



# ANNUAL REPORT

## 2012

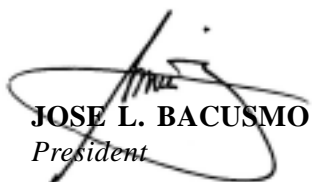


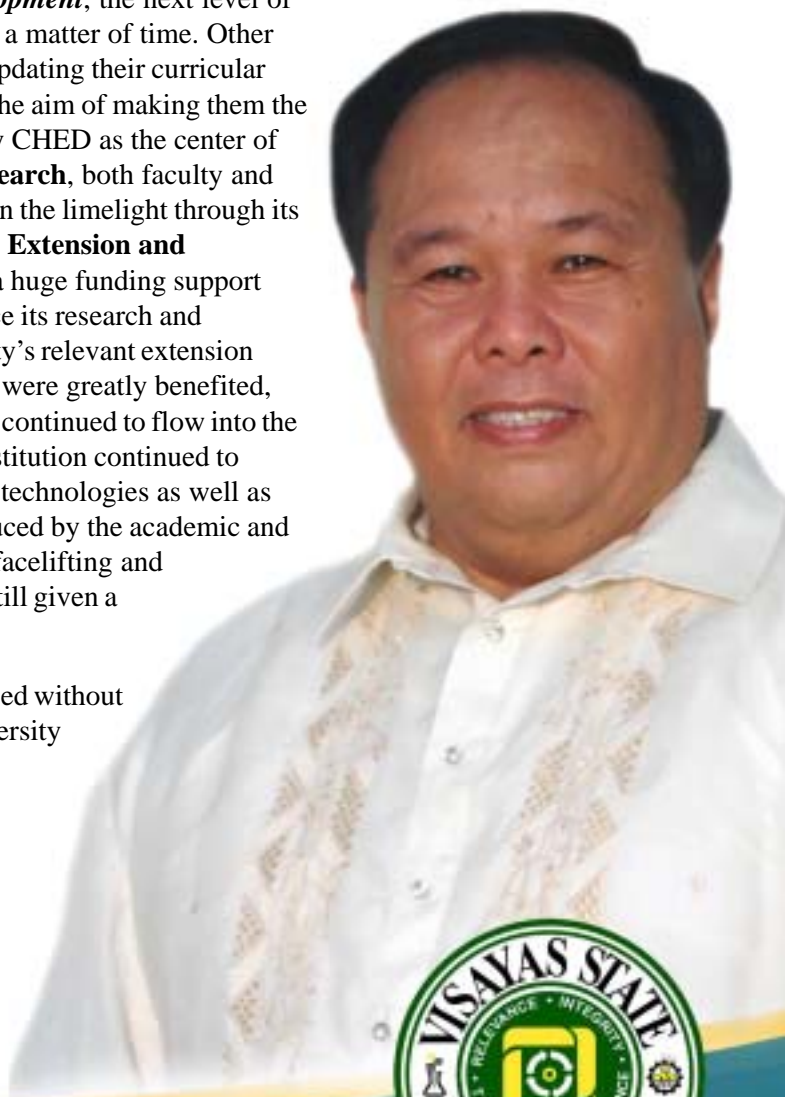
# Foreword

Building a culture of excellence for a higher education institution, like the Visayas State University (VSU) system, is a tall order on the part of the Governance and Management leadership. However, with the mandated core values in mind that serve as guide for promoting excellence in instruction, research, extension, and production functions of the university, the aforesaid tall order placed upon the shoulder of the VSU governing body becomes a very easy stride.

Indeed, the calendar year 2012 was another fruitful year of the VSU System in response to that tall order. In **Instruction**, the Bachelor of Science in Agriculture (BSA) Program was awarded **Level IV Status** by the Accrediting Agency for Chartered Colleges and Universities in the Philippines (AACCUP), Inc. It is the first ever highest accreditation level accorded to a BS in Agriculture program throughout the country. Thus, sons and daughters of the rural poor who come to the university are assured of quality tertiary education services in any major field in agriculture. On the other hand, the Department of Development Communication through its BS in Development Communication program was identified by the Commission on Higher Education (CHED) as a **Center of Development**, the next level of which is that of becoming a Center of Excellence in a matter of time. Other academic departments are regularly reviewing and updating their curricular offerings as well as augmenting their facilities with the aim of making them the center of development enroute to being identified by CHED as the center of excellence which is not remote to achieve it. In **Research**, both faculty and student categories, the VSU system continued to be in the limelight through its national and international awards or recognitions. In **Extension and Community Involvement**, the university obtained a huge funding support from national and international donors to help finance its research and community outreach activities. Through the university's relevant extension projects in which a greater number of the rural poor were greatly benefited, national support and international funding assistance continued to flow into the treasury of the school system. In **Production**, the institution continued to showcase its farm products and patented completed technologies as well as the books, teaching manuals, and study guides produced by the academic and research staff. Lest to forget, however, the campus facelifting and infrastructure development activities/projects were still given a priority by the school administration.

Certainly, the aforementioned could not be materialized without the unselfish and united effort manifested by all university constituents.

  
**JOSE L. BACUSMO**  
President



# HIGHLIGHTS

- The **Visayas State University (VSU)** received a *Plaque of Recognition* from the *Accrediting Agency of Chartered Colleges and Universities in the Philippines, Inc. (AACCUP)* for being the institution that pioneered Institutional Accreditation and was awarded Level II Status during the 25<sup>th</sup> Annual National Conference and Silver Anniversary of AACCUP held at the Fiesta Pavilion of the Manila Hotel on February 20-22, 2012.
- VSU's **Department of Development Communication (DDC)** was identified by the Commission on Higher Education (CHED) as a *Center of Development (COD) in Development Communication* effective October 22, 2012 to May 31, 2014 per CMO 47 s. of 2012. The award entitled the DDC to avail of financial assistance on a project proposal basis geared towards the improvement of the BSDC program, particularly the cutting edge technology in development communication.
- The **Bachelor of Science in Agriculture (BSA) program** of VSU qualified for *Level IV Status* based on the evaluation conducted by the Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACCUP), Inc., the first agriculture program in the country to gain such status which is comparable to international standards.
- VSU, in partnership with the Technical Skills and Development Authority (TESDA) in the province of Leyte, launched on July 20, 2012 the **Skills Training Program** with the following TESDA registered regular training programs: *Small Metal Arc Welding (SMAW), Electrical Installation and Maintenance, Finishing Course for Call Center Agent, and Medical Transcription.*
- The **Visayas State University** conducted two seminar-workshops in response to Executive Order No. 80, series of 2012, directing all government employees to adopt the *Performance-Based Incentive System*



(Left) Dr. Oscar B. Posas (2<sup>nd</sup> from left), VP for Instruction, receiving Plaque of Recognition from AACCUP for being the institution that pioneered Institutional Accreditation and awarded Level II status; Dr. Lualhati M. Noriel (3<sup>rd</sup> from left) receiving the Crystal Service Award in behalf of Dr. Manuel K. Palomar; and Dr. Justiniano L. Seroy (4<sup>th</sup> from left) another Crystal Service Awardee for serving as Accreditor for more than 18 years. (Right) Dr. Victor B. Asio, Dean of the College of Agriculture, presenting the BS Agriculture program to the AACCUP accreditors during the Level IV Accreditation of VSU Program on September 10-14, 2012.

(*PBIS*): Cascading of Agency Performance Targets and Crafting of Table of Major Final Outputs and Success Indicators.

- The **VSU Strategic Performance Management System (SPMS)** was approved by the **Civil Service Commission of Region 8 (CSC-8)** for initial implementation with a notation to provide a linkage of VSU SPMS to the VSU Strategic Human Resource Plan (SHRP).
- The **Visayas Consortium for Agriculture and Resources Program (ViCARP)** based at the Visayas State University was one of the three (3) *finalists for the Ugnay Award* organized by the Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD). The award was anchored on the consortiums' capability to identify and implement policies, strategies and activities following the principles of integration, complementation, resource sharing and linkages.
- The **National Coconut Research Center-Visayas (NCRC-V)** based at VSU was hailed as the *Top Seller* in the processed food sector during the BAHANDI 2012 Regional Trade Fair held on November 7-12, 2012 at the Megatrade Hall 1B, Mandaluyong City, Metro Manila organized by DTI, RuMEPP and IFAD.
- The **Institute of Human Kinetics (IHK)** of VSU was identified by the Department of Education (DepEd) and the Commission on Higher Education (CHED) as one of the *Centers of Trainings (COT)* to act as a service provider for *DepEd Certificate* and *In-Service Programs/Trainings in Music, Art, Physical Education and Health*.
- **VSU Isabel** and **VSU Tolosa** campuses passed the preliminary survey by the Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACCUP), Inc. and were awarded "*Candidate Status*" to all programs submitted for accreditation. VSU Isabel



The 2012 UPLB Alumni Awardees (L-R): Dr. Ruben M. Gapasin (College of Agriculture Distinguished Alumnus Award for Plant Disease Management), Dr. Roberta D. Lauzon (College of Agriculture Distinguished Alumna Award for Food Science and Technology), Dr. Jose L. Bacusmo (Outstanding UPLB Alumnus Award for S&T University Management and College of Agriculture Distinguished Alumnus Award for Institutional Organization and Development), and Dr. Antonio L. Acedo (College of Agriculture Distinguished Alumnus Award for Postharvest Horticulture)



*The members of the Region Eight Administrators League (REAL), Inc. from the VSU.*

submitted five (5) programs for accreditation: Elementary Teacher Education, Secondary Teacher Education, Agribusiness, Information Technology, and Industrial Engineering, while VSU Tolosa submitted three (3) programs: Elementary Teacher Education, Secondary Teacher Education and Fisheries.

- The new **VSU Records Office and Archives Center** was blessed and opened on July 20, 2012. The Center serves as a hub where guests can see in a glance how the University started and what it is today as shown in the pictures hanged on the walls and by going through the pages of some documents inside the glass boxes.
- **Dr. Jose L. Bacusmo**, VSU President and 1981 Master of Science (MS) graduate of the University of the Philippines at Los Baños (UPLB), was a recipient of the **2012 Outstanding UPLB Alumnus for Science and Technology University Management Award** by the University of the Philippines Los Baños Alumni Association (UPLBAA) and the **College of Agriculture (CA) Distinguished Alumnus Award for**

**Institutional Organization and Development** during the 94th UPLB Loyalty Day and Alumni Homecoming Fellowship and Awards Night on October 9, 2012 at the Edwin B. Copeland Gymnasium, UP Los Baños, Laguna. Other VSU professors who were recipients of the **College of Agriculture Distinguished Alumni Award** were: **Dr. Antonio L. Acedo, Jr.** (MS '79, PhD '90) for **Postharvest Horticulture**; **Dr. Ruben M. Gapasin** (MS '79, PhD '85) for **Plant Disease Management**; and **Dr. Roberta D. Lauzon** (MS '85, PhD '92) for **Food Science and Technology**.

- Six (6) VSU key officials, namely: **Dr. Jose L. Bacusmo B** (President), **Dr. Edgardo E. Tulin** (VP for Planning & Resource Generation), **Dr. Othello B. Capuno** (VP for Research & Extension), **Dr. Lourdes B. Cano** (Director for Administration & Human Resource Development), **Ms. Roberta C. Lemos** (Director for finance), and **Prof. Alan B. Loreto** (Executive Officer), take their oath as members of the **Region Eight Administrators League (REAL), Inc.** on February 6, 2012.

- **Dr. Roberto C. Guarte**, Vice President for Administration and Finance and Dean of the College of Engineering, was appointed Member of the **Engineering Accreditation Commission (EAC) of the Philippine Technological Council (PTC)**, the only organization recognized and accredited by the Commission on Higher Education (CHED) and the Washington Accord Body, to evaluate and accredit the BS in Engineering degree programs offered by all HEIs in the Philippines. He was also reappointed as Member of the **Technical Committee for Agricultural Engineering (TCAE)** by CHED.
- The awardees during the 88<sup>th</sup> VSU Anniversary Convocation on August 11, 2012 were, as follows:
  - ✓ **Dr. John Herbohn** of the University of Queensland, St. Lucia, Brisbane Queensland, Australia – *Sandigan Award* - Individual Category.
  - ✓ **Faculty of Forest Sciences and Forest Ecology** of the Georg-August-Universität, Göttingen, Germany – *Sandigan Award* - Institutional Category.
  - ✓ VSU faculty, staff, alumnus and others who were awarded for their remarkable performance: **Dr. Anabella B. Tulin** – *Exemplary Academician Award*; **Ms. Ma. Helen P. Seco** – *Model Administrative Assistant Award*; **Mr. Bernardo H. Tocmo** – *Outstanding Alumnus Award*; and **Mrs. Anita Toledo-Sabijon** – *Mother of the Year Award*.
- ✓ *Mt. Pangasugan Awards* were given to retirees with leadership positions prior to retirement: **Dr. Paciencia P. Milan**, **Mrs. Rebecca B. Napiere**, **Dr. Sixto P. Sandoval**, and **Dr. Justiniano L. Seroy**.
- ✓ *Service Awards* were given to **Prof. Lolita L. Aure**, **Prof. Lorenza P. de Pedro**, **Engr. Roque C. de Pedro, Jr.**, **Dr. Zenaida C. Dumaguing**, **Mr. Rolando F. Bacalso**, **Mr. Alberto P. Bagarinao**, **Mr. Siegfredo M. Bande**, **Mr. Benedicto S. Godoy** (posthumous), **Mr. Venerando B. Jose**, **Mr. Dominador A. Lauzon, Jr.**, **Ms. Remedios L. Capacio**, **Mr. Eduardo T. Leros**, **Mr. Desiderio A. Lomongo**, **Mr. Jovito P. Magnawa**, **Mr. Abdon G. Malnegro**, **Mr. Dionesio P. Managbanag**, **Mr. Benifredo B. Pelicano**, **Mr. Orlando G. Piamonte**, **Mr. Marcial A. Romo**, **Mr. Ramon V. Tuyan**, **Mr. Carlos B. Valenzona**, and **Mr. Francisco L. Camoying** (VSU Tolosa).



# OFFICE OF THE PRESIDENT

The Office of the President steered the overall programs and utilization of resources of the University System to optimize its capacity and capability for excellence in its programs and services.

The University President, being the Head of the VSU System, was primarily responsible in sourcing funds for the different programs of the institution. During the year, he attended several meetings/conferences. Notable among these was the 19<sup>th</sup> Asian Association of Agricultural Colleges and Universities (AAACU) Biennial Convention on October 10-13, 2012 at the Seoul National University of the Republic of Korea, with the theme “Shaping the Agriculture University for 2020 and Beyond: Challenges, Prospects, Directions”.

1. The **Internal Audit Service Office (IASO)** reviewed and verified the

correctness of the entries reflected in the monthly reports submitted by 49 income generating projects (IGP) under special trust fund (STF) and revolving fund (RF) of the university. Likewise, the office conducted an interim audit review of the University’s Inventory of Equipment based on the individual folders of the employees in June 2012 in coordination with the staff in charge of the Property Office; opened and verified the sealed canvass of all purchase requests (PR) regardless of funding source.

2. The **Alumni and Community Relations Office (ACRO)** provided continuous assistance to the VSU Alumni Association, Inc. (VSUAAI) in facilitating the Annual General Alumni Homecoming activities in cooperation with the host batches and on-campus alumni communicators; released two (2) issues of the alumni publication, *The*



*Dr. Jose L. Bacusmo (2<sup>nd</sup> from right - seated) posing together with the other members of the AAACU Board and participants during the 19<sup>th</sup> AAACU Biennial Convention in Seoul National University of the Republic of Korea.*

*Alumni Notes*; facilitated the VSUAAI-sponsored Road Show in Sogod, Southern Leyte to encourage more alumni participation in the annual alumni homecoming; conducted regular meetings with the Alumni Communicators; provided assistance to visiting alumni during the anniversary celebration of the university and throughout the year; sponsored and conducted the first Anniversary Fun Run as part of the anniversary celebration activities of the university and the 10<sup>th</sup> anniversary celebration of ACRO as an office; sponsored the *Kasaulogan* Art Exhibit, an art exhibit of local visual artists, for the benefit of the VSUAAI's "Tabang Mo, Kaugmaon Ko" Scholarship Program; solicited \$1,000.00 US dollars from Engr. Glicerio Mirambel, Jr. as initial scholarship fund; conducted Community Outreach activities to neighboring barangays through the

assistance of the different university academic departments/centers/offices/units such as Training-Workshop on Basketball Officiating, Table Setting and Etiquette, Supplemental Feeding to malnourished children, and Computer Literacy Training for barangay officials, etc.; continued to assist the VSU Admissions Office in the information campaign about the curricular programs of the university and administering the Entrance Scholarship Examination to different high schools in Leyte; facilitated the implementation of the ViSCA Credit Cooperative loan window for cattle production in Brgy. Bunga, Baybay City with 8 loan takers; facilitated the requests for campus tour of students, farmers, organizations, LGU from all over the country; and provided tour guide services to university training participants and other visitors of the university.



# OFFICE OF THE VICE PRESIDENT FOR INSTRUCTION

## NEW CURRICULAR OFFERING

### Undergraduate Program

- Bachelor of Science in Meteorology (BSMet) was the new curricular offering of the VSU Main Campus, in partnership with the Department of Science and Technology (DOST), AGHAM Party List and in consortium with the Central Luzon State University (CLSU), the Bicol State University (BSU), and the Don Mariano Marcos State University (DMMSU).

### CURRICULAR DEVELOPMENT

#### *Undergraduate Program*

- Revised the Bachelor of Science in Fisheries program of the VSU Tolosa, in compliance with CHED Memorandum Order (CMO) 43, s. 2006 of the Commission on Higher Education.



2012 Graduation Day

- Revised the BS Chemistry curriculum to conform to most recent Policies and Standards for BS Chemistry as stipulated in CMO No. 18 s. 2007.
- Implemented the revised BS Biology curriculum in compliance with CMO 24, s. 2005.

## ENROLMENT

During the 1<sup>st</sup> semester of school year 2012-2013, the VSU System had a total enrolment of 9,821, broken down as follows:

- The VSU Main Campus had a total enrolment of 6,021 which comprised 231 graduate students (23 PhD and 208 MS/MAGDev/Med/MMgt), and 5,790 undergraduate students. The VSU Laboratory High School (VSULHS) had a total enrolment of 442 students, which consisted of 171 boys and 271 girls (Table 1).
- The external campuses had the following enrolment: VSU Alangalang - 852 (598 undergraduate and 254 non-degree); VSU Isabel - 1,052 (826 undergraduate and 226 non-degree programs), VSU Tolosa - 1,285, and VSU Villaba - 611.

## GRADUATES

The VSU Main Campus presented **863** graduates during the 59<sup>th</sup> Collegiate Commencement Exercises, which comprised **43** graduates in the graduate programs (4PhD, 22 MS, 2 MAGDev, 6 M. Ed., 2 MLAM, and 7 DLAM); **757** in the undergraduate programs (267 BHRTM, 44 BEEd, 48 BAS, 36 BSA, 50 BSFT, 78 BSAB, 49 BSEd, 15 DVM, 20 BSDC, 18 BS Chem, 48 BSN, 9 BS Bio, 9 BS Biotech, 28 BSCS, 4 BSS, 4 BS Econ, 11 BSDE, 8 BSF,

4 BSAE, 5 BSGE, and 2 BS Ag Chem); **63** in the special programs (20 CAS and 43 DAPT) (Table 2).

**Sixty (60)** graduates from the VSU Main Campus obtained Latin honors: **6 Magna Cum Laude** and **54 Cum Laude** and **6 With Honors** from the certificate program while **15** from the external campuses: **8 Cum Laude** and **7 With Honors** (Table 3).

Of the 114 high school graduates who received their diplomas during the VSULHS 82<sup>nd</sup> Commencement Exercises, **51** earned the following distinction: **1 Valedictorian**, **1 Salutatorian**, **17 With High Honors** and **32 With Honors**.

The VSU external campuses had the following number of graduates: 106 from VSU Alangalang (44 BEEd, 7 BSEd, 9 BSEM, 4 BAT, 42 DAT); 140 from VSU Isabel (4 BSIE, 19 BSIT, 48 BEEd, 9 BSEd, 14 BSAB, 32 DACT, and 14 DTTE); 57 from VSU Tolosa (2 BSFi, 25 BEEd, 4 BSEd, and 26 BS Crim); and 60 from VSU Villaba (10 BSA, 41 BEEd, 9 BSEd).

## PERFORMANCE OF STUDENTS

### Professional Licensure Examinations

Two (2) VSU graduates copped the top ten ranks in the different professional licensure examinations in 2012 (Table 4):

- **Jackson Abelardo Bellen** copped the **3<sup>rd</sup> place** in the 2012 Agricultural Engineering Licensure Examination held on August 21-22, 2012, while **Jefferson T. Cello** got the **10<sup>th</sup> place** in the 2012 Licensure Examination for Geodetic Engineers held on September 4-5, 2012.



**Table 1.** VSU Main Campus student enrolment by degree, First Semester SY 2012-2013 and SY 2011-2012.

COURSE	1 <sup>st</sup> Sem 2012-2013	1 <sup>st</sup> Sem 2011-2012	Percent Increase/ Decrease
<b>GRADUATE</b>			
Doctor of Philosophy (Ph. D.)	23	16	43.75
Master of Science (MS)	102	123	(17.07)
Master of Agric. Dev't. (MAGDev)*	21	25	(16.0)
Master of Education (MEd)	35	39	10.26
Master of Management (MMgt)	34	23	47.82
Master of Land Admin & Mgt ( MLAM)	8	4	50.0
Diploma in Land Admin & Mgt. (DLAM)	8	14	(42.86)
<b>Sub-total</b>	<b>231</b>	<b>244</b>	<b>(5.33%)</b>
<b>UNDERGRADUATE</b>			
Doctor of Veterinary Medicine (DVM)	281	216	30.09
BS in Agricultural Engineering (BSAE)	114	77	48.05
BS in Geodetic & Geomatics Engineering (BSGGE)	88	78	12.82
BS in Civil Engineering (BSCE)	251	207	21.26
BS in Mechanical Engineering (BSME)	119	36	230.56
BS in Computer Science (BSCS)	299	325	(8.0)
Bachelor of Animal Science (BAS)	408	396	3.03
BS in Agriculture (BSA)	382	286	33.57
BS in Development Communication (BSDC)	156	164	(4.88)
BS in Food Technology (BSFT)	203	215	(5.58)
BS in Agribusiness (BSAB)	711	646	10.06
BS in Economics (BSEcon)	65	30	(116.67)
BS in Hotel, Restaurant & Tourism Mgt. (BSHRTM)	1,021	1,294	(21.10)
BS in Home Economics (BSHE)	0	0	0
BS in Agricultural Chemistry (BSAC)	12	13	(7.69)
BS in Chemistry (BSChem)	109	98	11.22
BS in Statistics (BSS)	58	50	16.0
BS in Biology (BSBio)	108	79	36.71
BS in Biotechnology (BS Biotech)	40	43	(6.98)
BS in Development Education (BSDE)	132	97	36.08
Bachelor of Elementary Education (BEEEd)	459	417	10.07
Bachelor of Secondary Education (BSEd)	480	387	24.03
BS in Forestry (BSF)	106	88	20.45
BS Environmental Management (BSEM)	56	46	21.74
BS in Nursing (BSN)	129	174	(25.86)
BS Meteorology (BSMet)	3	-	-
<b>Sub-total</b>	<b>5,790</b>	<b>5,462</b>	<b>6.0%</b>
<b>SECONDARY</b>	<b>442</b>	<b>447</b>	<b>(1.12%)</b>
<b>GRAND TOTAL</b>	<b>6,463</b>	<b>6,153</b>	<b>5.04%</b>



**Table 2.** Number of graduates from the VSU-Main Campus, SY 2010-2011 & SY 2011-2012.

PROGRAMS	2011-2012	2010-2011
<b>Graduate Degree</b>		
Doctor of Philosophy (Ph.D.)	4	6
Master of Science (M.S.)	22	11
Master of Agric. Dev't. (MAGDev)	2	5
Master of Education (M. Ed.)	6	4
Master of Management (M. Mgt.)	0	0
Master of Land Admin. & Mgt. (MLAM)	2	-
Diploma in Land Admin. & Mgt. (DLAM)	7	0
<b>Sub-total</b>	<b>43</b>	<b>33</b>
<b>Undergraduate Degree</b>		
Doctor of Veterinary Medicine (DVM)	15	15
Bachelor of Elementary Education (BEEd)	44	69
Bachelor of Secondary Education (BSEd)	49	29
BS in Development Education (BSDE)	11	6
Bachelor of Animal Science (BAS)	48	43
BS in Agriculture (BSA)	36	34
BS in Development Communication (BSDC)	20	20
BS in Food Technology (BSFT)	50	45
BS in Agribusiness (BSAB)	78	26
BS in Economics (BS Econ)	4	8
BS in Hotel, Restaurant, and Tourism Management (BSHRTM)	267	86
BS in Home Economics (BSHE)	0	2
BS in Forestry (BSF)	8	8
BS in Ag. Engineering (BSAE)	4	0
BS in Geodetic Engineering (BSGE)	5	13
BS in Computer Science (BSCS)	28	25
BS in Biology (BSBio)	9	12
BS in Biotechnology (BSBiotech)	9	5
BS in Statistics (BSS)	4	11
BS in Chemistry (BS Chem)	18	19
BS in Ag. Chemistry (BSAgChem)	2	2
BS in Nursing	48	80
<b>Sub-total</b>	<b>757</b>	
<b>Special Programs</b>		
Certificate of Health Care Services (CHCS)	0	99
Certificate in Geodetic Technology (CGT)	0	1
Certificate of Agricultural Science (CAS)	20	-
Diploma in Animal Production Technology (DAPT)	43	32
<b>Sub-total</b>	<b>63</b>	<b>33</b>
<b>TOTAL</b>	<b>863</b>	<b>623</b>



**Table 3.** Number of graduates with honors for SY 2012-2013.

DEGREE	With Honors/ Academic Excellence	Cum Laude	Magna Cum Laude	Suma Cum Laude	TOTAL
MAIN CAMPUS					
Doctor of Veterinary Medicine (DVM)	-	-	-	-	-
Bachelor of Animal Science (BAS)	-	-	-	-	-
BS Agriculture (BSA)	-	6	1	-	7
BS Agribusiness (BSAB)	-	3	1	-	4
BS Agric Chemistry (BSAC)	-	-	-	-	-
BS Chemistry (BSC)	-	4	-	-	4
BS Agric. Development (BSAgDev)	-	-	-	-	-
BS Development Education (BSDE)	-	-	-	-	-
BS Agricultural Engineering (BSAE)	-	1	-	-	1
Bachelor in Elementary Education (BEEEd)	-	8	1	-	9
Bachelor in Secondary Education (BSEd)	-	5	-	-	5
BS Biology (BSBio)	-	2	-	-	2
BS Computer Science (BSCS)	-	2	-	-	2
BS Development Communication (BSDC)	-	4	-	-	4
BS Forestry (BSF)	-	-	-	-	-
BS Food Technology (BSFT)	-	7	2	-	9
BS Geodetic Engineering (BSGE)	-	-	-	-	-
BS Home Economics (BSHE)	-	-	-	-	-
BS Statistics (BSS)	-	-	1	-	1
BS Hotel, Restaurant & Tourism Mgt. (BSHRTM)	-	9	-	-	9
BS Economics (BSEcon)	-	-	-	-	-
BS Biotechnology (BSBiotech)	-	2	-	-	2
BS Nursing (BSN)	-	1	-	-	1
BS Civil Engineering (BSCE)	-	-	-	-	-
BS Environmental Management (BSEM)	-	-	-	-	-
BS Mechanical Engineering (BSME)	-	-	-	-	-
Certificate of Ag. Science	6	-	-	-	6
<b>TOTAL</b>	<b>6</b>	<b>54</b>	<b>6</b>	<b>-</b>	<b>66</b>
EXTERNAL CAMPUSES					
Alangalang Campus	3	8	-	-	11
Isabel Campus	-	-	-	-	-
Tolosa Campus	-	-	-	-	-
Villaba Campus	4	-	-	-	4
<b>TOTAL</b>	<b>7</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>15</b>



**Table 4.** Passing rate and number of topnotchers in professional licensure examinations.

Licensure Examination	Date of Examination	Top 10 Rank	Institutional Passing Percentage	National Passing Percentage
Agricultural Engineers	August 21-22, 2012	3 <sup>rd</sup> place	80.00	47.73
Geodetic Engineers	September 4-5, 2012,	10 <sup>th</sup> place	80.00	35.00
Agriculturists	July 29, 2012		47.92	37.92
Chemists	September 18-19, 2012		41.66	45.48
Foresters	July 15-16, 2012,		62.50	37.73
Veterinarians	August 26-28, 2012		36.36	37.50
Nurses	June 30-July 1, 2012		53.33	45.69
	December 16-17, 2012		84.31	34.45
Teachers				
Elementary	March 11, 2012		53.23	42.46
Secondary	March 11, 2012		36.67	24.85
Elementary	September 30, 2012		66.67	49.29
Secondary	September 30, 2012		73.68	43.50

## Honors and Awards

### Main Campus

During the 59<sup>th</sup> Collegiate Commencement Exercises of the VSU Main Campus on April 11, 2012, 60 graduated with Latin honors (**6 Magna Cum Laude** and **54 Cum Laude**) and six (6) graduated **With Honors** in the certificate course. Special awards and medals, including the Civil Service Eligibility given by the Civil Service Commission, were granted to the following honor graduates:

- **Venus P. Gloria**, BS in Statistics (BSS), **Magna Cum Laude** – *VSU Presidential Award of Academic Excellence with a cash award, Senator Juan Ponce Enrile Award of Excellence, Loren B. Legarda Leadership Award, and Senator Aquilino Pimentel III Academic Excellence Award;*
- **Richel C. Po**, BS in Agribusiness (BSAB), **Magna Cum Laude** – *Senator Aquilino Pimentel III Academic Excellence Award;*
- **Ann Maridel B. Candelario**, BS in Agriculture major in Plant Breeding (BSA-Plant Breeding), **Magna Cum Laude** –

*Senator Manuel B. Villar, Jr. Award of Excellence and Gov. Marañon Award of Excellence with a cash award;*

- **Norma Cecille E. Bagarinao**, BS in Food Technology (BSFT), **Magna Cum Laude** – *Senator Manuel B. Villar, Jr. Award of Excellence;*
- **Vernabelle L. Balmori**, BSFT, **Magna Cum Laude** – *Congressman Jose Carlos L. Cari Award of Excellence and DOST Award of Excellence;*
- **Louisa Marie O. Bongcales**, Bachelor of Elementary Education (BEEd), **Magna Cum Laude** – *Congressman Jose Carlos L. Cari Award of Excellence;*
- **Louji Don Erick C. Noya**, BS in Hotel, Restaurant & Tourism Management (BSHRTM), **Cum Laude** – *Congressman Jose Carlos L. Cari Award of Excellence;*
- **Yhena P. Lazona**, BS in Chemistry (BS Chem); **Rosenda I. Apila**, BSHRTM; and **Jannie Fleur V. Oraño**, BS in Computer Science (BSCS); all **cum laude** – *Mayor Carmen L. Cari Award of Excellence;*



- **Jumar O. Tagolgol**, Bachelor of Secondary Education major in Mathematics (BSEd-Math), **Cum Laude** – *Senator Aquilino Pimentel III Academic Excellence Award*;
- **Daniel D. Sumabat**, BSHRTM; **Chera Vill S. Cutaran**, BEEd; **Carmela A. Aupe**, BSHRTM; **Rosemarie Teresa N. Semilla**, BSAB; and **Cyreen S. Gallo**, BSA-Plant Breeding; all **cum laude** – *Senator Jinggoy Ejercito Estrada Award of Excellence*;
- **Cyreen S. Gallo**, BSA-Plant Breeding, **Cum Laude** – *Senator Jinggoy Ejercito Estrada Award of Excellence* and *Gov. Marañon Award of Excellence* with a cash award;
- **Ruel Ryan A. Rosal**, BS Chem; **Christel Vianessa M. Lao**, BSFT; and **Deil Lorraine C. Galenzoga**, BSFT; all **cum laude** – *DOST Award of Excellence*;
- **Aprilyn R. Dañas**, BS Chem – *DOST Award of Excellence* and *Senator Vicente C. Sotto III Award of Excellence*;
- **Dariel B. Tanaid**, BSCS – *DOST Award of Excellence* and *Senator Gregorio B. Honasan Award of Excellence*;
- **Mark Ian C. Calayugan**, BSA-Plant Breeding; **Meryjec Rica**, BSHRTM; **Precious C. Domingo**, BEEd; **Maria Fe P. Sajor**, BSHRTM; **Jungie Q. Amacanin**, BS in Development Communication major in Community Broadcasting (BSDC-Comm Broad); **Gladys G. Cuevas**, BSAB; and **Ana Shiela E. Evangelio**, BSFT; all **cum laude** – *Senator Vicente C. Sotto III Award of Excellence*;
- **April Gayle N. Valencia**, BSHRTM, **Cum Laude** – *Gov. Carlos Jericho L. Petilla Award for Most Outstanding Student* and a cash award; *Senator Loren B. Legarda Leadership Award of Excellence*; and *Senator Aquilino Pimentel III Leadership Award of Excellence*;
- **Mariero H. Gawat**, BSFT; **Cum Laude** – *Senator Loren B. Legarda Academic Award of Excellence* and *DOST Award of Excellence*;
- **Marivic R. Basubas**, BEEd; **Ivy Lyn D. Purcon**, BEEd; and **Christel Vianessa M. Lao**, BSFT; all **cum laude** – *Senator Francis G. Escudero Award of Excellence*;
- **Deil Lorraine C. Galenzoga**, BSFT and **Ethyl L. Sampan**, BSEd major in Bio-Science; all **cum laude** – *Senator Gregorio B. Honasan Award of Excellence*;
- **Jesame M. Auza**, BSDC major in Development Journalism (BSDC-Dev Jour); **Maricho C. Comoso**, BEEd; **Honey Bee P. Villaro**, BS in Biology major in Ecology (BS Bio-Ecology); **Liezel V. Oracion**, BEEd; **Michelle Ann M. Junco**, BSEd Bio Sci; and **Desiree Gamela L. Maula**, BSHRTM; all **cum laude** – *Senator Ferdinand R. Marcos, Jr. Award of Excellence*;
- **Meriam Mae C. Divino**, BSA major in Horticulture, **Cum Laude** – *Senator Ferdinand R. Marcos, Jr. Award of Excellence* and *Gov. Alfred Marañon Award of Excellence* with a cash award;
- **Fatima R. Leya**, BSDC Comm Broad and **Karen T. Bullecer**, BSEd MAPE; both **cum laude** – *Senator Antonio F. Trillanes IV Award of Excellence*;
- **Nic Oswald B. Borines**, BSA Plant Breeding; **Themna B. Cabal**, BS Biotech; **Reymund L. Ceno**, BEEd; **Gilda Marie Q. Anagap**, BSHRTM; **Daisy Joyce C. Telen**, BSBio-Marine Bio; **Donah Jane C. Lusanta**, BSFT; **Cris Q. Cortaga**, BSA Plant Breeding; **Jane P. Bertos**, BEEd; **Gelyn D. Valida**, BS Biotech; **Renalyn S. Adlawon**, BSA Horti; **Iris Angeli C. David**, BSFT; **Charlene B. Roa**, BSDC Comm Broad; **Rizajane H. Lamo**, BSAB; **Glenis Ann A. Narte**, BS Chem; **Margery Khaye G. Bantolinao**, BS in Nursing



(BSN); **Jean Katrine L. Boyles**, BS in Agricultural Engineering (BSAE); **Wenie Jean M. Labides**, BSFT; and **Sheena A. Silao**, BSEd Math – all **cum laude**.

- **Rochelle B. Cagadas**, **Vanessa Jane M. Acabal**, **Jayfryl D. Tangog**, **Pinklet Athena M. Cuban**, **Mary Jane L. Yare**, and **Gerry May C. Añonuevo**, Certificate of Agriculture Science – all **With Honors**.
- Four graduates also received **Certificates of Recognition** and cash awards from the **Phi Delta Honor Society of Science** for winning the search for the best thesis in the different sciences: **Niño Daryll M. Bicoy** (*Social Sciences Category*), **Lebeth C. Manguilimotan** (*Pure Life Sciences Category*), **Francis A. Roda** (*Physical Sciences Category*), and **Kurt Nathaniel A. Galvez** (*Applied Life Sciences Category*).

## Students' Awards/ Achievements

- **Miss Ea Kristine Clarisse B. Tulin**, a freshman BS Chemistry student and Corps Sponsor of the VSU ROTC Unit for SY 2011-2012, was the **1<sup>st</sup> Runner Up** in the *Search for Miss Philippine Army (PA) Reserve Officer Training Corps (ROTC) Centennial* at the Philippine Army Officers Clubhouse in Fort Andres Bonifacio, Metro Manila on March 9, 2012.
- **Team Loyalty**, one of the 11 teams of the Civic Welfare Training Service (CWTS) of VSU won the **Most Outstanding Community Project Award of 2012** with the project title “Physico-Chemical Analysis of Water Potability at Barangay Biasong, Baybay City, Leyte”.
- The **VSU Basketball Women Varsity Team** was proclaimed **overall champion** in the *Ormoc City Sports Organization 1<sup>st</sup> Conference-Season VI* which was held from August to September 2012. The team

was composed of **Cristy Marie T. Namoc**, **Elvie Q. Moquiring** (*Best Center Defender*), **Cindy Mae B. Ngoho**, **Ma. Vebeth Antipala** (*Best Point Guard*), **Louise Ruby P. Laplap** (*Most Valuable Player*), **Eva D. Homillano**, **Shiela D. Sabandal**, **Shiela Marie Gonzaga**, **Darlene Diane C. Dela Cruz**, **Maricor P. Regaña**, **Pamela Adobas**, **Leny Rose Covero**, and **Rechel Posas**.

- **Catherine V. Pojas**, a Chess Varsity Team Member of VSU, won **1<sup>st</sup> place** in the *Derek Bans Open Chess Tournament* held on September 29-30, 2012 at the Robinsons Place, Tacloban City.
- The **VSU Volleyball Women Varsity Team** got the **3<sup>rd</sup> place** in the *1<sup>st</sup> Ormoc City Volleybal Club Open- Invitational Women's Championship 2012*. The team was composed of **Eula Mariz P. Torres** (*Best Blocker*), **Sheila Marie C. Loreto** (*Best Server*), **Ivone Claire D. Arrogante**, **Monrena O. Abe**, **Ana Mae T. Libres**, **Mary Grace A. Villacorte**, **Jarina Aila M. Mandras**, **Ma. Luisa D. Lagnason**, **Vinalyn T. Velasquez**, **Jenibee B. Ortega**, **Abegail T. Amarille**, and **Zarah G. Velarde**.
- The following VSU students won medals in the different events during the 28<sup>th</sup> Regional State Colleges and Universities Athletic



The VSU Basketball Women Varsity Team Members, together with their coach, Mr. Ricarido C. Nanggan, posing after receiving their championship trophy.





The VSU delegation and the medalists during the 28<sup>th</sup> Regional SCUAA Meet 2012 in Eastern Samar State University, Borongan City, Eastern Samar.

Association (SCUAA) Meet held in Eastern Samar State University (ESSU), Borongan City, Eastern Samar on October 20-26, 2012: **gold medalists** – **Narceso Deterala, Jr.** (Track Events) – 3,000-m Run, 5,000-m Run, and 10,000-m Run; **Louis Adeline Quiapo** (Swimming) – 800-m Freestyle and 100-m Backstroke; **Ian Rose Espinosa** (Swimming) – 50m Breaststroke; **Jessica Gallaron** (Field Event) – Shot Put; and **Gelli Anne Alcuino** and **Joel Estupa** (Dance Sports – Modern Standard); **silver medalist** – (Soccer Men) **John Anthony Israel**, **Ramil Ortega**, **Patrick Nayon**, **Von Cristian Sebidos**, **Darwin Lozada**, **Clint Joel Baltonado**, **Richie Cuizon**, **Erwin Lechadores**, **Joveth Cocamas**, **Michael Fernandez**, **Alemier Merced**, **Kris Benzon Notarte**, **Ramoncito Ragas**, and **Keith Tumabiene**; (Table Tennis Women) **Unica Babes Maiz**, **Mary Lilibeth Peligrino**, **Janice Lazarte**, and **Jill Sello Billy**; (Lawn Tennis Women) **Diezanne Jireh Antipaso**, **Ruth Abegail Cordero**, **Julie Bien Dagcutan**, and **Leo Claire Posas**; **Jessica Gallaron** (Field Event) – Javelin Throw; **Rene Jemmar Alcuino** (Taekwondo-

Welterweight); **Erika Kristel Sartorio** (Taekwondo-Heavy Weight); **Ian Rose Espinosa** (Swimming) – 400-m Freestyle; **Rhoda Capacao** (Swimming) 50-m Backstroke and 100-m Freestyle; **Rhoda Capacao**, **Ian Rose Espinosa**, **Paula Monzolin** and **Louis Adeline Quiapo** (Swimming) – 4x50-m Freestyle Relay; and **Anika Velos** and **Kevin Navarroza** (Dance Sports-Modern Standard); **bronze medalist** – (Volleyball Men) **Erwin Estallo**, **Melvin Flores**, **Jose Rey Gloria**, **Neil Leyson**, **Elton John Meridor**, **Gerald Palo**, **Jeandro Lemuel Petilos**, **Jayson Rabe**, **Randy Rabe**, and **Hector Bisnar**; (Badminton Women) **Christian Mae Fernandez**, **Jane Marly Gorre**, **Flordeliza Romo**, and **Wencee Tinapan**; (Lawn Tennis Men) **Nollan Centino**, **Lorrence Abuyog**, **Jams Ian Nuñez**, and **Louie Gyril Nuñez**; **Ian Rose Espinosa** (Swimming) – 200-m Individual Medley; **Louis Adeline Quiapo** (Swimming) – 100-m Butterfly Stroke and 100-m Backstroke; **Jimmy Espina** (Swimming) – 200-m Backstroke; and **Jimmy Espina**, **Jefmore Morales**, **Rolan Ricarte** and **Jayson Piamonte** (Swimming) – 4x100-m Freestyle Relay.

## STUDENT WELFARE AND DEVELOPMENT

### Scholarships and Financial Assistance

**VSU Main Campus** – **55** or **23.81%** of the graduate students during the 1<sup>st</sup> semester of SY 2012-2013 enjoyed scholarships/assistantships/fellowship/grant from DA-ATI - 6, DOST-NSC - 34, GIZ - 7, ATI-ASTHRDP - 2, CHED - 1, Project 416.10.65 - 1, and VSU Graduate Teaching Assistantship - 4.

A total of **1,518** or **26.22%** of the undergraduate students of the Main Campus during the 1<sup>st</sup> Semester of SY 2012-2013 enjoyed scholarships/grants: 303 - VSU scholarships and 569 - VSU grants-in-aid, and 646 scholarships funded by other agencies (Cong. Cari Scholarship - 303, Municipality of Baybay - 65,

*Pagkaon* - 46, Carlo Loreto Scholarship - 7, DOST-SEI - 33, LGU Javier - 25, LGU Asturias - 20, SGP-PA Scholarship - 20, City Gov't-Government of Ormoc - 16, CHED-CSSG PCD - 13, CHED-An Waray Partylist - 12, CHED Merit - 8, DIWA Partylist - 8, D.A.ACEF - 6, DOLE-OWWA OFWDSP - 6, PARRFI - 5, CHED-One-Town-One Scholar - 4, BS Meteorology Scholarship - 3, CHED-Tulong-Dunong - 2, LEADS Agri Scholarship - 2, LEYECO - 2, ViSCCO - 2, VKV-VLV Frat/Sorority Scholarship - 2, and 1 each from LGU Hilongos, LGU Camotes, BAYER, ATI-YAFP, Gov Alfred Marañon Scholarship, and PPRI). Moreover, 196 or 44.3% of high school students enjoyed VSU Scholarship: Full - 31, Partial - 138, and Honorific 27 (Table 5).

**Table 5.** Number of students (graduate and undergraduate) in the VSU Main Campus enjoying scholarships, assistantships and grants for the First Semester of SY 2012-2013.

Program	Scholarship/Grant	Number
<b>A. Graduate</b>		
1. VSU-Funded	VSU Teaching/Research Assistantship	4
2. Non-VSU Funded	GIZ	7
	DOST-NSC	34
	ATI-ASTHRDP	2
	CHED	1
	DA-ATI	6
	Proj. 416.10.65 -1	1
	<b>Total (Graduate Program)</b>	<b>55</b>
<b>B. Undergraduate</b>		
1. VSU- Funded	Entrance Full	4
	Entrance Partial	12
	Honorific	51
	College	186
	University	50
	Academic A	202
	Academic B	2



Program	Scholarship/Grant	Number
	BSAE-FAP	27
	BSF-FAP	34
	CA Financial Assistantship	96
	CAC-Chorale	9
	CAC-Dance Troupe	9
	CAC-Rondalla	6
	CAC-Visual Arts	3
	Income Grant	26
	NSTP-ROTC Grant	10
	Staff Dependent Grant	28
	SB/SK Grant	68
	Varsity Grant	42
	USSC/CSSC Officers' Grant	7
	<b>Sub-total</b>	<b>872</b>
2. Non-VSU Funded	BAYER	1
	ATI-YAFP	1
	BS Meteorology Scholarship	3
	Carlo Loreto Scholarship	37
	City Gov't/Gov't of Ormoc	16
	CHED-AN WARAY Party List	12
	CHED-One-Town-One-Scholar	4
	CHED-Merit	8
	CHED-CSSGPCD	13
	CHED-Tulong-Dunong	2
	Cong. Cari Scholarship	303
	D.A. ACEF	6
	DIWA Party List	8
	DOLE-OWWA-OFWDSP	6
	DOST-SEI	33
	Gov. Alfred Marañanon Scholarship	1
	LEADS Agri Scholarship	2
	LEYECO	2
	LGU Asturias	20
	LGU Camotes	1
	LGU Hilongos	1
	LGU Javier	25
	Municipality of Baybay	65
	Pagkaon Scholarship	46
	PARRFI	5
	PPRI	1
	SGP-PA Scholarship	20
	ViSCCO	2
	VKV-VLV Frat/Sor Scholarship	2
	<b>Sub-total</b>	<b>646</b>
	<b>TOTAL (Undergraduate Scholarship)</b>	<b>1,518</b>



**External Campuses** – **282** students of **VSU Alangalang** availed of scholarships and grants from different sponsors during the 1<sup>st</sup> Semester of SY 2012-2013 (Rolando T. Celebre - 61, Jaro LGU - 66, Barangay Scholars - 71, Alangalang LGU - 22, Academic - 18, SGP-PA (4P's) - 10, Canada-based Leytenos - 2, CSSC - 3, Capoocan LGU - 3; San Miguel LGU - 2, *An Waray* Party List - 14, DA-ACEF - 4, CHED One-Town-One Scholar - 2, and 1 each from Honorific scholars, CHED Congressional Scholars, CHED Tulong Dunong Scholar and OFWDSP); **96** students of **VSU Isabel** enjoyed the following scholarships/grants: Honorific - 4, LGU Isabel - 35, *Sangguniang Kabataan/Sangguniang Barangay* - 30, Gen. Jun Medina Foundation, Inc. - 12, 3 each from CSSC Officers and Varsity Grants, 2 each from University Scholarship and VSU-IC Alumni, and 1 each from One-Town-One-Scholar, College Scholarship, CA Financial Assistance, DOST-SEI, and CA Financial Assistance); and **57** students of **VSU Tolosa** enjoyed the following scholarships/grants: DA-ATI - 11, BFAR - 11, DSWD - 11, PDAF-FMGR - 7, DIADEM - 7, An Waray Partylist - 4, DILG-Barangay Scholar - 3, Honorific - 2, and DAR - 1 (Table 6).

During the year, an average of 78 students in the Main Campus was hired as student assistants from January to December 2012 with an average of 48.84 hrs. per student per month. Moreover, nine (9) student-borrowers availed of the ViSCASELF loan, while 13 student borrowers availed of the SAFE loan window available for students' financial need. Furthermore, six (6) insurance claims of students were processed by the University Student Services Office (USSO) for the concerned student claimants.

## Guidance and Counseling

The *Guidance and Counseling Section* of USSO conducted individual or group counseling to students on matters related to their studies, career path and follow-up for referred students regarding their academic performance. It also conducted the following guidance programs:

Advocacy Seminar on Cyber Bullying in the Campus; General Orientation Program for New Students; Block Orientation for New Students: Values and Overcoming Obstacles; Recruitment of College and Department-Based Guidance Facilitators (DBGF), Advisers of student organizations and members of the Campus Ministry Program as well as their oath-taking. Moreover, it interpreted psychological tests results of 1,712 college and high school students and other clientele for vocational guidance, admission, work application and other purposes; conducted the following guidance seminars to student leaders and students: Job Seeking, Cyber Forum, Dangerous Drug Act of 2002, Peer Student Volunteers, Orientation Seminar for Student Leaders and Organization/Dormitory Secretaries and Treasurers and SGP-PA Scholars, VSU-DOST scholarship/Career Forum, pre-departure for Nursing Students III; Seminar on Basic Advising for Dormitory Advisers; Seminar on Student Housing Policies and Guidelines for Dormitory Occupants; and held the Honors and Awards Convocation.

## Student Housing

VSU's 27 student dormitory units catered to the housing needs of 1,771 students, 7 of which were for males, 18 for females and two (2) for co-ed residents. During the year, it accommodated a total of 1,860 students (28.76%) of the total student population during the 1<sup>st</sup> semester of SY 2012-2013 and 1,644 students (29.84%) during the 2<sup>nd</sup> semester of SY 2012-2013.

Aside from the regular student-residents in the dormitories and cottages, transients were also accommodated in the dormitories during school break periods. In Summer 2012, a total of 298 transient-residents were accommodated in dormitories coming from different groups, including reviewees from the University Review Center.

Year-round major and minor repairs and maintenance work were carried out in the different dormitories.



**Table 6.** Number of undergraduate scholars in the VSU External Campuses for the 1<sup>st</sup> Semester of SY 2011-2012 and SY 2012-2013.

TYPE OF SCHOLARSHIP	SY 2012-2013	SY 2011-2012
<b>1. VSU Alangalang</b>		
· Academic Scholars	18	19
· Honorific	1	0
· Barangay Scholars	71	53
· Canada-based Leyteños	2	3
· CSSC Scholars	3	3
· Alangalang LGU Scholars	22	20
· Capoocan LGU Scholars	3	3
· Jaro LGU Scholars	66	61
· San Miguel LGU Scholar	2	1
· Mayor Rolando T. Celebre (RTC) Scholars	61	65
· SGP-PA (4P's)	10	0
· DA-ACEF	4	5
· FM Scholars	0	5
· CHED Congressional Scholar	1	0
· CHED One-Town-One Scholar	2	0
· CHED Tulong Dunong Scholar	1	1
· An Waray Party List Scholar	14	1
· OFWDSP	1	0
<b>Total</b>	<b>282</b>	<b>235</b>
<b>2. VSU Isabel</b>		
· Honorific Scholar	4	5
· University Scholar	2	0
· One- town-one-scholar	1	1
· College Scholar	1	0
· CSSC Officers Grant	3	3
· Dance Troupe	0	1
· Gen. Jun Medina Foundation, Inc.	12	6
· LGU Isabel	35	31
· Sangguniang Kabataan/Sangguniang Barangay	30	27
· Congressional (4 <sup>th</sup> District) Scholars	0	1
· VSU-IC Alumni Association	2	2
· Varsity Grant	3	0
· CA Financial Assistance	1	0
· CSSGPCD	1	0
· DOST-SEI	1	0
<b>Total</b>	<b>96</b>	<b>77</b>
<b>3. VSU Tolosa</b>		
· DA-ATI	11	0
· Honorific Scholarship	2	2
· Barangay Scholarship	-	66
· Congressional Scholarship	-	62
· YAFP Scholarship	-	7
· ACEF Scholarship	-	5
· One-Town-One-Scholar Program	-	4
· An Waray Party List	4	4
· CHED Scholarship	-	3
· NUC/PIF	-	0
· PDAF of FMGR	7	0
· TESDA	-	0
· BFAR Scholarship	11	1
· DAR Scholarship	1	1
· Dance Troupe	-	1
· USSC Officers Grant	-	1
· Varsity Grant	-	1
· One-Barangay-One Scholar Program	-	1
· Dept. of Social Welfare & Development	11	-
· DIADEM	7	-
· Dept. of Interior & Local Govt'	3	-
<b>Sub-total</b>	<b>57</b>	<b>159</b>



## Student Organizations and Activities

- During the School Year 2012-2013, 66 campus organizations were recognized by the University Student Services Office (USSO), namely: Course-Related Organizations - 24, Greek-Lettered Organizations - 15, Interest Organizations - 7, Regional Organizations - 2, Religious Organizations - 9, and SSCs and Student Body - 9.

- The following student organizations received awards during the 2012 Honors and Awards Convocation on March 5, 2012:

⇒ **Course-Related Organization of the Year Award**

- 1<sup>st</sup> place - *Society of Hospitality & Tourism Students (SHoTS)*
- 2<sup>nd</sup> place - *Philippine Association of Food Technologists (PAFT)*
- 3<sup>rd</sup> place - *Chemical Society (ChemSoc)*

⇒ **Service Organization of the Year Award**

- 1<sup>st</sup> place - *Venerable Knights Veterinarians/Venerable Lady Veterinarian (VKV/VLV)*
- 2<sup>nd</sup> place - *Tau Gamma Phi/Sigma*
- 3<sup>rd</sup> place - *Alpha Phi Omega (APO)*
- The **VSU Amaranth** was awarded by the organizers of the Regional Tertiary Schools Press Conference (RTSPC) 2012 as **Region 8's Best** during the Regional Tertiary Schools Press Conference 2012 held on March 1-3, 2012 at VSU Main Campus. It won four (4) awards under the "Publication Category", namely: **Best Magazine, Best Website, Best Online Resource**, and the prestigious **Campus Press of the Year Award**.



*VetMed student conducted an information campaign on rabies control and eradication to elementary pupils.*

- The different recognized student organizations in the Main Campus and the external campuses conducted the following activities: general assembly meetings; election of officers; orientation of new students; acquaintance and induction of officers; attendance to different kinds of seminars/congress/fora in line with their degree courses; general cleaning; feeding program to school children of the neighboring baragays; tutorial classes/services; documentation of anniversary activities; layouting and production of leaflets and other communication materials for the technologies generated by VSU; donated books to the barangay high schools; donated reflectorized vest and walkie-talkie to the Geodetic department; had educational tours in the different establishments in Leyte, Cebu and other parts of the Visayas; sponsored fund raising activities; participated in the university intramurals and VSU Anniversary parade; distributed leaflets during the VSU Anniversary; assisted in the construction of booths and in selling seeds/food products during the VSU anniversary; co-sponsored the 2012 Flower and Garden Show; staged the National Rodeo competition; Christmas program/party; assisted the Pest Clinic project; and paid tribute to graduating students.

In addition to the activities of the students in the Main Campus, the students in the



external campuses conducted the following:

**Isabel Campus** - sponsored the Engineering Expo 2012, Fun Run, SOFT Parlor Games & SOFT Night, Movie Marathon, Brawling of the Minds, Quiz Show, Math Trivia, Math Amazing Raze and other activities; **Alangalang Campus** – participated in the Musical Kaleidoscope, playground demonstration, agriculture skills competition, literary-musical contest, talent showdown, vocation campaign, and statistics quiz; **Tolosa Campus** – participated in the talent presentation and workshop, earthquake drill, *Pintados Kasadyaan* Festival of Festivals 2012, Palo Festival, *parol* and *belen*-making contests; **Villaba Campus** – participated in the Anti-Drug Campaign and conducted a Christmas Promo/Raffle Draw.

## FACULTY

### Awards/Achievements

A number of faculty and research staff in the VSU System reaped awards for their commendable performance in teaching and research in the different levels.

- **Dr. Rotacio A. Gravoso**, Professor of the Department of Development Communication, was a recipient of the **John Dillon Memorial Fellowship Award on Research Management** which was sponsored by the *Australian Center for International Agricultural Research (ACIAR)*. It enabled him to attend a research management training in Australia from February 13, 2012 to March 31, 2012. He also got a **Post-doctoral Fellowship Award** from *Erasmus Mundus Action Program 2* which enabled him to pursue post-doctoral research in communication at the University of Leuven, Belgium from December 1, 2012 to May 31, 2013.



Dr. Lucia M. Borines, the recipient of the 2012 PMCP Award.

- **Dr. Lucia M. Borines**, Professor of the Department of Pest Management (DPM) and head of the Plant Disease Diagnostic Laboratory (PDDL), received two prestigious awards during the year, namely:
  - ✓ **2012 Pest Management Council of the Philippines (PMCP) Award** during the *Pest Management Council of the Philippines (PMCP) Annual Scientific Conference* on May 8-11, 2012 at Mallberry Suites, Cagayan de Oro City. Her poster, entitled: "Integrated Management of Phytophthora Disease



Dr. Gravoso (3<sup>rd</sup> from right) with other John Dillon Fellows and ACIAR officials (front, L-R) Dr. Mahfuza Begum, Bangladesh; Dr. Anastacia Notarte, Philippines; Dr. Nick Austin, Chief Executive Officer, ACIAR; Ms. Sharon Harvey, Project Officer for Training and Fellowships, ACIAR; and Dr. Nelda Gonzaga, Philippines.



The VSU researchers that won the AFMA Best R&D paper: Dr. Lucia M. Borines (2<sup>nd</sup> from left), Dr. Zenaida C. Gonzaga and Dr. Anabella B. Tulin, together with BAR Director, Dr. Nicomedes P. Eleazar (leftmost), Dr. Othello B. Capuno (3<sup>rd</sup> from right), Dr. Jose L. Bacusmo (2<sup>nd</sup> from right) and BAR Assistant Director, Dr. Teodoro S. Solsoloy (rightmost).

of Jackfruit in the Southern Philippines” co-authored by Dr. Rosalie Daniels, Dr. Carlos De la Cruz, Prof. Reny Gerona, Dr. Ruben Gapasin, Mr. Job Abuyabor, Engr. Mike Pedroso, Mr. Romualdo Marcelino, Mr. Julio Muñoz, Ms. Victoria Palermo, Mr. Gil Guadalquiver, and Dr. David Guest, was awarded **Best Poster** by the *Philippine Phytopathological Society (PPS), Inc.* during the said event; and

- ✓ **2012 AFMA Best R&D Paper (Gold Winner)** in the Basic Research Category during the 24<sup>th</sup> National Research Symposium held on October 17-18, 2012 in Quezon City, together with Dr. Carlos S. Dela Cruz of DA’s Regional Integrated Agricultural Research Center in Abuyog, Assoc. Prof. Rene G. Gerona, Dr. Ruben M. Gapasin, Ms. Victoria G. Palermo, Mr. Gil Guadalquiver – all from VSU DPM, and Dr. Rosalie Daniel and Dr. David Guest of the University of Sydney, Australia.

- **Dr. Daniel Leslie Tan**, Professor and researcher of the Philippine Root Crop Research and Training Center (PhilRootcrops), passed the **Patent Agent Qualifying Examination (PAQE)** and is now a **registered patent agent** capable of doing patent search and patent drafting.
- **Dr. Victor B. Asio**, Dean of the College of Agriculture and Food Science, was invited as **Visiting Professor** at the *Institute of Soil Science and Land Evaluation, University of Hohenheim (UH), Germany* from April 13 to May 12, 2012. He gave a series of lectures to graduate students enrolled in the international master’s program on natural resource management.
- **Dr. Anabella B. Tulin**, professor of VSU’s PhilRootcrops and **Ms. Marciana B. Galambao**, were the recipients of the **2012 AFMA Best Paper Award (Silver Winner)** in the Applied Research TA/TV-Agriculture Category.
- **Prof. Maria Aurora Teresita W. Tabada**, Director of the Institute for Strategic

Research & Development Studies (ISRDS), was the Academe representative of Leyte Province to the DILG-CSO-ACADME Regional Partnership Program, Member of the Baybay City Gender and Development Council (CGADC), and the Chairman of the VSU's GAD Focal Point System & GAD Technical Working Group.

- **Prof. Winston M. Tabada**, Head of the Department of Computer Science (DCST), attended the ITPEC Question Formulation Meeting (QFM) sponsored by the Information Technology Promotions Agency (IPA), Japan in coordination with the Philippine National IT Standards (PhilNITS) Foundation, Inc., on December 5-7, 2012.

## Faculty Strength

Two hundred eighty-four (284) faculty members of the VSU Main Campus (92 PhD, 115 MS/MA/MEd, and 77 BS) carried out its instruction, research, extension, and production activities. Forty-five (45) were detailed in research centers (25 PhD, 18 MS/MA/MEd, and 2 BS).

A total of 115 faculty members of the external campuses supported their various programs: VSU Alangalang - 26 (5 PhD, 8 MS, 13 BS); VSU Isabel - 36 (1 PhD, 6 MS, 29 BS); VSU Tolosa - 27 (3 PhD, 15 MS, 9 BS); and VSU Villaba - 26 (4 PhD, 17 MS, 5 BS).

## Scholarships

Forty-nine (49) faculty members of the VSU Main Campus pursued advanced studies in different fields of specialization (4 for Post Doctoral, 27 for PhD/DEd and 18 for MS/MEd) with scholarship grants from Fulbright, AREAS, John Alright Scholarship, Georg-August University, EXPERTS Erasmus Mundus Action 1 & 2 (EMA 1 & 2), Deutsche (DAAD),

Philippine Council of Aquatic Marine (PCAMRD), Department of Science and Technology (DOST), DOST-PCARRD-SEARCA, VSU-DOST, Commission on Higher Education (CHED)-VSU, CHED-FDF, and VSU Fellowship/Graduate Assistantship.

Four (4) faculty members from VSU Tolosa pursued their MS degrees in Aquaculture and Ocean Sciences, Chemistry, and Criminology at the UP-Visayas, Iloilo, UP-Visayas Diliman, and Western Mindanao State University (WMSU), respectively, with scholarship grants from DOST and VSU Fellowship; one (1) faculty member from VSU Isabel pursued an MS degree in Environmental Science at UP Los Baños with scholarship grant from DOST; and one (1) faculty member from VSU Villaba pursued a doctoral degree in Plant Protection at the Central Luzon State University (CLSU) with funding support from DOST (Table 7).

## 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 to upgrade/update their knowledge. During the year, a total of 1,404 academic staff of the VSU System attended 694 trainings/seminars/conferences which included 62 international, 172 national, 155 regional, and 305 local trainings (Table 8).

## Publications

Thirty-two (32) VSU faculty and research staff authored/co-authored scholarly and professional articles published in national and international journals.





(Left) VSU faculty and staff who attended the one-week training on DNA Barcoding at De La Salle University (DLSU), together with other participants and resource persons: Dr. Beatriz Belonias (rightmost - 2<sup>nd</sup> row), Ms. Jedi Joy Mahilum (3<sup>rd</sup> from left - 2<sup>nd</sup>), and Ms. Minerva Gaurana (right, seated); (right) Training on e-Book Writing of VSU faculty.

**Table 7.** Number of faculty on study leave/post-doctorate of the VSU System.

Dept.	No. of faculty	Degree Pursued		Funding Agency	Place of Study	Field of Specialization
		MS	Ph.D./Ed.D			
VSU Main Campus						
DSE	2	-	2	VSU Fellowship	USJR, USC Cebu City	Early Childhood Educ. & Res & Evaluation
DCSHM	1	1	-	VSU Fellowship	De La Salle University	Nutrition, Hotel & Restaurant Mgt
IHK	1	-	1	VSU Fellowship	SWU, Cebu	Physical Educ
DLABS	1	-	1	VSU Fellowship	USJR, Cebu City	English/Lang Teaching
DoPAC	2	-	2	VSU Fellowship	UPLB, USC	Plt. Physio & Chem., Chemistry
DBS	1	1	-	OLIR-OUS	Belgium	Molecular Biology
DCST	3	3	-	DOST, CHED-VSU	USC/CIT Cebu; UPLB	Computer Sci., Information Tech
DOH	3	1	2	VSU-DOST, Erasmus Mundus	UPLB, Univ. of Java; Germany	Horti Sciences; Horticulture; Industrial Crops
DASS	1	-	1	DOST	CLSU	Crop Science
DDC	3	1	2	VSU Fellowship	UPLB	Dev Com
DAS	2	2	-	Erasmus Mundus, EXPERTS	European University	Animal-Derived Food; Dairy Industry and Economy

Dept.	No. of faculty	Degree Pursued		Funding Agency	Place of Study	Field of Specialization
		MS	Ph.D./Ed.D			
DFST	1	-	1	DOST	UPLB	Food Science
DDC	3	1	2	VSU Fellowship	UPLB	Dev Com
DPBG	1	1	-		UPLB	Molecular Genetics
DOE	4	1	3	VSU Fellowship	UPLB, Germany	Dev Econ; Ag. Econ; Marketing & Ag. Price Analysis
DBM	3	1	2	VSU Fellowship	USJR, USC	HRM, Business Admin; Bus. Mgt
ISRDS	1	-	1	VSU Fellowship	USC, Cebu City	Anthropology
DFS	3	1	2	DAAD, John Alright Scholarship, DOST-PCARRD-SEARCA,	University of Goettengin, Germany; UPLB; Australia	Forest Inventory, Silviculture
ITEEM	2	-	2	PCAMRD	Cebu City	Marine Biology, Marine Invertebrate
DMPS	3	1	2	CHED, VSU Fellowship	USC, Cebu City	Physics, Math
DGE	2	2	-	VSU Fellowship		Land Mgt. & Land Tenure
DME	1	1	-	CHED-FDT	De La Salle University	Industrial Eng'ng.
VSULHS	1	-	1	VSU Fellowship	USC, Cebu City	Filipino
DASS	1	Post Doctoral				
DoPAC	1					
DDC	1					
PhilRoots	1					
<b>TOTAL</b>	<b>49</b>	<b>18</b>	<b>27</b>			
(Main Campus)						
<b>External Campuses</b>						
VSU Isabel	1	1	-	DOST	UP Los Baños	Environmental Science
VSU Tolosa	4	4	-	DOST, VSU Fellowship	UPV-Iloilo, UPV-Diliman, WMSU	Aquaculture, Chemistry, Criminology
VSU Villaba	1	-	1	DOST	CLSU, Nueva Ecija	Plant Protection
<b>TOTAL</b>	<b>6</b>	<b>5</b>	<b>1</b>			
(External Campus)						



**Table 8.** Trainings/seminars/workshops attended by faculty in 2012.

DEPARTMENT/COLLEGE/ CENTER/ INSTITUTE	INTERNATIONAL		NATIONAL		REGIONAL		LOCAL	
	No. of Training	No. of Participants	No. of Training	No. of Participants	No. of Training	No. of Participants	No. of Training	No. of Participants
<b>College of Agriculture &amp; Food Science</b>								
DAS	1	1	4	7	4	9	6	16
DASS	11	11	8	14	9	25	3	6
DDC	7	7	2	2	2	3	7	16
DOH	6	7	9	10	6	24	8	14
DPM	7	8	14	26	24	40	16	22
DFST	1	1	4	9	8	9	9	13
<b>College of Arts &amp; Sciences</b>								
DBS	5	5	7	11	10	10	16	18
DLABS	0	0	23	29	1	1	7	7
DoPAC	2	2	8	13	5	7	11	26
DMPS	-	-	6	9	2	2	3	8
<b>College of Education</b>								
DTE	0	0	6	9	1	2	14	27
DCDE	0	0	0	0	0	0	21	25
VSULHS	-	-	3	5	6	15	4	5
IHK	-	-	3	3	1	1	7	7
<b>College of Engineering &amp; Agri-Industries</b>								
DAE	-	-	2	2	-	-	-	-
DCE	-	-	2	2	2	3	-	-
DGE	-	-	2	2	1	3	-	-
DME	-	-	3	3	1	3	1	5
DCST	1	1	2	5	-	-	-	-
<b>College of Management &amp; Economics</b>								
DBM	1	1	2	2	1	1	4	13
DCHM	-	-	-	-	2	2	6	6
DOE	1	1	4	5	-	-	14	19
ISRDS	4	4	3	3	17	21	13	28
<b>College of Forestry &amp; Environmental Science</b>								
DFS	4	13	15	17	7	13	14	31
ITEEM	3	7	2	2	3	6	11	12
College of Vet. Medicine	2	2	8	17	-	-	8	14
College of Nursing	2	2	-	-	1	1	3	8
<b>Sub-total</b>	<b>58</b>	<b>73</b>	<b>142</b>	<b>207</b>	<b>114</b>	<b>201</b>	<b>206</b>	<b>346</b>
<b>Research Centers/Office</b>								
NARC	1	1	12	18	6	38	16	40
NCRC	1	1	-	-	4	4	14	16
PhilRootcrops	4	5	6	10	2	4	1	28
ITSO	-	-	2	6	3	7	1	4
<b>Sub-total</b>	<b>6</b>	<b>7</b>	<b>20</b>	<b>34</b>	<b>15</b>	<b>53</b>	<b>32</b>	<b>88</b>
<b>External Campus</b>								
Alangalang Campus	-	-	3	4	7	8	19	61
Isabel Campus	-	-	1	1	4	10	23	186
Tolosa Campus	2	2	9	12	11	17	10	23
Villaba Campus	-	-	3	3	6	8	16	107
<b>Sub-total</b>	<b>2</b>	<b>2</b>	<b>16</b>	<b>20</b>	<b>28</b>	<b>43</b>	<b>68</b>	<b>377</b>
<b>GRAND TOTAL</b>	<b>62</b>	<b>77</b>	<b>172</b>	<b>251</b>	<b>155</b>	<b>293</b>	<b>305</b>	<b>783</b>



## LIBRARY SERVICES

### Acquisitions & Donations

The University Library continued to acquire additional learning materials and references through purchase, donations or exchange. During the year, the number of library holdings both print and non-print was 68,935 volumes.

It received 12 sets of computers from the Commission on Higher Education (CHED), 11 of which were for the use of students and one was used as a server. It also acquired its own internet connection with wi-fi accessibility and two (2) data bases, namely, the Science Direct through PHERNET and the ProQuest Central through CHED. It also availed of the Science and Technology Academic and Research-Based Openly-Operated Kiosk Stations (STARBOOKS), the first Philippine Science Digital Library developed by the Department of Science and Technology (DOST).



*Dr. Janice P. Susaya, a first batch graduate (2004) of VSU's BS in Biology major in Ecology, obtained her doctorate in Environmental Science major in Atmospheric Pollution at Sejong University in Seoul, South Korea.*

The libraries of the external campuses also acquired books during the year: VSU Alangalang - 54 titles (92 volumes); VSU Isabel - 19 books (42 copies); VSU Tolosa - 170; and VSU Villaba - 203 books

## ALUMNI

- The VSU Alumni Association (VSUAA), Inc., through **Batches '82 and '85**, sponsored the **VSU Grand Alumni Homecoming 2012** on May 18-19, 2012 which was anchored on the tagline "*MagKiTiPay (Magkita-kita, Magtigum-tigom, Maglipay-lipay) na sab ta sa ViSCA*".
- The VSUAAI, through its President, Dr. Edgardo E. Tulin, launched and inaugurated on May 18, 2012 the **Alumni Heritage House** that featured a pictorial display of the old buildings of the University as well as its alumni and those who joined in various alumni homecomings.

### Alumni Achievements/ Awards

- **Dr. Janice P. Susaya**, a 2004 BS in Biology major in Ecology graduate of the VSU obtained her doctorate in Environmental Science major in Atmospheric Pollution at the Sejong University in Seoul, South Korea. She published 16 scientific papers (13 international and 3 local) dealing on different aspects of atmospheric pollution, terrestrial and aquatic pollution. She received a "Gilas-PIKO" science excellence award from the Pinoy Iskolars in Korea (PIKO) for having the highest number of international publications among all Filipino scholars in Korea.
- **Mr. Ismael Aya-ay**, a 1980 BS in Agricultural Development Education (BSADE) major in Development communication graduate of the then ViSCA,



Atty. Ruphil Bañoc (left) received a plaque and a cash award as Radio Broadcaster of the Year from the representative of Globe Telecom.

- was installed on May 22, 2012 as the new **Provincial Agrarian Reform Officer II** (PARO II) of Biliran.
- **Ms. Maita L. Aban**, a 2009 Bachelor of Animal Science (BAS) graduate, won the Best Paper Award (1<sup>st</sup> place) during the 30<sup>th</sup> Philippine Society of Animal Science-Visayas Chapter (PSAS-VC) Scientific Seminar and Annual Convention held at the Bethel Guest House in Dumaguete City on August 15-18, 2012.
  - **Atty. Ruphil Bañoc**, a 1998 graduate of the BS in Development Communication (BDC) major in Community Broadcasting, won the **Radio Broadcaster of the Year Award** which was given by Globe Telecom on September 18, 2012 at the Casino Español de Cebu in Cebu City.
  - **Mr. Francis A. Roda**, a 2011 graduate of the BS in Computer Science (BSCS), passed the Philippine National IT Standards Foundation (PhilNITS) Examination given on October 28, 2012.
  - Seven (7) alumni who were placers in the 2011 PRC Licensure Examinations were given medals and cash awards during the VSU's 59<sup>th</sup> Commencement Exercises, namely:
    - ✓ **Dr. Harvie P. Portugaliza** and **Dr. Jason E. Jumao-as** – *Mayor Carmen L. Cari Award of Excellence for Veterinarians.*
    - ✓ **Engr. Eulalio C. Culobio, Jr., Engr. George Churchella Roluna, Engr. Reyfel Niño G. Maglines, and Engr. Justine Jane S. Lasquites** – *Congressman Jose Carlos L. Cari Award of Excellence for Geodetic Engineers.*
    - ✓ **Mr. Marjun R. Pilota** – *Board Member Florante A. Cayunda, Jr. Award of Excellence for Teachers.*

## ACCOMPLISHMENTS OF OFFICES UNDER THE VICE PRESIDENT FOR INSTRUCTION

The **Office of the Graduate School (OGS)** released the Volume 9 issue of the *Science and Humanities Journal*; updated/revised two (2) program brochures of the Graduate School; and started the revisions of the Graduate School Code.

The **University Library** celebrated the PLAI's Library Information Services Month and the National Book Week with the following activities: VFES Pupils' Storytelling, quiz bowl, film showing, and poster making contest with the theme "Libraries' effect on society"; conducted instructions/orientation on the use of the Reference Tools and Citation for the college and high school students; and the VSU BOR approved the new and revised Library Handbook.

The **Office of the University Registrar (OUR)** 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 VSU main and external campuses for budget preparation; continued encoding in the database the records of graduates especially in the past years; processed required reports on student enrolment, grades and units earned; sent confirmation to the agencies and embassies verifying the records of students/graduates applying for work abroad; and facilitated the authentication of diploma and other documents.

The office generated a gross income of P1,129,966.00 from the different services rendered.



# OFFICE OF THE VICE PRESIDENT FOR RESEARCH & EXTENSION (OVPRE)

The University implemented 135 researches during the year, of which 31 were completed and 104 were ongoing; and of the ongoing researches, 31 were new (Table 9).

A total of P 64,115,535.36 was the budget for R&D in 2012 and P-18,275,527.05 (28.50%) were funded by foreign agencies, P-8,440,000 (13.16%) by VSU, and P37,400,008.31 (58.33%) by other national and local agencies (Fig. 1 and Table 10).

## Technologies Generated from Completed Researches

- *Application of 150-50-150 kg/ha N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O + 8 kgs Biozome-200* for increased yield of purple yam; 145-45-45 kg/ha N-

P2O<sub>5</sub>-K<sub>2</sub>O + 8 kgs Biozome-200 for sweetpotato. Macro and micronutrient biofortification enhanced the intensity of purple coloration and anthocyanin contents of purple yam and sweetpotato and the effect was more pronounced in acid soil. It also improved the chemical properties of the soils where the crops were planted.

- *Sweetpotato sex weevil pheromone* convenient, safer and relatively cheaper synthesis of the sweetpotato weevil pheromone, (Z)-3dodecenyl-(E)-2-butenolate which was developed through the esterification of either trans-crotonic acid or crotonyl chloride with (Z)-3-dodecenol from hydrolysis of previously unreported (Z)-3-dodecenyl-1-tetrahydropyran either obtained from cis-selective Wittig reaction of nonanal



During the presentation of the 2011 accomplishments and 2012 plans and activities of VSU research centers.

with triphenylphosphonium proparyl-i-pyran ether iodide. The synthetic product was identical to the natural pheromone of the female sweetpotato weevil. SPW pheromone reduced sweetpotato weevil population to a significantly low level. Field evaluation at Cabintan in Ormoc City where high infestation of about 70% before the introduction of SPW pheromone resulted in less than 5% infestation after continuous mass trapping of adult weevils for four consecutive cropping seasons. From the thousand of male weevils caught in the pheromone traps during the first cropping, the weevils trapped hardly reached 50 during the 3<sup>rd</sup> cropping indicating a very low level of population in the field.

- **Taro Wine** produced by PhilRootcrops and analyzed by Food and Nutrition Research Institute (FNRI) has phytonutrient content, as follows: polyphenols (118.5mg gallic acid/100g), flavonoids (146.6 mg catechin/100g), and anthocyanin (14.6 mg catechin/100g).

In terms of its antioxidant activity, 2,2-Diphenyl-1-Pycrylhydrazyl (DPPH) had 30.7% inhibition while Ferric Reducing Antioxidant Power (FRAP) had 15.8 mg Trolox/100g. It also had a high glycemic index (100 GI) and high calorie content (114kcal).

- The **Veterinary Drug Residues (VDR) Diagnostic Kit** could detect residues in chicken and pork which is comparable to the commercial kit of RANDOX signifying the validity and sensitivity of the generated antisera. It can also be used to detect antibiotic residues from processed meat products and urine samples. All generated antisera had titers ranging from 1:900 to 1:2,800 and could detect a residue level of as low as 10ppb. The cost of residue analysis using the developed dipstick and DAS-ELISA is Php55.10 and Php89.30, respectively, which is cheaper than the cost of analysis using the commercial RANDOX kit which is Php1,254.00.

**Table 9.** Number of projects/studies by commodity/discipline.

Commodity	Ongoing	Completed	New	Total
Sago	1	0	0	1
Rice	4	2		6
Abaca	10	4		14
Rootcrops	31	7		38
Coconut	8	3		11
Bamboo	0	1	0	1
Corn	1	0	0	1
Fisheries	0	3		3
Fruits and Vegetables	20	2		22
Climate Change	2	0		2
Natural Resources Management	6	8		14
Farming Systems	1	1	0	2
Higher Education/Socioeconomics/ Rural Sociology	3	11		14
Poultry & Livestock	5	1		6
<b>TOTAL</b>	<b>92</b>	<b>43</b>	<b>0</b>	<b>135</b>



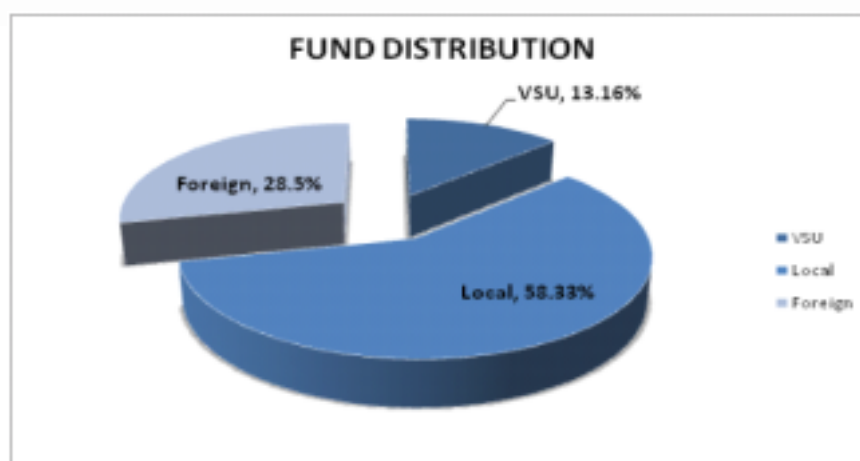


Figure 1. Fund distribution of R&D projects.

Table 10. R&D budget for CY 2012.

FUNDING AGENCY	AMOUNT (P)	PERCENTAGE (%)
A. VSU Funded – Direct Cost	8,440,000.00	13.16
B. Local/National Funded		
CHED	2,734,399.50	
DA-BAR	5,895,882.00	
DA RFU/RO 8	1,500,000.00	
DA-ARCESS	480,000.00	
DARFU-7	2,780,000.00	
Department of Energy	2,154,622.00	
NRCP	686,630.00	
PCAARRD	8,045,321.51	
PCHRD	12,447,683.30	
PTCF	190,970.00	
GEF, UNDP (SIBP)	480,000.00	
UPLB Foundation Inc./ISAAA	4,500.00	
<b>Sub-total</b>	<b>37,400,008.31</b>	<b>58.33</b>
C. Foreign Funded		
ACIAR	11,881,686.94	
ADB-IRRI	969,746.00	
Deutsches Institut Fur Entwicklungspotitik (DIE) GmbH, Germany/The German Development Institute (DIE)	1,373,504.00	
GIZ (Deutsche Gessellschaft fur Internationale Zusammenarbeit (GmbH)	1,334,956.11	
NatureLife-International Germany	79,800.00	
USAID	1,894,900.00	
Worldfish Center and DOST VIII	740,934.00	
<b>Sub-total</b>	<b>18,275,527.05</b>	<b>28.50</b>
<b>GRAND TOTAL</b>	<b>64,115,535.36</b>	





Figure 2. International source of funds for R&D projects.

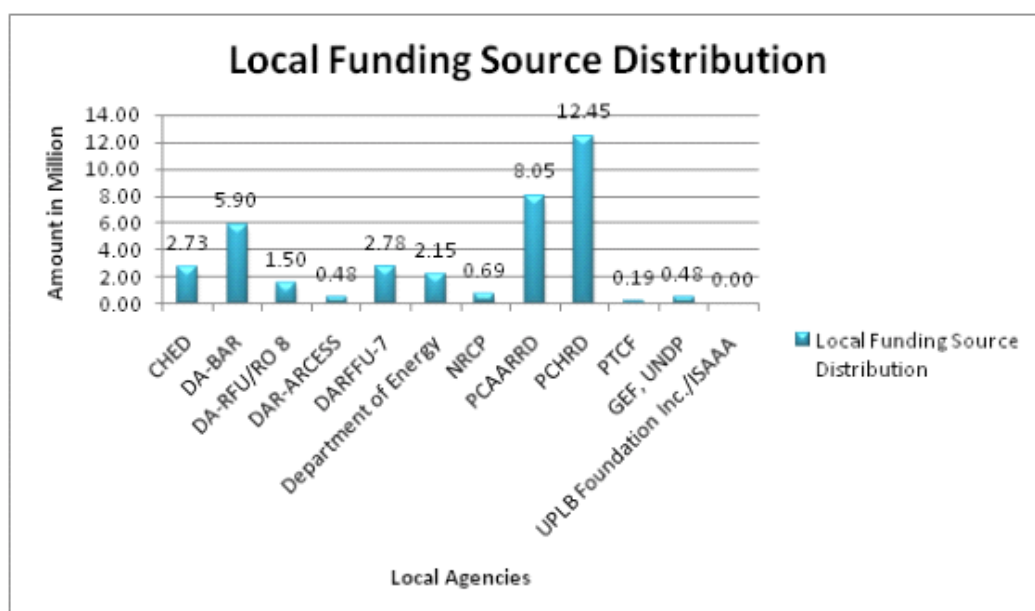


Figure 3. Local source of funds for R&D projects.

## Status of VSU Technologies for Intellectual Property (IP) Applications

VSU applied for intellectual property (IP) of the technologies generated by its researchers through the Department of Science and Technology-Technology Application and Promotion Institute (DOST-TAPI) as well as monitored the status of pending IP applications.

### New Application:

- Abaca Bunchy Top Virus Diagnostic Kit  
Author: *Dr. Edgardo E. Tulin*
- Herbal Dewormer Against Roundworms of Small Ruminants  
Author: *Dr. Tomas J. Fernandez, Jr.*

### Pending Applications:

- Regeneration of Philippine Sweetpotato in Tissue Culture through Somatic Embryogenesis  
Authors: *Dr. Manuel K. Palomar, Dr. Nestor L. Pido, Dr. Erlinda A. Vasquez, Ms. Emma Conception L. Gamotin, Mr. Vincent A. Edralin, Mr. Rey Anthony D. Cojuangco, Ms. Carolyn S. Vergara, Ms. Mary Ann Jolly B. Regis*
- Plant Power Shredder  
Author: *Engr. Feliciano G. Sinon*

- Optimized Portable Abaca Stripping Machine

Authors: *Engr. Feliciano G. Sinon and Dr. Roberto C. Guarte*

## Registered VSU Technology

**Nutritive Noodle Composition**, invented by *Prof. Naomi G. Petronio, Prof. Abdulla G. Camoying and Dr. Roberta D. Lauzon*, was registered with DOST-TAPI on August 31, 2011 with registration number UM Reg. No. 2-2009-000420.

## Germplasm Collection

The different research centers of VSU Main Campus continued to enrich the germplasm collections as source of their planting materials and the total number of accessions were, as follows: **PhilRootcrops** - 2,120 accessions of rootcrops consisting of 946 sweetpotato, 310 cassava (NSIC varieties - 46, local varieties - 41, elite or promising lines - 131, and foreign accessions - 92), 355 yam (*D. alata* - 225, *D. esculenta* - 78, *D. bulbifera* -16, *D. hispida* - 20, *D. rotundata* - 15, and *D. pentaphylla* - 1); 415 taro, and 94 minor root crops (yambean - 45, arrowroot - 35, yautia - 5, *talian* - 6 and *pungapong* - 3); **NCRC-V** - 45 accessions (28 tall and 17 dwarf coconut accessions).



## RESEARCH HIGHLIGHTS

### Varietal Improvement

#### ***Breeding for Bunchy Top Resistance and High Fiber Yield in Abaca***

Among the abaca hybrids exposed to ABTD infection in the field, nine (9) promising ABTV resistant progenies with fiber yield ranging from 250.70 to 382.80 gram/stalk and fiber recovery of 0.77-1.60% were selected from the initial clone plots, namely: MH 2888-1-9, MH2992-3-6, MH2888-7-1, MH2998-1-1, MH102-3-2, MH102-1-2, MH 2888-7-5, MH 2888-8-12 and MH 2888-3-3. Eight (8) hybrids were progenies of Itolaus x Inosa while MH 2992-3-6 was the product of Itolaus x MH 336-4. The hybrids were being multiplied in the field/laboratory for further evaluation in a two-row non-replicated trials

Three backcrosses (BC) were also done involving three (3) hybrids, a cross between Itolaus and Inosa using Inosa as the recurrent parent, namely: MH 2888-7-5 x Inosa, MH 2888-5-7 x Inosa and MH 2888-3-3 x Inosa. The first two backcrosses produced two 2-hands and the third backcrosses, 3 hands.

#### ***National Multilocational Trials of Promising Abaca Bunchy Top-resistant Genotypes***

Eleven (11) entries, namely: Abuab, Maguindanao, Tinawagan Pula, Tangongon, Musa Tex 50, MS-2, MS-3, MS-9, MS-12, MJ-2 and MH 83-1, three regional checks, Tinawagan Puti for Region 11; Linawaan for Region 8 and Bongolanon for Region 11 and one national check, Inosa were included in the trial.

Production of clean planting materials of all the entries through *in vitro* culture was done and the response of abaca to *in vitro* propagation was genotype-specific. Promising bunchy top - resistant hybrid was more difficult to propagate than the parent materials. Similar results were

obtained in the micro-propagation of abaca hybrids by IPB because they were less responsive to the culture medium especially at the early stage of micro-propagation. Hence, micro-propagation cycle was much longer than the other genotypes. During the first subculture cycle, only one to two small shoots were produced. However, from the 10<sup>th</sup> cycle onward, which was more than a year, a large number of more vigorous shoots were produced, indicating that a certain degree of maturity of the tissues was needed for maximum shoot production. Similarly, Maguindanao, a Mindanao variety, was more difficult to propagate than Leyte and Bicol varieties. The plantlets were very slow-growing and produced very few small shoots. Field planting of the entries in Brgy Vecinal, Mahaplag, Leyte and Brgy Palale, Javier, Leyte representing the disease and clean areas, respectively, was already done. Outplanting of entries in other major abaca growing regions was scheduled in January, 2013.

#### ***Characterization of Local and Introduced Coconut Cultivars/Hybrids***

Old-bearing coconut accessions which possessed good characteristics for copra production were Baybay Tall (BAY), Dagohoy Tall (DGY), Tacunan Dwarf (TAC), Camotes Dwarf (CAM), and Catigan Dwarf (CAT). Spicata tall (SPCA) and Catigan dwarf (CAT) were good materials for coco-crisp production, dehydrated, and vacuum-fried coconut because of their thick meat of about 12mm.

Among the newly-bearing coconut accessions, Clarin Dwarf (CRN), Buenavista Dwarf (BNV), Salawad Tall (SWT), Conalum Tall (CIT), Oongotin Tall (OTN), Limbahon Tall (LIM), and Cabutan Tall (CAB), were observed to have high copra yield per nut that ranged from 234g to 294g, respectively.



Moreover, San Antonio Tall (SAT), Santo Rosario Tall (SRT), and Clarin Dwarf (CRN) were also observed to have good meat characteristics and could be alternative materials for coco-crisp production, dehydrated and vacuum fried coconut.

The percent (%) oil content of fresh dried meat among the tall and dwarf coconut accessions that were characterized ranged from 45.4% to 67.6% with Conalum tall having the highest and Palompon Tall (PAT) having lowest percent oil content. Varieties with high oil content can be a good source for virgin coconut oil production.

## CULTURAL MANAGEMENT

### *NCT-Vegetable Legumes*

Out of the ten entries evaluated Tw # 11 entry obtained the highest number (983.50) of marketable pods/plot and gave the heaviest weight (13.87) kg/plot, respectively, compared to the rest of the entries evaluated during dry season planting. However, Sandigan (check entry) gave the highest number (34.00) of non-marketable pods/plot followed by TW # 11 (29.25) entry. Likewise, NSIC PS 5 gave the lowest number (18.25) of non-marketable pods compared to the rest of the treatments tested. It was observed also that on the heaviest of non-marketable pods (kg/plot), CSD 5-1 got the heaviest weight (49) followed by Sandigan (0.42) as check variety.

### *Generally Regarded As Safe (GRAS) Coatings to Enhance Shelf Life of Vegetables*

GRAS coatings of Hagimit, Cat Whisker, Turmeric, Citronella and Balimbing extracts were used to prolong the shelf-life of vegetables such as eggplant, tomato and pole sitao. The shelf-life of these vegetables was greatly enhanced by GRAS coatings of hagimit and catwhisker extracts compared to the other three coatings. Different concentrations of GRAS coatings were used, namely: 1%, 5 % and 10 %. It was

observed that the 1% concentration of the extracts was the most effective than the other two concentrations used. Hence, the lesser the concentration of the extracts, the more effective it is. Different dipping times of the vegetables to the GRAS coatings also gave a significant difference. Dipping time of 1 minute, 5 minutes, and 10 minutes was used. It was observed that the vegetables dipped in lower time resulted in a higher shelf-life. Common causes of deterioration of the vegetables were signs of anthracnose infections, severe shriveling and soft rot for tomato; fruit borer, severe browning and shriveling for eggplant; and severe yellowing and shriveling for string beans.

## PEST MANAGEMENT

### *Management of Cassava Phytoplasma Disease: Survey, Diagnosis, Characterization and Control*

Commercial cassava growing areas in Regions 3, 7, 11, 10 and ARRM were surveyed for the presence of cassava phytoplasma disease (CPD) also known as cassava witches broom. The disease was present in all areas except in Region 3. High incidence was noted on hybrid varieties like NSIC Cv-22 and NSIC Cv-30. Native varieties such as Golden Yellow and Kapulutan also succumbed to the disease. GIS maps of the occurrence and distribution of the disease were also made.

Phytoplasma-diseased plants and apparently healthy ones were subjected to PCR for detection, diagnosis and characterization. All diseased and some symptomless plants were positive to the disease. Optimization of the PCR protocol to differentiate strains is in progress.

Four antibiotics, namely: streptomycin, erythromycin, co-trimoxazole and rifamycin and resistance inducer, ethyl salicylate, for CPD treatment were evaluated on four cassava varieties in pot and field experiments. All antibiotics and resistance inducer were able to



control the disease but not 100%. Antibiotic and resistance inducer treatment on infected and apparently healthy cassava resulted in better yield and higher starch content than the untreated plants. The disease can cause up to 100% yield loss if symptoms appear right after plant establishment. For plants that were able to survive, produce small tuberous roots with lower dry matter.

### **Cost-effective IPM in the Production of Quality Planting Materials**

Pre-treatment of sweetpotato planting materials with fungicides, Dithane and Benlate, protected the plants from scab infection for the first two months from planting. However, highly susceptible varieties got infected after 3-4 weeks from planting. There is still a need to spray fungicides before planting materials can be taken from pre-treated plants since the first harvest of planting materials can only be done after 6-7 weeks from planting.

Intercropping sweetpotato with mongo reduced weed incidence. Light hoe cultivation for weed control four weeks after planting in sweetpotato monoculture also reduced weeding cost.

Pre-planting treatment of cassava stalks with streptomycin and cartap hydrochloride was able to control phytoplasma disease and scale insect, respectively, and intercropping of cassava with sweetpotato was able to reduce weeding by 50-65% and produce income after 3-4 months from planting.

### **Evaluation of the Entomopathogen, *Lecanicillium lecanii* for the Control of the Abaca Aphid, *Pentalonia nigronervosa* Coq**

A total of 16 isolates of entomopathogenic fungi was isolated from different areas in Leyte (Baybay, Mahaplag, Ormoc and Sogod).

*Metarrhizium* sp. and *Lecanicillium* sp. were identified infecting the aphids and an unidentified entomopathogen. *Lecanicillium* sp. grew well and sporulated in Jackfruit seed decoction agar (JSDA).

Percent mortality of aphids in natural infection ranged from 8% to 40% for *Metarrhizium* sp. and 19% to 36% for *L. lecanii*. The unknown fungi had 12% to 22% mortality.

*In vitro* test using abaca leaf disc showed a higher mortality rate that ranges from 20% to 94% for *Metarrhizium*, 30% to 100% for *Lecanicillium lecanii*, and 24% to 86% for the unknown.

Isolates from Gaas, Ormoc seemed to be more virulent compared to those collected from other areas.

### **Use of Botanical Pesticides in Improving Coconut Yield**

The test variety used was Tacunan Dwarf instead of the Baybay Tall because of the following reason: to reduce the cost of labor, the palms, soil and immediate environment should be more or less homogenous. The experiment was conducted using the following treatments as pesticides: T0 - control (no application, T1 - tubli extract, T2 - tea seed extract, T3 - tea seed (as repellent)

The results showed that application of botanical pesticides to coconut palms generally improved its button retention and that regardless of age of inflorescence used, the inflorescence treated with tea seed as repellent (T3) had the highest button retained compared to tubli (T1) and tea seed extract (T2), in both months of applications. This could be due to its long lasting effects of tea seeds as repellent, hence, organism responsible for button abortion could not directly attack the inflorescence. It was observed that inflorescence with no application of botanical pesticides showed the lowest button retention.



## PRODUCT DEVELOPMENT/ IMPROVEMENT OF FOOD PRODUCTS

### ***Development of Dairy Food Products from Carabao's Milk***

The traditionally processed “keseo” or white cheese was improved by modifying the process and formulation. The quality of keseo was enhanced by incorporating nutrient-rich material like rootcrop and vegetables. Green, purple, and orange colored types of keseo were developed and the products were highly acceptable.

Whey was utilized as base material for producing fruit-flavored whey beverage. It was also utilized as medium for nata production. The whey beverage was found acceptable among sensory panelists and consumers. The quality of nata from milk whey was comparable to its commercial counterpart. Fruit-flavored probiotic milk beverage and probiotic green ice cream and ice cream bars were also developed. The improved and novel dairy-based food products were all acceptable among sensory panelists and consumers.

### ***Development and Quality Assessment of Novel and High Value Fishery Products in Region VIII***

The traditionally processed shrimp “uyap” and anchovies “guinamos” were reprocessed and reformulated into stir fried sweet and spicy alamang and anchovies. Incorporation of hot spice and sugar enhanced the sensory qualities of the product. Novel fishery and fish-based food products were also developed.

Ready-to-eat fish tocino and fish tapa can be processed from non-target fishes. Sea vegetable or “guso” can be possible substitute for vegetables in the production of achara and kimchi. Both achara and sea vegetable kimchi were found highly acceptable. Fish crunch was developed using cassava flour and fish paste

incorporated with malunggay. The product is ideal snack item and potential alternative for pork chicharon. Green fish noodle was another promising product developed. It is made out of sweetpotato, wheat flour, fish and malunggay. The green noodle is comparable to its commercial counterpart. Fish and vegetable-enriched rootcrop grains was also another product developed. Incorporation of fish and malunggay enhanced the quality of the product.

The improved and developed fishery and fish-based food products were acceptable by sensory panelists and consumers.

### ***Production of Probiotic Products from Rootcrops (focus on fermented taro such as yoghurt and poi)***

In the modification and improvement of the quality of the taro yoghurt, a comparison of Anchor (low-fat powdered milk and skim milk) was made to determine a more suitable milk-base for taro yoghurt.

Physico-chemical analyses revealed that taro yoghurt using skim milk was comparable to taro yoghurt using Anchor in terms of pH, % TTA, and TSS.

A higher microbial count was observed in taro yoghurt with skim milk at  $6.9 \times 10^9$  compared to  $5.3 \times 10^9$  for taro yoghurt with Anchor.

Sensory evaluation of 30 panelists revealed that taro yoghurt with Anchor and with skim milk had no significant difference in terms of their color, sourness, sweetness, texture, flavor, including the general acceptability from “like moderately” to “like very much.”

### ***Utilization of Solid Mass Waste from Dessert Wine Processing for the Production of Some Selected Food Products and Organic Fertilizers***

Solid mass wastes from wine production were utilized into cupcakes at 12% (w/w) level of



incorporation. The sensory evaluation revealed that cupcakes with 12.0% Tarroz biomass was significantly better than cupcakes with 21.0% Tarroz biomass incorporation in terms of color, aroma, texture, flavor and aftertaste. The general acceptability was also higher in the former at 6.63 compared to the latter with 5.17 acceptability.

The process of making cupcakes using solid mass waste from dessert wine needs further improvement for optimum product quality in terms of sensory characteristics and acceptability.

## POST PRODUCTION

### ***Evaluation of Antidiabetic and Antihypertensive Properties of PRP 1 from purple yam (*Dioscorea alata* L.) and of manunggal (*Samadera indica* Gaertn)***

Yam tubers were processed for the extraction of PRP-1 and the purified protein was used for *in vivo* assay. In the case of manunggal, fresh (F) and dried (D) samples were prepared from stems (S), leaves (L), bark (B) and roots (R). These were extracted using the three extractants, namely: water, buffer and ethanol-water.

Purified PRP-1 and manunggal extracts were biologically active by stimulating proliferation of bone marrow cells and spleen cells. The antioxidant activity of purified PRP-1 and manunggal extracts was demonstrated using a DPPH radical scavenging assay with Trolox (6-hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid) as standard. Antioxidant activity was higher when manunggal samples were extracted from more fresh than dried samples.

Results of the first *in vivo* trial showed that treatment of diabetic mice with increasing doses of PRP-1 and fresh manunggal extracts increased the percentage of glycemic change

from 8.37% to 16.35% and 10.19% to 27.32%, respectively. The reduction in blood glucose level was comparable with that observed using insulin (positive control). Untreated (negative control) animals remained diabetic during the *in vivo* experiment. The antidiabetic assay of dried manunggal extracts is in progress.

## PROCESSING MACHINES

### ***Fabrication of the Existing Cassava Grates Processing System, Scaling-up the Dryer and the Commercial-scale Production of Dried Grates and Flour in Bohol***

Cassava grates and flour processing system consisting of cassava root washer, cassava grater, cassava grates spinner, cassava grates pulverizer, rotary drum dryer and cassava flour mill were developed. Except for the rotary drum dryer, these machines were fabricated based on the existing machines with some modifications to improve the performance and utility safety by using stainless steel materials in all the machine parts. The furnace of the dryer was made using a thicker steel plate than the previous designs for stronger machines. The rotary was scaled from 10 kg/hr to 25 kg/hr, the required capacity of the cooperator.

### ***Development of a Twining Machine for the Production of 1 mm Diameter Abaca Twine***

Kinematics of the machine twining system was done through review and analysis of existing traditional and improved twining machines and devices.

Design concept was developed through combinations of computer programs and engineering graphics. Detailed designs were also done on the different specific machine mechanisms and components. These were fabricated at the NARC fabrication shop and from other fabricating shops in Baybay City and



Cebu. The prototype machine was completed after all the different components were assembled and its size is 60 inches long 27 inches wide and 31 inches high. Preliminary testing of the machine system was done without load at the speed of 600 RPM and the spool shaft gave way and broke. The shaft was replaced with a bigger shafting and the speed of the twisting component was reduced to about 300 RPM and the weight of the spool and its frame was reduced by cutting holes through them to reduce air resistance.

After the improvement of the malfunctioning part, another pre-testing was done with the multi-stranded yarns in the spools. Preliminary testing showed that a 1 mm diameter twine could be produced by the machine, however, other important mechanical parts still need to be modified and improved to be able to accommodate production of different sizes of twines.

## MARKET RESEARCH

### ***Market Research and Pre-feasibility of Taro Wine***

Taro wine can be marketed with at least two different alcohol contents: 6-7% as sweet wine and 10% and can be promoted differently using different bottles and image because both are health drinks for women and men. The relatively low scores of wine, which had not undergone aging process, in terms of aroma, color and texture suggests that the quality of wine can possibly be improved upon aging which was detected by the panelists.

With payback period of 2.7 years and IRR of 17.0% is suggestive of a feasible operation. The data used in laboratory scale production implies that there is a big room for improvement in terms of efficiency of the supply chain which could significantly affect the cost of production.

### ***Market Research and Feasibility Analyses of Cassava Grates and Flour and Cassava-based Food Products and Technologies in Bohol***

Value chain analysis revealed that 96.2% of fresh cassava tubers in Bohol was directly marketed to PhilStarch and the remaining harvest was shared by wet market, whole-salers, final consumers, neighbors and walk-in clienteles. The average cost of production was P1.19 per kg and the average farm gate price was P2.22, so the average income of the farmers was P2,899.294 per cropping or 88.26% behind the ideal income of P24,700.00.

Cassava had the highest selling price of P13.5/kg, grates at P12.96/kg and starch at P12.50/kg compared to the P2.22 per kg farm gate price of the tubers.

Grates and flour if introduced in Bohol would be acceptable because buyers were willing to substitute 36% of their current consumption with the new product.

## SOCIAL SCIENCES

### ***Agrarian Community Connectivity and Economic Support Services (ARCESS) Needs and Design Assessment Analysis - District 1 Leyte***

A DAR-funded project anchored on Agrarian Reform Beneficiary Organizations (ARBOs) with the following aims: to validate the biophysical and socioeconomic conditions of agrarian reform communities (ARCs), to identify technology and other informational needs of the ARBs and ARBOs, to assess the feasibility of proposed business enterprises and management capacities, and to recommend interventions to strengthen the business management skills of ARBs and ARBOs. Based on survey findings and FGDs, building farmers' capacity and competitiveness



to produce and market vegetables is central to successful agribusiness engagement. This can be done through production clustering and programming linked with market requirements, training programs and study missions to introduce production and postharvest technologies, establishment of a simple packhouse in each ARC, establishment of a strategically located Central Distribution Center (CDC) which receives and processes farmers' produce prior to distribution to pre-arranged markets, provision of credit facility for needed inputs, re-governing the market by educating farmer-producers, a paradigm shift from an atomistic type to a template of coordination along the supply/value chain, introduction of appropriate supply/value chain governance mechanism, managing price at all stages of the managed vegetable supply chain, conduct of entrepreneurship, business planning and value formation seminars supportive of the new enclave of organizational paradigm.

### ***Participatory Design and Implementation of Communication Strategies for the Promotion of Organic Production Technologies for Rice in Eastern Visayas***

The first phase of this CHED-funded project aimed to determine the information needs (knowledge, attitude and practice) on organic rice production strategies/technologies among selected rice farmers in Region 8. Results of the study showed that:

- A great majority of the respondents used inorganic inputs (inorganic fertilizers and chemical pesticides) for rice production.
- Almost all of them had already heard about organic farming, and many of them had positive perceptions about it.
- A great majority also had positive attitude towards organic farming and had high level of intention to use organic farming technologies or strategies for rice.

- However, only very few of the respondents believed that they are capable of using organic production technologies for rice at present because organic farming is difficult and time consuming. It cannot give immediate benefits to farmers who lack the knowledge and skills to engage in organic farming.

### ***Economics of Vegetable Production Under Protected Cropping Structures in Eastern Visayas, Philippines***

Investment in protected cropping structures for vegetables is economically feasible in Eastern Visayas especially for skilled growers who apply appropriate inputs. However, not all crops performed in a superior fashion under structures, so the investment in structures will only have potential if high performing crops such as sweet pepper and ampalaya are chosen. These crops gave above average return in both within structures and in the open field but they performed relatively better within structures.

Since there is little history of protected cropping structures in Eastern Visayas, farmers were quite unfamiliar with the management techniques required to maximize return. Based on the regression results of the study, a 10% increase in the management ability would give an increase returns by 10%, which is equivalent to 33.0% increase in net present value (NPV) of the investment or a PhP10,000.00 return for a 200 sq m structure (given the NPV of PhP30,000). This result showed a strong indication of the importance of farmers' training.

All farmer cooperators in the project had individual control over activities undertaken within the structure. Some efforts outside the project involved responsibility by farmer groups, rather than individuals, and some failed because of the difficulty in the sharing of responsibilities and rewards.



With the dearth of empirical knowledge on the technical as well as the economic feasibility of low-cost protected vegetable cropping systems in Leyte and Southern Leyte provinces and the Philippines in general, the findings of this study can contribute to the existing pool of scientific knowledge about protected vegetable cultivation under the Philippine setting, may be used for further field verification in other areas and for possible dissemination to researchers and potential adopters, and can serve as possible input to craft-related research policy actions and recommendations related to climate proofing strategies.

### ***Reaching out to Rootcrop Farmers Through the Development of Multimedia Materials***

The rootcrop production multimedia CDs developed were used as materials in rootcrop production trainings wherein the participants were highly motivated during the lecture because audio-video presentations hasten the learning process. Ten (10) multimedia materials were distributed in 2012 mostly to the Department of Agriculture. It prepared and uploaded 25 news articles to the Philrootcrops website as well as assisted the Development Communication students in their requirements in news articles, video production/documentation of technologies, and publications and other reading materials.

## **SIGNIFICANT RESULTS OF COMPLETED RESEARCHES**

### ***Sustaining Local Management of Coastal Resources in Southeastern Camotes Sea and Selected Municipalities of Leyte***

The status of resources in established sanctuaries fluctuated through time due to natural and human induced factors. The variations were buffered by the protection afforded to the sanctuaries. Among the natural induced reasons include the *El Niño* phenomenon, substrate type of the area and seasonality of the organisms. Human induced activities include illegal poaching. The marine resources were generally observed to be more abundant and diverse inside than outside the sanctuaries, which indicates the positive effect of protected areas. The physico-chemical factors were relatively similar to average normal seawater conditions with site specific variations. Marine sanctuaries had generally enhanced the marine resources at the three islands through the years. Sustainability of the marine resources could be attributed to the amount of effort,

cooperation and support given by the stakeholders.

The coastal water in the vicinity of Pulp Specialties Philippines, Inc. at sitio Magbangon, Tinag-an, Albueria, Leyte was assessed to determine the water quality and abundance of selected flora and fauna. Water quality analyses showed that the coastal waters at Magbangon, Albueria, Leyte is still within acceptable quality for a marine aquatic system. However, the low DO and BOD values of coastal water taken 100m south from the PSPI outfall may indicate concern for the fisherfolks in the area. The reef appeared to be thriving but its live coral cover (37.50%) just qualified it to the fair category. The mean total cover of seagrasses and seaweeds in transect I was only 0.21% cover which is considered as a very poor condition (<6.25%) while a 12.01% cover was observed in transect II which was categorized as a fair condition (12.5%).



***Relationship Between Different Levels of Biozome-200 Incorporated with NPK Fertilizers on the Growth and Yield and Color Development of Purple Yam Tubers and LSU Purple Sweetpotato in Acid, Calcareous and Neutral Soils***

Results showed that the application of higher levels of macro and micronutrient fertilizers significantly affect the growth and yield of purple yam. Highest net income was obtained in the combination of 150-50-150 kg/ha N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O + 8 kgs Biozome-200 with a net income of P185,685.71 per hectare.

In the case of sweetpotato, the highest yield of 21.8t/ha was obtained with the addition of 145-45-45 kg/ha N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O + 8 kgs Biozome-200 with a net income of P114,409.00.

Macro and micronutrient biofortification enhanced the intensity of purple coloration and anthocyanin contents of purple yam and sweetpotato and the effect is more pronounced in acid soil. It also improved the chemical properties of the soils where the crops were planted.

***Supply Chain Improvement for Jackfruit in Eastern Visayas: An Evaluation Research***

The key informant survey (KIS) data from the three (3) major jackfruit-producing provinces in Eastern Visayas were analyzed using a channel-master model framework to develop a supply chain map and assessed the overall profitability and efficiency of the jackfruit industry supply chain.

Results showed that there were 23 assembler-traders that lead the jackfruit supply chains in Eastern Visayas: 15 for green and 8 for ripe jackfruits. Detailed supply chain mapping revealed a lingering shortage of both the green and ripe jackfruit supply in Eastern Visayas while

Northern Leyte is the major supply point for both the green and the ripe jackfruits. Tacloban City and Catarman are the demand centers for ripe jackfruit while Northern Samar is the demand center for green jackfruit.

Both the green and the ripe jackfruit supply chains involved 2-3 market intermediaries operating under a “seller’s market” environment and that excess demand was estimated to be about 58 percent of current supply traded across chains. Asymmetry in transmitting essential market information was more pronounced at the downstream nodes. Chain performance analysis revealed an overall efficiency rating between 50 percent and 60 percent and that high transaction cost at the traders’ node was the major source of inefficiency. About 50% of the overall cost was spent by the traders in both green and ripe jackfruit supply chains.

Return above labor and other inputs were generally low in Samar and the ripe jackfruit cultivation was also a net-loss-generating enterprise in these areas. While positive profit/surplus was generated across supply chains, high inefficiency rating indicates a wider potential for chain improvement. Hence, it is imperative to strengthen extension support, through the RBOs, to build-up production base for good quality jackfruit to cope with the expanding local and export market demand. Moreover, standardizing post-harvest handling practices of ripe jackfruit should be actively pursued across chain actors in order to curb the increasing shrinkage losses at the downstream end of the chain of completed and ongoing researches.

***Biodiversity (=Taxonomy) and Potentials of Marine Algae in Northeastern Leyte Island, Region VIII***

A biodiverse composition (102 species) of marine algae was found in the Northeastern part of Leyte. This includes the following: Class Chlorophyceae or Green Algae with 21 genera



and 40 species; Phaeophyceae or Brown Algae with 10 genera and 23 species; and Rhodophyceae or red algae with 28 genera and 39 species. Of these species, the following were edible/sea vegetables species: greens – *Caulerpa racemosa* and *C. laete-virens*; brown – 3-4 species of *Sargassum*; and reds – 2-3 species of *Gracilaria*, *Gelidiella acerosa*, and *Hypnea charoides*.

The food potentials of marine algae are not well known among fisherfolks except *Caulerpa racemosa* (lato), *Euchema kappaphycus* (guso). Incidentally, of the three (3) dozen species of sea vegetables eaten by Ilokans from Cagayan and Ilocos Norte, about one (1) dozen was found in Biliran.

### ***On-farm Evaluation of VSU Makapuno Hybrids (Phase I)***

Monitoring of growth and development of three (3) VSU makapuno hybrids planted in three (3) different agro-climatic conditions in Eastern Visayas was conducted. Trunks started to develop in most palms in Ormoc City and in some palms in Babatngon, Samar while palms in Baybay City site did not produce trunks yet.

Flowering of palms was first recorded in VMAC2 and VMAC5 planted in Ormoc City site wherein six (6) VMAC2 and two (2) VMAC5 palms had flowered. In Babatngon site, one (1) VMAC3 flowered 52 months after planting while one (1) VMAC5 flowered at 41 months after planting in the Baybay City site.

Harvesting of seven (7) makapuno nuts in Ormoc City site was done in November 2012.

## **EXTENSION**

### **TECHNICAL ASSISTANCE**

- **DAS** – provided technical assistance as subject-matter specialists during trainings on livestock production; provided assistance to LGU-Baybay City in the development of “livestock projects” (swine production, goat production and feed mill operation); acted as resource persons during trainings on livestock production; provided technical assistance to private livestock and poultry raisers on livestock and poultry production and management techniques.
- **DDC** – provided training and technical assistance on development Communication in support to RDE programs to faculty, students, and staff of various academic institutions and government agencies in Region 8 and neighboring places.
- **DOH** – forged multidisciplinary outreach through technical backstopping and acted as resource persons during seminars/trainings
- **DPM** – offered technical assistance by faculty as subject-matter specialists, pest diagnosis, field visits/online consultations, actual pest identification and water analysis services to different clients.
- **DBS** – provided technical assistance for LGUs in the assessment of marine resources and establishment of marine sanctuaries in the different municipalities of Leyte, Southern Leyte and Biliran provinces.
- **DLABS** – provided technical assistance as resource persons in trainings, seminars, conferences in their field of specialization.
- **DCDE** – provided technical assistance in container gardening of vegetables and some ornamentals for the members of the *Green the Home Project Association* of Golden Village and Riverside areas of Brgy. Guadalupe, Baybay City, Leyte.
- **Department of Forest Science (DFS)** – acted as facilitators during the project orientation to the different beneficiaries and



stakeholders, farmer associations, municipal and barangay LGUs of Silago, Southern Leyte, and other government agencies.

- **Institute of Technology and Environmental Management (ITEEM)** – provided technical assistance in the establishment of rainforestation (RF) farms and nurseries; assisted the LGU partners in the marine sanctuary resource assessment and monitoring in Hinundayan, Southern Leyte and in Maripipi, Biliran; facilitated the meeting of the Technical Working Group (TWG) of the Integrated Municipal Fisheries and Aquatic Resources Management Councils (IMFARMC) in the different coastal municipalities of the 5<sup>th</sup> District of Leyte.
- **Institute of Environmental Governance (IEG)** – provided technical support for LGU-Isabel on watershed rehabilitation, environmental and natural resources management; provided free consultations for farmers and POs and gave lectures and seminars in forestry and environment; assisted in the establishment of nurseries, mangrove sanctuaries and protection of the forest in the municipality of Isabel, Leyte; assisted in the preparation of build-up local mechanisms for environment and natural resources management and protection.
- **Innovation and Technology Support Office (ITSO)** – provided technical assistance to VSU faculty, staff, and students through promoting awareness of the importance of intellectual property rights (IPR) and protection; and served as resource persons on innovations and technologies in different state colleges and universities.
- **PhilRootcrops** – provided technical assistance to Normal Holdings Development Corporation in Palawan and Leyte (Isabel and San Isidro, Northwestern Leyte); technical assistance of farmers to come up with stable supply of cassava raw materials for the cassava grates processing assembly of the GK in Manlico; technical expertise for project development on the supply base for cassava and yam for export; facilitated the expansion of nurseries in San Pablo, Sta. Elena and Sta. Catalina for the production of cassava leaves for export; helped in the public-private partnership framework for a more sustainable project operations; technical assistance on the following: cassava production and nursery establishment, sweetpotato area suitability assessment, establishment of LGU-based nurseries, and needs assessment of cassava production and chips processing; experts dispatch/on-call for monitoring (pests and diseases); served as resource speakers on trainings and information campaigns.
- **NARC** – provided technical assistance to abaca farmers in the different barangays of Baybay City, Leyte regarding disease identification and management; assistance to the women and housewives on handicraft-making; promoted disease-free tissue cultured abaca planting materials to abaca farmers, people's organizations, businessmen and LGUs; technical briefings on abaca production, post harvest processing and utilization to the different walk-in visitors of the Center.
- **NCRC-V** – provided technical assistance in the establishment and management of coconut nursery and plantation as well as in the management of pests and diseases in coconut production; technical assistance in the promotion and marketing linkages of coconut-based food products; technical assistance to small coconut farmers and other target clientele in the form of trainings, lectures/briefings on cost-effective and improved farming and products/by-products processing on the establishment of coconut plantation; assistance to interested farmers who desire to construct a palay dryer fueled with coconut shell charcoal;
- **VSU Isabel** – provided technical assistance to farmers in mango and cassava production; support to LGU, PO, NGO, GA, and industries in organic farming; provided support for the production and marketing of organic farm products



## HIGHLIGHTS OF EXTENSION PROJECTS

***Training and Technical Assistance on Development Communication in Support to RDE Programs.*** In collaboration with other units of VSU and other universities and agencies in the Visayas, the project facilitated the conduct of five (5) training-workshops on writing and reviewing scientific papers for publication in refereed journals, two (2) training-workshops related to writing research reports, and three (3) training-workshops on Campus Journalism for the student writers and publication advisers of VSU Villaba campus, the College of Maasin, and the student writers of the Amaranth.

***DBP Forest Project for Isabel Upland Watershed and Mangrove Rehabilitation.*** The project was able to reforest 160 hectares in the upland site and 40 hectares in the mangrove area. It generated source of livelihood for the coastal and upland communities through seedling production and employment in the reforestation project. Guidelines on tree cutting and harvesting were formulated.

### SIGNIFICANT RESULTS OF COMPLETED EXTENSION PROJECT

#### ***Sustaining Local Management of Coastal Resources in Southeastern Camotes Sea and Selected Municipalities of Leyte***

The coastal resources management (CRM) had enhanced the conservation and development of the coastal resources in the Fifth District of Leyte, Maripipi, Biliran and Sabang, Hinundayan, Southern Leyte. Although results showed modest improvement of the resources, many things are yet to be done. Support, sharing of resources, and close cooperation of VSU, LGUs and NGOs largely contributed to the successful implementation and sustaining the management of coastal resources.

Participatory planning workshops were done involving POs, LGUs, IMCFARMC, PNP, CG, LEAG, ITE, ODEX, DA-Fisheries sector, VSU and CCEF (Coastal Conservation and Education Foundation) to assess the accomplishments of the CRM project. The CRM also identified problems and issues pertaining to coastal resources that still need to be addressed and identified the persons/agencies responsible to carry-out the different activities. The stakeholders were encouraged to participate in the development of plans and formulation of policies to ensure high level of support, cooperation and compliance.

In relation to coastal law enforcement, the Bantay Dagat/Fish Wardens and the members of IMCFARMC were reorganized and all potential members underwent paralegal trainings. VSU, LEAG, PNP, CG, DENR and DA fishery officials were tapped as resource persons. The DENR-DILG-LGU of Baybay City had signed a MOA on the partnership in the management of natural resources. The MOA signing on Co-Management of Mangrove and Foreshore Area of the 5<sup>th</sup> District of Leyte was participated in by the different line agencies in the region.

On Participatory Coastal Fishery and Resource Assessment (PCFRA), the fisherfolks were trained on the basic methods of resource monitoring of fishes, corals, seaweeds/seagrasses, and mangroves because the procedure was very simple. Through this procedure, regular data collection was done and it provided clearer information on the progress of marine sanctuaries. SCUBA trainings were conducted for Baybay LGU personnel who were involved in resource monitoring as well as on the selected members of ICMFARC.

VSU assisted the LGU of Inopacan and the Protected Areas Management Bureau (PAMB) of DENR in the development of ecotourism in Cuatro Islas. A training on mangrove



management in Barangay Palhi was conducted in preparation for the establishment of an ecotourism project in that area. Mangrove nursery was established to grow mangrove seedlings to be used in the rehabilitation and protection of coastal areas which is also a part of the adaptation and mitigation activities.

Technical assistance was also provided to LGUs in the assessment of marine resources and establishment of marine sanctuaries. Requests from Maripipi, Biliran and Sabang, Hinundayan, Southern Leyte were accommodated. The marine sanctuaries at Maripipi and Sabang had improved the abundance of marine resources. Water quality, flora and fauna at Lake Bito, rivers and coastal area of McArthur, Leyte were assessed in response to the request of LGU as a requirement for the magnetite mining in the area. The fishkill at Lake Bito, McArthur was also investigated in April and May 2012. Data were presented during the meetings with barangay residents of the lake and other stakeholders.

## LEAFLETS DESIGNED AND PRODUCED THROUGH THE ONE-STOP-INFORMATION SHOP (OSIS)

The following leaflets were designed and produced through OSIS at TechnoMart:

- Abaca Bunchy Top Virus
- Abaca Fiber Yarned Products
- Abaca Power Stripper
- Abaca Tissue Cultured Plantlets
- Aquaponics
- Binagol in a Jar
- Binagol-filled Molded Chocolate
- Camote Ketsap
- Carabao's Milk Mocha Flavor
- Cardava Tissue Cultured Plantlets
- Cassava as Feeds
- Coco Fresh (Cebuano Version)
- Coconut Red Wine
- Diversified Integrated Farming
- Establishing A Tree Nursery

- Fiber Utility Box
- Fish-Vegie Crunch
- Giya sa Mga Sakit Bahin sa Abaka
- Ice Creaam Bar
- Ketsap nga Patatas
- Makapuno Balls
- Makapuno Biscotti (Cebuano)
- MaKAPUNO Macaroons (Cebuano)
- Nangka Juice
- Pastillas de Leche
- Pineapple-Malunggay Tart
- Plant Power Shredder
- Production of Butterflies for Special Occasions
- Ready- to-Eat Cassava Chippy
- Sweaweed Achara
- Sweet Potato Pickles
- Sweet Potato Wine
- Sweet Potato Yogurt
- Takudo Strips
- Tarroz
- Ube Tart
- Umbak and Fiber Bags
- Umbak Fiber Vase
- Vegetable-Fish Noodles
- Village Level Abaca Twining Machine
- Village Level Abaca Twisting Machine

## TECHNOLOGY PROFILES/ BRIEFS PRODUCED & DISSEMINATED

- Cassava Chippy Processing
- Tissue Cultured Abaca
- Abaca Power Stripper
- Sweet Potato Pickles
- VMAC1 Makapuno Hybrid.NSIC 2008 Co27
- VMAC2 Makapuno Hybrid.NSIC 2008 Co28
- VMAC5 Makapuno Hybrid.NSIC 2008 Co29
- Dehydrated Jackfruit
- Vacuum Fried Jackfruit
- Fermented Rock Oyster
- Protected Vegetable Cropping System
- Communal Vegetable Production Under Protected Cropping System



- Community-based Forest Restoration and Biodiversity Protection and Management of Lowland Dipterocarp Forests in Silago, Southern Leyte
- Job Abuyabor (Magsasakang Siyentista)
- Development of cost effective protected vegetable cropping system in the Southern Philippines
- ViCARP-RRDEN TechnoMart and Pasalubong Counter

## TECHNOLOGY PROMOTION

### ***Garden Show/Exhibits***

Aside from maintaining a stationary exhibit at the ODREx building, the following centers of the VSU Main Campus participated in garden shows, agro-fairs, BAHANDI 2012 Regional Trade Fair, and exhibits sponsored by CHED, DOST, VSU, PCA, DTI Reg. 8, RuMEPP, IFAD, and LGUs/City Governments of Ormoc and Baybay: **NARC** - 4 agro-fairs and exhibits; **PhilRootcrops** - 5 exhibits/technology participated/coordinated; **NCRC** - 10 exhibits/technologies coordinated.

### ***Distribution of Reading and Communication Materials***

The following centers of the VSU Main Campus produced and distributed handouts, brochures, leaflets, technoguides, CDs, to farmers, housewives and other clientele for free or at minimal cost: **NARC** - 900 IEC materials on: *Ang Hustong Pang Abakahan*, Abaca Technoguide, NARC RDE, Major Pests of Abaca and their Management, English, Tagalog and Cebuano versions of Leaflets on Abaca Bunchy Top Virus (ABTV), Leaflets on the Abaca Power Stripper Manual, and NARC Newsletter; **NCRC-V** - *Mag-abono kita sa Atong Lubi*, How to Construct the Semi-Direct Type Dryer, Coconut Shell Charcoal Production Using the Improved Pit Method, Cultural Management Practices for Perennial Fruit Trees, Cultural Management Practices for Coconut, Coconut Intercrop - Ginger, Coconut Intercrop

- Black Pepper, Coconut Intercrop - Ampalaya, and Coconut Intercrop - Pineapple, National Coconut Research Center - Visayas (pamphlet), and National Coconut Research Center - Visayas (flyer); **PhilRootcrops** - 507 handouts, 7 technoguides, 204 CDs, 10 multimedia materials.

### ***Distribution of Planting Materials***

Different kinds of planting materials such as seeds, seedpieces, cuttings, plantlets were produced and distributed for free or at minimal cost to various clientele by the following departments and centers: **DASS** - 12,216.50 kg rice seeds (Registered Seeds - 11,239.10 kg and Good Seeds - 977.40 kg), 530.0 kg corn seeds, 25.0 kg peanuts, and 68.4 kg mungbean; **DPM** - 1,068 spawns and 100 fruiting bags and distributed free planting materials and specimens of botanicals for scientific studies; **PhilRootcrops** - 92,190 cuttings of sweetpotato, 84,170 cuttings of cassava, 500 setts of taro and 877 kgs of ubi; **NCRC-V** - 12,307 coconut seedlings/seednuts, 544 makapuno hybrid seedlings, rooted blackpepper cuttings, pineapple suckers and cooking banana; **NARC** - 1,279 and 1,670 disease-free tissue-cultured abaca and banana plantlets, respectively; and **ITEEM** - 1,155 tree seedlings.

### ***Demonstration Farms/Nurseries/Techno-Demo Farms***

The different centers of the VSU Main Campus showcased technologies through the following:

- **Techno-demo trials in Culion** – showcased the nursery of different cassava varieties
- **NARC Demo Farm in Waterwheel Area** – maintained 29 accessions and 4 hybrids of abaca and tissue samples of these accessions were sent to BIOTECH, UPLB for detection of ABTV, AMV and ABMV.
- **VSU FORI Demo Farm** – served as model for the cross visit of those who were adopting rainforestation (RF) technology.



- **Demo Farm on Integrated Makapuno Farming** – established in DA RFU 8 Sheep Center in Caray-caray, San Miguel, Leyte showing the NSIC-registered makapuno hybrids.
- **NCRC Techno-demo Facilities** – demonstrated techniques on copra drying and charcoal making
- **NCRC Demo Nursery** – showcased the tall and dwarf coconut seedlings

## 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 that were submitted by students, researchers, farmers, businessmen, private firms, individuals, and non-government organizations. During the year, **SRTPAL** conducted 1,226 analysis: soil pH - 423, Organic Matter - 225, Nitrogen - 254, Phosphorus - 204, Particle size analysis - 2, Cation Exchange Capacity - 65, Bd - 20, and Moisture Content - 33, while **CASL** conducted 4,765 analysis consisting of Water - 240, Plant Tissue - 1,243, Soil - 2,958, and Organic Analysis - 324.



## COMMERCIALIZATION OF TECHNOLOGIES

NARC fabricated and sold 5 units of processing machines: 3 plant power shredders, 1 twisting machine, and 1 unit stripping machine to an abaca farmer/entrepreneur, Sogod II Cooperative, Puerto Princesa, Palawan, and DAS-VSU. The Center also produced and sold 2,949 tissue-cultured plantlets of abaca and banana (cardava and lakatan) with 1,279 and 1,670 tissue-cultured plantlets, respectively, to students, researchers, farmers, and private individuals from Matalom, Hilongos, Isabel, Albura, Kananga, and Palo, all in the province of Leyte and different towns of Southern Leyte – San Juan, Sogod and Maasin City.

NCRC-V produced and sold 544 VSU makapuno hybrid seedlings to farmers/entrepreneurs.

## TRAININGS & WORKSHOPS CONDUCTED

The colleges/departments, centers, and offices of the University System conducted different capability-building seminars, livelihood trainings, orientations, and forums (Table 11).



(Left) Skills training on tissue culture; (right) Briefings on abaca technologies to NARC walk-in visitors

**Table 11.** Trainings conducted and services rendered by department/college/center in CY 2012.

DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Department of Pest Management (DPM)	Mushroom Production Training; Mushroom Culture; Season- long Training on Rice-Based Farming; Hydroponics and Pest Management; Training of Trainers for FFS Facilitators (Organic Vegetables) – Botanical Pesticides and Pest Management in Vegetables; Training on Organic Agriculture – Ecological Pest Management; & Briefed visitors of the museum, butterfly garden and botanical garden.	Farmers, Agricultural Technician, students, pupils, teachers	5,372
Department of Animal Science (DAS)	Training on Organic Production; training on Organic Agriculture; Native Chicken Production; Training on Season-long Training on Rice-Based Farming System; and Enhanced the ostrich and other poultry projects of VSU.	Agric extension agents, farmer leaders, farmers, elementary pupils, high school and college students, teachers, faculty SB & LGU officials	1,359
Department of Horticulture (DOH)	Training of Trainers for Farmer-Field-School Facilitators on Organic Vegetable Production; Skills Enhancement in Horticultural Crop Science and Technology; Short Course on Vegetable Production and Postharvest Management; Training of Trainers (TOT) on Coffee Production; Vegetable production project management; Growing cole crops under protected cropping; Training of trainers on upland vegetable production; Training of Trainers on Organic Vegetable Production; Training of Trainers on Mango Production Technology; Training of Trainers on Sustainable Cacao Production; Composting & Care of Tissue-cultured Orchids; Propagation & Care of Indoor Plants; Production of Cutflowers & Foliage Plants; Care & Mgt of Landscaping Plants; Composting, Care & Mgt. of Vanda & Phalaenopsis; BOF Production & Mgt. & Care of Ornamentals; Care & Mgt. of Indoor Plants; Indoor & Landscaping Plants; Propagation, Care & Mgt. of Ornamentals; Ferns & Orchid Culture; Propagation of Indoor Plants; Training for the Enhancement of Farmers' Capability in Protected Vegetable Production; Lecture demo on aggregate farming; Training on Container Gardening & Asexual Propagation of Fruit Trees; Training on Organic Agriculture for a healthier and more sustainable farming; and Training on Organic Agriculture.	Agricultural technical officers ,SUC faculty & administrators, DA, DAR, OPA, EDC technical officers, MS/ PhD students, PMPC-EDC key farmers, Future trainers from Carigara, Villaba, Hilongos, Tabango, Matag-ob, Leyte; farmers, housewives, Technical officers, farmers, farmer leaders, municipal extension agents, other stakeholders in Sta. Rita, Samar; staff of NGOs and SUCs in the province of Eastern Samar	586



DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Department of Food Science & Technology (DFST)	Training on Chevon Ham and Bacon Processing; Processing of Jackfruit Marmalade During the Jackfruit Fiesta; Processing of Jackfruit Marmalade with Rags and Flavored Pastillas During the Livelihood Caravan –88 <sup>th</sup> Founding Anniversary of VSU; Training on Dehydrated Jackfruit Processing; Processing of Dehydrated Jackfruit; Current Good Manufacturing Practices; Obios Feeding Program; Training on Takudo Processing; Training on Processing of High Value Vegetables and Fruit Processing Skills Training; Training on SSOP; Training on Pop Rice Processing; Training on Product Packaging and Labelling; Training on Mushroom Processing; Training on Meat Processing; Training on Processing of Food Products from Meat, Fruits and Vegetables; Training on Dairy Product Processing; Upgrading of Suman Formulation; DTI-RuMEPP Training; Training on Nipa Fruit and Sap Processing; and Training on Food Product Processing.	Housewives, farmers, food processors	657
Department of Development Communication (DDC)	Advanced analytical methods for scaling up; Interviewer training; Training on survey data analysis; Training on interviewing procedures; Training on interviewing procedures & data processing; Training-workshop on Basic Campus Journalism; Orientation seminar on Binaybayon festival; Training-Workshop on Writing & Reviewing Research Articles for Peer-Reviewed Publications; Basic Campus Journalism Seminar-workshop; Training-Workshop on Writing Research Articles for Peer-Reviewed Publications; Training-Workshop on Writing and Reviewing Research Articles for Peer-Reviewed Publications; Orientation Workshop on Writing and Reviewing Research Articles for Peer-Reviewed Publications; Orientation Seminar on How to Organize a Beauty Pageant and Cultural Presentation; Workshop on Campus Journalism; Regional Tertiary Schools Press Conference; Photojournalism workshop as part of the Tertiary Schools Press Conference; Training-workshop on report writing and editing for College of Maasin and SLSU-CHED GIA Implementers; Training-workshop on News and Feature Writing (for extension communicators of VSU); Annual Culture and the Arts Center Visual Arts Workshop at VSU and Inopacan; Writeshop on Result Evaluation of Training of Trainers on Palay check system; and conducted a Refresher Course on IPM Corn (resource person for the Topic on Overview on the use of folk media for information dissemination).	Researchers, Field interviewers, Adviser and student writers of the student publication, Participants and coordinators of the Binaybayon festival, Faculty researchers from VSU and other SCUs in Regions 8, 7 & CARAGA, Student writers of campus paper, Faculty researchers of SLSU/ NSU/EVSU, LGU officials, Advisers and student writers of campus papers in SCUs of Region 8, Faculty, staff and students of VSU; other art enthusiast in VSU, Baybay and Inopacan; Extension communicators of VSU, Agricultural technicians from DA involved in IPM on corn; Training specialists of ATI (from the different regions of the Phil)	536



DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Department of Liberal Arts & Behavioral Sciences (DLABS)	Workshop-Conference on Philosophical Foundations of Education; Intellectual Property Seminar for Universities and Research and Development Institutions; Basics of Children's Right; Facilitated the distribution of books donated by the World Anti-Crime and Child Abuse Agency (WACCA) and the Children International	Students, Graduate School Faculty, researchers	170
Department of Pure & Applied Chemistry (DoPAC)	Mitigating climate change through organic agriculture; Summer Internship Program of Phil Science High School students; Water analysis of newly constructed water pumps; Mitigating the Effects of Climate Change on Vegetable Production; Training Course on Statistical Analysis and Report Writing; Seminar on DOLE's Decent Work Agenda in Celebration of NGO 2012; and Participated in the workshop on Expert's advice on publication of census results.	Extension agents & Farmer-leaders of Libagon, NSTP-CWTS Team, Phil Science High School students, Palo, Argao Cebu, Phil Science High School students, Palo, Argao Cebu, Faculty & students of Holy Virgin of Salvacion Foundation College Inc.	380
Department of Math, Physics & Statistics (DMPs)	Training Course on Statistical Analysis and Report Writing; Echo-Seminar; Orientation on the Use of STATA; 8 <sup>th</sup> NVAT Review Class; Statistical Tools for Animal Science Research; Referee, The Philippine Statistician; and served as member of the CHED Technical Committee for Statistics.	Faculty and staff of DAS and selected HEI's, Students, Government Employees, NSO, So. Leyte, LGUs, GOs, NGOs	210
Department of Community Development Education (DCDE)	Micro-Project Planning for Golden Village Gardeners; Livelihood Analysis for Riverside Participants; Training on Seedling Production; Seminar on Hydroponics and Pest Management; Women's Forum/"Kalandrakas" Seminar	Women gardeners, residents of Sitio Riverside, members of Green the Home Asso., participants of the Green the Home Project	91
Department of Business Management (DBM)	Training on Entrepreneurship & Business Planning for Jackfruit Processors; Specialized Training Course on Participatory Action Research (Phase 2) for Local Farmer Technicians; and Training on Value Chain Analysis.	Jackfruit processors, local farmers, technicians	135
Department of Economics (DOE)	Training for the Enhancement of Farmers' Capability in Protected Vegetable Production; Research Proposal Writing on Tourism; Writing and Reviewing Research Papers for Peer Reviewed Publications; Training Course on Technical Report Writing for Publication in Refereed Journal; and Conducted Review Classes for Licensure Examination for Agriculturists/Teachers.	Farmers, researchers, faculty members of NSU, Naval, Biliran & SLSU, Sogod, So. Leyte; board exam-takers	435



DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Institute for Strategic Research and Development Studies (ISRDS)	Seminar on Philippine Agriculture Today: A Frame-work for RDE Investment; Gender Sensitivity Training & Sexual Harassment Orientation for Frontline Service Providers; Trainers' Training on Gender Sensitive Conflict Transformation and Value Chain Development; Skills for LIFE Training for ALS Learners in Nearby Barangays; The Marcos BDCSCs: Barangay Development Planning Workshop; Field Interviewers' Training on the Conduct of Baseline Study and Application of Rigorous Methods of Impact Evaluation: The Case of SIMPLE; Strategic Planning and Budgeting Seminar-Workshop; Leadership & Team Building for Entrepreneurship Dev't. Seminar; Conference with ALS Instructors in Baybay; Orientation on Camote Bio- ethanol Project; Leadership Training for Barangay Leaders; Orientation on Micro-Scale Bio-ethanol Production; Orientation on Micro-Scale Bio-ethanol Production; Orientation on Micro-Scale Bio-ethanol Production; Bioethanol Processing Orientation; and Pre-Investment and Business Planning Workshop.	VSU faculty, staff & students, LGU officials, NGA, NGO, SUC representatives; ALS Instructors & Learners, Barangay LGU officials & BDC members, Field interviewers, GCC officers & members, POs, LGU & DAR reps, PO, LGU of Javier, Palompon, Matalom & DAR Reps	529
Department of Computer Science & Technology (DCST)	Laboratoy Management Training for 2009 iSchools PHS: Cebu, Bohol, Leyte, Southern Leyte, Eastern Samar, Western Samar, Northern Samar; Web Development Training for 2009 iSchools PHS: Cebu, Bohol, Leyte, Southern Leyte, Eastern Samar, Western Samar, Northern Samar; Library Management Training for 2007 iSchools PHS: Cebu, Bohol, Leyte, Southern Leyte, Eastern Samar, Western Samar, Northern Samar; Library Management Training for 2009 iSchools PHS: Cebu, Bohol, Leyte, Southern Leyte, Eastern Samar, Western Samar, Northern Samar; iSchools Project Closeout for 2007 and 2009 iSchools Eastern Visayas Cluster; and Technical ICT services/ assistance to the different offices of the University.	Training Manager, Laboratory Assistants, Facilitators Administrative and Technical Support, Documentors	221



DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Department of Forest Science (DFS)	Training and Cross-Visit on Agroforestry and Plantation Establishment and Maintenance	Farmers, LGUs, technicians	30
Institute of Tropical Ecology & Environmental Management (ITEEM)	Orientation and Training on the Establishment and Maintenance of Native Forest Tree Nursery and Rainforestation Demonstration Areas in PFEN Member SCUs Using Rainforestation Technology; Workshop on Biodiversity and Environmental Conservation; Rainforestation Training and Nursery Establishment; Training-Workshop on Rainforestation and Nursery Enhancement; Training on Rainforestation; Rainforestation Nursery Seedling Production Training; Rainforestation Training and Monitoring for Green Cam Sur Movement; Integrated Coastal Zone Management (ICZM) Planning Workshop; MPA and FARMC Summit; Participatory Coastal Resource Assessment Training-Workshop for Baybay City Coastal Barangays; Workshop Review of Coastal Resources Management Plan for Municipalities of Leyte with Danajon Bank; Province-wide Evaluations; and Search for LGU Coastal Fisheries Resource Management (CFRM) Champions 2012.	Farmers, LGUs, POs, FARCMCs, Bantay Dagat/Fisherfolks, MA/ MAOs, AT-Fisheries, MPA Managers, PNP, MPDC, MFARMC, RHU representatives, CLE Team Leader, SB on Agriculture & Fisheries, Barangay Captains, Fisherfolk Livelihood Association	1,010
Institute of Human Kinetics	Sports Clinic Seminar; Health and Wellness Seminar; Fun Run Seminar; MAPEH/MSEP Seminar; acted as tournament director in the 1 <sup>st</sup> Kulas Cup Football Tournament and 8 <sup>th</sup> Mayor's Cup Tennis Championship; as Race Director in the Baybay Fiesta Fun Run 2012 as Judge in the SLSU University Idol, Lawig/Song Festival, Folk/Pop Dance, TugSayawit, Robotics, Sci-Art, Poster Making; and acted as Stage Director of <i>Kalingawan sa Ubos</i> 2012 and <i>Mugna sa PEHM</i> 2012.	Students, farmers, out-of-school youth, businessmen, coaches, professionals, athletes,	430
Graduate School	Seminar-Workshop on Scientific Writing for Peer-Reviewed Publications; Training-Workshop on Writing and Reviewing Research Articles for Peer-Reviewed Publications; and Orientation Program for the Graduate Students.	Graduate Students and graduate faculty; selected faculty from VSU and other HEIs in the Visayas	210



DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
PhilRootcrops	Training on Cassava Processing and Utilization; National Rootcrop RDE Validation Workshop; Trainers Training on Rootcrop Production, and Utilization; Trainers' Training on the Identification and Management of Cassava Pests and Diseases; National Forum for Potential Industry Users and Stakeholders of the Sweetpotato-Tomato (SPOMATO) Paste; Training on Rootcrop Production, Nursery Establishment and Biofertilizer Production; Orientation Seminar on Micro Bioethanol Production; Training on Cassava Grates/Flour Processing; and Briefing of rootcrop technologies.	Ag. Technicians (ATs), cassava focal persons; participants from SCUs, NRCCTP cooperating stations, PCARRD; ATs of Leyte province; SCU staff, researchers, students, industry reps; farmers, staff from DA & DepEd from N. Samar, Lavezares; RIC coordinators of Region 11; DA-assisted organizations; coop members from Palo Leyte	271
National Abaca Research Center (NARC)	Training on Abaca Post Harvest Processing & Utilization; Hands-On Training in Abaca Handicraft Making; Skills Training on Abaca Bacbac Utilization; Skills Training on Bag Making Using Bacbac and Abaca Fiber; Abaca Disease Identification and Management Training/Abaca Disease Mapping; Hands-On Training on Plant Tissue Culture Techniques, Laboratory Operations, Management and Shoot Tip Culture of Abaca & Banana; Facilitated the signing of MOA on the establishment of three (3) foundation nurseries; and Conducted technical briefings.	Grants Programme staff, People's Organization, NGO staff, abaca farmers and wives, Agricultural Research Assistant	206
National Coconut Research Center (NCRC) - Visayas	Skills Training on Processing Makapuno-Based Food Products; Seminar on Packaging, Labeling and Marketing Assistance; Coconut-based Intercropping System Care and management of different Intercrops	Makapuno/coconut microentrepreneurs processors, farmers	230
VSU-Alangalang Campus	Solid Waste Management Seminar; Ecological Sanitation; Farm Planning & Budgeting for Coconut and Organic Banana; Camote Bio-Ethanol Processing Orientation for Farmer POs in Capoocan, Leyte; Ecotourism and Land Use Planning for Peatland Areas; and Peatland Summit.	Barangay LGUs; Farmer PO in the towns of Jaro, Tunga and Capoocan; residents of Brgys. Langit, Divisoria, Tabangohay, and San Isidro; APFP stakeholders & beneficiaries	294



DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
VSU-Isabel Campus	Seminar on Strategic Performance Management System (SPMS); Risk Reduction/ Disaster Preparedness; Orientation-Seminar on Violence Against Women and Children (R.A. 9262); Anu-ano ang mga benepisyo para sa miyembro ng PhilHealth? "Bawat empleyado, miyembro, bawat miyembro protektado, kalusugan natin sigurado"; Training on Making Work Values Work in the Workplace and Anti-Red Tape Law Affecting Customer Services & Penal Provisions; participated in the Refresher Course on the Guidelines of Performance Evaluation System; and attended the SALN Orientation.	Faculty, staff, students	298
VSU-Tolosa Campus	Skills Training on Fish Drying; Skills Training on Vegetable Noodles; Livelihood Skills Demo to Women's Association; and Training on Smoked Fish Production.	Farmers, housewives, village-level processors, foodstuff dealers, members of Women's Association of Tolosa and Olot Women's Association	140
VSU-Villaba Campus	Coordinated the meeting with the officers and members of Bagong Henerasyon Cagnocot Farmers' Association on the additional requirements for the registration of name of the association; Coordinated and assisted in the selection and voting of the Board of Directors and Chairmen of the Bagong Henerasyon Cagnocot Farmers' Association; General Assembly Meeting of the Officers and Members on: The By-Laws, Rules and Policies of the Association and Requirements for Membership; Planning Workshop on VSU-Villaba Extension Program; Seminar-Workshop on Organic Farming; Assisted in the Emergency Meeting on: Distribution of the Five Meters <i>trapal</i> to the Selected Farmers; and Requisition of the Water Pump and the Multipurpose Pavement from The DA-Region VIII.	Farmers' Association (Bagong Henerasyon Cagnocot Farmers' Association); faculty, students	235



# OFFICE OF THE VICE PRESIDENT FOR PLANNING & RESOURCE GENERATION (OVPPRG)

The **Office of the Vice President for Planning & Resource Generation (OVPPRG)** spearheaded the 2012 Annual Review of the Income Generating Projects (IGP) and the Special Trust Fund (STF) Projects of the University; facilitated the Consultative-Workshops relative to the giving of Performance-Based Bonus, and the Crafting of the University's Table of Major Final Outputs and Success Indicators to support the Strategic Performance Monitoring System (SPMS). Likewise, the office also spearheaded the Workshop on Cascading of Agency Performance Targets, Office Performance Commitment Review (OPCR) and Individual Performance Commitment Review (IPCR) Forms; prepared

and submitted the following documents required by CHED as bases for the 2013 budget of the university: Commission on Higher Education (CHED) Normative Financing – Higher Education Management Information System (HEMIS) Data 2012; State Universities and Colleges (SUC) Levelling Evaluation; and 2012 Physical Performance Targets; facilitated the evaluation of the 2012 Office Performance Commitment Review (OPCR) and Individual Performance Commitment Review (IPCR) Forms of the different units and personnel of the university, respectively; consolidated and published the 2011 Annual Report of the University, in coordination with other offices; collected data for the normative financing,



*Dr. Edgardo E. Tulin, VP for Planning and Resource Generation, discussing EO No. 80 and the status of the cascading of department targets to some VSU key officials and other participants of the workshop (left); Workshop on Cascading of Agency Performance Targets at VSU, Baybay City, Aug. 13-14, 2012 (right).*

accreditation, IQUAME, and other surveys; facilitated the MOA signing between the University and the Couples for Christ (CFC) Youth Conference, and the Ramon Aboitez Foundation Incorporated (RAFI) Micro Finance-Medical Mission. The OVPPRG supervised the following offices:

1. The **Office for Auxiliary Services (OAS)** and the **Income Generating Projects (IGP)** monitored the income generating projects of the VSU Main Campus consisting of Revolving Fund-Income Generating Projects (RF-IGP) and non-RF IGP which registered a total income of ₱28,601,488.13 (Table 12). It submitted the following proposals for action by the Board of Management (BOM): relocating the snack houses in the VSU Market; opening a Money Transfer facility to serve the VSU constituents, especially the students; constructing new Comfort Rooms in VSU Market; reviewing existing MOAs between VSU and other entities related to IGP; creating fact finding/audit team for problematic projects; revising guidelines on the Order of Priorities in awarding a space/stall for rent; and planning the revival of Market (Tabo) day in VSU.
2. The **University Review Center (URC)** organized and conducted review classes for examinees in licensure examinations for agriculturists, foresters, veterinarians, and teachers; conducted performance evaluations of the different review teams and reviewees; developed and produced flyers brochures for the licensure review classes for agriculturists, foresters, veterinarians, and teachers; and generated a gross income of ₱931,000.00 from the registration and review materials.
3. The **VSU Manila Office (VMO)** made representations with the following offices: Department of Budget and Management (DBM) – for the correction of Land Bank of the Philippines (LBP) Account (floating deposit) of the Congressional Initiative of

Cong. Romualdez and Cong. Aglipay for scholarship program and for the correction of the LBP account number of PhilHealth; Department of Environment and Natural Resources (DENR) – request for Special Patent for VSU Tolosa; Commission on Higher Education – request for clearance of student conducting on-the-job training (OJT) abroad with concurrence from the Bureau of Immigration; Intellectual Property Office (IPO) – applications of utility model of Drs. Roberto C. Guarte and Feliciano Sinon (ongoing); Office of the Solicitor general – for the deputation of Fiscal Vivero and Atty. Guinocor; PASUC – for schedule of screening, interview and early release of results for University Professors; facilitated the following: invitation of speakers for the annual commencement exercises and anniversary celebrations, reconciliation of financial report and release of checks for AREC project at the Department of Energy, approval of extension of the 9F visa of foreign students at the Bureau of Immigration, approval for the travel clearance of the VSU staff at CHED and the Bureau of Immigration, and revalidation of the official passport of the VSU President and staff; facilitated the purchase of abaca and paper bags for the TechnoMart and the canvass and purchase of the Adventure vehicle of PhilRootcops and its spare parts and the Christmas lights; requested certification from the Professional Regulations Commission for the Licensure Examinations in Agriculture, Agricultural Engineering, Forestry, Veterinary Medicine, Geodetic Engineering, and Teaching; submitted proposals and other documents to the Department of Agriculture-Bureau of Agricultural Research for funding assistance for the construction of Technology Business Incubator Building; facilitated the registration of the university vehicle; requested to register the BIDANI vehicle at the LTO Diliman and to canvass and procure supplies and equipment; and received 148 parcels for the VSU Main Campus and 154 checks for payments to the suppliers.



4. The **Culture and the Arts Center (CAC)** celebrated the *1<sup>st</sup> Arts Month Celebration* during its 10<sup>th</sup> year anniversary with **Mr. Edgar (“Egai”) Talusan Fernandez**, Consultant Curator of the National Commission for Culture and the Arts (NCCA), Manila, as the keynote speaker on February 3, 2012 with the theme “Advancing Local Creativity in the Arts”. The CAC sponsored the stage play, entitled: “The Boor and the Proposal” on February 21, 2012 of the Little Boy Production, a Cebu-based theater production. It also sponsored the Cosplay Fest 2012 during the 88<sup>th</sup> VSU Anniversary on August 7, 2012 with nine (9) pairs of cosplayers from the different colleges in the VSU Main Campus and the external campuses.

The different sections of the CAC also accomplished following: (1) **Dance Section** (*VSU Folkloric Dance Troupe* and *VSU Rondalla*) – performed a Cultural Show dubbed as “Glimpse of Philippine Culture” a dance repertoire, held a Recognition Night and a Tribute to the graduating students, some dance troupe members acted as dance demonstrators during the MAPE/MSEP Seminar-Workshop sponsored by the College of Education, presented some folk dances during the Baybay City Chartered Day and during the VSU 88<sup>th</sup> Anniversary celebrations especially in the Jackfruit Fiesta and 1<sup>st</sup> Coconut Festival, did a dance presentation during the welcome socials to the Officers of the Department of Budget and Management (DBM) Central Office, and the VSU Night in Baybay City in preparation for the annual City Fiesta celebration; (2) **Music Section** (*VSU Student Chorale Ensemble*) – presented a Post-Valentine Concert dubbed as “Musical Kaleidoscope” on February 27, 2012, some members of the ensemble performed vocal solo, vocal duet, quartet, all male and choir renditions during the 88<sup>th</sup> anniversary of VSU, opening and closing of the AACCUP Accreditation, and during the variety show of the VSU Night in Baybay City; (3) **OKE**



Mr. Edgar T. Fernandez, NCCA consultant curator, delivering his piece as keynote speaker during the 10<sup>th</sup> CAC Anniversary Celebration.

[*String Orchestra*]) presented a post-valentine concert on February 16, 2012; (3) **CAC Visual Arts Section** presented a month-long *Painting and Photo Exhibit* made by the Visual Arts Guild members and guest artists from February 3 to March 3, 2012 and the “Roots and Water” exhibit on August 4-11, 2012, and conducted a *Summer 2012 Visual Arts Workshop* for children and adults on April 22-31, 2012 to know the different drawing and painting techniques.

5. The **Multimedia Development Center (MMDC)** facilitated the publication of instructional materials, including three (3) laboratory manuals in Chemistry; provided documentation services in big events of the university as well as assistance to DevCom classes and workshops.

## INCOME GENERATION OF EXTERNAL CAMPUSES

The VSU Alangalang generated a gross income of P87,781.18 from the piggery and crop production project, while VSU Villaba generated P838,321.88 from their projects on poultry/piggery/goat, coconut, rice, abaca, bamboo, charcoal, and other projects (banana, vegetables and pineapple).

**Table 12 .** Income of projects monitored by the IGP Office (2011 and 2012).

PROJECTS	2010	2011	Percent Increase/ Decrease
<b>RF-IGP</b>			
Pavilion	8,340,928.79	7,601,888.81	9.72
Coconut Non-Food	2,348,501.15	2,180,102.30	7.72
Hostel	2,226,671.00	1,911,758.70	16.47
University Review Center (URC & CCE))	1,387,335.00	1,547,901.50	(10.37)
NARC-Abaca Power Stripper	372,500.00	190,000.00	96.05
Printing Press	317,820.50	317,896.50	(0.02)
Buko & Coco Seedlings	291,850.00	245,774.00	18.75
Seednet (Pangasugan Area)	82,710.76	104,401.00	(20.78)
Seednet (Patag Area)	761,847.75	1,022,464.00	(25.49)
Guest House	243,174.90	-	-
Souvenir Items	-	2,150.00	-
<b>Sub-Total</b>	<b>16,373,339.85</b>	<b>15,124,336.81</b>	<b>8.26</b>
<b>Non-RF IGP</b>			
VSU Bakery	3,443,432.35	1,811,231.89	90.12
VSU Apartelle	1,605,958.00	1,401,290.34	14.61
VSU Garden Beach Resort	943,403.00	1,034,272.50	(8.79)
VSU Core Value Cottages (Ponce & Colis Cottages)	890,023.37	875,640.06	1.64
LSU Market	642,908.68	692,742.94	(7.19)
VSU Hospital	861,814.33	601,269.50	43.33
Manila Lodging	484,605.00	490,565.00	(1.21)
Bindery	465,937.00	473,889.00	(1.68)
VSU Spring Water	598,761.90	448,271.05	33.57
Rootcrops	562,114.25	444,159.56	26.56
Convention Center	93,504.70	250,472.43	(62.67)
DASS (Soil Lab)	181,371.90	243,356.50	(25.47)
Feedmill	173,247.31	201,624.25	(14.07)
SDMU	164,608.64	178,179.30	(7.62)
Ornamentals	213,906.50	155,800.05	37.30
Makapuno	289,098.55	132,399.50	118.35
Cebu Lodging	130,240.00	92,330.00	41.06
Horti Nursery/Plant Nursery I	69,180.00	67,970.00	1.78
Goat/Sheep	14,985.60	63,806.70	(76.51)
FARMI Demo Farm/FGS (FARMI-GIS)	11,187.50	56,785.00	(80.30)
Corn Seeds (DPBG Corn By-Product)	38,809.70	45,813.20	(15.29)
Locally Grown Seeds	39,144.00	45,463.00	(13.90)
Recreation Center	18,224.00	44,141.00	(58.71)
PPO Shops	225,042.50	19,265.00	1,068.14
Sustained Yield	55,153.50	18,895.00	191.89
Coco Intercrops	11,486.00	-	-
<b>Sub-total</b>	<b>12,228,148.28</b>	<b>9,889,632.77</b>	<b>23.65</b>
<b>GRAND TOTAL</b>	<b>28,601,488.13</b>	<b>25,013,969.58</b>	<b>14.34</b>



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

The **Office of the Vice President for Administration and 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, the OVPAF supervised the following offices:

1. The **Office of the Director for Administration and Human Resource Development (ODAHRD)** designed and submitted for approval by the Civil Service Commission (CSC) the VSU Strategic

Performance Management System (SPMS) instrument, in accordance with the requirements of CSC MC No. 6 Series of 2012; prepared and submitted a Strategic Human Resource Plan as required by CSC per CSC MC No. 3, s. of 2012; facilitated the implementation of the approved Strategic Performance Management System (SPMS) in coordination with the Performance Management Team (PMT), and prepared the ranking of all employees making VSU qualified to receive the Performance-Based Bonus (PBB), as provided for in EO 80, s. of 2012; submitted the documents required by the Civil Service Commission (CSC) for



*Dr. Roberto C. Guarte, VP for Administration and Finance, presenting his office plans for the year 2012 in relation to the key result areas of President Benigno Simeon Aquino III.*

PRIME-HRM, thus making VSU qualified for re-accreditation by the CSC; established the Human Resource (HR) Accreditation Center complete with documents as evidences of the best HR practices of VSU; prepared a model SPMS for all LGUs in Western Leyte and Southern Leyte which facilitated the submission of their SPMS as required by CSC per MC No. 6, s. of 2012; secured approval from the Department of Budget and Management (DBM) for the conversion of 25 new faculty positions, in addition to the 18 positions, under the scrap and build positions and the conversion of the Professor VI position into a University Professor position; spearheaded the month-long celebration of the 112<sup>th</sup> CSC anniversary with the following activities: worked for the crafting of Table of Major Final Outputs and Success Indicators for the Strategic Performance Management System on September 4-6, 2012, facilitated the blood-pressure taking every Wednesday starting September 5, 2012 and free pap smear specimen taking every Tuesdays and Thursdays starting September 11, 2012; held a Forum on Diabetes and Its Complication on September 14, 2012; sponsored a Gender Sensitivity Training and Orientation for Front Liner Service Providers on September 17, 2012; conducted a Seminar on Personality Development Among Frontliners and Public Assistance Desk Officers on September 20, 2012 and Fire Prevention Seminar on September 21, 2012; sponsored a forum with deans, center directors and heads of offices/departments on the Anti-Red Tape Law; registered a compliance of the unit's citizen's charter and disciplinary actions relative to cash advances on September 24, 2012; facilitated the fun run/fun walk and culmination and awarding of Loyalty Awards on September 28, 2012; processed different HR documents; and prepared all documents showing VSU's compliance with the three (3) areas as mandated by the CSC to be available under PRIME-HRM for display at the Accreditation Center.



*The Archives Center*

Moreover, the ODAHRD supervised the following offices:

- a. The **Records Office (RO)** established an Archive Center/Museum and displayed 104 archival photographs (since 1924) and 227 historical vital documents (since 1924); disposed records in the presence of the representatives of the National Archives of the Philippines (NAP), COA and VSU; submitted request for Authority to Dispose Records to NAP; enlarged and framed 59 archival pictures for the museum; and authenticated 3,564 records requested by the University and its clients.
- b. The **Security Services Office (SSO)** assisted in the Conduct of Earthquake and Fire Drill at the College of Engineering during its COE Week celebration; participated in the Seminar-Workshop on Basic Life Support and the 2<sup>nd</sup> Quarter 2012 Nationwide Simultaneous Earthquake and Fire Drill at VSU; conducted a Seminar-Workshop on Report Preparations and Good Governance, a regular physical fitness program for the personnel, and a Fire Prevention Seminar for dormitory advisers and other front liners; and assisted the College of Nursing in its Fire and Earthquake Lecture/Drill at the Administration Building.



*NSTP students covering their heads on the fire/ earthquake drill conducted by OCD8/RDRMC8.*

- c. The **Legal Office (LO)** filed a theft case with the MTCC, Baybay City, two (2) Appeals/Memoranda with the COA Regional Office and two (2) Applications for Special Patent of VSU Tolosa lots; facilitated the relocation of 18 VSU lots; settled 12 complaints/reports of VSF for disciplinary action; represented in court hearings on two (2) cases of theft; settled 11 cases of complaints/reports; facilitated the preparation of reports of the Fact-Finding Committee and Student Disciplinary Committee; and conducted the following seminars/forums, in coordination with the ODAHRD/USSC: Orientation Seminar of VSU Security Guards and New Faculty/Staff, Seminar on New SALN Form, and Forum with Students Regarding the Student Handbook.
  - d. The **Supply, Procurement & Property Management Office (SPPMO)** updated and reconciled some inconsistencies of statements in the Annual Inventory Report; conducted a physical inventory of equipment and VSU vehicles; and submitted the inventory report of 150 unserviceable equipment to the Disposal Committee.
- Likewise, the office facilitated the procurement of common-used office supplies available at the PS-DBM based on the APR of APP for the different
- Colleges, Departments, Centers and other offices of the University; facilitated eight (8) public biddings for the procurement of I.T. equipment for VSU Main & Isabel Campuses, materials for the construction of the 3-Storey New VSU Library Building Phase 1 & 1A, procurement of a one-year (1) subscription of the Internet Service Provider (ISP), procurement of Consultancy Services for Relocation Services, and establishment of boundaries and monuments for VSU land holdings.
  2. The **Office of the Director of Finance (ODF)** conducted a monthly meeting with the office heads in the Finance Division; implemented the ATM payroll system for casual employees and the Cash Cards for claims of students; Released budget allocation from General Fund per Office, Departments, and Centers for year 2012; revised the budget process and control of STF for the year 2012 based on CHED Memo No. 20, series of 2011; facilitated the financial and other needs of the different units, offices, departments, and centers.
    - a. The **Accounting Office** closely monitored the liquidation of cash advances of personnel; sped up the preparation and processing of payrolls for salaries and other benefits of VSU faculty and staff, and the processing of vouchers and other claims; submitted on time the different accountability reports to different government agencies; maintained a complete set of books for all Funds (General Fund, Fund 164 (STF), Fund 161 or IGP and 101Trust (research funds coming from other funding agencies) where detailed transactions of the university are recorded; implemented COA's recommendation to maintain subsidiary ledger for receivable of electric bills; computerized 80% of accounting data especially in the bookkeeping section; entertained

various consultations by the different departments/personnel regarding their payroll deductions; and effected the reshuffling of assignments of some personnel.

- b. The **Budget Office** prepared the consolidated budget proposal of the VSU System four (4) external campuses and main campus; prepared and submitted the Work and financial plan, 14 requests for terminal leave benefits and one (1) retirement gratuity for the main and external campuses, monthly and quarterly physical and financial reports; issued sub-allotment to all units of the university and provided status of funds by function, unit and project; prepared monthly fund transfer to the external campuses; prepared claims/requests for supplies and telephone bills, and submitted pertinent data for OPIF, AACCUP and data needed by other agencies.
- c. The **Cash Office** deposited daily the collections and remittances; effected a “No Noon Break Policy” during enrollment, midterm and finals as well as assigned five (5) tellers to cater to the needs of the students during these periods; assigned additional teller to cater to the needs of senior citizens, pregnant women, and partially disabled clients during midterm and final exam schedules; issued official receipts for every collection and remittances made; disbursed 100% of the following appropriations: General Fund -101 based on the regularly released NCA as issued by DBM Region Office VIII, funds under RGTL to cover payments of retired staff and personnel, funds allotted for payment of salaries and wages of staff and other personnel, and funds allotted for payment of maintenance and other operating expenses; effected 100% fund transfers to cover the PS and MOOE requirements to the

operating units/cooperating stations of the research centers of the university and the PS and MOOE requirements of all CSIs; delivered payment by check to all VSU suppliers; coordinated with VSU Cebu and Manila Liaison Officers with regard to payment made thru transmittals; continued the cash card system in disbursing student stipends; coordinated with the Office of the Dean of Students and the Office of the University Registrar in the assessment of students’ fees; submitted weekly, monthly, quarterly, and annual reports to the different offices and agencies; and implemented the recommendations made by the Commission on Audit to improve the service and the office performance as a whole.

3. The **Office of the Director For General Services (ODGS)**, together with the Infrastructure Development and Building Maintenance Unit (IDBMU), the Power, Electrical and Sound Maintenance Unit (PESMU), the Water and Sewerage Services Maintenance Unit (WSSMU), and the Heavy Equipment and Light Vehicle Maintenance Unit (HELVMU), completed the following projects during the year: expansion of ODREX Building; repair and repainting of DAS and FARMI Buildings, renovation of Lañada Cottage into a Core Value Cottages, Viewing Deck Oriental Garden, renovation of DASS faculty office, repair of FoodTech classroom and Laboratories, repair of DASS Greenhouse (Phase 1), renovation of Hostel Cottage 2 and VSU Hospital, installation of floor tiles at the CCE Building; repair and improvement of the Water System Projects of the VSU Main Campus; installation of pipelines from the reservoir (at seednet warehouse) to the oval stage, and another from the reservoir (at Forestry Nursery area) to the Administration Building; water supply for the Department of Mechanical Engineering (DME); replacement of damaged pipes at the second level of the





*Core value cottages*



*Oriental garden*



*Repair and repainting of FARM*

Warner Apartment; repair and repainting of fire hydrants; construction of reservoir and pipelines installation of water supply at the Department of Animal Science (DAS); repair/replacement of electric post primary distribution line; installation of streetlights in some dark areas in the campus; repair and

improvement of the lighting system of the following offices: PCC Dairy Processing Laboratory, Cash Office, ViCARP Office, ODREX Office, Record Office, faculty rooms of DASS, VSU Hospital; installation of 50KVA distribution transformer at VSU Hospital and Christmas lights and decors in the highway area; repair and maintenance of light and heavy equipment through engine reconditioning and overhaul, general body repair, and body repainting; maintained the cleanliness and beautification of the Campus grounds and surroundings as well as the ornamental nursery of the landscape unit; collection and disposal of solid wastes; site development for rice experimental area near the Gymnasium and in the Market area; construction of access roads at IHK and in between the Bachelor and Warner Apartments; filling up and scraping at the following areas: Pomology, Goat House, VSU Beach, and dumpsite; started the following projects: LAN IT (Phase 1), renovation of DPM Faculty Office (Phase 1), renovation of NCRC Food Processing Lab, and construction of the New Library (Phase 1).

4. The **VSU Hospital** served the VSU constituents and neighboring barangays through the following health care services: OPD consultations - 4,145; in-patients - 136; dental services - 9,202; laboratory services - 3,146; and ER cases - 347. For the annual medical/dental examination of students and faculty, in the Main Campus a total of 7,641 were examined: staff - 447, students - 7,183 and outsiders - 11 while 640 in the VSU Isabel: 638 students and 2 staff. Other accomplishments included: issuance of 2,577 medical/dental certificates, birth/death certificates, and medico-legal certificates; implemented proper waste disposal system of the hospital; maintained a better maternal and child health care program; provided a total of 303 vaccinations and immunizations to children and adults; establishment of Health Education Campaign and Program Committee and the Environment and



*Construction of the New Library, Phase 1*

Sanitation Team; conducted bloodletting activities, oral health orientations to VSU students staying in dormitories, staff Orientation Seminar on Reproductive Health; provided assistance during the Fasting Blood Sugar and Random Blood Sugar testing to VSU employees and their dependents and the free clinic for senior citizens in Hindang, Leyte and also in Baybay City. The VSU Hospital passed the accreditation screening of PhilHealth as well as of the Hospital Newborn Screening.

5. The **VSU Cebu Office** served 1,071 requests for quotation, 346 Purchase Orders (POs), 414 checks for payment; facilitated 35 COD purchases; received 94 incoming transmittals; prepared 95 outgoing shipments and 50 replenishment vouchers; explored and negotiated with four (4) new suppliers; assisted 55 personnel and visitors in their official transactions in Cebu City. Moreover, the VSU Cebu lodging house accommodated 648 guests during the year; subscribed to the Pacific Cable TV; facilitated the installation of new bunk beds, concreting of entrance (overlay only), sloping up the entrance (concrete overlay) to prevent water and thrash flooding around the VSU-Cebu premises, concreting of the window panes in room #103, repair of kitchen roof and ceiling, replacement of six (6) panels of window screens, repainting of the entrance gate, and changing the floormat of the lobby.
6. The **VSU Alangalang** facilitated the approval of appointments for two regular plantilla items, namely: Nurse II & Farm Worker I and the renewal of contracts of eight (8) Instructor I, Instructor II positions, and one Casual Administrative Aide, and renewal of appointments of six (6) part-time instructors for SY 2012-2013 and job order personnel; processed the Notice of Salary Adjustment (NOSA) to all regular employees for the implementation of the 4<sup>th</sup> tranche salary increase per DBM NBC No. 540; facilitated the conduct of an In-House Gender Sensitivity Seminar for all employees by the Civil Service Commission, Region VIII; completed the construction of the following projects: Outdoor Stage, renovation of the Accreditation Room, construction of Phase I of the Multi-Purpose Building, and plant boxes; ongoing construction of the Alumni Center, renovation of the Phase 2 & 3 of new Administration Building, and Phase I of the concrete electric posts; repair and repainting of the fence along the National Highway, cabinets in the Chemistry Room, and the guardhouse and stockroom; and prepared and submitted the Individual Performance Commitment and Review (IPCR) of all personnel to the Main Campus.
7. The **VSU Villaba** adopted the Performance-Based Incentive System for Government Employees and accomplished and submitted the OPCR and IPCR forms to the VSU-Main Campus as basis for forced ranking; landscaped the Scenery Park; constructed a Multi-Purpose Pavement, through the assistance of the Department of Public Works and Highways (DPWH), 3<sup>rd</sup> LED Villaba; improved the Accreditation Room by repainting and installing an air-conditioning unit and wooden cabinets; fabricated tables, purchased plastic chairs and constructed a billing counter for the cafeteria; acquired new IT equipment and facilities; upgraded the Library resources by purchasing 203 more books and extended the Library hours from 7:00 a.m. to 12:00 nn and 1:00 p.m. to

5:00 p.m. to 7:00 a.m. to 9:00 p.m. with no noon break; fabricated and installed bulletin boards along the covered walk; fabricated 50 armed chairs and repaired the damaged chairs; procured equipment for the guest house and the dean's office; posted signage in strategic location of the college; and assigned a permanent Public Assistance Desk Officer to assist and answer the queries of visitors.

## MANPOWER RESOURCES

The VSU System had a total of 358 regular administrative personnel as of December 31, 2012, consisting of 288 in the VSU Main (2 PhD, 24 MS, 127 BS, and 135 undergraduate), 15 in

VSU Alangalang (2 MS, 9 BS, 4 undergraduate); 19 in VSU Isabel (1 MS, 10 BS, 8 undergraduate); 17 in VSU Tolosa (1 MS, 12 BS, 4 undergraduate); and 18 in VSU Villaba (4 MS, 4 BS, 10 undergraduate).

During the year, the VSU Main Campus had 82 casual and 31 contractual administrative personnel as support staff.

## Seminars/Trainings Attended

In order to upgrade/update the knowledge of administrative personnel of the new circulars given by the different government agencies, 546 personnel of the VSU System attended 226 trainings/seminars/workshops, of which 5 were international, 60 national, 53 regional, and 108 local (Table 13).



**Table 13.** Trainings/seminars/workshops attended by administrative staff in 2012.

DEPARTMENT/COLLEGE/ CENTER/ INSTITUTE	INTERNATIONAL		NATIONAL		REGIONAL		LOCAL	
	No. of Training	No. of Participants	No. of Training	No. of Participants	No. of Training	No. of Participants	No. of Training	No. of Participants
Office of the President								
Internal Audit Services Office	-	-	1	1	-	-	-	-
Office of the Vice President for Instruction								
Registrar	-	-	2	2	1	1	1	2
Open University	-	-	-	-	-	-	4	4
Graduate School	-	-	4	4	1	1	10	19
USSO	-	-	2	2	3	3	10	19
University Library	-	-	3	3	1	3	-	-
Office of the Vice President for Administration & Finance								
VSU Hospital	-	-	3	3	6	8	2	18
Cebu Office	-	-	-	-	1	1	2	2
Office of the Director for Finance (ODF)	-	-	7	8	3	3	3	4
Accounting Office	-	-	2	3	-	-	-	-
Budget Office	-	-	-	-	-	-	1	2
Cash Office	-	-	1	1	-	-	1	6
Office of the Director for Administration & HRD	-	-	-	-	-	-	5	14
Legal Office	-	-	1	1	2	2	-	2
Records Office	-	-	-	-	-	-	-	-
Security Office	-	-	-	-	-	-	6	100
Supply Office	-	-	1	1	4	4	13	22
Office of the General Services	-	-	2	2	-	-	1	1
Office of the Vice President for Planning & Resource Generation								
	3	3	15	15	7	7	19	26
University Review Center	-	-	-	-	-	-	1	1
Culture & the Arts Center	1	1	1	1	-	-	1	1
Multimedia Dev't Center	1	1	3	3	3	3	3	3
<b>Sub-total</b>	<b>5</b>	<b>5</b>	<b>48</b>	<b>50</b>	<b>32</b>	<b>36</b>	<b>83</b>	<b>246</b>
External Campus								
VSU Alangalang	-	-	3	4	4	7	5	21
VSU Isabel	-	-	4	4	14	15	9	117
VSU Tolosa	-	-	2	3	3	5	8	15
VSU Villaba	-	-	5	5	-	-	4	36
<b>Sub-total</b>	<b>5</b>	<b>5</b>	<b>14</b>	<b>16</b>	<b>21</b>	<b>27</b>	<b>26</b>	<b>189</b>
<b>GRAND TOTAL</b>	<b>5</b>	<b>5</b>	<b>62</b>	<b>66</b>	<b>53</b>	<b>63</b>	<b>109</b>	<b>435</b>



**VISAYAS STATE UNIVERSITY**

Visca, Baybay City Leyte

**CONDENSED STATEMENT OF INCOME AND EXPENSES**

For the Fiscal Year Ended December 31, 2012

*(With Comparative Figures in 2011)*

	2012	2011
<b>Income</b>	<b>P 496,768,367.93</b>	<b>P 459,202,553.76</b>
<b>Less: Expenses</b>		
Personal Services	P 342,492,815.73	P 316,843,215.93
Maintenance and Other		
Operating Expenses	147,209,496.69	122,033,674.86
Financial Expenses	-	-
<b>Total Expenses</b>	<b>P 489,702,312.42</b>	<b>P 438,876,890.79</b>
<b>Excess of Income Over Expenses</b>	<b>P 7,066,055.51</b>	<b>P 20,325,662.97</b>
<b>Add: Gain on Sale of Assets/Loss on Foreign Exchange</b>	<b>-</b>	<b>-</b>
<b>Deduct: Loss of asset/Sale of Assets</b>	<b>60,092.83</b>	<b>38,307.40</b>
<b>NET INCOME</b>	<b>P 7,005,962.68</b>	<b>P 20,287,355.57</b>



**VISAYAS STATE UNIVERSITY**

Visca, Baybay City Leyte

**CONDENSED BALANCED SHEET**

As of December 31, 2012

*(With Comparative Figures in 2011)***A S S E T S**

	2012	2011
<b>CURRENT ASSETS</b>		
Cash	P 154,598,310.07	P 123,622,803.13
Receivables - Net	75,724,238.26	72,654,240.78
Inventories	4,190,931.34	2,159,872.02
Prepaid Expenses	429,290.64	352,441.10
Other Current Assets	78,563.00	78,563.00
Total Current Assets	P 235,021,333.31	P 198,867,920.03
<b>PROPERTY, PLANT &amp; EQUIPMENT</b>		
Property, Plant & Equipment	P 480,714,221.75	P 448,875,494.59
Less: Accum. Depreciation	278,400,003.68	253,793,086.61
	202,314,218.07	195,082,407.98
<b>TOTAL ASSETS</b>	<b>P 437,335,551.38</b>	<b>P 393,950,328.01</b>

**LIABILITIES AND EQUITY**

<b>LIABILITIES</b>		
Current Liabilities	P 97,376,080.20	P 75,791,647.71
Other Liabilities	62,775,284.69	53,752,025.07
	P 160,151,364.89	P 129,543,672.78
<b>EQUITY</b>		
Government Equity	277,184,186.49	264,406,655.23
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>P 437,335,551.38</b>	<b>P 93,950,328.01</b>



# SIGNIFICANT EVENTS

- **Dr. Antonio E. Refre**, an e-Learning/ Online Education Consultant/Developer from Quezon City oriented the faculty and staff of the VSU Main Campus on January 11-13, 2012 the *Antonio E. Refre Virtual Learning Environment System (AERVLES)* that he developed. He said that the AERVLES is user-friendly and that resource materials can easily be converted into web-ready materials.
- **Hon. Edilberto M. de Luna**, Department of Agriculture (DA) Assistant Secretary for Field Operations and National Coordinator of the Agri-Pinoy Corn Program, presented during the *National Rootcrop RDE Validation Workshop* on January 30-31, 2012 the “2011 Philippine Agriculture Performance and Thrusts for 2012 and Beyond of the Department of Agriculture”.
- **Mr. Rodne R. Galicha**, Philippine District Manager of Former US President and Nobel Laureate Al Gore’s The Climate Reality Project, was the guest speaker during the “Climate Reality Presentation” held on February 2, 2012 at the Institute for Strategic Research and Development Studies (ISRDS) which was jointly sponsored by the ISRDS and the Organization of Biology Students (OBIOS) of VSU.
- **Mr. Edgar Talusan Fernandez**, Consultant Curator of the National Commission for Culture and the Arts (NCCA), Manila, was the keynote speaker during the 10<sup>th</sup> Anniversary of the Culture and the Arts Center (CAC) and the 1<sup>st</sup> Arts Month celebration of VSU on February 3, 2012 at the VSU Convention Center with the theme “Advancing Local Creativity in the Arts.”
- **Dr. Justiniano L. Seroy and Dr. Manuel K. Palomar** received the *Crystal Award* from the Accrediting Agency for Chartered Colleges and Universities in the Philippines (AACCUP) during its 25<sup>th</sup> Annual National Conference and Silver Anniversary which was held at the Fiesta Pavilion of the Manila Hotel on February 20-22, 2012.



VSU's 88<sup>th</sup> Anniversary speakers: (left) Cong. Juan Edgardo M. Angara, Chairman of the House Committee on Higher & Technical Education and (right) Dr. Fernando A. Bernardo, first President of the Visayas State College of Agriculture, now VSU.

- **Mr. Phillip Jude Acidre**, Regional Chairman for Eastern Visayas and 3<sup>rd</sup> nominee of the *An Waray* Partylist, was the guest speaker during the 2012 Honors and Awards Convocation of VSU on March 6, 2012.
- **Engr. Peter Billard**, a Mechanical Engineer working at the Fichtner Consulting Engineers in Stuttgart, Germany, conducted a seminar on “Renewable Energy Sources for Rural Development” at the PhilRootcrops Training Hall on March 26, 2012.
- **Honorable Carlos Jericho L. Petilla**, Governor of the Province of Leyte, was the guest speaker during the 59<sup>th</sup> VSU Commencement Exercises on April 11, 2012 at the VSU Gymnatorium.
- The construction of a **covered walk**, cutting across the rice field going to the VSU Market, was completed on May 31, 2012 which was jointly funded by the University Supreme Student Council (USSC) and the VSU Administration.
- **Hon. Pelagio S. Apostol**, Deputy Ombudsman for Visayas, had a Dialogue-Forum with some VSU constituents on June 14, 2012 at the Training Hall of VSU’s Philippine Root Crop Research and Training Center (PhilRootcrops).
- **Dr. Lourdes J. Cruz**, President of the National Research Council of the Philippines (NRCP), was the keynote speaker during the 9<sup>th</sup> General Membership Assembly of the National Research Council of the Philippines-Visayas Regional Cluster (NRCP-VRC) held in VSU on June 21-22, 2012.
- **Dr. Alfred R. Conklin Jr.** of Wilmington College, Ohio, USA was the resource speaker of the seminar on “Future Trends in Natural Products Research” on August 1, 2012 at the PhilRootcrops Training Hall. The seminar was co-sponsored by the VSU Biotechnological Society and the Chemical Society.
- **Mr. Michael M. Dela Cruz**, Director II of the Civil Service Commission (CSC) for Western Leyte-Biliran Satellite Office, was the guest speaker during the opening of the ***Flower and Garden Show 2012*** on August 2, 2012 as one of the highlights of the 88<sup>th</sup> VSU Anniversary Celebration and also during the VSU’s celebration of the 112<sup>th</sup> CSC Anniversary culmination on September 28, 2012.
- The **Philippine Root Crop Research and Training Center (PhilRootcrops)** won the ***Booth of the Year Award*** during the Booth



*The PhilRootcrops booth won the 2012 Booth of the Year Award*

Competition held on August 2-11, 2012 as one of the highlights of the 88<sup>th</sup> VSU Anniversary Celebration with the theme “Changing Lives through Science and Technology.” Other winners were: Research Centers Category: the **National Abaca Research Center – Best Booth Award** and the **National Coconut Research Center-Visayas – 1<sup>st</sup> runner-up**; Colleges Category: the **College of Agriculture and Food Science – 1<sup>st</sup> prize** and the **College of Engineering – 2<sup>nd</sup> runner-up**; Student Organizations Category: the **VSU Agricultural Extension Students Society – Best Booth Award** and the **VSU Laboratory High School – 1<sup>st</sup> runner up**; LGU and Other Agencies Category: the **Baybay City Agriculture Office – 1<sup>st</sup> prize** and the **Energy Development Corporation (EDC) in Ormoc City – 2<sup>nd</sup> prize**.

- **Jackfruit Farms and Industry Encounters through Science and Technology Application (FIESTA)** was held on August 6-7, 2012 at the VSU Convention Center as one of the highlights of the 88<sup>th</sup> VSU Anniversary celebration. The activity was conducted to bring together the different stakeholders in the jackfruit industry, identify the gaps, and work together towards the solution to the gaps and it was participated in by more than a hundred representatives from the national and local government offices, private sector, academe, farmers and the media.
- Three outstanding farmers were given awards during the **2012 Farmers and Fisherfolks’ Day** on August 10, 2012, namely: **Barangay Captain Ditas dela Peña** of Barangay Anahaway, Palo, Leyte was the **Outstanding Farmer Entrepreneur** or the **UGMAD Awardee**. She received a plaque of recognition from the VSU and a cash award of P20,000.00 from the Province of Leyte; **Engr. Lucio R. Gerona** of Barangay Pamahawan, Bontoc, Southern Leyte was the **Most**

**Outstanding Vegetable Farmer** who received a plaque of appreciation from the VSU and a cash award of P10,000.00 from the East-West Seed Company; and **Mr. Reynaldo Inong** of Baragay Puertobello, Ormoc City was the **Most Outstanding Livestock Farmer** who received a plaque from the VSU and a cash award of P10,000.00 from the **PIGROLAC**.

- **Dr. Fernando A. Bernardo**, first ViSCA President, was one of the two convocation speakers during the 88<sup>th</sup> VSU Anniversary Convocation Program on August 11, 2012. He revealed in his speech how he successfully built a campus on top of the hill – the Visayas State College of Agriculture (ViSCA), now the Visayas State University (VSU). The other speaker was the **Honorable Congressman Juan Edgardo M. Angara**, Chairman of the House Committee on Higher and Technical Education and Member of the VSU Board of Regents.
- **Mr. Bernardo H. Tocmo**, 1982 BS in Agribusiness graduate of the then ViSCA who is now the *Senior Vice President and Head of the National Sales and Countryside Branches* of the Metropolitan



Ms. Ditas dela Peña (2<sup>nd</sup> from left) of Brgy. Anahaway, Palo, Leyte received a plaque and a cash award as the recipient of the 2012 UGMAD Award or Most Outstanding Farmer-Entrepreneur. In photo are: (L-R) Palo Mayor Remdios Petilla; former Senator Juan Miguel Zubiri; Provincial Agriculturist Rogelio Portula; and Regional Executive Director Antonio Gerundio of the Department of Agriculture Regional Field Unit 8.

Bank and Trust Company (Metrobank) was the recipient of the **2012 Outstanding Alumnus Award** accorded by VSU to its successful alumnus during the 88<sup>th</sup> VSU Anniversary celebration on August 11, 2012.

- **Dr. Fusao Tomita**, professor emeritus at the Hokkaido University and 1<sup>st</sup> president of the Asian Federation of Societies for Lactic Acid Bacteria (AFSLAB), was the keynote speaker during the 8<sup>th</sup> Scientific Conference of the Philippine Society for Lactic Acid Bacteria (PSLAB), Inc. on November 22-23, 2012 at the VSU's Center for Continuing Education with the theme "Lactic Acid Bacteria R and D for Health and Wealth".
- VSU hosted trainings, workshops, seminars, and conferences during the year, as follows:
  - ✓ The *National Rootcrop RDE Validation Workshop* was held on January 30-31, 2012. The participants were researchers/scientists from the different government agencies, academic institutions, and private firms in the country.
  - ✓ The workshop on crafting the *SSU Five-Year Strategic Development Plan for 2012-2017* by the Samar State University (SSU) was held on March 1-2, 2012 at the VSU's Center for Continuing Education.
  - ✓ The *Regional Tertiary Schools Press Conference* with the theme, "Empowering and Equipping the Regional Campus Press" was conducted on March 1-3, 2012 at the VSU Convention Center.
  - ✓ The *37<sup>th</sup> Geodetic Engineers of the Philippines (GEP) Regional Convention* was held on March 30-31, 2012 at the VSU's Center for Continuing Education with the theme, "Role of Geodetic Engineers in Disaster Risk Reduction Management".
  - ✓ The *Statistical Analysis and Report Writing* training was held on April 30 to May 4, 2012 at the Audio Visual Room of VSU's Office of the Vice President for Research and Extension (OVPRE). The training course was jointly organized by the Statistical Research and Training Center (SRTC), the Regional Statistical Coordination Committee (RSCC) VIII, and the Visayas State University (VSU). The training course was participated in by 14 statistical personnel from NEDA-8, NSO-Tacloban, NSO-Maasin, NSO-Ormoc, DepEd-8, Plan International-Tacloban, LGU-Baybay, LGU-Calbayog, DOH-8, LTO-Tacloban, and TESDA-Biliran.



*The participants of the "Library Management Training" with their resource persons.*

- ✓ The *Library Management Training* on May 21-25, 2012 at the VSU's Department of Computer Science and Technology was participated in by 21 representatives of the 2009 iSchools project recipients from public high schools in Samar, Leyte, Bohol, and Cebu. The aims were to provide basic knowledge on library management skills (cataloguing and classification) and to introduce the use of the iSchools Library Management Information System (LMIS) to enhance library services.
- ✓ The *9<sup>th</sup> General Membership Assembly of the National Research Council of the Philippines-Visayas Regional Cluster (NRCP-VRC)* was held on June 21-22, 2012 at the VSU's Center of Continuing Education with the theme, "Towards Building Dynamic and Invigorated Basic Researchers in the Visayas Cluster for Philippine Progress".
- ✓ The *2<sup>nd</sup> SM Lite Workshop: Core Messaging, Effective Design and Event Planning* by RARE Inspiring Conservation and GIZ-Adaptation for Climate Change in Coastal Area (ACCoast) was held on June 18-23, 2012 at the VSU's Center for Continuing Education.
- ✓ The *Training of Trainers on Harmonized Gender Development* was conducted on June 19-21, 2012 at the VSU's Institute for Strategic Research and Development Studies which was participated in by 29 representatives from the different government agencies. The aims were to train the participants in the application of Harmonized Gender Development Guidelines to improve the quality of design of the projects and to deepen understanding of gender and development concepts.
- ✓ The *Philippine Association of Communication Educators (PACE) Board Meeting* was held on October 13, 2012 at the university-based ViCARP-RRDEN TechnoMart and Pasalubong Center.
- ✓ The *13<sup>th</sup> International Seminar and Workshop on Tropical Ecology* was held from September 24 to October 6, 2012 with the theme, "Impact of Climate Change on Tropical Ecosystems".
- ✓ The *RD&E Writeshop for Coconut for Region VIII* was held on October 8-9, 2012 at the VSU's Center for Continuing Education.
- ✓ The *Meeting and Regional Scientific Conference of the Philippine Phytopathological Society, Inc.-Visayas Division (PPS-VD)* was held on October 25-26, 2012 at the VSU's Center for Continuing Education on the occasion of its 50<sup>th</sup> Anniversary with the theme, "PPS-VD: Facing the Challenges of Plant Disease in the Visayas."
- ✓ The *8<sup>th</sup> Scientific Conference of the Philippine Society for Lactic Acid Bacteria (PSLAB), Inc.* was held on November 22-23, 2012 at the VSU's Center for Continuing Education with the theme, "Lactic Acid bacteria R and D for Health and Wealth".
- ✓ The *Seminar-Workshop on MAPEH/MSEP* was held on May 7-11, 2012 at the VSU Gymnatorium with participants from the different districts of the Department of Education-Leyte Division (DepEd-Leyte).



# COLLABORATION

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

- **Agrostudies The International Centre for Agricultural Studies in Israel Ltd.** – for the cooperation and training for students in educational projects in agriculture to enhance their theoretical education and practical skills.
- **Cornell Club of the Philippines** – for the donation of P250,000 to cover the cash requirement for the implementation of the Scholarship Program for the constituents of the Province of Leyte.
- **Bicol University, Central Luzon State University, Mariano Marcos State University, Alyansa ng mga Grupong Haligi ng Agham at Teknolohiya para sa Mamamayan (AGHAM)** – for the program known as “Consortium for Meteorology Education and Training (COMET) with the participation of AGHAM to provide scholarships and capacity-building programs for the consortium member universities.
- **LEAD Agricultural Products Corporation** – for the implementation of the LEADS Agri Angat Pinoy Scholarship Grant for students who are in their junior years taking up BS in Agriculture, either major in Crop Science, Crop Protection, Soil Science, Entomology, Plant Pathology or any other allied course in the College of Agriculture.



*MOA signing with the Cornell Club of the Philippines. Seated (L-R): Rep. Ferdinand Martin “FM” Romualdez, Cornell Club of the Philippines President and Leyte 1st District Congressmand and Dr. Jose L. Bacusmo, VSU President. Standing (L-R): Raeanna Cranbourne, Cornell Alumnae and Professor Randy Barker, Cornell Alumnus.*



(2<sup>nd</sup> from left) Dr. Eufemio T. Rasco, Jr., PhilRice Executive Director, and Dr. Jose L. Bacusmo, VSU President, exchanging the MOU after signing the documents/ Dr. Othello B. Capuno (extreme right), VP for Research and Extension, and Dr. Caesar Joventino M. Tado (extreme left), PhilRice's Acting Director for Administration, serve as witnesses.

- **Hon. Leonardo M. Javier, Jr.**, Mayor of Javier, Leyte, **Mrs. Elizabeth Cayunda** (Botica Cayunda) and **Leyte Electric Cooperative (LEYECO IV)** for their “Programang Paeskwela” – scholarship sponsors that provide funding assistance to 35 poor but deserving students.
- **Municipality of Silago in Southern Leyte, Department of Environment and Natural Resources (DENR) through the Community Environment and Natural Resources Office (CENRO) in San Juan, So. Leyte, and Barangay Catmon in Silago** – for the establishment of a Long-Term Ecological Research (LTER) in Barangay Catmon, Silago, So. Leyte that will look into the preservation and protection of the watershed, increase water production and improvement of water quality, and biodiversity conservation in Barangay Catmon.
- **Foundation for the Philippine Environment (FPE), ViSCA Foundation for Agricultural and Rural Development, Inc. (ViFARD), and Visayas State University (VSU)** – for the implementation of the project, entitled: “Up-Scaling Forest Restoration Efforts in Key Biodiversity Areas”. The project intends to help mitigate the decline of the Philippine forests by enhancing the management and protection of key biodiversity areas and reforestation at least 480 hectares of forest areas in eight (8) target sites.
- **Provincial Agrarian Reform Officers (PAROs) Oscar Reloj and Elisea Orapa of DAR-Leyte and DAR-Biliran** – as partner in improving the lives of the agrarian reform beneficiaries (ARBs) in Region 8 under the Agrarian Reform Community Connectivity and Economic Support Services (ARCESS).
- **Philippine Rice Research Institute (PhilRice)** – to collaborate extensively on rice research, training, communication, extension, and human resource development projects.
- **Philippine Agro-Forestry Education and Research Network (PAFERN)** – for the Assessment of the Different Organic Farming Practices of the Farmers in Hilly/Upland Areas in the Philippines.

- **Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCARRD)** – for the supply chain improvement of vacuum-packed and dehydrated jackfruits in Region 8.
- **Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCARRD)** – for Project # 5 – Processing of Jackfruit into High Value Food Products.
- **Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCARRD)** – for Project #6 – Design and Implementation of Community interventions for the Promotion of Jackfruit Technologies in Eastern Visayas (Supplemental MOA).
- **Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCARRD)** – for the Community-based S&T Farm on Jackfruit Production in Leyte.
- **Philippine Council for Health Research and Development** – for the Evaluation of the antidiabetic and antihypertensive properties of PRP1 from Purple Yam and Manunggal
- **National Research Council of the Philippines (NRCP)** – for the project, entitled: “Utilization of Cassava Starch as Low-Cost Tissue Culture Medium Component for Rapid Propagation of Yam and Cassava.”
- **Bureau of Agricultural Research (BAR)** – for the project, entitled: “Microbial-induced Mobilization of Micro-Nutrient from Soil Minerals from Different Soil Environments for Increased Yield and Improved Nutritional Quality of Sweetpotato and Purple Yam.”
- **Department of Agrarian Reform (DAR)** Province of Leyte – for the Agrarian Reform Community Connectivity and Economic Support Services (ARCESS) – Sugarcane block farming for sugarcane planters in Ormoc City and Kananga, Leyte
- **Department of Agrarian Reform (DAR)** Province of Leyte – for the Agrarian Reform Community Connectivity and Economic Support Services (ARCESS) – ARCESS to Vegetable Producers in San Isidro, Villaba, Tabango, and Calubian, Leyte.
- **Department of Agrarian Reform (DAR)** Province of Leyte – for the Agrarian Reform Community Connectivity and Economic Support Services (ARCESS) – Rice Production Warehousing and Marketing in Dylag, Mac Arthur, La Paz, Mayorga, and Julita, Leyte.
- **Department of Agrarian Reform (DAR)** Province of Leyte – for the Agrarian Reform Community Connectivity and Economic Support Services (ARCESS) – Cassava Production and cassava Chips Processing for Feeds in Matalom, Hilongos and Inopacan
- **Department of Agrarian Reform (DAR)** Province of Biliran – Agrarian Reform Community Connectivity and Economic Support Services (ARCESS) – Rice Production Enhancement Project cum Marketing Support System in Naval, Biliran
- **Department of Energy (DOE)** – for the Affiliated Renewable Energy Center for Region 8
- **Department of Environment and Natural Resources (DENR), LGU-Silago, Brgy. Catmon, Silago, So. Leyte** – on the project, entitled: “Protecting, Rehabilitation and Preserving Lowland Dipterocarp Forests in Silago.”
- **Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)** – for the Rehabilitation and Strengthening of the Back-up Power Supply of the Visayas State University Research Laboratories by transferring two (2) sets of used generators (STAMFORD Generators with WHITE Engines) from PCAARRD to VSU.
- **Merriam College in Quezon City** – to pursue efforts in integrating local knowledge in education, specifically in curriculum development and research.



# Awards received by students for SY 2012-2013

NAME OF AWARD	RECIPIENT	AGENCY/COMPETITION	DATE
<b>INTERNATIONAL LEVEL</b>			
STEPTUAT Scholar	Mariecris Arances	STEPTUAT	Oct 1, 2012 to Sept. 30, 2013
<b>NATIONAL LEVEL</b>			
Best Research (2 <sup>nd</sup> place - Student Category)	Meryl V. Capapas	PNARS	Aug. 10, 2012
Passer - 20 <sup>th</sup> Fundamental IT Engineers Exam	Ral Kekaz Itong, Lauron Bermoy, Maureen Lyndel Comedia, Mary Luz Panta Tano	JITEC/PhilNITS	Oct. 28, 2012
Passer - 5 <sup>th</sup> IT Passport Exam	Julius R. Alvero Joshua S. Cabantoc Darrel Kim Destriza Jan Etienne Rafols	JITEC/PhilNITS	Oct. 28, 2012
Champion - Oration	Edelle Marie B. Tulin	3 <sup>rd</sup> Voice of the Youth National Oratorical Competition (Division Level)	Nov. 9, 2012
1 <sup>st</sup> place - National Statistics Quiz Show	Bernadeth P. Balonga	NSO	Nov. 20, 2012
<b>REGIONAL LEVEL/ PROVINCIAL LEVEL</b>			
1 <sup>st</sup> place - Editorial Cartooning Contest (Filipino) 3 <sup>rd</sup> place - Journalism Contest	Charliester Barredo	RTSPAA	Mar. 1-3, 2012
5 <sup>th</sup> placer - Feature Writing Contest (English)	Dhn Gry Fatima Leopoldo	RTSPAA	Mar. 1-3, 2012
Champion - Derek Banks Open Chess Tournament	Catherine Pojas	Derek Banks Open Chess Tournament	Sept. 20, 2012
1 <sup>st</sup> place	Kimberly Uy Francis Diane Bongcac Justin Alcantara Sherey Mae Balagao Mary Joyce Milleza	POSTE	Sept. 21-23, 2012
2 <sup>nd</sup> place -	Cody Allen Chloe Lynne Bacor	POSTE	Sept. 21-23, 2012



NAME OF AWARD	RECIPIENT	AGENCY/COMPETITION	DATE
Life Science (Individual Category) - 1 <sup>st</sup> place	Edelle Marie B. Tulin	DepEd and Intel	Oct. 6-7, 2012
Physical Science (Individual Category) - 1 <sup>st</sup> place	David Winston Tabada	DepEd and Intel	Oct. 6-7, 2012
Physical Science (Individual Category) - 2 <sup>nd</sup> place	Miguel Albert Taveros	DepEd and Intel	Oct. 6-7, 2012
Life Science (Group Category) - 1 <sup>st</sup> place	Raquel Reyes Diana Montes Darlen Grace Medallo	DepEd and Intel	Oct. 6-7, 2012
Life Science (Group Category) - 2 <sup>nd</sup> place	Louwella Mia Sayawan Jella Mae Orapa Jovee Marie Gofredo Mirzi Olga Degracia Janus John Rejis	DepEd and Intel	Oct. 6-7, 2012
Physical Science (Group Category) - 1 <sup>st</sup> place	Christian Ulysses Cagasan Raymond V. Ramada Cail Aleksei Lingatong Christian Daniel D. Restor Kyle Miguel T. Pore	DepEd and Intel	Oct. 6-7, 2012
Bronze Medalist - Ms. SCUAA 2012	Mae Ruselle U. Juanillo	SCUAA	Oct. 21, 2012
Silver Medalist - Table Tennis Women	Billy Jill Sello	SCUAA	Oct. 21, 2012
1 <sup>st</sup> place - National Statistics Quiz Show (Regional Level)	Bernadeth P. Balonga	NSO	Oct. 30, 2012
2 <sup>nd</sup> place - National Statistics Quiz Show (Provincial Level)	Jessie James D. Layan	NSO	Oct. 30, 2012
3 <sup>rd</sup> place - National Statistics Quiz Show (Provincial Level)	Hannah Jane A. Esperidion	NSO	Oct. 30, 2012
Champion - Oration	Edelle Marie B. Tulin	Voice of the Youth National Oratorical Competition (Divisional Level)	Nov. 9, 2012
<b>INSTITUTIONAL/LOCAL</b>			
1 <sup>st</sup> place - Investigative Reporting Contest (English)	Andy Phil D. Cortes	VSU	Mar. 1-3, 2012
1 <sup>st</sup> place Desktop Publishing	Andy Phil D. Cortes	VSU	Mar. 1-3, 2012
2 <sup>nd</sup> place - Feature Writing	Claire Larzen Z. Tello	VSU	Mar. 1-3, 2012
2 <sup>nd</sup> place - Sports Writing	Rey Michael R. Rosolada (English)	VSU	Mar. 1-3, 2012
3 <sup>rd</sup> place - Sports Writing (Filipino)			



NAME OF AWARD	RECIPIENT	AGENCY/COMPETITION	DATE
3 <sup>rd</sup> place - Opinion Writing	Bonn Troy Ma C. Boñola (Filipino)	VSU	Mar. 1-3, 2012
2 <sup>nd</sup> place - Feature Writing	Fielma Joyce M. Legua (Filipino)	VSU	Mar. 1-3, 2012
1 <sup>st</sup> place - Editorial Cartooning (English)	Ted Dominique S. Belonias	VSU	Mar. 1-3, 2012
2 <sup>nd</sup> place - Photojournalism	Kim Kenneth P. Roca	VSU	Mar. 1-3, 2012
4 <sup>th</sup> place - Feature Writing	Rene S. Puson (English)	VSU	Mar. 1-3, 2012
Leadership Award	April Gayle N. Valencia	USSO-VSU	Mar. 5, 2012
Endeavor Award	Mark Anthony Rosales	USSO-VSU	Mar. 5, 2012
Service/Endeavor Award	Jimmilyn D. Eduardo G. Labra	VSU Villaba	Mar. 29, 2012
Outstanding Development Communication Research of the Year	Niño Antonio P. Villalino	Dev. Com. Alumni Association	April 9, 2012
Best Undergraduate Thesis 1 <sup>st</sup> place - (Physical Sciences Category)	Francis Roda	Phi Delta Honor Society	April 11, 2012
Best Undergraduate Thesis 1 <sup>st</sup> place - (Social Sciences Category)	Niño Daryll M. Bicoy	Phi Delta Honor Society	April 11, 2012
Best Undergraduate Thesis 1 <sup>st</sup> place - (Pure Life Sciences Category)	Lebeth C. Manguilimotan	Phi Delta Honor Society	April 11, 2012
Best Undergraduate Thesis 1 <sup>st</sup> place - (Applied Life Sciences Category)	Kurt Nathaniel A. Galvez	Phi Delta Honor Society	April 11, 2012
Best Male Cosplayer	Ron Marvin U. Juanillo	VSU-CAC	Aug. 7, 2012
Best Female Cosplayer	April Maze F. Jayectin	VSU-CAC	Aug. 7, 2012
Best in Costume	Dexter E. Pangelino	VSU-CAC	Aug. 7, 2012
Best in Props	Gino V. Esmero	VSU-CAC	Aug. 7, 2012
1 <sup>st</sup> place - National Statistics Quiz Show (Local)	Hannah Jane A. Esperidion	VSU	Aug. 7, 2012
2 <sup>nd</sup> place - National Statistics Quiz Show (Local)	Jessie James D. Layan	VSU	Aug. 7, 2012
3 <sup>rd</sup> place - National Statistics Quiz Show (Local)	Bernadeth P. Balonga	VSU	Aug. 7, 2012



NAME OF AWARD	RECIPIENT	AGENCY/COMPETITION	DATE
Champion in Oration	Edelle Marie B. Tulin	3 <sup>rd</sup> Voice of the Youth National Oratorical Competition (Division Level)	Nov. 9, 2012
1 <sup>st</sup> place - Arnis (Men)	Christian Ulysses G. Cagasan Prince Darius A. Lina Miguel Albert M. Taveros	DepEd	Oct. 5-6, 2012
1 <sup>st</sup> place - Table Tennis (Women - Single)	Ann Gay D. Vestra	DepEd	Oct. 5-6, 2012
1 <sup>st</sup> place - Table Tennis (Men- Single)	John Mari D. Membrebe	DepEd	Oct. 5-6, 2012
1 <sup>st</sup> place - Badminton (Men - Single)	Reeves Ian Stephane B. Ababat	DepEd	Oct. 5-6, 2012
1 <sup>st</sup> place - Badminton (Women - Single)	Kimberly Joy S. Torres	DepEd	Oct. 5-6, 2012
1 <sup>st</sup> place - Lawn Tennis (Women - Single)	Jemimah P. Jabines	DepEd	Oct. 5-6, 2012
1 <sup>st</sup> place - Track Women 2	Kim Alyssa S. Pialago Jean M. Baleria	DepEd	Oct. 5-6, 2012
Coconut Cookfest - 3 <sup>rd</sup> place	Joan O. Maputol	DA & NCRC-V	Dec. 14, 2012



# Awards received by VSU academic staff/researchers

NAME OF AWARD	RECIPIENT	AGENCY	DATE
<b>INTERNATIONAL LEVEL</b>			
Post-Doctoral Fellowship	Dr. Rotacio S. Gravoso	Erasmus Mundus Action Programme 2	Dec. 1, 2012- May 31, 2013
The John Dillon Memorial Fellowship Award on Research Management	Dr. Rotacio S. Gravoso	ACIAR	Feb. 13, 2012- Mar. 21, 2012
International Travel Fellowship	Dr. Victor B. Asio	Australian Council of Deans	Feb. 15-16, 2012
Visiting Professorship	Dr. Victor B. Asio	UH Biodiversity Project (DAAD)	April 14, 2012- May 13, 2012
Best Research Paper - 2 <sup>nd</sup> Runner-Up	Dr. Lucia M. Borines	ACIAR	July 3, 2012
Best Research Poster	Dr. Lucia M. Borines Prof. Reny G. Gerona	ACIAR	July 3, 2012
Best Research Poster - 2 <sup>nd</sup> Runner-Up	Dr. Lucia M. Borines Dr. Ruben M. Gapasin	ACIAR	July 3, 2012
ACIARCADEMY - Best Supporting Actress	Dr. Lucia M. Borines	ACIAR	July 3, 2012
Honorary Senior Research Fellow	Dr. Arturo E. Pasa	University of Queensland	Sept. 1, 2012
<b>NATIONAL LEVEL</b>			
National Volleyball Referee	Florife A. Gatchalian	National SCUAA	Feb. 22, 2012
2012 PARRFI Professorial Chair Awardees	Dr. Antonio L. Acedo, Jr. Dr. Feliciano G. Sinon	PAARFI	Mar. 22, 2012 Sept. 18, 2012
Best Paper - 3 <sup>rd</sup> place	Dr. Daniel Leslie S. Tan	2012 PSAE	Apr. 23-27, 2012
Best Poster	Dr. Daniel Leslie S. Tan	2012 PSAE	Apr. 23-27, 2012
National TVET Trainer Certificate - Level I in Horticulture - NCII	Dr. Rosario A. Salas Prof. Elizabeth D. Briones Dr. Zenaida C. Gonzaga Prof. Arsenio D. Ramos Ms. M. M. Benitez	TESDA	April 25, 2012
Best Research - 3 <sup>rd</sup> place - (Processing, Food Engineering, & Materials Science Category)	Dr. Daniele Leslie S. Tan Prof. Ramon R. Orias Dr. Daniele Leslie S. Tan	PSAE	April 27, 2012



NAME OF AWARD	RECIPIENT	AGENCY	DATE
Best Poster Award - 1 <sup>st</sup> place	Dr. Daniele Leslie S. Tan Dr. Julie D. Tan Engr. Ruel B. Delantar Mr. Mark A. Atanacio	PSAE	April 27, 2012
Best Poster Award	Dr. Lucia M. Borines Dr. Rosalie Daniels Dr. Carlos De la Cruz Prof. Reny Gerona Dr. Ruben Gapasin Mr. Job Abuyabor Engr. Mike Pedroso Mr. Romualdo Marcelino Mr. Julio Muñoz Ms. Victoria Palermo Mr. Gil Guadalquiver Dr. David Guest	PPS, Inc.	May 11, 2012
Pest Management Award in Instruction	Dr. Lucia M. Borines	PMCP, Inc.	May 11, 2012
Best Poster Paper Award	Dr. Lucia M. Borines Prof. Reny G. Gerona Dr. Ruben M. Gapasin	Phil. Phytho-Pathological Society (PPS) Inc.	May 11, 2012
Best Paper Senior Category - 2 <sup>nd</sup> place	Dr. Anabella B. Tulin Mr. Chris G. Dorahy Ms. Mechelle B. Rañises Ms. Marciana B. Galambao	PSSST	May 18, 2012
Best Poster - 1 <sup>st</sup> place	Dr. Zenaida C. Gonzaga Mr. Jonathan S. Mangmang Ms. Dhenber C. Lusanta Mr. Hubert B. Dimabuyu	ACIAR-PCAARRD	July 2-3, 2012
Plaque of Recognition	Dr. Lorina A. Galvez	DOST	July 12, 2012
NC II - Food Processing Assessor	Dr. Roberta D. Lauzon Dr. Lorina A. Galvez	TESDA	July 17, 2012
Plaque of Appreciation	Dr. Wlfreda T. Alesna Engr. Sean O. Villagonzalo	DOST-PCAARRD	July 18, 2012
2012 Outstanding UPLB Alumnus for Science and Technology University Management	Dr. Jose L. Bacusmo	UPLB Alumni Association - (UPLCAA)	Oct. 9, 2012
College of Agriculture (CA) Distinguished Alumnus Award for Institutional Organization & Development	Dr. Jose L. Bacusmo	UPLBCAA	Oct. 9, 2012
College of Agriculture (CA) Distinguished Alumnus Award for Postharvest Horticulture	Dr. Antonio L. Acedo, Jr.	UPLBCAA	Oct. 9, 2012



NAME OF AWARD	RECIPIENT	AGENCY	DATE
College of Agriculture (CA) Distinguished Alumnus Award for Plant Disease Management	Dr. Ruben M. Gapasin	UPLBCAA	Oct. 9, 2012
College of Agriculture (CA) Distinguished Alumna Award for Food Science and Technology	Dr. Roberta D. Lauzon	UPLBCAA	Oct. 9, 2012
2012 AFMA Best R&D Paper (Gold Winner) - Basic Research Category	Dr. Lucia M. Borines Prof. Rene G. Gerona Dr. Ruben M. Gapasin Ms. Victoria G. Palermo Mr. Gil Guadalaquiver Dr. Carlos S. Dela Cruz Dr. Rosalie Daniel Dr. David Guest	DA-BAR	Oct. 17-18, 2012
2012 AFMA Best Paper (Silver Winner) - Applied Research TA/TV Agriculture Category	Dr. Anabella B. Tulin Ms. Marciana M. Galambao	DA-BAR	Oct. 17-18, 2012
Qualifier for the AFMA Award	Dr. Edgardo E. Tulin Ms. Zenaida T. Ecleo Mr. E. B. Barsalote	DA-BAR	Oct. 17-18, 2012
Qualifier for the AFMA R&D Best Paper Award	Dr. Zenaida C. Gonzaga Ms. Dhenber C. Lusanta Mr. Hubert B. Dimabuyu	AFMA/NRS	Oct. 17-18, 2012
<b>REGIONAL LEVEL</b>			
Best Paper Award - 3 <sup>rd</sup> place (Biotechnology Category)	Dr. Julius V. Abela Dr. Serena L. Sanchez Dr. Alberto A. Taveros	PSAS-Visayas Chapter	Aug. 15-18, 2012
Best Paper Award - 3 <sup>rd</sup> place (Applied Research Category)	Dr. Julius V. Abela Dr. Alberto A. Taveros	PSAS-Visayas Chapter	Aug. 15-18, 2012
Service Award	Ms. Ana Asumpta N. Perez	FAPORE & PRC	Aug. 25, 2012
Coach of Champion - Open Chess Tournament	Ms. Mary Jane M. Sapan	Derek Banks Open Chess Tournament	Sep. 29-30, 2012
Finisher - 36 <sup>th</sup> Milo Marathon	Mr. Ricorido C. Nanggan, Jr.	Nestle Phil. Thru Cebu City Sports Dev't.	Oct. 7, 2012
2 <sup>nd</sup> place - Physical Science Team Category (Adviser)	Ms. Lynette C. Cimafranca	DepEd & Intel	Oct. 7, 2012
Champion Coach	Mr. Jovel M. Aberilla	Regional SCUAA	Oct. 21-25, 2012



NAME OF AWARD	RECIPIENT	AGENCY	DATE
Best Poster	Dr. Zenaida C. Gonzaga Ms. Dhenber C. Lusanta Mr. Hubert B. Dimabuyu O. F. Abrantes	Phytopathological Society, Inc.- Visayas Division	Oct. 25-26, 2012
Service Award	Ms. Ana Asumpta N. Perez	ORNAP-Leyte Chapter	Nov. 2, 2012
Best Poster	Dr. Zenaida C. Gonzaga Mr. Jonathan S. Mangmang Ms. Dhenber C. Lusanta Mr. Hubert B. Dimabuyo	ViCARP-RRDEN	Nov. 21-23, 2012
RDE Outstanding Project - Research Category	Dr. Julie D. Tan Dr. Julieta R. Roa Ms. Inish Chris P. Mesias Ms. Lourdes E. Lota	ViCARP-RRDEN	Nov. 21-23, 2012
RDE Outstanding Project - Development Category	Dr. Zenaida C. Gonzaga Dr. Othello B. Capuno Dr. Pedro T. Armenia Engr. Manolo B. Loreto, Jr. Prof. Reny G. Gerona Prof. Lilian B. Nuñez Dr. Lucia M. Borines Dr. Anabella B. Tulin Mr. Jonathan S. Mangmang Ms. Elsie R. Tauza Ms. Dhenber C. Lusanta Mr. Hubert B. Dimabuyo Ms. Ma. Lilia P. Vega Dr. Ken M. Menz Dr. Gordon S. Rogers	ViCARP-RRDEN	Nov. 21-23, 2012
RDE Outstanding Project - Extension Category	Mr. Eduardo Y. Zabala, et. al Dr. Alberto A. Taveros	ViCARP-RRDEN	Nov. 21-23, 2012
Best RDE Paper - Development Category	Prof. Reny G. Gerona Dr. Lucia M. Borines	ViCARP-RRDEN	Nov. 21-23, 2012
Best R&D Poster - 1 <sup>st</sup> place	Dr. Ruben M. Gapasin Dr. Carlos S. Dela Cruz Dr. Lucia M. Borines Ms. Renila P. Garcia Ms. Christine T. Advincula	ViCARP-RRDEN	Nov. 21-23, 2012
Best R&D Posters - 2 <sup>nd</sup> place	Dr. Carlos S. Dela Cruz Dr. Ruben M. Gapasin Ms. Reny G. Gerona Ms. Brenda B. Almeroda Mr. Mario Socrates P. Tisado Ms. Mattia Bernadette Agres	ViCARP-RRDEN	Nov. 21-23, 2012
Best R&D Posters - 3 <sup>rd</sup> place (Research Category)	Dr. Luz O. Moreno Dr. Ruben M. Gapasin Prof. Flora Mia Y. Duatin Mr. Felix L. Ocon Ms. Amie A. Parac J. G. Jacobe	ViCARP-RRDEN	Nov. 21-23, 2012



NAME OF AWARD	RECIPIENT	AGENCY	DATE
Best R&D Posters - 4 <sup>th</sup> place	Dr. Edgardo E. Tulin Mr. Edgardo B. Barsalote	ViCARP-RRDEN	Nov. 21-23, 2012
Best R&D Posters - 5 <sup>th</sup> place	Dr. Anabella B. Tulin Ms. Venus O. Saz	ViCARP-RRDEN	Nov. 21-23, 2012
Best RDE Paper			
Regional Qualifier - 3 <sup>rd</sup> place	Mr. Ricarido C. Nanggan, Jr.	Negros Occ. Football Assoc.	Nov. 25, 2012
SMART Football Tournament			
<b>INSTITUTIONAL/MUNICIPAL LEVEL</b>			
Certificate of Recognition - (Adviser - 1 <sup>st</sup> place, Physical Science Category - Team)	Dr. Roberta D. Lauzon	VFES	Jan. 2012
Keeper of Service Award	Dr. Pedro T. Armenia Dr. Lolito C. Bestil Prof. Lydia V. Presbitero Dr. Justino M. Quimio Dr. Felix M. Salas	VSU	Mar. 5, 2012
News Writing Competition - 3 <sup>rd</sup> place	Ms. Elisa D. Espinosa	OVPRE	Mar. 15, 2012
Service Award	Prof. Thelma C. Zafrá Prof. June Nonie A. Sales Mr. Jovel M. Aberilla Mr. Josell R. Cayetano Mr. Jesus Freddy M. Baldos Ms. Gilda P. Nayre	CAC	Mar. 18, 2012
Certificate of Recognition (Adviser - Best Undergraduate Thesis)	Dr. Editha G. Cagasan	VSU DevCom Alumni Association	April 9, 2012
Certificate of Recognition (Adviser - 2012 Outstanding Undergraduate Thesis - Social Sciences)	Dr. Rotacio S. Gravoso	Phi Delta Honor Society of Science	April 11, 2012
Certificate of Recognition - (Adviser - Best Undergraduate Thesis)	Dr. Roberta D. Lauzon	Phi Delta Honor Society of Science	April 11, 2012
Certificate of Recognition (Adviser - Best Undergraduate Paper in Dev't Communication)	Dr. Editha G. Cagasan	VSU DevCom Alumni Association	April 9, 2012
1 <sup>st</sup> placer - Road Bike Challenge	Mr. Ricarido C. Nanggan, Jr.	Baybay LGU	May 11, 2012
Plaque of Recognition	Dr. Fe J. Dagoy	Brgy. Guadalupe LGU	June 21, 2012



NAME OF AWARD	RECIPIENT	AGENCY	DATE
Outstanding Paper - Development Category	Dr. Zenaida C. Gonzaga Mr. Jonathan S. Mangmang Ms. Dhenber C. Lusanta Mr. Hubert B. Dimabuyu	VCARP/RRDED	June 22, 2012
Best Completed Project - 2 <sup>nd</sup> Prize - Research Category	Dr. Lucia M. Borines Prof. Reny G. Gerona Dr. Ruben M. Gapasin	VCARP/RRDED	June 22, 2012
Best On-going Research Paper	Dr. Zenaida C. Gonzaga Mr. Jonathan S. Mangmang Ms. Dhenber C. Lusanta Mr. Hubert B. Dimabuyu	VCARP/RRDED	June 22, 2012
Best On-going Research Paper (continued)	Dr. Ruben M. Gapasin Dr. Lucia M. Borines	VCARP/RRDED	June 22, 2012
2012 Champion Kulas Cup - Football Tournament	Mr. Ricorido C. Nanggan, Jr.	Baybay City Football Club	Aug. 5, 2012
Exemplary Academician Award	Dr. Anabella B. Tulin	VSU	Aug. 11, 2011
Model Administrative Assistant Award	Ms. Helen P. Seco	VSU	Aug. 11, 2011
Loyalty Award	Ms. Nelia J. De Veyra Dr. Alfredo A. Porcare Ms. Lorna A. Arseño Ms. Sonia N. Bactol Ms. Sarah M. Chua	VSU-Alangalang	Sept. 7, 2012
Certificate of Recognition - (Adviser - 1 <sup>st</sup> & 5 <sup>th</sup> place, Physical Science Category; 3 <sup>rd</sup> , 4 <sup>th</sup> , & 7 <sup>th</sup> places - Life Science Category)	Dr. Roberta D. Lauzon	VSULHS	Sept. 18, 2012
Certificate of Recognition - (Adviser - 2 <sup>nd</sup> place, Physical Science Category & 2 <sup>nd</sup> place - Life Science Category)	Ms. Lynette C. Cimafranca	VSULHS	Sept. 18, 2012
Certificate of Recognition - (Adviser - 1 <sup>st</sup> & 5 <sup>th</sup> places - Physical Science Category)	Dr. Roberta D. Lauzon	VSULHS	Sep. 17-18, 2012
Certificate of Recognition - Adviser - 3 <sup>rd</sup> , 4 <sup>th</sup> & 7 <sup>th</sup> places - Life Science Category)	Dr. Roberta D. Lauzon	VSULHS	Sep. 17-18, 2012
Certificate of Recognition - (Adviser - 1 <sup>st</sup> place - Life Science Group Category)	Dr. Felix M. Salas	VSULHS	Sep. 17-18, 2012
Loyalty Award	Dr. Felipe Q. Albeos Ms. A. D. Corpiz	VSU Villaba	Sept. 27, 2012



NAME OF AWARD	RECIPIENT	AGENCY	DATE
Certificate of Recognition - 1 <sup>st</sup> place, Fun Walk (women's division, 45 yrs old & above category)	Editha J. Ablen	VSU Isabel	Sept. 27, 2012
Certificate of Recognition - 1 <sup>st</sup> place, Fun Walk (men's division, 45 yrs old & above category)	Gerry G. Sumalinog	VSU Isabel	Sept. 27, 2012
Certificate of Recognition - 3 <sup>rd</sup> place, Fun Walk (women's division, 36 - 44 yrs category)	Jennefer C. Galler	VSU Isabel	Sept. 27, 2012
Certificate of Recognition - 1 <sup>st</sup> place, Fun Walk (men's division, 45 yrs old & above category)	Gerry G. Sumalinog	VSU Isabel	Sept. 27, 2012
Certificate of Recognition - 3 <sup>rd</sup> place, Fun Walk (women's division, 36 - 44 yrs category)	Jennefer C. Galler	VSU Isabel	Sept. 27, 2012
Loyalty Award	<p>35 years of service            Dr. Perla M. Tan            Dr. Andresito D. Acabal            Prof. Celso P. Ensoy            Mr. Raul L. Abit            Mr. Raul F. Valenzona            Mr. Prisco P. Vidal            Mr. Jaime A. Mazo</p> <p>30 years of service            Dr. Eutiquio E. Sudaria            Dr. Marcelo A. Quevedo            Dr. Nestor L. Pido            Dr. Pedro T. Armenia            Dr. Rodrigo F. Sebidos            Prof. Algerico M. Mariscal            Prof. Vicente B. Antipaso            Prof. Fatima T. Baliña            Prof. Tessie C. Nuñez            Ms. Andreli D. Pardales            Ms. Eva S. Subere            Ms. Teresita Y. Cosares            Ms. Velma P. Bontuyan            Ms. Maria A. Nuñez            Ms. Marilyn A. Orquilla            Ms. Norma O. Villas            Ms. Fe. C. Calunangan            Ms. Gilda D. Duran            Ms. Luzminda G. Cachuela            Ms. Arlin B. Flandez            Mr. Alex P. Bagarinao            Mr. Arnulfo T. Galenzoga            Mr. Diosdado M. Torrecampo            Mr. Eduardo B. Asilom            Mr. Rodrigo D. Braga</p>	VSU Main	Sept. 28, 2012



NAME OF AWARD	RECIPIENT	AGENCY	DATE
	Mr. Isabelo P. Bagarinao Mr. Juanito F. Poliquit Mr. Constancio R. Patonona		
	25 years of service Dr. Monina M. Escalada Dr. Luz O. Moreno Dr. Ma. Salome B. Bulayog Dr. Anilfa L. Abenoja Dr. Humberto R. Montes, Jr. Dr. Faustino P. Villamayor Prof. Marita I. Galinato Prof. Ma. Nena Q. Ramos Prof. Elsie E. Salamat Ms. Heide S. Lasquites Mr. Armando P. Albarico Mr. Fernando N. Montajes Mr. Gaspar S. Arpoceple Mr. Lolito D. Caña		
	20 years of service Dr. Beatriz C. Jadina Dr. Erlinda A. Vasquez Dr. Zenaida C. Gonzaga Dr. Christina A. Gabrillo Dr. Rosalina D. Poliquit Dr. Felix M. Salas Dr. Arturo E. Pasa Prof. Agnes M. Taveros Prof. Yolanda D. Mangaoang Prof. Manuel E. Casangcapan Ms. Joserose B. Capricho Ms. Ma. Agnes P. Hermano Ms. Ma. Zaida A. Flores Ms. Dalisay F. Andres Ms. Ginas Aurea A. Villagonzalo Ms. Gloria E. Bancale Ms. Teodora Doris P. Braganza Ms. Vivian V. Balbarino Ms. Erlinda S. Esguerra Mr. Manuel C. Bartolini Mr. Felix L. Ocon Mr. Bernardito R. Fernandez Mr. Jerry B. Posas Mr. Joel M. Israel Mr. Nolito L. Rabanos Mr. Vergite C. Meliton		
	15 years of service Dr. Dinah M. Espina Prof. Flora Mia Y. Duatin Prof. Alan B. Loreto Prof. Braulio B. Alfaro, Jr. Ms. Chona A. Brit Ms. Leonarda A. Maurillo Mr. Jesus M. Abenoja		



NAME OF AWARD	RECIPIENT	AGENCY	DATE
	10 years of service Dr. Edgardo E. Tulin Ms. Pauline S. Caintic Dr. Evelyn S. Cortez Mr. Calextro O. Aure Mr. Dale P. Loreto		
Outstanding Alumni Award	Dr. Edgardo E. Tulin	Albuera	
Outstanding Alang-alanganon	Dr. Lilibeth G. Miralles	TAOAFI-LGU Alangalang, Leyte	Nov. 8, 2012
Most Outstanding Teacher	Dr. Alfredo A. Porcare	LGU-CHED/DepEd	Dec. 14, 2012



# Publications authored/co-authored by faculty members and researchers

AUTHOR	TITLE	WHERE PUBLISHED
Acedo, A. L. Jr., K. Weinberger, R. J. Holmer, & d' Arros Hughes, J. 2012	Postharvest research, education and extension: AVRDC - The World Vegetable Center's experience	Acta Horticulturae 943:47-61
Acedo, V.Z. and C.C. Arradaza. 2012	Development of <i>In vitro</i> Slow Growth Culture for Yam ( <i>Dioscorea alata</i> L.)	Annals of Tropical Research 34:79-95
Alas, E. J. G. & E. B. Lañada. 2011	Environmental Factors Associated with the Occurrence of <i>Vibrio parahaemolyticus</i> in Oysters Collected in Naungan Estuarine River, Ormoc City	Proceedings of the 32 <sup>nd</sup> PVMA-EV Annual Scientific Conference & Workshop, COA Mini-Theater, Candahug, Palo, Leyte, Phil. Oct. 12-14, 2011
Armecin, R. B. & W.C. Cosco. 2012	Abaca ( <i>Musa textiles</i> Nee) allometry for above-ground biomass and fiber production	Biomass & Bioenergy 46 (2012) 181-189; published by Elsevier SciVerse ScienceDirect; available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>
Armenia, P.T.; M.S.B. Bulayog; T.A. Patindol, M.N.V. Serino, N.M. Glova. 2012	Socio-Economic Baseline for the REDD+ Project Sites in Southern Leyte, Philippines	Published Book by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
Austero, J.A.; P.T. Armenia; & M.N.V. Serino. 2012	Employment Outcomes of Graduates in Selected Higher Educational Institutions in Eastern Visayas, Philippines	Annals of Tropical Research. 34(1):147-162
Bande M.M., J. Grenz, V. B. Asio, & J. Sauerborn. 2012	Nutrient Uptake and Fiber Yield of Abaca ( <i>Musa textilis</i> var. <i>Laylay</i> ) as Affected by Shade, Irrigation and Fertilizer Application	Annals of Tropical Research 34:1-28
Bande, M.J., J. Grenz, V. B. Asio, and J. Sauerborn. 2012	Fiber yield and quality of abaca ( <i>Musa textilis</i> var. <i>Laylay</i> ) grown under different shades conditions, water and nutrient management	Industrial Crops and Products 42: 70-77
Buntong, B., A. L. Acedo Jr., and S. Kanlayanarat. 2012	Quality management in tomato supply chains in Cambodia	Acta Hort. 943:157-160



AUTHOR	TITLE	WHERE PUBLISHED
Buntong, B., A.L. Acedo, Jr., and S. Kanlayanarat. 2012	Current supply chains of tomato in Cambodia	Acta Hort. 943:259-263
Chanthasombath, T., A.L. Acedo, Jr., and S. Kanlayanarat. 2012	Cabbage quality management in domestic and export supply chains in Laos	Acta Hort. 943:161-167
Chanthasombath, T., A.L. Acedo, Jr., and S. Kanlayanarat. 2012	Current supply chains of cabbage in Lao PDR	Acta Hort. 943:265-270
Chanthasombath, T., V. Srilaong, T. Wasusri, S. Kanlayanarat and A.L. Acedo, Jr. 2012	Cabbage supply chain mapping and postharvest loss in the domestic and export trade in Lao PDR	International Food Research Journal 19(4): 1615-1620
Escalada, M.M. & K. L. Heong. 2012	Using decision theory and sociological tools to facilitate adoption of biodiversity- based pest management strategies	Biodiversity and insect pests: key issues for sustainable management (Eds. Geoff M Gurr, Steve D. Wratten & Bill E. Snyder). Oxford: John Wiley & Sons Ltd.
Escalada, M.M. & K.L. Heong. 2012	Communicating biodiversity and ecological engineering to farmers	Ecological Engineering for Pest Management in Rice (a monograph)
Federicos, M.A.S & R.S. Gravoso. 2012	Outcomes from learning online: The case of rice farmers and extension workers in the Philippines	Annals of Tropical Research, Vol. 34 No. 1 (June 2012)
McClintock, A.; L.S. Preciados; L. Orr; M.S.B. Bulayog. 2012	Economic Impacts of Protected Cropping Technology for Vegetable Production in the Southern Philippines	Economic Research Report No. 48. Trade and Investment, NSW Government
Navarrete, I.A. and V.B. Asio. 2012	Heavy metals content of two red soils in Samar, Philippines	Annals of Tropical Research 33: 143-161
Navarrete, I.A., K. Tsutsuki, and V.B. Asio. 2012	Characteristics and fertility constraints of degraded soils in Leyte, Philippines	Archives of Agronomy and Soil Science (in press) DOI:10.1080/ 03650340.2012.663908
Navarrete I.A., L. Tsutsuki, V.B. Asio, T. Masayuki T, J. Sueta. 2011	Chemical, mineralogical and morphological characteristics of a late Quaternary sedimentary-rock derived soils in Leyte, Philippines	Soil Science 176: 699- 708
Patindol, T.A., et. al 2012	Socio-economic Baseline for the REDD+ Project Sites in Southern Leyte, Philippines	Monograph
Patindol, T.A. 2009 (released in 2012)	Spatio-temporal Distribution of Kalaw ( <i>Buceros hydrocorax semigaleatus</i> ) at the Foothills of Mt. Pangasugan, Baybay, Leyte	Science & Humanities Journal, VSU



AUTHOR	TITLE	WHERE PUBLISHED
Patindol, T.A. 2009 (released in 2012)	Habitat Preferences of the Philippines Tarsier ( <i>Tarsius syrichta</i> L.) in Loboc, Bohol, Philippines	Science & Humanities Journal, VSU
Patindol, T.A. and J.M. Quimio. 2012	Post Biological Research Assessment in Samar Island National Park	
Weidner, S., N. Buennen, Z.L. Casillano, R.S. Come, J. Erhardt, P. Frommberg, F. Peuser, & E. Ringhof. Dec. 2011	Towards Sustainable Land-use: A Socio-economic and Environmental Appraisal of Agroforestry Systems in the Philippine Uplands	SLE Publication Series – S246
Weinberger, K. and A.L. Acedo, Jr. 2011 (released in 2012)	Development and diffusion of vegetable postharvest and processing technologies in the Greater Mekong Subregion of Asia	In: Da Silva, C.A. and Mhlanga, N. (eds.). Innovative Policies and Institutions to Support Agro-Industries Development. Rome, Italy: Food and Agriculture Organization of the United Nations (FAO). p. 353-373



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Dr. Julieta R. Roa	- <i>Director, Philippine Root Crop Research &amp; Training Center</i>
Dr. Ruben M. Gapasin	- <i>Director, National Abaca Research Center</i>
Dr. Ma. Juliet C. Ceniza	- <i>Director, National Coconut Research Center-Visayas</i>
Dr. Pastor P. Garcia	- <i>Director, Eco-Farm and Resource Management Institute</i>
Ms. Rebecca B. Napiere	- <i>University Librarian</i>
Ms. Linda N. Mariscal	- <i>University Registrar</i>
Dr. Elwin Jay V. Yu	- <i>Medical Officer V</i>



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### BOARD SECRETARY

**MR. DANIEL M. TUDTUD, JR.**

*Board Secretary, Visayas State University, Visca, Baybay City, Leyte*



## Goals

1. Produce high and middle-level quality manpower in agriculture and allied fields to serve the development needs of the region.
2. Generate agricultural production and processing technologies and technology dissemination strategies adaptable to small farms.
3. Advocate effective policy formulation and management of rural development programs.
4. Improve the productivity, profitability, equity, and well-being of the Visayan farmers and their household members through ecologically sound natural resources management.
5. Promote effectiveness, efficiency, and productivity in the operation of the university system.

## 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 regional institutions and agencies for the promotion of relevant instruction, meaningful research, and effective transmission of useful knowledge in the rural communities in the Visayas.





## 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.