontomelon dao*) - 40.
- **Organic Agriculture Demonstration and Training Farm at VSU Alangalang** – the organic vegetable production, organic fertilizer making and native chicken upgrading.

LABORATORY ANALYSES OF SOIL AND PLANT SAMPLES

Analyses of soil and plant tissue samples, water and organic materials were conducted by the Soil

Research Testing and Plant Analysis Laboratory (SRTPAL) of DASS and the Central Analytical Services Laboratory (CASL) of PhilRootcrops. Samples analyzed were submitted by students, researchers, farmers, businessmen, private firms, individuals, and non-government organizations. During the year, the **SRTPAL** conducted 829 analyses: soil pH - 525, Organic Matter - 2, Nitrogen - 30, Phosphorus - 170, Particle size analyses - 96, Lime Score - 4, and Moisture Content - 2, while the **CASL** conducted 9,904 analyses consisting of Water - 497, Plant/Animal Tissues - 1,478, Soil - 7,706, and Non-soil Analysis - 223.

COMMERCIALIZATION OF TECHNOLOGIES

NARC fabricated and sold 14 units of abaca processing machines: 10 power stripper; two (2) plant power shredders, and one (1) unit each of yarning and twining machine to abaca farmers, cooperatives, businessmen and LGUs. The Center also produced and sold 20,794 tissue-cultured plantlets of abaca and 2,245 tissue-cultured plantlets of banana.

NCRC-V produced and sold 270 VSU makapuno plantlets to farmers/entrepreneurs.

TRAININGS & WORKSHOPS CONDUCTED

The different colleges/departments, centers, and offices of the University System conducted capability-building activities such seminars, livelihood trainings, orientations, forums, and technical briefings as shown in Table 13.

EXTENSION PROJECTS CONDUCTED

The University continued to conduct extension programs and projects on the areas of science and technology-based enhancement; community-based

Table 13. List of Trainings and Workshops Conducted.

TITLE OF TRAININGS	NUMBER OF PERSONS TRAINED	DATE	DURATION OF TRAINING (DAYS)
1. Extension Workshop for NWSSU Faculty/ Staff	20	January 27-28, 2014	2
2. Training Workshop on Psychosocial Support Program: A Creative Approach	31	March 11, 2014	1
3. 2 nd Regional Consultative Workshop on Vegetable Industry Analysis and Development Directions in Eastern Visayas	45	March 20-22, 2014	3

Table 13. Continuation.

TITLE OF TRAININGS	NUMBER OF PERSONS TRAINED	DATE	DURATION OF TRAINING (DAYS)
4. Training on GRAS Coating Technology to Enhance the Shelf-life of Vegetables	68	March 26, 2014	1
5. Training on Vacuum Fried Jackfruit	16	April 1-3, 2014	3
6. Training Course on Coffee Production and Product Processing	32	April 9-11, 2014	3
7. Vegetable Organic Communal Garden and Edible Landscape Training	40	April 11, 2014	1
8. Short lecture on the latest vegetable production technology available at DOH and primer dissemination	60	April 21, 2014	1
9. OK Range Project	200	April 25, 2014	1
10. Vegetable Production Seminar-Workshop by PCAARRD and VSU Rehabilitation Projects	40	May 13, 2014	1
11. Communal Garden for Typhoon Yolanda Victims in San Jose Tacloban City	60	May 17, 2014	1
12. Training on Rice and Rice-Based Technologies for Areas Affected by Typhoon Yolanda	43	May 20-29, 2014	10
13. Training on Animal Disease Detection	21	May 22-24, 2014	3
14. Training on Organic Fertilizer	45	May 26-28, 2014	3
15. Training on Organic Farming for Indigenous People	34	June 3-5, 2014	3
16. Short Training Course in Landscaping	13	July 2-4, 2014	3
17. Adaptation to Climate Change by Strengthening Natural Resilience-Seminar on Forest and Fruit Crop Nursery Management and Hands-on Asexual Propagation	36	July 5-6, 2014	2
18. Improvement of the Barangay Zonal Nurseries	30	July 11, 2014	1
19. Adaptation to Climate Change by Strengthening Natural Resilience-Seminar on Forest and Fruit Crop Nursery Management and Hands-on Asexual Propagation	37	July 12-13, 2014	2
20. Training on Coconut-Based Diversification and Integrated Farming System	35	July 14-18, 2014	5
21. Biometrics Refresher Course	23	June 24-27, 2014	4
22. Training on Good Agricultural Practices (GAP) for Banana-Saba	30	July 15-17, 2014	3
23. Training on Coconut-Based Farming System (Technology on Coffee Production)	30	August 4-6, 2014	3
24. Jackfruit Congress, Technomart and Market Matching Event	100	August 5, 2014	1
25. Training on Hydroponic Vegetable Production	22	August 8, 2014	1
26. 2014 R&D Fund Project Pre-Implementation Meeting and Proposal Finalization Writeshop	20	August 12-13, 2014	2
27. Demonstration on Plant Propagation Techniques	25	August 27, 2014	1
28. Techno-Demo on Rootcrop-Based Food Products	120	August 11, 2014	1
29. Training on Cacao Production, Processing and Marketing	35	Sept. 2-4, 2014	3
30. Camote-Based Technology Transfer for Small-Holder Farmers in North-Western Leyte	40	Sept. 8, 2014	1
31. Curriculum Development on Cassava Farmer's Field School in District 5	35	Sept. 23, 2014	1
32. Training on Sweet Potato Production	30	Sept 13, 2014	1
33. Medicinal Value, Cultural Management, and Potential Products of Rootcrops	200	Sept 4, 2014	1
34. Training of Trainers on Climate Smart Agriculture	99	Sept 17-20 and Sept 22-25, 2014	8
35. Medicinal Value, Cultural Management, and Potential Products of Rootcrops	100	Sept. 25, 2014	1
36. Medicinal Value, Cultural Management, and Potential Products of Rootcrops	200	Sept. 26, 2014	1
37. Writeshop of Training Guide for Coffee/Cacao Production	40	Sept. 4-5, 2014	2

Table 13. Continuation.

TITLE OF TRAININGS	NUMBER OF PERSONS TRAINED	DATE	DURATION OF TRAINING (DAYS)
38. Cacao Production	100	Sept. 5, 2014	1
39. Training on Cacao Production	50	Sept. 9, 2014	1
40. Training on Climate Change Adaptation through Organic Vegetable Production	32	Sept. 24-26, 2014	3
41. Sustainable Agriculture Training	28	Sept. 25-27, 2014	3
42. Training on GRAS Coating Technology to Enhance Shelf-Life of Harvested Vegetables	110	Sept. 27, 2014	1
43. Training on GRAS Coating Technology to Enhance Shelf-Life of Harvested Vegetables	40	Sept. 30, 2014	1
44. Short Training Course on Landscaping	8	Oct. 1-3, 2014	3
45. MAGPANGUAPA Convergence Workshop	60	Nov. 5, 2014	1
46. Training on Patent Search	15	Nov. 5-7, 2014	3
47. Training on Vegetable Production	35	Nov. 11-12, 2014	2
48. Training on Vegetable Production	38	Nov. 17-18, 2014	2
49. Training on Vegetable Production	70	Nov. 20-21, 2014	2
50. Training on Organic Vegetable Production	11	Nov. 24-Dec. 3, 2014	8
51. Edible Landscape Garden	100	Dec. 15, 2014	1
52. Training on Animal Disease Detection	28	June 2-4, 2014	3
53. Preparing for Training and Facilitating	6	April 11-13, 2014	3
54. VSU-Technical Vocational Education and Training Program (SMAW NC II)	13	October 16, 2013 - March 21, 2014	5 months
55. VSU-Technical Vocational Education and Training Program (SMAW NC II)	28	May 7, 2014 - Aug. 29, 2014	3 months
57. VSU-Technical Vocational Education and Training Program (EIM NC II)	13	May 20, 2014 - Sept. 19, 2014	4 months
58. VSU-Technical Vocational Education and Training Program (FBS NC II)	17	April - May 2014	1 month
59. VSU-Technical Vocational Education and Training Program (FBS NC II)	162	June - Sept. 2014	3 months
60. VSU-Technical Vocational Education and Training Program (Food Processing NC II)	27	Oct. 2013 - March 2014	5 months
61. Participation Nutrition Enhancement Approach (PNEA)	36	March 24, 2014	1
62. Hands On Training on Abaca Tuxying and Stripping	50	Sept. 3-5, 2014	3
63. Handicraft training	20	Oct. 22-24, 2014	3
64. Training on Disease Management on Abaca	29	Sept. 29, 2014	1
65. Training on Plant Tissue Culture Principles, Lab. Management, Abaca/Banana Meristem and Shoot Tip Culture and Nursery Establishment	9	July 8, 2014	1
66. Training on Abaca Production and Disease Management	30	Nov. 28, 2014	1
67. Training on Abaca Production and Disease Management	26	Nov. 28, 2014	1
68. Nutrition in Emergency & IYCF Training	33	May 19-21, 2014	3
69. Training on Child Growth Standards (CGS)	21	June 13, 2014	1
70. Training on Nutrition Operation Timbang (OPT) Plus	18	August 6-8, 2014	3
71. Barangay Integrated Development Plan (BIDP) Formulation -Workshop	25	September 10-12, 2014	3
72. Training of Trainers/ (TOT) Reinforcement Training on BIDANI as SUCs extension program/project/tool and as a Development strategy in Local Governance	14	June 10-11, 2014	2
73. Consultative Planning Workshop	34	Nov. 11-14, 2014	4
74. Local Nutrition Planning Workshop	45	Nov. 26-27, 2014	2

health and nutrition enhancement; vocational skills enhancement for employment and entrepreneurship; local governance and capability building; basic education, alternative learning systems and cultural enhancement; and community education and advocacy for ANRM (Table 14). A new project on community-based health and nutrition

entitled “Health PALS (People Across Lifespan)” was initiated by the College of Nursing to impart increased awareness on health and nutrition to the residents of MAGPAGUAPA communities.

Table 14. Extension Projects/Programs Conducted in 2014

PROGRAM/ PROJECT TITLE	DURATION	TECHNOLOGY TRANSFERRED/ INFO DISSEMINATED	TYPE OF EXTENSION SERVICES DELIVERED
A. Science and technology-based livelihood enhancement program			
1. Integrated Rootcrops Extension Program	Ongoing (2003-2014)	Developed rootcrop varieties; production and postharvest and processing machines; production, postharvest management and processing technologies	Trainings, Techo-demo, technical consultation services, exhibits, community-based participatory extension, use of multi-media
2. Integrated Abaca Extension Program	Ongoing (2007-2014)	Production, management, processing and postharvest technologies on abaca	Trainings, tech-demo, technical consultation services, exhibits, use of multi-media, participatory nursery development, multi-agency collaboration
3. Integrated Coconut Technology Delivery System for the Visayan Farmers	Ongoing (2003-2014)	Production, management, processing and postharvest technologies on coconut	Trainings, tech-demo, technical consultation services, exhibits, use of multi-media, participatory nursery development
4. Participatory Eco-Farming Program for the Visayas	Ongoing (2003-2014)	Sustainable agriculture technologies: crop-livestock integration, systems of rice intensification (SRI) technologies, organic fertilization, use of vetiver in controlling soil erosion, forage technologies, and fruit tree-based farming system using particip	Trainings, techno-demo, exhibits, for a, technical consultation services using PTD , corss visits
5. Horticulture for Environment and Livelihood Promotion Program	Ongoing (2007-2014)	Production, management, postharvest and marketing technologies on vegetables, ornamentals, fruit crops and plantation crops	Trainings, techno-demo, exhibits ad fairs, fora, technical consultation services, print and radio programs,
6. Cereals and Legumes Extension Program	Ongoing (2007-2012)	Production of high quality seeds of ViSCA Maize Var 2, a high yielding open-pollinated white corn variety duly registered by the National Seed Industry Council	Technical assistance to farmers
7. Natural Resource Management Extension Program	Ongoing (2005-2014)	Natural resource diversity, preservation/ conservation of natural resources, natural resources as eco-tourism attraction	Trainings, briefings, eco-tourism showcase, print materials and videos
8. Coastal Resource Management in the Camotes Sea	Ongoing (2006-2012) Revived	Sustained/enhanced implementation of coastal resource management	Trainings/capability building activities, fora/consultation meetings/technical backstopping/radio plugs and print materials
9. Plant Pest Clinic	Ongoing (2003-2014)	Integrated pest management, pest diagnosis	Trainings, technical consultation services, field/farm visits
10. Livelihood and Functional Education (LIFE)	Ongoing (2005-2014)	Alternative learning system (ALS), agric-ultural technologies, livelihoods tech	trainings, orientations, learning sessions, mentoring and counseling, field trips,
11. Animal Disease Syndromic Surveillance and Diagnostic Services for Villages in the MAGPAGUAPA Area	New (2013-2018)	Rapid-response surveillance system	consultations, orientations, workshop seminar

Table 14. Continuation.

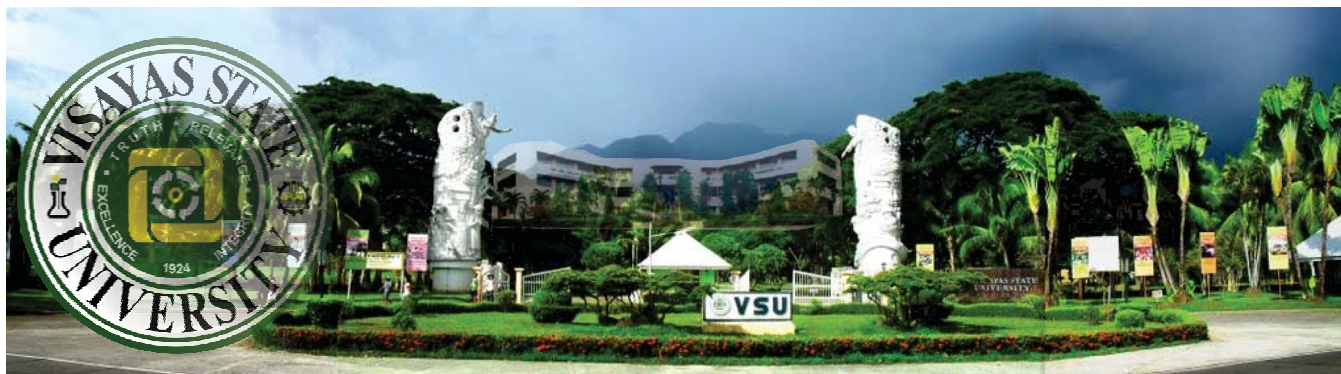
PROGRAM/ PROJECT TITLE	DURATION	TECHNOLOGY TRANSFERRED/ INFO DISSEMINATED	TYPE OF EXTENSION SERVICES DELIVERED
12. Integrated Extension Program on Development Communication	Ongoing (2010-2015)	Skills development in the design and production of communication materials/strategies	Trainings, workshops, seminars
B. Community-Based Health and Nutrition Enhancement Program			
13. Barangay Integrated Development Approach for Nutrition Improvement (BIDANI)	Ongoing (2003-2012)	Barangay Management Info System, BIDANI Approach on development planning, participatory domiciliary Nutrition Rehabilitation	Trainings, consultation meetings, technical backstopping, participatory development planning, field trips, seminar-workshops, and field visitations
14. Healthy PALS (People Across Lifespan)	New (2014-2018)	Health and nutrition awareness	Trainings, FGDs, seminar-workshops, field visits
C. Vocational Skills Enhancement for Employment and Entrepreneurship Program (TVET)			
15. Competency Enhancement through Technical Vocational Education and Training (TVET) Programs as a Tool for Poverty Alleviation and Employment	Ongoing (July 2012-2015)	Skills training programs, post training activities, livelihood programs	Short-term training courses
16. Evaluation and Improvement of the Existing Irrigation System in Brgy. Patag, Baybay City, Leyte	Ongoing (2013-2018)	Water irrigation system and other agricultural practices	Trainings, seminars
17. Capability Enhancement of MAGPAGUAPA Brgy. Electrician in Electrical Installations and Maintenance	Ongoing (2013-2018)	Electrical Installation and maintenance system	Trainings, workshops, seminars
18. Computer and Internet Literacy Training for MAGPANGUAPA Elementary School Teachers and Brgy. Officials	Ongoing (2013-2018)	Computer literacy program	Trainings, workshops, seminars
19. Evaluation and Improvement of the Existing Potable Water Supply Systems of MAGPAGUAPA Brgys	Ongoing (2013-2018)	Water supply system	Trainings, workshops, seminars
D. Local Governance and Capability-Building Programs			
20. Building Capacities of Barangay People and Institutions for Community Development (PANGUAPA) Extension Program	Ongoing (2009-2014)	Trainings, seminars and workshops	Ground working, training & seminar workshops, data-based planning, partnership building and documentation

Table 14. Continuation.

PROGRAM/ PROJECT TITLE	DURATION	TECHNOLOGY TRANSFERRED/ INFO DISSEMINATED	TYPE OF EXTENSION SERVICES DELIVERED
21. Harnessing Social Capital for LGUs, Civil Society Groups and Other Organizations for Agriculture and Rural Development	Ongoing (2007-2014)	Trainings, seminars and workshops	Trainings, techno-demo, exhibits, fora, technical consultation services using PTD
22. Anti-Rabies Technical Services Program for the Municipality of Baybay Leyte	Ongoing (2011-2015)	Trainings, production of IEC materials re anti-rabies campaign, new knowledge generated from the implementation of the program analyzed and effectively used to improve further outcomes	Technical aspects of activities related to information, education and communication (IEC), dog registration and vaccination, dog population control, monitoring and surveillance of dog rabies
E. Basic Education, Alternative Learning Systems and Cultural Enhancement Program			
23. School and Community Extension Program (formerly Teacher Capability Building) and Green the Home Project	Ongoing (2007-2011)	Trainings, seminars and workshops and production of IEC materials	Trainings, techno-demo, exhibits, fora, technical consultation services
24. Livelihood and Functional Education (LIFE) Program for Out-Of-School Youth (OSY)	Ongoing (2005-2014)	Alternative learning system (ALS), agricultural technologies, livelihood technologies	Trainings, orientations, learning sessions, mentoring and counseling, field trips,
25. Enhancing Secondary Teachers' Competencies in Teaching Sciences, Mathematics and English in Baybay City Division	Ongoing (2013-2018)	Skills training for teachers to improve competencies	Consultations, meetings, orientations, workshops
F. VSU as Center for Community Education and Advocacy for ANRM			
26. Medicinal & Pesticidal Garden	Ongoing (2005-2014)	Agricultural technologies	Trainings, technical consultation services, field/farm visits
27. Community-led organic farm in Merida, Leyte in collaboration with Family Help Project	Ongoing (June 2012-December 2015)	Sustainable agriculture technologies	Trainings, technical consultation services, field/farm visits
28. Farmers Field Day and Exhibits (Extension Service)	Ongoing	Showcasing of technologies developed by the University	Farmers forum, Technodemo and exhibits, flower and garden show, technical consultation services, field trips/tours, Video shows, livelihood seminars
29. UGMAD Search (Extension Service)		Agricultural technologies to be developed	Technical forums and actual surveys

GENERAL ADMINISTRATION





The VSU General Administration provides the needed management strategy in response to development priorities in instruction, research, extension, and production. It is composed of the Office of the President (OP), Office of the Vice President for Instruction (OVPI), Office of the Vice President for Research and Extension (OVPRE), Office of the Vice President for Administration and Finance (OVPAF), and Office of the Vice President for Planning, Resource Generation and External Affairs (OVPPRGEA) and the offices under them.

OFFICE OF THE PRESIDENT

The Office of the President (OP) supervised the overall program operation and budget use of the University System.

1. The **Internal Audit Service Office (IASO)** conducted evaluation of the internal control system of Tolosa campuses and monitored the implementation of the prior year's recommendation regarding the operations of the VSU Isabel, VSU Villaba and the Main Campus; reviewed and verified the entries reflected on the monthly reports, schedules and their supporting documents submitted by 51 IGP project managers under special trust fund and revolving fund and required the project managers concerned to comply the deficiencies noted during the course of the audit; observed and witnessed the inventory taking of supplies and materials of IGP (STF & RF) as well as the physical inventory of unserviceable properties for disposal in the Main Campus and in VSU Manila and VSU Cebu offices; witnessed and observed the harvest and sale of farm products like rice, mango, copra, etc.; conducted an audit on the collection and remittances of a retired project manager; facilitated the collection of the accountability of a project manager through salary deduction of the daughter; facilitated the collection through salary deduction the

accountability in connection with Ms. VSU; conducted an investigation on the over remittance of a faculty's GSIS consolidated loan; and commented on the management of VSU Properties MR's and ARE's.

2. The **Alumni and Community Relations Office (ACRO)** provided assistance to the VSU Alumni Association, Inc. in facilitating the 2014 Annual General Alumni Homecoming activities, in cooperation with the 1986 and 1987 host batches and on-campus alumni communicators; released the "Alumni Notes" publication with more pages from 32 to 56; provided assistance to visiting alumni during the anniversary of the university and throughout the year; conducted regular meetings with the Alumni Communicators; sponsored and conducted the 3rd Anniversary Fun Run during the VSU's 90th Founding Anniversary with 1,625 participants and the "Kalaidoskop" Art Exhibit of local visual artists for the benefit of VSUAAI's "Tabang Mo, Kaugmaon Ko" Scholarship Program; facilitated the request for campus tour of students, farmers, organizations, LGU, and provided tour guide services to university visitors and training participants.

The Office also conducted the following community outreach activities, in cooperation with other colleges and departments of the university:

- Seminars on Basic Computer Lessons, Basic Communications, Personal Hygiene, and Rights of Children and Women to the barangay officials and mothers of malnourished children of Brgy. Patag, Baybay City;
- Supplemental feeding to children and the elderly of Brgy. Patag, Baybay City, Leyte as well as the school children of Patag Elementary School;
- Regular giving of food supplements to 14 underweight children of Brgy. Patag, in cooperation with some alumni and other

benefactors with some assistance from the Philippine Carabao Center at VSU; and

- Facilitated the distribution of 240 pieces of G. I. sheets to 35 indigent victims of Super Typhoon Yolanda of Brgy. Salvacion, Dulag, Leyte which were donated by the employees of the *Four Seasons Resort* at Hualalai, Hawaii, through the alumna of the Valencia National High School (VNHS) of Valencia, Bohol.

3. The **Legal Office** filed one (1) criminal case for Robbery with Force Upon Things at the Regional Trial Court, Baybay City; conducted/prosecuted investigations and acted on/settled different complaints/reports; represented in court hearings the cases on theft and robbery that happened within the University campus; acted on 149 complaints dropped in "Suggestion Boxes" installed in different buildings of the University; and conducted the following seminars/forum, in coordination with the Office of the Director of Administration and Human Resource Development (ODAHRD) and the University Supreme Student Council (USSC): *Orientation Seminar of VSU Security Guards, Orientation Seminar of New Faculty and Staff, Forum on Student Handbook and Anti-Hazing, and Civil Service Commission (CSC) General Review.*

OFFICE OF THE VICE PRESIDENT FOR INSTRUCTION (OVPI)

The Office of the Vice President for Instruction (OVPI), together with the colleges in the Main Campus and external campuses and six (6) offices, continued to uphold VSU's drive for academic excellence as a premier university of science and technology.

1. The VSU **Graduate School** implemented in the First Semester of SY 2014-2015 the BOR Res. No. 58 s. 2012 which requires Ph.D. students to conduct a public presentation of their dissertation as one of the requirements for graduation. Moreover, the Ph.D. students are required to submit a technical paper in publishable form to a peer-reviewed journal as additional requirement for graduation per BOR Res. No. 59, s. 2012. The Graduate School also published four (4) issues (Vol. 1 Nos. 1 & 2 and Vol. 2 Nos. 1&2) of the **GradNewsLine**, the official newsletter of the Graduate School and the Online Programs Office. It also released Volume 10 of the Science and Humanities Journal and Volume 7 of the Graduate Research Abstracts.



A graduate student presented her Ph. D. dissertation before some faculty, staff and students of VSU.

2. The **Online Programs Office (OPO)**, composed of the Multimedia Development Center (MMDC), VSU Open University (VOU) and the VSU Printing Press (VPP), continued to coordinate the distance education program of the university. In preparation for the offering of graduate courses through the online mode, OPO, through the Systems Administrator, has started developing the e-classrooms of some of the extramural courses, created 11 courses and 83 subjects, as well as 15 user accounts for students, and uploaded instructional material contents to three (3) courses. The Multimedia Development Center and OPO conducted two (2) workshops on Instructional Materials Development on January 28-29, 2014 and February 25, 2014 to develop a standard format for course syllabi for VSU. In addition to trainings, MMDC/OPO continued to provide video documentation, video recording, and video editing services to VSU faculty, staff and students.



The workshop on instructional materials development conducted by the Online Programs Office.

3. The **VSU Radio DYDC 104.7 FM**, formerly the VSU DYAC AM, tagged as the Development Campus radio of VSU had its maiden broadcast on

May 30, 2014. It has a frequency of 104.7 MHz with a power of 10 watts that could reach within VSU Campus and nearby barangays of Guadalupe, Pangasugan, Patag, Gabas, Marcos, and San Agustin. The station was used primarily as a laboratory for DevCom Broadcasting students and interns and with the new FM radio it reinvigorated its mission as a development radio for farmers, fisherfolk and out-of-school-youth in the said barangays. Few months after the test broadcast, it started airing the following regular programs from at 5:00 o'clock in the morning to 5:00 o'clock in the afternoon from Mondays to Fridays: *Mga Heredero sa Kinaiyahan* (*Heirs of the Environment*, farm program); *VSU Campus Talk* (tackling campus issues for faculty, staff and students); *Sukaranay* (health and nutrition program); *Hadspads* (hodgepodge, radio magazine); *Kalambuan News* (development news program); and *Legal Matters* (with Atty. Rysan C. Guinocor). It also had nine (9) hourly music programs of different genres like *praise songs*, *togtog bisaya*, *morning pop music*, *easy listening music*, *current hits*, *OPM*, *mellow rock*, *pinoy bands*, and *dance music* and free public service announcements (PSAs).



Prof. Manolo B. Loreto Jr., Dean of Students and Ms. Marwen Castañeda, Guidance Coordinator of VSU with the program host, Ms. MMCano during the VSU Campus Talk at DYDC-FM

The station had also accomplished the following: conducted a live special coverage with situationer reportage during the Jackfruit Congress, Farmers' Forum, Fun Run, Booth Contest, Miss VSU, Rodeo, etc. during the 90th VSU Anniversary; produced and aired developmental radio plugs, in cooperation with the development communication students; made several community outreach programs as an off-shoot of the radio forums produced and aired at the station with broadcasting majors; and forged linkages with the Worldfish, the LGUs of Sogod, So. Leyte for its farm program on *Mga Heredero*

sa Kinaiyahan and the Department of Agriculture in Region 8 (DA-R08).

OFFICE OF THE VICE PRESIDENT FOR ADMINISTRATION AND FINANCE (OVPAF)

The Office of the Vice President for Administration & Finance (OVPAF) supervised and coordinated activities and programs relative to the management, maintenance, development and utilization of the human, physical and financial resources of the University both in the Main and the external campuses. During the year, it spearheaded the VSU Budget Review and Workshop on the Preparation of the Project Procurement Management Plan (PPMP) on January 15, 2014 for the different colleges, departments and offices of VSU. OVPAF supervised the following offices:

1. The **Procurement Service Management Office (PSMO)** facilitated the procurement of 1,724 Purchase Requests for Supplies/Materials/Equipment (S/M/E) through sealed canvass, 12 public biddings for the procurement of S/M/E and Infrastructure projects for the University and APR/PO, procurement of commonly used items available at PS-DBM; prepared Inspection Reports and Stock Position Sheets of delivered S/M/E; facilitated for the immediate payment of S/M/E purchased from the suppliers; provided assistance to the Property Office in the following: improved system of withdrawal/delivery of S/M/E following the procedure recommended by the Commission on Audit (COA); conducted yearly physical inventory of commonly used items at the *bodega* as well as properties of the University, disposal of unserviceable properties, and in complying with the requirements of COA and the Department of Budget and Management (DBM).
2. The **Property Management Office (PMO)** facilitated the partitioning of the former SPMO building to separate the PMO from the PSMO; facilitated some innovation for the flow of ARE/ICS; partially conducted the comprehensive physical inventory on some staff of VSU-Main Campus, VSU-Manila and VSU-Cebu offices; prepared and submitted the required reports to the higher offices and the CY 2013 Annual Inventory Report of PPE; reconciled the book of accounts for properties; processed the registration of licenses of all serviceable vehicles of the university; submitted

the list of VSU buildings to the Government Service Insurance System (GSIS) for insurance coverage for fire/lightning/earthquake calamities; updated the property records of VSU Main Campus, Manila Office and Cebu Office; prepared and maintained the BIN cards/Stock cards for monitoring and report-making purposes; prepared the monthly Report of Supplies and Materials Issued (RSMI); facilitated the issuance and deliveries of supplies and materials withdrawn from the storeroom through RIS to the different units of the university and the cancellation of ARE/ICS of the returned unserviceable properties; and submitted reports to concerned offices which have direct supervision over the Property Management Office.

3. The **Security Services Office (SSO)** apprehended three (3) cable wire thieves; suppressed the fire that started in one of the dormitories of the VSU Main Campus and in one of the houses at Brgy. Marcos, Baybay City and responded to a fire call in one of the residences in Brgy. Guadalupe; participated both in the City Street Parade during the opening of the Fire Prevention Month sponsored by the Bureau of Fire Protection (BFP) and the Re-orientation Seminar conducted for all VSU security guards by the ODAHRD; assisted in the evacuation operation of VSU and nearby barangay residents during the typhoon Rubi; facilitated the implementation of the gate pass sticker for the motor vehicles; followed-up investigations and actions on stealing incidents of government equipment, personal belongings and money, ransacked houses, and hold up; responded immediately to emergencies like road accidents, fire call, conduct of patients for medical treatments, and call for security assistance.
4. The **University Connectivity Office (UCO)** facilitated the connection of the VSU Internet to Bayantel which was destroyed by super typhoon Yolanda; connected the damaged node via wifi so that the VSU local network (IP Messenger) could provide the alternate communication system within the VSU Main Campus as the telephone lines were all down; tapped the VOIP facility of the Visayas Consortium for Agriculture and Resources Program (ViCARP) after the typhoon destroyed the TELCO lines. This supplemented the network communication of the Office of the President (OP), Office of the Vice President for Administration and Finance (OVPAF), Accounting Office, Cash Office, and the Office of the Vice President for Research and Extension

(OVPRE). It provided STL link to DYDC using via wifi connectivity for remote news coverage during the VSU anniversary. The Office also provided repair and maintenance to different units, offices, departments, and colleges of the university on computer and server, IP Messenger assistance, repairs of cable, computer, server, and printers as well as configuration of computers and installation of cables.

5. The **Office of the Director for Administration and Human Resource Development (ODAHRD)** prepared all mandatory documents and personnel systems and programs as required under PRIME-HRM; presented VSU's best practices in Human Resource (HR) Management and Performance-Based Bonus (PBB) implementation in the following fora/conferences: *Civil Service Commission (CSC) Region 8, PASUC Region 8, Civil Service Commission HR Regional Summit*, and *CPOWLI Year-End Conference*; participated in a focus-group-discussion (FGD) at CSC Central Office and presented VSU's best practices related to SPMS, ARTA implementation, and PRIME HRM and the perceived impact of CSC HR programs at VSU; secured approval from the Department of Budget and Management (DBM) for the conversion of 14 higher faculty positions under the scrap-and-build policy to 28 Instructor I positions; facilitated the release of NOSCA of upgraded faculty positions per NBC 461 5th cycle evaluation and five (5) NCAs for the release of funds of the newly-filled positions; facilitated the issuance of promotional appointments to 30 administrative staff and issuance of original appointments to 21 new faculty and 15 administrative staff; facilitated the conversion of the employment status of 13 faculty members from temporary to permanent; spearheaded the month-long celebration of the 114th CSC Anniversary with the following activities: Flag Raising Ceremony and Anniversary Program on September 1, 2014, *Hataw* and dance exercise every Tuesday and Thursday starting September 3, 2014, blood pressure-taking every Wednesday starting September 3, 2014, Reorientation Seminar among VSU Security Guards in two (2) batches - September 4 and 5, 2014, Review Classes in preparation for the April 2014 Civil Service Commission (CSC) examination and review classes in coordination with URC in preparation for the October 2014 CSC examination; facilitated the conduct of the following: Reorientation Workshop Among Frontliners on Good Customer Service, Work Values & Anti-Red Tape Law on September 10, 2014, Gender

Sensitivity Training on September 11, 2014, Stress & Stress Management in the Work Place on September 24, 2014, Orientation/Reorientation Seminar on SPMS and Service Credits for Isabel Campus on September 29, 2014 at *Baybayon ni Agalon*, Albuera, Leyte; and Fun Run/Fun Walk during the Culmination and Awarding of Loyalty Awards to VSU Main Campus personnel on September 30, 2014.



The CSC PRIME-HRD Team during the conduct of CHARM at VSU

Moreover, it conducted/facilitated 25 trainings with a total of 1,036 participants; prepared and processed 183 appointments and contracts for newly hired and renewal of regular academic employees; 30 appointments for promotion with 15 regular administrative positions; 9 and 3 Supplemental Plantilla for promotion and for NBC 461 5th cycle, respectively.

The ODAHRD supervised the **Records Office (RO)**. During the year, it conducted actual disposal of records witnessed by NAP and COA representatives at the VSU Main Campus, VSU Tolosa and VSU Alangalang campuses; enlarged/framed and displayed 55 archival pictures/documents at the Archives Center Museum; encoded the list of the different memoranda, Administrative Orders, Memorandum Circulars, and outgoing official mails; filed documents/records/materials from different offices; dispatched official mails to Post Office/LBC; and, delivered memoranda, Memo Circulars and other issuances, mails from the Post Office, and other communications to different units concerned.

6. The **Office of the Director for Finance (ODF)** facilitated the implementation of the following: reshuffling of staff at the Cash Office, ATM payroll system for Job Order workers starting June 2014, and Cash Cards for claims of students; released the budget allocation from General Fund and STF

(laboratory share) per office, departments and centers for 2014; facilitated and implemented the following online reports of DBM: Online Submission of Budget Proposals (OSBP), Unified Reporting System (URS) and (Financial Accounting Reports (FAR); established a monitoring system on the reports needed from other offices for on time submission of requirements needed by regulatory bodies in coordination with the following offices under its supervision:

- a. The **Budget Office** prepared the actual, current and proposed data reports for the first volume of budget proposal for submission to the National Economic Development Authority (NEDA), Department of Budget and Management (DBM), Philippine Association of State Universities and Colleges (PASUC) and Commission on Higher Education (CHED) for FY 2015 Budget Proposal; prepared the actual status of funds for Personal Services (PS), Maintenance and other Operating Expenses (MOOE), and Capital Outlay (CO) and all the Budget Forms per National Expenditures Program (NEP) given by DBM and CHED for submission of the final budget proposal (Volume 2) to CHED, DBM, Congress and Senate and final approval of the President of the Philippines as General Appropriations Act (GAA) for FY 2015; assisted in the preparation of the Program and Expenditures Matrix on Internally Generated Income for approval of the Board of Regents (BOR) for four (4) quarters of FY 2014 and proposal of income utilization for FY 2015; prepared subsidiary ledgers per fund upon receipt of the GAA from DBM and approved Sub-allotment of Income Utilization from BOR and Director of Finance; controlled allotment and obligated Purchase Orders (PO), vouchers, payrolls and posted the corresponding subsidiary ledgers per fund/project; prepared and submitted the following reports to DBM, COA, CHED and other government agencies: Budget Accountability Report (BAR), Quarterly Budget and Financial Accountability Reports (BFAR), Quarterly Financial Reports of Operation, Yearly Budget Execution Documents (BED 1 and 3), yearly report for Normative Financing, and internal reports for AACCUP purposes and others as required by the Administration.

- b. The **Cash Office** continued the practice of daily deposit of collection and remittances, the “No Noon Break Policy”, the 7:00 A.M. to 7:00 P.M. collection services during registration period and during Mid-term and Final exams, the assignment of five (5) tellers to cater to the needs of the students during enrollment and payment periods and assign additional teller to receive the payments of senior citizens, pregnant women and partially disabled clients during mid-term and final schedules; implemented the newly-developed system in “Easy Access” of a school year and semesters that made the collection faster; disbursed 100% of the following appropriations: General Fund -101, funds under the Retirement Gratuity/Terminal Leave (RGTL) to cover payments of retired staff and personnel, funds allotted for payment of salaries, wages and other payables under PS as well as for the funds allotted for payment of MOOE; effected 100% fund transfers of the PS and MOOE requirements of the operating units/cooperating stations of the research centers of the university as well as of the external campuses; delivered check payments to all VSU suppliers; coordinated with VSU Cebu and Manila Liaison Officers with regard to payment made through transmittals; continued to coordinate with the Office of the Dean of Students and the University Registrar on matters related to the students' services; continued the ATM payroll for Job Order personnel and the cash card system in disbursing students' stipends as well as the payment of cash for less than P500.00 for MOOE transaction; issuance of official receipt for every collection made and for all remittances received from the operating business units of the University; submitted weekly reports of collections and deposits and monthly reports of checks issued for Fund 101, Fund 101-T, STF-Fund 164, Fund 161-RF/IGP and PCC Fund to the Accounting Office and other reports required by DBM and COA; and Annual Accomplishment Report/Plans and Programs required by the University.
- c. The **Accounting Office** adopted the Revised Chart of Accounts for National Government Agencies; implemented the online remittances to BIR, GSIS, Pag-Ibig and PhilHealth; maintained complete set of books for all Funds of the University; issued certifications of Net Pay, Premium Payments,

Loan Payments, etc. of the university personnel; controlled and monitored ongoing research projects; drafted replies to COA-Audit findings on accounting related matters for signature of the President.

7. The **Office of the Director for General Services (ODGS)** is in-charge of the maintenance and improvement of the physical facilities of the University such as buildings, grounds and waste management, vehicles and equipment, water and sewerage system, and power and electricity. During the year, the different units of ODGS had the following accomplishments:



Phase I, Phase IA & Phase II of the 3-Storey Library Building

- a. The **Infrastructure Development and Building Maintenance Unit (IDBMU)** completed the following infrastructure projects: construction of the new three-storey Library Building (Phase I, Phase IA & Phase II); renovation of the Convention Center and VSU Beach Resort Pavilion; repair/renovation of the VSU Guest House, VSU Pavilion, and NSTP Building; repairs of the roofing of the Gymnasium, ceiling of the Department of Agronomy and Soil Science (DASS) classrooms and laboratories, ADE Building, and classrooms and laboratories of the Department of Pest Management (DPM); repairs of the Covered Walk near the VSU Market, Window Canopy of the Information Technology (IT) building, and VSU Beach Resort View Deck; and fabrication and installation of the Drainage RC Culvert at the new Library Building.

The Unit had also the following ongoing projects: repair of the Warner Apartments, Veterinary Medicine Building, and the Faculty and Staff Office of the Department of Consumer and Hospitality Management (DCHM); rehabilitation of the Sea Wall of the VSU Beach Resort and the classrooms of VSU

Tolosa which were damaged by typhoon Yolanda; and the repainting of roofs of the VSU Main Campus buildings.

b. The ***Water and Sewerage Services Maintenance Unit (WSSMU)*** completed the retrieval of PVC Pipes damaged by typhoon Yolanda in 2013; installation of pipelines from Magdagook Water Source to VSU Reservoir #1; plumbing installation at the VSU Pavilion, VSU Guest House, and VSU Convention Center; improved the Water Supply for the VSU Hatchery Project and Fish Pond; and completed various plumbing repairs and maintenance jobs in the VSU Main Campus. Ongoing projects include: construction of a Catchment Tank in the new water source; installation of the plumbing rough-ins in the new staff dormitory and new student dormitory as well as in the VSU Hostel Conference area.

c. The ***Power, Electrical and Sound Maintenance Unit (PESMU)*** mounted 20 lengths of 35' steel post and 2 lengths wooden post; repaired/restored the streetlights and wirings of the VSU Upper and Lower Campuses; installed electrical wirings, switches, outlets, panel board, lighting fixtures and aircon outlets of the VSU Guesthouse and Pavilion, Department of Community Development Education (DCDE) and the Staff Room of the Office of the President; restored electrical wirings, rough-ins and lighting fixtures of VSU Center for Continuing Education Building, DASS, DPM, College of Veterinary Medicine (CVM), Department of Animal Science (DAS), Department of Pure and Applied Chemistry (DoPAC), Department of Liberal Arts & Behavioral Sciences (DLABS), Department of Biological Sciences (DBS), and the Department of Plant Breeding and Genetics (DPBG); restored the Overhead Primary and Secondary Distribution Lines, tappings of the distribution transformers and service entrance, cut outs, and cross arms; installed electrical wirings during the Flower and Garden Show and in the different booths at the VSU Oval during the VSU Anniversary celebration; attended to 20 repairs and troubleshooting of the primary and secondary distribution lines and 20 distribution transformers within the VSU Campus, 190 electrical job request/orders and 65 sound system job request/orders. The ongoing projects include the installation of electrical

systems for the New Student Dormitory, New Staff Dormitory, the extension of Hostel; replacement and additional installation of transformers; and completion of the installation of the VSU Main Campus street lights.

d. The ***Heavy Equipment and Light Vehicle Maintenance Unit (HELVMU)*** completed the following repairs and maintenance: metal and steel works body repair and fabrication of Isuzu Bus 36, Trailer, L-200, and backhoe; engine overhauling and changing of Toyota Land Cruiser, Toyota Hilux, Mitsubishi Adventure, and Mitsubishi L-300; painted Isuzu Bus 36, 2-wheels trailer, Nissan Exalta, and a jeep; machined and fabricated the spare parts of the Payloader, Backhoe, Tractors, Isuzu Bus 36, and Isuzu DH 100; motor rewinding, vehicle rewiring and repair of Isuzu Bus 36, Willys Jeep, and Toyota Land Cruiser; provided transportation services to VSU personnel and visitors; land preparation for research and production; lawn mowing and ground sites improvement in the VSU Main Campus as well as in Alangalang and Tolosa campuses; and repair of Highway Perimeter Fence of the VSU Main Campus. Ongoing projects include the body repair and painting of Rosa Bus, Jeep Cherokee, Chevrolet Pick-Up, and Land Cruiser as well as engine overhauling of the Road Roller and spare parts machining and fabrication of Backhoe, Fire Truck and Rosa Bus.



VSU buildings landscaped and maintained by LSWMU

e. The ***Landscape and Solid Waste Management Unit (LSWMU)*** maintained the cleanliness and beautification of the campus grounds and surroundings; daily collection and disposal of solid wastes from the different houses, departments and other buildings within the VSU Main Campus; relocated the dumping site; daily collection of feeds for the deer; maintained the ornamental nursery of the Landscape Unit; and prepared the venues for special occasions of the different university activities.

OFFICE OF THE VICE PRESIDENT FOR PLANNING, RESOURCE GENERATION AND EXTERNAL AFFAIRS (OVPPRGEA)

The **Office of the Vice President for Planning, Resource Generation and External Affairs (OVPPRGEA)** spearheaded the 6th *Annual VSU Review of the Income Generating Projects (IGP) and the Special Trust Fund (STF) Projects of the University* on June 2-3, 2014 which was held at the VSU's Center for Continuing Education (CCE) to assess the 2013 operation and the financial and non-financial performance of all the projects as well as to identify the strengths and weaknesses of the projects; in cooperation with the Office of the Director for Administration and Human Resource Development (ODAHRD), conducted the *Faculty Development Planning Workshop* on February 20-21, 2014 at the 2nd floor of CCE wherein deans from the different colleges and external campuses presented their five-year faculty development plan; organized the *Performance Planning Review and Workshop* on November 14 and 17, 2014 at the VSU Center for Continuing Education (CCE) to revisit the 2014 OPCR targets and partial accomplishments of different colleges, centers, departments, offices/units of the University System. Likewise, the office also consolidated and published the *2013 Annual Report of the University*, in coordination with other offices and collected data for the normative financing, accreditation and other surveys. The OVPPRGEA supervised the following offices:

1. The **Office of the Director for Resource Generation Office (ODRG)** continued to monitor and coordinate the different income generating projects of VSU Main Campus; repaired and painted the VSU Market damaged by super Typhoon Yolanda and conducted minor repairs in the concessionaires' space; initiated efforts to improve the collection of rental and other collectibles from the concessionaires; and realized a gross income of P140,150.00 from the commercial exhibitors during the 90th VSU Founding Anniversary.



During the review of the RF and STF projects of VSU

2. The **VSU Manila Office (VMO)** served as a liaison office of VSU; continued to make representations for the University President in meetings, fora and other social functions in Manila: at the Department of Budget and Management (DBM) for the correction of Land Bank Account of the Congressional Initiative of Congressmen Romualdez and Aglipay for scholarship program, Department of Environment and Natural Resources (DENR) regarding the request for a Special Patent for VSU Tolosa, Commission on Higher (CHED) for the clearance of students conducting On-the-Job-Training (OJT) abroad with concurrence of the Bureau of Immigration, Intellectual Property Office (IPO) for application of utility model of Dr. Roberto Guarte and Dr. Feliciano Sinon, and to the Office of the Solicitor General for the deputation of Fiscal Vivero and Atty. Rysan Guinocor; facilitated the reconciliation of financial reports and release of checks for the AREC project from the Department of Energy, approval of the extension of 9F visa of eight (8) VSU foreign students at the Bureau of Immigration and travel clearance of VSU staff at CHED and Bureau of Immigration, and revalidation of the official passports of the VSU President and staff; and received parcels from the Post Office and other couriers and delivered these to their addresses.
3. The **University Review Center (URC)** continued to implement the review classes for the Licensure Examinations for Agriculturists and Teachers and launched the review classes for the Civil Service Career Eligibility Examination. Brochures and flyers with the information on the dates of the different examinations and the deadline of submission of application were distributed during graduation ceremonies in the different schools in Leyte and Southern Leyte as well as in the different local government units of Leyte for the licensure Examination for Agriculture. The Agriculturists reviewees came from 10 different schools in the Visayas and Mindanao excluding VSU Main and external campuses while LET reviewees came from 17 schools, excluding VSU Main and external campuses, from Leyte, Southern Leyte, Biliran, Samar, and Bohol provinces. Performance evaluation of the reviewers and reviewees were conducted.



A Reviewer gives her lecture on the students during the LET reviews



The newly repaired College Library Building of VSU Alangalang

THE EXTERNAL CAMPUSES

1. The **VSU Alangalang** facilitated and processed the appointments of three (3) Instructor I positions, renewal of appointments of 10 faculty members with temporary status, promotion of two (2) administrative staff, and approved 17 part-time instructors to teach for the 1st semester and 16 for the 2nd semester of SY 2014-2015; the Health Services Unit of the College coordinated with the RHU on the administration of Schistosomiasis treatment to students and personnel to control the spread of the disease; acquired a number of facilities/equipment for office and classroom use; completed the reconstruction of the Environmental Management/Home Technology Building, Nursery Building and the repair of the Administration Annex; monitored the ongoing reconstruction and repairs of some buildings.



Damaged building at VSU Alangalang during super Typhoon Yolanda

2. The **VSU Isabel** had the following construction and repair of buildings: 3rd phase ongoing construction of the Property and Supply Building and the concrete fence at the upper campus; restoration of electrical power supply; repair of the Administration Building, rehabilitation of the six (6) Engineering buildings; fabricated concrete posts for the boundaries of the College after the land survey; conducted the following activities during the 114th anniversary of the *Civil Service Commission* (CSC): *hataw* and dance exercise, taking of blood pressure of faculty and staff, review classes of non-illegible staff for the CSC examination, feeding to underweight children of Tulay, Brgy. Marvel, Isabel, Leyte, bloodletting activity with the Ormoc Chapter of the Philippine Red Cross, fun run/fun walk, and Orientation Seminar on Leave Benefits and SPMS.
3. The **VSU Villaba** completed the repairs of the following buildings destroyed by super Typhoon Yolanda from the **RAY Fund** received by the College: Administration Building, Guest House, Student Center, Farm and Machinery Shop, Academic Building, Library, faculty offices and comfort rooms. School officials also rehabilitated the covered walk from the gate to the Library building as well as the piggery, poultry and goat houses from the College Fund and income of projects, respectively. During the year, the College was able to procure different office equipment, technical and scientific equipment, communication equipment, office furniture and fixtures, machineries, books, laptop computers, printers, and projectors.
4. The **VSU Tolosa** received two (2) temporary school buildings from the **Red Cross Society of China** on January 13, 2014. The said buildings were made up of strong quality plastic materials with three (3) classrooms in each building that could accommodate 45-50 students per room. Moreover, the **Korea International**



Completion of the repair and repainting of the VSU Villaba Library (top), fabrication of library tables and procurement of chairs (bottom).

Cooperation Agency (KOICA) committed to donate US\$3-million for the construction of two (2) three-storey buildings to this Campus which was totally wrecked by super Typhoon Yolanda. The first building will house the administrative offices and classrooms while the second building will be for the students' dormitory, computer room and a canteen. Likewise, *Miss Juhee (Olive) Kim*, a graduate in Marine Biology specializing in macro-algae ecology and deployed as a Korean Volunteer in VSU Tolosa Campus, donated the remaining US\$29,500 from her Marine Hatchery Project to VSU Tolosa Campus for the purchase of the much needed equipment, supplies and materials. Her funding agency, the **Korea International Cooperation Agency (KOICA)**, approved her request to donate the remaining amount since her research project could no longer be completed as the laboratory was also devastated by the super typhoon.

Administrative Personnel Award

- **Ms. Miraflor A. Serato** of VSU Isabel got the 9th place in the Civil Service Sub-Professional Examination given on October 26, 2014.



The temporary school buildings donated by Red Cross Society of China to VSU Tolosa Campus.

MANPOWER RESOURCES

The VSU System had a total of 366 regular administrative personnel as of December 31, 2014, consisting of 298 in the VSU Main (2 PhD, 24 MS, 132 BS, and 140 undergraduate); 12 in VSU Alangalang (1 MS, 7 BS, 4 undergraduate); 19 in VSU Isabel (1 MS, 11 BS, 7 undergraduate); 18 in VSU Tolosa (1 MS, 12 BS, 5 undergraduate); and 19 in VSU Villaba (4 MS, 6 BS, 9 undergraduate).

During the year, the VSU Main Campus had 64 casual and 25 contractual administrative personnel as support staff.

Seminars/Trainings Attended

Two VSU employees, **Ms. Cecil Joy Y. Duatin** of the Graduate School and **Ms. Pauline S. Caintic** of the Visayas Consortium for Agriculture and Resources Program (ViCARP) based at VSU were able to avail of the Erasmus Mundus EXPERTS Program in Masaryk University in Brno, Czech Republic where they spent a one-month Masaryk University Staff Training (MUST) from April 6 to May 7, 2014.



Standing (L-R): Ms. Pauline Caintic (2nd) and Ms. Cecil Joy Y. Duatin (rightmost) during their one-month training at Masaryk University in Brno, Czech Republic.

In order to upgrade/update the knowledge of administrative personnel of the new circulars issued by the different government agencies, 276 personnel of the VSU System attended 152 trainings/seminars/workshops, of which 2 were international, 47 national, 35 regional, and 70 local.

INFRASTRUCTURE REPAIRS

The VSU Alangalang received the amount of P 6.2 million from the **National Government**, through the *Rehabilitation Assistance Fund for Yolanda (RAY)*, for the repairs of buildings damaged by the super typhoon on November 8, 2013, while the **Korea International Cooperation Agency (KOICA)** allocated US\$3-million to rehabilitate the VSU Tolosa Campus that was totally wrecked by the said super typhoon.

ALUMNI

- The VSU Alumni Association (VSUAA), Inc., through **Batches 1988 and 1989**, sponsored the **VSU Grand Alumni Homecoming 2014** on May 16-17, 2014 which focused on the theme: *"Paglaum ug Pagtinabangay Taliwala sa mga Pagsulay"* (Hoping and Working Together in the midst of Adversities). The gathering had 234 officially registered alumni.
- The Alumni and Community Relations Office (ACRO) sponsored the **Kaleidoscope: An Art Exhibit** that featured the artworks and paintings of the *"Hugpong Sabado Group of Artists"* at the VSU Balay Alumni and was opened on August 1, 2014 as a fund raising project for the *"Tabang Mo, Kaugmaon Ko"* Scholarship Program of the VSU Alumni Association, Inc.

Alumni Achievements/Awards

- **Miss Eula Dee A. Lañada**, a 2013 graduate of BS in Development Communication (BSDC) major in Development Journalism, won the **Best Undergraduate Research Paper Award** during the 3rd *National Communication Research Conference (NCRC)* held on February 6-8, 2014 at the College of Mass Communication, University of the Philippines Diliman, Quezon City. The title of her paper was "Communication Environment and Risk Perception of Dog-borne Zoonotic Diseases among Baybay, Leyte Residents."
- **Dr. Igmedio J. Tabianan**, a BS in Agricultural Engineering (BSAE) and the Provincial Agriculturist of Negros Occidental, received the **Outstanding Agricultural Engineer** in the field of **Agricultural and Rural Development** during the 64th National Convention of the Philippine Society of Agricultural Engineers (PSAE) held at the VSU Convention Center on April 21-25, 2014.
- The following VSU alumni who were placers in the 2013 Board Examinations conducted by the Professional Regulation Commission (PRC) received medals and cash awards from the University and some benefactors during the 61st Collegiate Commencement Exercises on May 9, 2014: **Engr. Jeremia M. Añasco** – **1st place** (P35,000 and medal) and the *Cong. Jose Carlos L. Cari Award of Excellence for Agricultural Engineers* (P15,000 and medal); **Engr. Wilmar P. Alfeche** – **5th place** (P15,000 and medal) and the *Hon. Atty. Florante A. Cayunda Award of Excellence for Geodetic Engineers* (P5,000 and medal); **Engr. Celestial A. Manigo** – **9th place**

(P15,000 and medal) and the *Hon. Atty. Florante A. Cayunda Award of Excellence for Geodetic Engineers* (P5,000 and medal); and **For. Angie Lee Grace C. Joarque – 10th place** (P10,000 and medal) and the *Mayor Carmen L. Cari Award of Excellence for Foresters* (P10,000 and medal).



Engr. Jeremia M. Añasco received cash award and medal from VSU during the 61st Collegiate Commencement Exercises on May 9, 2014 for being the topnotcher in the 2013 Agricultural Engineering Board Examination.

- **Engr. Jeremia M. Añasco**, 2013 BS in Agricultural Engineering (BSAE) and Instructor I of VSU, received the **PSAE Award** for being the topnotcher and **Engr. Lemar N. Bacordo** for getting the 3rd place in the 2013 Agricultural Engineering Examination during the 64th *National Convention of the Philippine Society of Agricultural Engineers (PSAE)* held at the VSU Convention Center on April 21-25, 2014.
- The following agricultural engineer alumni won in the different contests during the 64th *National Convention of the Philippine Society of Agricultural Engineers (PSAE)* held at the VSU Convention Center on April 21-25, 2014: **Engr. Ariel E. Endico** – *Champion in the National PSAE Quiz Show*; **Engr. Jonathan M. Reambonanza** – *Champion in the Tractor Rodeo*; **Engr. Lemar N. Bacordo** – *Champion in AutoCAD Battle*; **Engr. Jonathan G. Vales** – *Champion in Calculator Manipulation*; **Engr. Mencius B. Lesidan** – 3rd place *Student Research Presentation*.

Alumni Activities

Seven (7) VSU Alumni Golden Jubilarians were given Certificates of Recognition during the 90th VSU Anniversary on August 11, 2014, namely: **Dr. Eliseo R. Ponce**, **Dr. Lucelyn B. Ponce**, **Dr. Jimmy R. Rosillo**, **Ms. Erlinda P. Rosillo**, **Dr. Basilio A. Dabuet**, **Ms. Jovita V. Dabuet**, and **Ms. Amparo Gorre**.

VISAYAS STATE UNIVERSITY

ViSCA, Baybay City, Leyte

STATEMENT OF FINANCIAL PERFORMANCE

For the Year Ended December 31, 2014

INCOME	2014	2013
Subsidy from National Government	533,355,721.55	411,114,589.29
Clearance & Certification Fees	208,593.49	160,765.00
Other Service Income	19,815,912.15	19,554,326.51
Fines & Penalties-Service Income	39,989.00	74,232.80
Other Business Income	40,599,499.11	31,284,032.20
Fines & Penalties-Business Income	499,552.47	297,095.78
School Fees	101,991,492.95	55,496,222.38
Permit Fees	-	55.00
Registration Fees	2,170,164.00	3,139,544.00
Athletic & Cultural Fees	-	7,311,345.45
Diploma & Graduation Fees	-	712,497.50
Garbage Fees	-	81,150.00
Library Fees	-	2,391,747.00
Medical, Dental & Lab. Fees	-	25,571,458.56
Transcript of Records Fees	-	723,942.00
Miscellaneous Income	-	569,847.81
Examination Fees	494,970.67	398,280.00
Rent/Lease Income	65,130.00	-
Income from Grants & Donations	622,714.63	628,500.00
Income from Canteen Operations	-	1,043,336.16
Income from Hostels/Dormitories & Other Like Facilities	11,207,793.98	7,161,857.60
Income from Printing & Publication	1,263,849.50	771,070.00
Other Gains	65,084.33	-
	712,400,467.83	568,485,895.04
EXPENSES		
Personal Services	380,407,721.27	369,586,438.37
Maintenance & Other Operating Expenses	188,752,771.68	160,733,626.74
	569,160,492.95	530,320,065.11
NET INCOME FROM OPERATIONS	143,239,974.88	38,165,829.93
OTHER INCOME(EXPENSES)		
Interest Income - banks	254,931.91	660,160.97
Impairment Loss - Loans & Receivables	(165,067.68)	-
Loss on Foreign Exchange	(7,712.54)	-
Loss of Assets	(1,392,057.87)	(198,088.86)
	(1,309,906.18)	462,072.11
INCOME BEFORE FINANCIAL CHARGES	141,930,068.70	38,627,902.04
FINANCIAL CHARGES		
Bank Charges	100.00	-
	100.00	-
INCOME(LOSS) BEFORE TAX	141,929,968.70	38,627,902.04
TAXES		
NET INCOME (LOSS) FOR THE YEAR		
OTHER COMPREHENSIVE INCOME		
Unrealized gains on available for sale investments		
TOTAL COMPREHENSIVE INCOME(LOSS)	141,929,968.70	38,627,902.04

VISAYAS STATE UNIVERSITY

ViSCA, Baybay City, Leyte

STATEMENT OF FINANCIAL POSITION

As of December 31, 2014

	2014	2013
ASSETS		
Current Assets		
Cash on hand and in banks	297,977,952.61	191,278,939.22
Receivables - net	86,870,942.64	66,487,563.60
Inventories	9,632,680.74	6,242,062.34
Prepayments	625,931.19	536,656.04
Other Current Assets	78,563.00	78,563.00
	<u>395,186,070.18</u>	<u>264,623,784.20</u>
Non-current Assets		
Property & Equipment - net	296,285,307.96	210,505,686.66
Other Assets	6,134,231.91	6,310,876.33
	<u>302,419,539.87</u>	<u>216,816,562.99</u>
TOTAL ASSETS	697,605,610.05	481,440,347.19
LIABILITIES AND EQUITY		
Current Liabilities		
Payables & Other Liability Accounts	130,709,879.91	66,861,992.04
	<u>130,709,879.91</u>	<u>66,861,992.04</u>
Non-current Liabilities		
Customers' Deposits Payable	1,337,889.61	1,099,672.66
Other Payables	41,914,563.78	49,109,514.33
Trust Liabilities	6,502,325.83	-
Other Deferred Credits	39,923,510.46	14,262,327.47
	<u>89,678,289.68</u>	<u>64,471,514.46</u>
TOTAL LIABILITIES	220,388,169.59	131,333,506.50
EQUITY	477,217,440.46	350,106,840.69
TOTAL LIABILITIES & EQUITY	697,605,610.05	481,440,347.19

SUPPORT SERVICES





Oath-taking of the advisers of different student organizations of VSU.

UNIVERSITY STUDENT SERVICES OFFICE (USSO)

The University Student Services Office (USSO) supervised the implementation of the different programs and services for the development and welfare of the students. The different units under USSO had accomplished the following: conducted the VSU Entrance Scholarship Examinations for high school graduating students and information campaign on the VSU curricular programs in selected high schools in Leyte, Southern Leyte, and Bohol; processed the admission application of more than two thousand new students during the first semester of SY 2014-2015; conducted orientation to the new students; extended guidance and counseling services; administered psychological tests; facilitated the processing of application for scholarships/grants of VSU-funded, other agency-funded and privately-funded scholarship/grants; facilitated the accommodation of students in the 26 student dormitories in the Main Campus; recognized 71 student campus organizations for SY 2014-2015 and coordinated 706 student organization activities which included community outreach, educational, socio-cultural, recreational, fund raising, and organizational development; and established linkage with other government and private agencies for possible employment of graduates.

STUDENT WELFARE AND DEVELOPMENT

Student Admission

The information campaigns and the conduct of the entrance scholarship examinations for high school graduating students were coordinated by the Student Admission Section of USSO. During the year, entrance examinations were conducted in selected

high schools in Leyte, Southern Leyte, Cebu, and Bohol while Entrance Scholarship Examinations were conducted in 14 schools: Leyte -6, Southern Leyte – 2, Cebu – 2, and Bohol - 2. Moreover, more than 2,000 admission applications of new students were processed during the first semester of SY 2014-2015.

Guidance and Counseling

The Guidance and Counseling Section conducted individual or group counseling to students on matters related to their studies, and career path. It also initiated the “Guidance Awareness Days” which was held at the VSU Eco Park on October 1-3, 2014; counseled 925 walk-in clients, (909 were on individual sessions while 16 on group sessions) as well as 435 referred clients (426 individual sessions and 9 group sessions).

Student Housing

The 26 student dormitory units of VSU Main Campus comprising 7 units for males, 17 for females and two (2) for co-ed residents had a total occupancy of 1,771 students. However, a total of 1,851 students (24.07%) were accommodated for the 1st semester of SY 2014-2015 and 1,794 students (26.77%) during the 2nd semester of SY 2014-2015.

Aside from the regular student-residents in the dormitories and cottages, transients were also housed in the dormitories during school break periods. In summer 2014, a total of 349 transient-residents were accommodated in dormitories such as the reviewees from the VSU University Review Center, PSAE Convention participants, Focolare delegates, students from Villaba Campus, trainees from PhilRice and others. Year-round major and minor repairs and maintenance work were carried

out in the different dormitories.

Student Organizations and Activities

The Students' Organizations and Activities Section of USSO coordinated 706 activities of the different student organizations like community outreach, educational/socio-cultural/recreational activities, fund raising and organizational development. It conducted orientation seminars to the treasurers of the different student organizations on minutes preparation and how to make resolutions, peer group facilitation, and leadership enhancement seminar. It also facilitated the attendance of students in different activities/seminars /conventions/ congress in different parts of the country as well as in Asian countries like Singapore and Indonesia.

Seventy one (71) campus organizations during the SY 2014-2015 were recognized by the University Student Services Office (USSO), through its *Student Organizations and Activities Section*, namely: 27 Course-Related Organizations, 10 Greek-Lettered Organizations, 11 Interest Organizations, 3 Regional Organizations, 11 Religious Organizations, and 9 Supreme Student Councils (SSCs).

Placement of Graduates

The Placement Section of USSO conducted a *Jobs Fair* on May 20, 2014 with eight (8) participating companies. There were 60 job vacancies, 162 job applicants but only 139 were interviewed. It also assisted the *Near Hire Training (NHT)* conducted by Convergys with 32 trainees the *Special Recruitment Activity (SRA)* of the Leyte Communications Training Center with three (3) applicants and PhilRice with 34 applicants. Several companies were also accommodated for career opportunities of the VSU graduates.

UNIVERSITY REGISTRAR

The University Registrar issued 11,835 copies of credentials, transcript of records, and certifications needed for employment, travels abroad, scholarship grants, licensure examinations, and other related purposes; valued and updated 10,062 records/checklist of students; sent 22,680 copies of grades to the parents/ guardians of students; monitored and followed-up 7,857 incomplete grades of students; received and recorded 4,096 completion grades of students; prepared 1,450 diploma of all graduating students of the Main Campus and external campuses; facilitated the preparation of necessary documents of the departments and colleges for accreditation purposes; computed and consolidated the full time equivalent (FTE) of

enrolment of the Main Campus and external campuses for budget preparation; encoded in the database the records of graduates including in the past years; assisted in the conduct of orientation to the new students especially on the academic policies of the university; processed confirmation to the agencies and embassies verifying the records of students/graduates applying for work abroad; facilitated the authentication of diploma and other documents of students/graduates needed in their applications for employment and scholarships/ assistantships in other countries; and assisted students in gathering data needed in their research/thesis and in their subject requirement.

UNIVERSITY LIBRARY

The University Library conducted an on-the-job training to the senior students of the Leyte Normal University taking up Bachelor in Library Information Science on the Library of Congress System of organizing, classifying, and cataloguing of books and non-book materials, management, and processes at the VSU University Library. The materials in the *Filipiniana Section* were for room use only due to the deteriorating physical conditions of the materials and exposing them to outside condition might damage its original condition.

Acquisitions and Donations

The University Library continued to acquire additional learning materials and references through purchase, donations or exchange. The Asia Foundation's Books project donated 225 volumes of books on various discipline. During the year, the number of library holdings both print and non-print was 70,405 volumes.

It received sets of computer from the Philippine Librarians Association, Inc. in cooperation with the Eastern Visayas Region Librarians Council.



New books acquired by the VSU Villaba for its Library.

The libraries of the external campuses also acquired books, through purchase and donations, during the year: **VSU Alangalang** - 218 books/360 volumes, 85 copies of magazines and journals; **VSU Isabel** - 156 books/131 titles, 7 periodicals/43 titles, and 3 maps. The Future Elementary Educators' League (FEEL) donated 33 novels, 7 technical books and 1 medical book and the EVLRC-Region VIII (Philippine Librarians Association Incorporated, Eastern Visayas Region Council; **VSU Villaba** - 276 books.

QUALITY ASSURANCE CENTER (QAC)

The Quality Assurance Center (QAC) spearheaded the conduct of a *Planning Workshop for the Preliminary Survey Visit (PSV)* on March 17, 2014 for the following programs: BS Geodetic Engineering, BS Economics, BS Nursing, BS Environmental Management, MS Tropical Ecology, MS Food Science and Technology, and MS Forestry as well as the one (1) day *Orientation-Workshop for Institutional Sustainability Assessment (ISA)* on September 23, 2014 to familiarize the participants on the preparation of various documents before these are submitted to CHED Regional Office;



Level IV Phase 1 of Bachelor of Animal Science and BS Agribusiness programs

facilitated the accreditation of the following: Level IV Phase 2 accreditation of the BS in Agriculture (BSA) curriculum on April 1-2, 2014, the 4th Survey Visit for Level IV Phase I for the Bachelor of Animal Science (BAS) and the Bachelor of Science in Agribusiness (BSAB), the revisit of the Bachelor of Secondary Education (BSEd) for Areas 2, 3 and 5 and the Bachelor of Elementary Education (BEEd) for Areas 3 and 5) and Area 4 for the MS Agriculture, MS Education, MAgDev Agriculture, and MAgDev Education, and the Preliminary Survey Visit (PSV) of the seven (7) programs offered in the Main Campus, namely: BS Geodetic Engineering, BS Economics, BS Nursing, BS Environmental Management, MS Tropical Ecology, MS Food Science and Technology, and MS Forestry; and the Level I Accreditation of programs in the external campuses of VSU

Alangalang and VSU Villaba.

VSU HOSPITAL

The VSU Hospital served 7,341 students and staff for their annual medical examinations; 6,382 outpatient consultations, 171 admissions, 5,427 basic laboratory and x-ray services; 6 health and promotion activities within the hospital, 10 community health fora, 2 wellness activities, 1 water supply monitoring, 1,947 dental procedures, and 7,329 dental examinations.

The following were the leading causes of morbidity in 2014: urinary tract infection, upper respiratory tract infection, bacterial skin infection, minor wound, systemic viral infection, community-acquired pneumonia low-risk, error of refraction, acute gastroenteritis, acute tonsillopharyngitis and anemia.



Dental services of the VSU Hospital

The activities conducted by the **Healthy Lifestyle Program** included: video showing and mini lectures in the hospital every Monday to patients on the following topics: *10 Great Healthy Habits for a Healthy New You*, *Hypertension and Its management*, *Diabetes Mellitus and Diabetic Exercise*, *PUSO* (Patient Understanding is a life Saving Opportunity), *Renal Disease and Kidney Transplant*. It also conducted two fora. The activities of the **Reproductive Health Program** included: pap smear/breast examination and STI cases diagnosed and treated using the Syndromic Approach. It also conducted five (5) **HIV-AIDS** information campaigns in the student dormitories of VSU as well as in trainings and congress of students. The activities of the **Maternal and Child Health Program** included 57 prenatal consultations, health teaching/mothers' class on proper nutrition and breast feeding and different kinds of immunizations given to the clients. The **Environmental Health and Sanitation Program** provided on-site/emergency or first-aid medical stations during various school activities,

conducted blood-letting in August 2014, together with the Philippine Red Cross, and conducted medical mission to the victims of Typhoon Yolanda at Barangay Guadalupe, Baybay City and Brgy. Marao, Inopacan, Leyte with the medicine and food packs from USVI.

PLANT DISEASE DIAGNOSTIC LABORATORY (PDDL)

The Plant Disease Diagnostic Laboratory (PDDL) analyzed 560 samples through molecular analysis, microbial analysis, routine diagnosis, isolation and purification of microorganisms. It acquired two (2) compound microscopes (Olympus and Nikon) from ACIAR and one Stereomicroscope. Orientations were conducted to 65 walk-in clients, trained 15 persons, and closely supervised 110 students and researchers who used the laboratory facilities for their researches.

CENTRAL ANALYTICAL SERVICES LABORATORY (CASL)

The Central Analytical Services Laboratory (CASL) is a service laboratory of VSU to provide reliable analytical services primarily to researchers, technicians, farmers, local government units, entrepreneurs, and other interested individuals in the Visayas and Caraga regions. It conducted 9,904 analysis consisting of Water - 497, Plant Tissue - 1,478, Soil - 7,706, and Organic Analysis - 223 and it generated a gross income of Php 1,053,905.00.

SOIL RESEARCH TESTING AND PLANT ANALYSIS LABORATORY (SRTPAL)

The Soil Research Testing and Plant Analysis Laboratory (SRTPAL) analyses the soil and plant tissue samples, water and organic materials submitted by students, researchers, farmers, businessmen, private firms, individuals, and non-government organizations. In 2014, the SRTPAL conducted 829 analysis: soil pH - 525, Organic Matter - 2, Nitrogen - 30, Phosphorus - 170, Particle size analysis - 96, Lime Score - 4, and Moisture Content - 2.

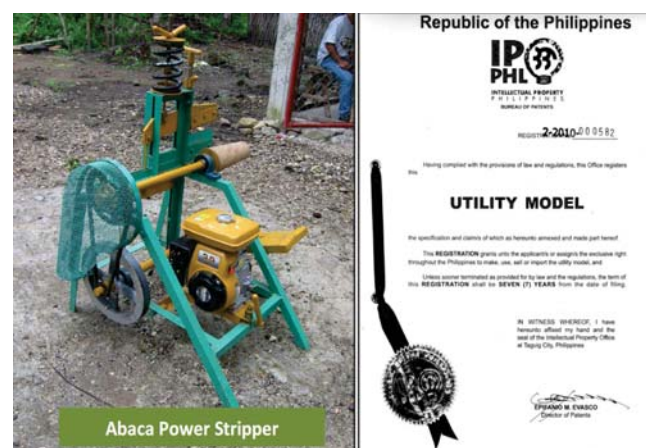
TECHNOLOGY PROTECTION AND TRANSFER OFFICE (TPTO)

The Technology Protection and Transfer Office (TPTO), formerly known as the Intellectual Licensing Office and the Technology Management

Unit, is mandated to recognize, administer, and facilitate the processing of VSU-generated technologies and other Intellectual Property (IP) assets identified for protection.

During the year, the Intellectual Property Office of the Philippines (IPOPHL) granted one (1) technology of VSU with a Utility Model Registration, namely: Optimized Portable Abaca Stripping Machine invented by Dr. Feliciano G. Sinon and Dr. Roberto C. Guarte with Registration Number: Utility Model (UM) Reg. No. 2-2010-000582 issued on February 7, 2014. The TPTO continued to monitor the status of the three (3) patent applications and one (1) utility model application of VSU which were yet pending with the IPOPHL.

In order to educate the researchers on intellectual property protection, concept of searching patent information, and making use of the patent system, the Office in partnership with the Visayas Regional Consortium for Agricultural Resources Program (ViCARP)-member institutions in Region VIII, conducted on November 5-7, 2014, a three-day seminar entitled "Patent Information Seminar Workshop" at VSU, Visca, Baybay City, Leyte with 15 faculty/researchers from the ViCARP-member institutions that successfully completed the training. The Office continued to provide the following IP services: patent searching, drafting, filing and prosecution, as well as IP management services to faculty/researchers students of VSU and the VICARP member-institutions.



The newly-registered technology of VSU, Optimized Portable Abaca Stripping Machine (Left) and the registration certificate from the Intellectual Property Office of the Philippines IPOPHL (Right).

PRODUCTION AND RESOURCE GENERATION





The **Income Generation Projects Office (IGPO)** monitored 10 revolving fund (RF) projects of the Main Campus, namely: Pavilion, Hostel, Guest House, PCA Seedlings, University Review Center, Printing Press, Coconut Non-food, Buko and Coco Seedlings, Seednet (Pangasugan Area), and Seednet (Patag Area) and 27 non-revolving fund (Non-RF) projects as follows: VSU Bakery, VSU Apartelle, VSU Garden Beach Resort, VSU Core Value Cottages, VSU Market, VSU Spring Water, VSU Hospital, Manila Lodging, Cebu Lodging, Convention Center, Feedmill, Bindery, PPO Shops, SDMU, Recreation Center, DASS (Soil Lab), NARC Abaca Power Stripper, Rootcrops, Makapuno, Ornamentals, Horti Nursery/Plant Nursery I, Locally Grown Seeds, Sustained Yield,

Corn Seeds (DPBG Corn By-Product), Coco Intercrops, Goat/Sheep, and FARMi Demo Farm/FGS (FARMi-GIS).

During the year, the ongoing projects, both RF and non-RF, generated a total gross income of P41,025,536.97 which was 38.11% higher than the gross income in 2013 (Table 15).

The external campuses had also their income generating projects. The **VSU Alangalang** realized an income of P250,740.48 from the sale of farm products, rental, etc. while **VSU Villaba** generated a net income of P462,008.14.

Table 15 . Income of projects monitored by the IGP Office (CY 2013 and CY 2014).

PROJECTS	2014	2013	Percent Increase/Decrease
RF-IGP			
Pavilion	12,419,710.12	7,132,111.29	74.14
Coconut Non-Food	341,776.54	2,320,903.90	(85.27)
Hostel	3,025,582.00	2,154,865.00	40.41
University Review Center (URC & CCE))	1,521,547.50	2,343,126.00	(35.06)
Printing Press	544,525.40	330,850.50	64.58
Buko & Coco Seedlings	43,050.00	345,310.00	(87.53)
Seednet (Pangasugan Area)	85,118.50	96,794.50	(12.06)
Seednet (Patag Area)	1,577,627.00	1,346,996.00	17.12
Guest House	246,264.00	349,356.21	(29.51)
PCA Seedlings	3,197,875.76	342,340.60	834.12
Sub-Total	23,003,076.82	16,762,654.00	37.23
Non-RF IGP			
VSU Bakery	3,765,440.46	3,270,078.83	15.15
VSU Apartelle	2,288,373.03	1,474,829.03	55.16
VSU Garden Beach Resort	1,046,135.00	844,935.00	23.81
VSU Core Value Cottages	2,079,188.63	1,192,973.69	74.29
VSU Market	837,840.46	770,659.77	8.72
VSU Hospital	1,440,269.50	1,235,567.69	16.57
Manila Lodging	577,280.00	527,463.00	9.44
Bindery	691,302.06	537,078.50	28.72
VSU Spring Water	610,019.00	647,946.68	(5.85)
Rootcrops	655,079.70	499,495.50	31.15
Convention Center	174,983.17	143,247.78	22.15
DASS (Soil Lab)	73,099.00	98,928.00	(26.11)
Feedmill	32,140.00	101,704.10	(68.40)
SDMU	151,459.40	116,811.90	29.66
Ornamentals	190,502.00	191,020.00	(0.27)
Makapuno	236,701.00	343,713.70	(31.13)
Cebu Lodging	157,460.00	55,120.00	185.67
Horti Nursery/Plant Nursery I	2,078,942.14	451,614	360.34
Goat/Sheep	133,400.00	133,815.40	(0.31)
FARMi Demo Farm/FGS (FARMi-GIS)	840.00	2,500.00	(66.40)
Corn Seeds (DPBG Corn By-Product)	28,552.60	81,071.50	(64.78)

Table 15 . Income of projects monitored by the IGP Office (CY 2013 and CY 2014).

PROJECTS	2014	2013	Percent Increase/ Decrease
Locally Grown Seeds	72,000.00	57,273.10	25.71
Recreation Center	25,468.00	21,393.00	19.05
PPO Shops	485,912.00	100,800.50	382.05
Sustained Yield	87,010.00	31,135.00	179.46
Coco Intercrops	7,113.00	10,585.00	(32.80)
NARC Abaca Power Stripper	895,950.00	-	
Sub-total	18,822,460.15	12,991,760.67	44.88
GRAND TOTAL	41,025,536.97	29,704,414.67	38.11

LINKAGES



Universidade do Minho



INTERNATIONAL LINKAGES



(L-R) Dr. Jose L. Bacusmo, VSU President, with European Union Ambassador to the Philippines, Honorable Guy Ledoux, and Czech Ambassador, Honorable Jaroslav Olsa, during the open forum on the occasion of Erasmus Mundus Day at VSU. Signing of the Memorandum of Understanding (MOU) between VSU and Mendel University in Brno, Czech Republic was also done on this day.

Erasmus Mundus Programme

The **Erasmus Programme** (*European Region Action Scheme for the Mobility of University Students*) is a European Union (EU) student exchange programme.



The VSU Erasmus Mundus Club Members are recipients of Erasmus Mundus scholarships for degree or non-degree trainings in prestigious European universities.

Erasmus Mundus is a cooperation and mobility programme in the field of higher education. It aims at enhancing the quality of European higher education and promoting dialogue and understanding between people and cultures through cooperation with third countries. In addition the programme contributes to the development of human resources and the

international cooperation capacity of higher education institutions in third countries by increasing mobility between the European Union and these countries.

The name of the Programme comes from Desiderius Erasmus Rotterdamus, a 15th-century Dutch humanist and theologian who studied in the best monastic schools throughout Europe. In his days, he was known as one of the most brilliant students of the time. "Mundus" is the Latin word for "world" and thus stands for the programme's global outreach.

The programme's specific objectives are:

- to promote structured cooperation between higher education institutions and enhance the quality in European higher education with a distinct European added value, attractive both within the European Union and beyond its borders.

- to contribute to the mutual enrichment of societies by developing the qualifications of women/men so that they possess particular skills, are open-minded and internationally experienced. This is achieved by promoting mobility for the most talented students and academics from third countries towards the European Union and vice versa.

- to contribute towards the development of

human resources and the international cooperation capacity of higher education institutions in third countries through increased mobility streams between the European Union and those countries.

- to improve accessibility and enhance the profile and visibility of European higher education in the world as well as its attractiveness for third country nationals and citizens of the European Union.

VSU is a partner university of two Erasmus Mundus Programme: **EXPERTS** and **AREAS**

EXPERTS - Exchange by Promoting Quality Education, Research & Training in South & South-East Asia. This is an Erasmus Mundus Action 2 (EMA 2) program coordinated by the University of Goettingen, Germany. It includes partnerships between European and third-country higher education institutions, exchange and mobility at all levels of higher education, including scholarship scheme. It involves 10 universities from Germany, Belgium, Spain, Italy, Sweden, Finland, Czech Republic, Belgium, Croatia, Portugal and 13 Asian universities from the Philippines, Thailand, Nepal,

India, Pakistan, Bangladesh, Cambodia, China, Afghanistan, Indonesia, Maldives, Sri Lanka and Bhutan.



Merry Jane Caparas spent two semesters at the Universidade do Minho, Portugal, as an undergraduate exchange student of AREAS (Erasmus Mundus).

AREAS – Academic Relations between Europe and Asia. This is also an EMA 2 program coordinated by Politecnico di Torino, Italy. It also includes partnerships between European and third-country higher education institutions, exchange and mobility at all levels of higher education, including

VSU Students and Staff who were awarded an Erasmus Mundus Fellowship for Studies and Trainings in European Universities in 2014.

NAME	MOBILITY	ACADEMIC FIELD	DURATION (MONTHS)	HOST UNIVERSITY	ERASMUS MUNDUS PROGRAMME
1. Merry Jane Caparas	BS Exchange	Envi. Mgt.	10	Universidade do Minho, Portugal	AREAS
2. Jay Daryl Ermio	BS Exchange	Agriculture	6	University of Goettingen, Germany	EXPERTS
3. Anna Martha G. Como	MS Exchange	Extension	6	University of Goettingen, Germany	EXPERTS
4. Litlen Dapar	MS Exchange	Ecology	6	University of Goettingen, Germany	EXPERTS
5. Deejay S. Maranguit	Full PhD	Soil Science	36	University of Goettingen, Germany	EXPERTS
6. Vicente B. Antipaso	Academic Staff	Physical Ed.	1	Masaryk University, Czech Republic	AREAS
7. Ma. Helen P. Seco	Administrative Staff	Internationalization	1	University of Goettingen, Germany	EXPERTS
8. Joserose B. Capricho	Administrative Staff	Internationalization	1	Masaryk University, Czech Republic	AREAS
9. Rommel B. Armechin	Post Doctorate	Soil Science	6	University of Goettingen, Germany	EXPERTS
10. Mark C. Ratilla	Full MS	Economics	24	Masaryk University, Czech Republic	EXPERTS
11. Cecil Joy Y. Duatin	Administrative Staff	Management	1	Masaryk University, Czech Republic	EXPERTS
12. Pauline Caintic	Administrative Staff	Management	1	Masaryk University, Czech Republic	EXPERTS

European Student and Staff who were Awarded an Erasmus Mundus Fellowship for Study Visit at VSU in 2014.

NAME	MOBILITY	ACADEMIC FIELD	DURATION (MONTHS)	HOST UNIVERSITY	ERASMUS MUNDUS PROGRAMME
1. Tobias Schultz	MS Exchange	Economics	6	University of Goettingen, Germany	EXPERTS
2. Sabine Schreiner	Administrative Staff	Forestry	1	University of Goettingen, Germany	AREAS

scholarship scheme. It involves 10 universities from Germany, Belgium, Spain, Italy, Sweden, Finland, Czech Republic, Belgium, Croatia and 10 Asian universities from Philippines, Thailand, India, Cambodia, Laos, Vietnam, Mongolia, Sri Lanka, Myanmar, Malaysia and Indonesia. VSU is the sole partner university for the Philippines from 2010 to 2015, close to 40 faculty, staff and students of VSU have been awarded EXPERTS and AREAS scholarships for degree and non-degree trainings in Europe. Dr. V.B. Asio is the local coordinator of both Erasmus Mundus program.

Short-Term Exchange Program at Tokyo University of Agriculture and Technology (STEP-TUAT)

STEP (Short-term Exchange Program) offers a unique opportunity for international students to experience one-year study program in Tokyo University of Agriculture and Technology (under the exchange agreement of TUAT and its sister universities).

JASSO (Japan Student Services Organization) supports the students who intend to participate in



Ms. Ea Kristine B. Tulin (5th from right, first row, standing) and Mr. June Carlo Jualo (5th from right, 2nd row, standing) posed, together with the other exchange students and faculty of the Tokyo University of Agriculture and Technology during their stay as STEP-TUAT scholars.

Undergraduate students who availed of the Short-term Exchange Program at Tokyo University of Agriculture and Technology (STEP-TUAT) in 2014.

NAME	MOBILITY	ACADEMIC FIELD	DURATION (MONTHS)	HOST UNIVERSITY	ERASMUS MUNDUS PROGRAMME
1. Ea Kristine B. Tulin	Student Exchange	Chemistry	12	Tokyo University of Agriculture and Technology	STEP-TUAT
2. June Carlo B. Jualo	Student Exchange	Chemistry	12	Tokyo University of Agriculture and Technology	STEP-TUAT

this program by offering JASSO Scholarships.

By hosting STEP, the iCenter of Tokyo University of Agriculture and Technology is assisting prospective international applicants from application preparation to arrival in Japan.

About 20 international students from Europe, North America, South America, Africa and Asian countries are participating in this program. Successful applicants are expected to experience research activities in laboratories, Japanese language and cultural studies, one's major related course works and general studies in Science and Technology.

The STEP program provides opportunities for international students to pursue research activities on latest industries and technologies in Japan and expects them to contribute in the development works through collaborative research activities. The program also aims to promote the globalization of TUAT by fostering the relationship between Japanese and international students which gives the better understanding opportunity of Japan to the global community.

Memorandum of Understanding between Visayas State University and Mendel University in Brno, Czech Republic

Recognizing the reciprocity to be gained and the value of scientific and educational collaboration between Mendel University in Brno, Czech Republic, and the Visayas State University, Philippines, the two institutions agreed to enter into a Memorandum of Understanding for a duration of five years to facilitate cooperative linkage agreements towards the exchange of information and shared knowledge, students and scholars/staff exchange, collaborative research and any activities that may be deemed to be of mutual benefit to both institutions and the communities they serve.

The MOU signing was done on October 20, 2014 at VSU during the Erasmus Mundus Day celebration. The *Honorable Czech Ambassador, Jaroslav Olsa* and the *Honorable European Union Ambassador to the Philippines, Guy Ledoux*, graced the affair.

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