

VSU

VISCA, BAYBAY CITY

LEYTE, PHILIPPINES

www.vsu.edu.ph



ANNUAL REPORT 2010



Visayas State University

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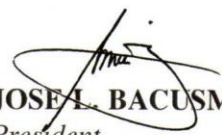
FOREWORD

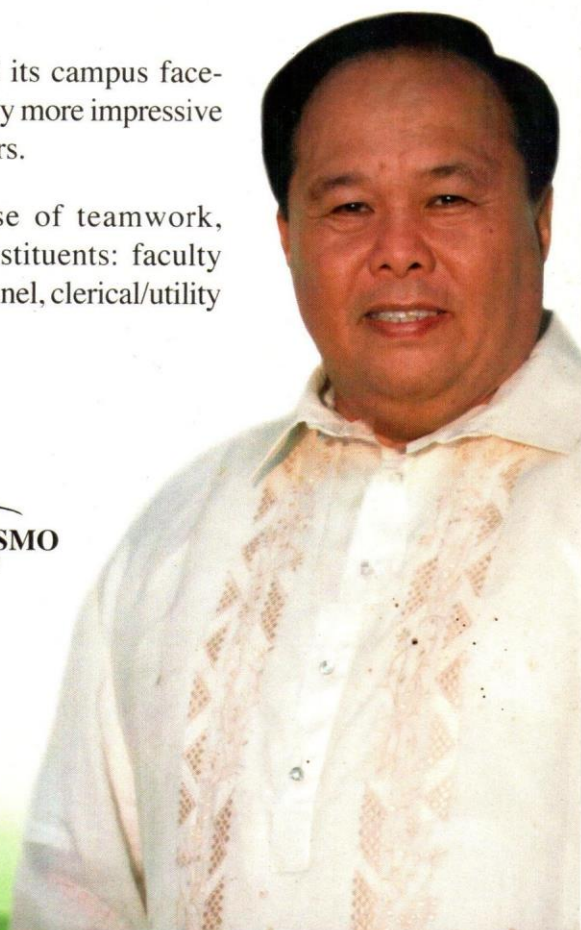
The passion for quality services relative to instruction, research, extension, and production programs was maintained as the battle cry of the administration of the Visayas State University (VSU) in 2010. Although the university had stretched its budgetary allotment in that year to satisfy the financial requirements for all its major thrusts, it was not deterred to vigorously pursue all its plans and programs.

In **instruction**, VSU submitted itself for institutional accreditation to the Accrediting Agency for Chartered Colleges and Universities in the Philippines (AACCUP), thus earning the prestige of being the first state university throughout the country to be institutionally accredited. Likewise, nine (9) degree programs were accredited Level I. A number of curricular programs were revised to be compliant with CHED memorandum orders. During the year, the university produced toppers in Agricultural Engineering, Geodetic Engineering, Agriculture, Veterinary Medicine, and Teacher Education licensure examinations administered by the Professional Regulations Commission (PRC). In **research**, the university made it again by winning the *Outstanding Research Institution* or *Tanglaw Award*, *PANTAS Award for Research Administration Category* and *PANTAS Award for Researcher/Scientist Category*. It implemented a greater number of researches funded by foreign, national, and local donors/agencies with a total budget of almost thirty-four million pesos. On the other hand, in **extension involvement** and **production programs**, the university disseminated information bulletins, brochures, and CDs on high yielding and pest resistant varieties, cultural management practices, and mature technologies to farmers and target clientele in Visayas and Mindanao regions. Research centers, like PhilRootcrops, NARC, and NCRC-Visayas, continued to enrich their germplasm collections.

In spite of meager budget, the university continued its campus face-lifting and construction/repair activities to make the university more impressive and credible in the eyes of tourists/visitors and fund-donors.

The aforementioned were accomplished because of teamwork, cooperation, and concerted effort of all university constituents: faculty members, research and extension staff, administrative personnel, clerical/utility workers, and students.


JOSE L. BACUSMO
President



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HIGHLIGHTS



The PANTAS Awardees (L-R): Dr. Julieta R. Roa, Director of Philippine Root Crop Research and Training Center (PhilRootcrops) receiving the award for PhilRootcrops that won the Tanglaw Award or Outstanding Research Institution Award; Dr. Jose L. Bacusmo, VSU President and Visayas Consortium for Agriculture and Resources Program (ViCARP) Regional R and D Coordinating Council Chairman, won the PANTAS Award (Research Administrator Category) and Dr. Roberto C. Guarte, VSU Vice President for Administration and Finance and Dean of the College of Engineering, also won the PANTAS Award (Research/Scientist Category) given by the Philippine Council for Agriculture, Forestry, and Natural Resources Research and Development (PCARRD).

- The Visayas State University (VSU) underwent an *Institutional Accreditation* on November 22-26, 2010 by the Accrediting Agency for Chartered Colleges and Universities of the Philippines (AACCUP) and a *First Level Accreditation of VSU's Degree Programs* on August 23-26, 2010: *BS in Agricultural Engineering, BS in Development Communication, Doctor of Veterinary Medicine, BS in Computer Science, BS in Food Technology, BS in Forestry, BS in Biology, BS in Statistics, and BS in Chemistry*. All these programs were accredited by AACCUP, Inc.
- The VSU-based **Philippine Root Crop Research and Training Center (PhilRootcrops)** won the *Tanglaw Award or Outstanding Research Institution Award* given by the Philippine Council for Agriculture, Forestry, and Natural Resources Research and Development (PCARRD) as outstanding institution that has contributed significantly to the national research system, particularly in the advancement of Philippine agriculture, forestry and natural resources research and development. This is the second time that PhilRootcrops had won the *Tanglaw Award*.



VSU as one of the universities in South and Southeast Asia to implement the project entitled "EXPERTS".

- **Dr. Jose L. Bacusmo**, VSU President and Visayas Consortium for Agriculture and Resources Program (ViCARP) Regional R and D Coordinating Council Chairman, won the **PANTAS Award (Research Administrator Category)** and **Dr. Roberto C. Guarte**, VSU Vice President for Administration and Finance and Dean of the College of Engineering, also won the **PANTAS Award (Researcher/Scientist Category)** given by the Philippine Council for Agriculture, Forestry, and Natural Resources Research and Development (PCARRD) for their management of science and pursuit of research undertakings which do not only manifest intelligence and knowledge but also perseverance, creativity, and resourcefulness.
- The **Visayas State University** was granted a Government Recognition (GR), dated December 20, 2010, by the Commission on Higher Education (CHED) on its Bachelor of Science in Nursing (BSN) program effective SY 2010-2011.
- The **Visayas State University (VSU)** was identified by the European Commission Erasmus Mundus, through the Georg-August Universität Göttingen in Germany, as one of the 13 universities in South and Southeast Asia (SSEA) from 10 countries (the only university from the Philippines) and seven (7) European partners to implement the project entitled "Exchange by Promoting Quality Education, Research and Training in South-East Asia (EXPERTS)".
- **VSU** was declared by the Philippine Sports for All Association (PSFAA) as the **Center for Arnis Training in Region 8** during the opening program of the Regional Arnis Seminar-Workshop on September 23, 2010 at the VSU Gymnasium.
- **VSU** was nominated by the Technical Education and Skills Development Authority (TESDA) of Leyte as its nominee to the **TESDA Regional Kabalikat Award** under the Institution Category for the outstanding performance of its graduates under the

Ladderized Education Program (LEP) and for initiating sustainable livelihood projects in the different communities through its extension services.

- **VSU College of Nursing** was granted by the *Department of Health - (DOH-RCATS)* a Cross Regional Affiliation with the Vicente Sotto Memorial Medical Center (VSMMC) of Cebu City for Psychiatric Nursing and Communicable Disease Nursing-Related Learning Experience (RLE)-Contract of Affiliation (COA).
- **VSU-Villaba** was identified by the Commission on Higher Education (CHED) under the National Agriculture and Fisheries Education System (NAFES) as the Provincial Institute of Agriculture in Leyte.
- VSU hosted seminars, symposia, consortium, summit during the year, as follows:
 - ✓ *3rd International Undergraduate Research Symposium (IURS)* which was held on January 6-15, 2010. The

participants of the symposium were students from the United States, Ecuador and the Philippines in order to advance international scientific interaction and collaboration among undergraduate students, faculty, and the local science community and to increase cultural understanding and peace among the participating countries.

- ✓ *23rd Annual Meeting and Continuing Education of Japan Overseas Cooperation Volunteer and Philippine Animal Science Association (JOCV-PASA)* held on March 18-20, 2010 with the theme: "A New Decade of Challenges and Opportunities." The occasion gave an opportunity for the scientists, academicians, agriculturists, veterinarians, and practitioners in the field of animal science to exchange ideas with the Japanese volunteers on current issues and concerns affecting the agricultural sector.

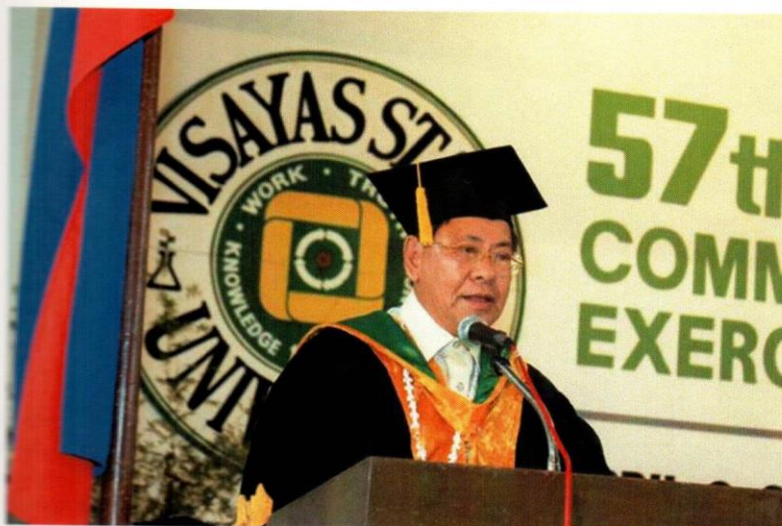


The participants of the 3rd International Undergraduate Research Symposium.

- ✓ *2nd Quarter Program Committee Meeting* of the Philippine Tropical Forest Conservation Foundation, Inc. (PTFCF) which was held on June 3, 2010. The Committee took charge of evaluating the project proposals submitted by the different non-government organizations (NGOs) and People's Organizations (POs) and recommended the qualified proposals based on the standard criteria to the PTFCF Board for Funding.
- ✓ *National Science Consortium (NSC) Meeting* held on June 25-27, 2010. The NSC is composed of seven (7) universities, namely: University of the Philippines Diliman (UP Diliman), University of the Philippines Los Baños (UP Los Baños), University of the Philippines Manila (UP Manila), University of the Philippines Visayas (UP Visayas), Ateneo de Manila University (ADMU), University of Santo Tomas (UST), Central Luzon State University (CLSU), Mindanao State University-Iligan Institute of Technology (MSU-IIT), De La Salle University (DLSU), and Visayas State University (VSU). The meeting aimed to achieve national standards for technical competence of trained MS and PhD graduates and to support national programs that contribute to human resources and development in science. The NSC will grant scholarships for MS and PhD students in the field of Applied Sciences.
- ✓ *1st Philippine Association for Plant Tissue Culture and Biotechnology (PAPTCB) Visayas Regional Symposium* on July 8-9, 2010 with the theme "Tissue Culture and Biodiversity Enhancement, Conservation and Utilization". The purpose of the symposium was to update the participants with the current developments and trends in tissue culture as well as government policies particularly on Tissue Culture Laboratory Accreditation. The participants were faculty members, administrators, researchers, and students from various government and private institutions throughout the country.
- ✓ *Sustainable Watershed Management and Forest Biodiversity Conservation Summit* on November 4-5, 2010 was held to raise the awareness and appreciation of stakeholders and policymakers on the importance of sustainable watershed management and forest biodiversity conservation in support of the coastal ecosystem, and to influence the participants to adopt the activities that sustain the development of watershed and forest biodiversity.
- ✓ *4th Quarter State Universities and Colleges-Association of Colleges of Agriculture in the Philippines, Inc. (SUC-ACAP) Executive Council Meeting* was held on November 6-7, 2010 at the VSU Center for Continuing Education (CCE).
- ✓ *7th Annual Conference of the Philippine Society for Lactic Acid Bacteria, Inc. (PSLAB)* was held on November 19, 2010 with the theme "Lactic Acid Bacteria (LAB) for Health and Wellness" to give emphasis on the importance of this particular group of microorganisms to fermentation and as essential companion for human's health benefits.
- ✓ *2nd Land Use and Development Forum* held on November 17-18, 2010 at the VSU Convention Center was aimed at discussing a very salient issue on unregulated land use of coastal ecosystem and its impact on sustainable development.
- ✓ *15th Natural Products Society of the Philippines (NPSP) Annual Convention* on December 2-3, 2010 at the VSU's Center for Continuing

Education (CCE) with the theme "Challenges of Product Development in Natural Products." The convention aimed to bring to the forefront the issues that the Society hopes to address as scientists continually explore and generate data on the potentials of the natural ingredients from various sources for pharmaceutical, nutritional, cosmeceutical, agricultural and other applications.

- **Dr. Alexander R. de Leon**, Associate Professor of the Department of Mathematics and Statistics of the University of Calgary in Alberta, Canada conducted a seminar on "Copula-based Regression Models for a Bivariate Mixed Discrete and Continuous Outcome" on January 13, 2010. He introduced to the participants the regression models for correlated mixed discrete and continuous outcomes constructed using copula functions. He also stressed that the proposed approach entails specifying marginal regression models for the outcomes and combining them to form a joint model via the Gaussian copula.
- **The Philippine-American Educational Foundation (PAEF)**, represented by Ms. **Eileen Consuelo D. Valdecañas**, Program Officer and Educational Advising Coordinator, in cooperation with the Agricultural Training Institute at the Visayas State University (ATI@VSU), conducted a Fulbright Promotion Program on January 19, 2010 at the VSU Center for Continuing Education (CCE).
- The **Farmers' Community Development Foundation (FCDF)** headed by **Dr. Ponciano Batugal**, together with the representatives of the United Nations Development Program (UNDP), National Anti-Poverty Commission (NAPC), Apayao State College (ASC), and Abra State Institute of Science and Technology (ASIST) were in VSU on January 26-28, 2010 to conduct an ocular visit to the major research centers based at the Visayas State University in order to showcase VSU as one good model that expanded the national food base through the use of relevant research technologies in response to the needs for food security and nutrition in the Philippines.
- **Dr. Nathaniel J. Dominy**, Assistant Professor of the Department of Anthropology at the University of California, Santa Cruz, California, USA, together with his two graduate students, visited VSU on February 9-12, 2010 to conduct their study in Mt. Pangasugan.
- **Sen. Edgardo J. Angara** was the Commencement Speaker during the 57th VSU Collegiate Commencement Exercises on April 8, 2010. In his message, Senator Angara expressed optimism that the current problems faced by the country such as



Senator Edgardo Angara was the Commencement Speaker during the 57th VSU Collegiate Commencement Exercises.

climate change, overpopulation, environment, and fast changing of technology could be resolved by the new graduates of the Visayas State University.

- **Mr. Farid Nolen**, Co-founder cum Consultant of Spired, an educational consultancy company in Sweden, and the concurrent Director of the Asian Institute of Technology (AIT) Mathivation Center, was the resource person of the Seminar on Math Motivation (Mathivation) on June 28, 2010. He introduced a new concept of Mathematics mentoring program leading to the implementation of nationwide educational model in Norway duly supported by the Norwegian Ministry of Education and Research, together with the Confederation of Norwegian Enterprise.
- **Dr. Cezar P. Mamaril**, Senior Consulting Expert of PhilRice and Farmer, served as the anniversary convocation speaker of the 4th Anniversary of the VSU College of Agriculture on July 2, 2010.
- **Honorable Andrew Egan**, Counselor of the Australian Agency for International Development (AusAID), represented **His Excellency Rod Smith**, Australian Ambassador to the Philippines as the guest speaker during the 86th VSU Anniversary Convocation Program on August 11, 2010.

He was also the guest of honor during the inauguration program of the Land Administration and Management (LAM) Learning Center held in the afternoon of August 11, 2010.

- **Atty. Andrew Michael S. Ong**, Deputy Director General of the Intellectual Property Office of the Philippines, and three others, namely: **Ms. Merlita M. Opeña**, Division Chief of the Research Information, Communication and Utilization Division of PCHRD-DOST, **Mr. Aristotle P. Carandang**, Division Chief of the Research and Production Division of S & T Information Institute, and **Ms. Francisca Bicomong**, Planning Officer of DOST Planning and Evaluation Service, were the resource speakers during the Intellectual Property (IP) Seminar Workshop held on September 9, 2010.
- **Dr. Yuan Kun Lee**, associate professor of the Department of Microbiology of Yong Loo Lin School of Medicine of the National University of Singapore and currently the president of the Asian Federation of Societies for Lactic Acid Bacteria (AFSLAB), was the keynote speaker during the 7th Annual Conference of the Philippine Society for Lactic Acid Bacteria, Inc. (PSLAB) held on November 19, 2010 at VSU.



Dr. Cezar P. Mamaril was the convocation speaker during the 4th anniversary of the College of Agriculture.



The awardees during the Farmers' and Fisherfolks Day: (clockwise) Mr. Zonito S. Callo, Mr. Alvin F. Morales, Ms. Alfriza P. Villasante, and Hinabian United Farmers' Association.

- Several farmers/entrepreneurs were given awards during the Farmers' and Fisherfolks Day (FFD) on August 9, 2010:
 - ✓ **Mr. Zonito S. Callo** from Hilongos, Leyte was the recipient of the **2010 Ugmad Outstanding Farmer-Entrepreneur Award**. He received a plaque from VSU and a cash prize of P20,000.00 from the Leyte Governor, Hon. Jericho L. Petilla.
 - ✓ **Ms. Alfriza P. Villasante** from Dagami, Leyte was the recipient of the **2010 Outstanding Rice Farmer Award**. She received a plaque from VSU and a cash prize of P10,000.00 from PhilRice.
 - ✓ **Mr. Alvin F. Morales** from Ormoc City was the recipient of the **2010 Outstanding Vegetable Farmer Award**. He received a plaque from VSU and a cash award of P10,000.00 from the East-West Seed Company.
 - ✓ **Hinabian United Farmers' Association** of St. Bernard, Southern, Leyte was the recipient of the **2010 Special Environmental Award**. It received a plaque from VSU and a cash award of P10,000.00 from the NatureLife-International.
- The following awards were given during the 86th Founding Anniversary Convocation Program of VSU on August 11, 2010:
 - ✓ **Sandigan Awards** – the Department of Environment and Natural Resources' initiated Land Administration and Management Project (DENR-LAMP) and the Australian Agency for International Development (AusAID).
 - ✓ **Mt. Pangasugan Awards** were given to retirees with leadership positions either as unit head, principal, director, dean or vice president prior to



The 2010 awardees: (L-R): Mr. & Mrs. Ernesto Cotillas (Family of the Year Award), Ms. Raquel Dohiling (Model Clerk Award), Dr. Anabella B. Tulin (Outstanding Researcher), and Mr. Veronico Almeroda (Special Award as Model for Good Behavior).

retirement: **Dr. Virginita G. Albarico**, **Dr. Jose M. Alkuino, Jr.**, **Dr. Zosimo M. de la Rosa**, **Dr. Erlinda O. Landerito**, **Dr. Juan S. Labra**, **Dr. Bimbo T. Mandras** (Posthumous), **Asso. Prof. Norberto F. Canada** (Posthumous), **Mrs. Milagrosa L. Gamotin**, and **Ms. Charito B. Español** (VSU Isabel).

- ✓ **Service Awards** were given to retirees with a number of years of faithful and dedicated service to the University: **Assoc. Prof. Gaudencio V. Cerna**, **Assoc. Prof. Erlinda F. Piad**, **Asst. Prof. Trinidad E. Faelnar**, **Mrs. Catalina M. Pascual**, **Mr. Dominador G. Poliquit**, **Mr. Panfilo D. Estremos**, **Mr. Raul J. Pagalan**, **Mr. Wilson Paterno C. Po**, **Mr. Domingo Posas**, **Mr. Antonio M. Ulbora**, **Dr. Beverlo P. Pascual** (Posthumous), **Mr. Eugenio M. Pinca** (Posthumous), **Asst. Prof. Felipa A. Albeos** (VSU Villaba), **Asst. Prof. Lilia C. Budlong** (VSU Alangalang), **Ms. Denia Y. Katangkatang** (VSU Alangalang), and **Asst. Prof. Obdullo R. Masendo** (VSU Alangalang).
- ✓ **Family of the Year Award** was given to **Mr. & Mrs. Ernesto Cotillas** and

Family for being confident that VSU can provide the best education for their four (4) children.

- ✓ **Outstanding Alumnus Award for Entrepreneurship** was given to **Mr. Jayme D. Bilocura** (BSAB, 1992).
- ✓ VSU faculty and staff awarded for their remarkable performance include: **Dr. Anabella B. Tulin** – **Outstanding Researcher Award**, **Ms. Raquel H. Dohiling** – **Model Clerk Award** and **Mr. Veronico Almeroda** – **Special Award as Model for Good Behavior**.
- ✓ **National Abaca Research Center (NARC)** was the recipient of the **2010 Both of the Year Award**
- The winners of the different categories of the 1st VSU Lantern Contest held on December 1, 2010 and participated in by the different centers, departments, and student organizations were: **PhilRootcrops** – **Lantern of the Year Award**; **Landscape/GSD** – **Most Original**; **VSU Laboratory High School** – **Most Symbolic**; **Alpha Phi Omega**, **International Collegiate Service Fraternity and Sorority** – **Most Artistic**; and **Infrastructure/GSD** – **Most Environment Friendly**.

OFFICE OF THE PRESIDENT



Dr. Jose L. Bocusmo, VSU President, with the AACUP accreditors.

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.

1. **The Alumni and Community Relations Office (ACRO)** linked regularly to the alumni abroad and updated them with the recent developments of the University; updated all alumni with Internet access with whatever alumni-related developments; assisted the VSU Alumni Association, Inc. in facilitating the activities of the annual general alumni homecoming in cooperation with the host batches and assisted them in soliciting funds from patrons, donors, and sponsors locally and abroad for the alumni

homecoming; coordinated with key administration officials and the different institutes, departments, centers and offices of the university on briefings to school officials, the conduct of demonstrations and lectures to campus visitors; facilitated the VSU benchmarking with the different schools and other institutions within and outside the region; conducted meetings with the Alumni Communicators regarding alumni-related activities within the VSU Campus; facilitated training requests of NGOs, POs and LGUs and request for campus tour of students, farmers, organizations, LGU, etc. from all over the country; and provided assistance to visiting alumni throughout the year.

2. The **Internal Audit Service Office (IASO)** reviewed and verified the correctness of the entries reflected in the monthly reports, schedules and its supporting documents submitted by 43 income generating projects (IGP) under special trust fund and revolving fund; required the project manager to comply with discrepancy noted during the course of audit; observed and witnessed the semi-annual inventory taking of supplies and materials and other farm products of the IGPs of the university under revolving fund and also the items on stock of the Supply and Property Management Office (SPMO); conducted an interim audit review of the University's Inventory of Equipment based on the individual folders of the employees in coordination with the in-charge of the Property Office and an audit review on the collections and remittances of the VSU Garden Beach Resort project; conducted audit observation during the harvest time of palay under Rice Seednet Projects, evaluated the methods and procedures used in the operational activities of the project and submitted findings and recommendations to the Office of the President; witnessed and observed the sacking of copra "resecada" at NCRC warehouse and its weighing at Brgy. Caridad, Baybay, Leyte; reviewed and verified appointments, notices of step increments of employees; and traced the postings to the individual index cards at the Accounting Office and the Human Resource Management Development Office and submitted findings and recommendations to the Office of the President.
3. The **Information Office (IO)** effectively carried out its role as information and publication arm of the University by giving emphasis on the promotion of VSU's programs and promoting a strong image of the University as an icon of academic and research excellence. Among others, the Office accomplished the following during the year: documented important University activities/programs, including those held on weekends, holidays, and outside office hours and published them in the VSU Obelisk, a newsweekly publication of the University; came up with 50 issues of the VSU Obelisk during the year; wrote and submitted articles for printing in regional publications as well as in the social networking sites and articles for release in the regional and national websites; produced video on the 2010 Collegiate Graduation Exercises in cooperation with the Department of Development Communication and promotional video and print materials for the VSU 86th Anniversary activities; prepared and sent advertisements of VSU's academic programs for printing in publications/souvenir programs; prepared and posted congratulatory tarpaulins for the awards received by VSU faculty, staff, and students; maintained the Bulletin Board near the OVPA by putting up thematic, educational, and socially constructive displays, including pictorial documentation of the University's significant activities; took charge of documenting the sporting events during the SCUAA Meet hosted by UEP; served as tour guides to VSU visitors; and promptly accomplished the University President's requests for write-ups, etc.

OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS



Students being interviewed by AACUP accreditors.

NEW CURRICULAR OFFERING

Undergraduate Program

- Bachelor of Secondary Education (BSEd) major in English was the new curricular offering of VSU-Isabel Campus.

CURRICULAR DEVELOPMENT

UNDERGRADUATE PROGRAM

- Revision of the following curricular offerings of the VSU Main Campus: new BS Agriculture (BSA) curriculum, in accordance with CHED Memo No.14 s. 2008, as approved by the Board of Regents

effective 1st Semester of SY 2010-2011 - ladderized BSA curriculum with majors in Plant Protection and Horticulture. The Department of Horticulture submitted to the College of Agriculture Curriculum Committee a proposal on the offering of a ladderized BS in Horticulture, both with thesis and non-thesis options.

- Compliance with the minimum requirements for the BS Chemistry program according to CHED Memo No. 18 series of 2007 and that of the new BSAB curriculum with CMO 24, s. 2007.
- Institution of Chemistry and Physics courses for the revised Bachelor of Secondary Education (BSEd) major in Physical Sciences and Bachelor of Elementary Education (BEEd) programs.

- The Department of Animal Science (DAS) participated in a national workshop for the development of teaching modules to be adopted by participating state universities and colleges (SUC) that offer Dairy Science as a major field in the agriculture curriculum.
- VSU Villaba Campus adopted CMO 14, s. 2008 and CMO 30, s. 2004 for its Agriculture and Teacher Education curricula, respectively.

EVALUATION/ASSESSMENT/ PRELIMINARY SURVEY

- **Level I Accreditation Status** was awarded to the following nine (9) VSU degree programs as a result of the Preliminary Survey conducted by AACCUP on August 23-26, 2010:
 - ✓ Doctor of Veterinary Medicine
 - ✓ BS Agricultural Engineering
 - ✓ BS Biology
 - ✓ BS Development Communication
 - ✓ BS Food Technology
 - ✓ BS Forestry
 - ✓ BS Computer Science
 - ✓ BS Statistics
 - ✓ BS Chemistry
- The re-evaluation visit of the representatives of CHED Central Office and CHED Region 8 and the Technical Panel for Nursing Education (TPNE) of the VSU BS in Nursing degree program on November 23-24, 2010 showed an **"exemplary" compliance** findings leading to the recognition of the BSN program of the university.
- The result of the PRC-CHED Assessment held on November 23, 2010 showed that the BS Chemistry program **"passed and complied"** with the requirements of PRC and CHED.
- The College of Veterinary Medicine was rated **"Complied"** by the CHED Region 8 Office on May 21, 2010 regarding its Doctor of Veterinary Medicine degree program.

ENROLMENT

During the 1st semester of school year 2010-2011, the VSU System had a total enrolment of 7,598 broken down, as follows:

- The VSU Main Campus had a total enrolment of 5,074 which comprised 190 graduate students (23 PhD and 167 MS/MAGDev/Med/MMgt), and 4,884 undergraduate students. The VSU Laboratory High School (VSULHS) had a total enrolment of 462 students, composed of 182 boys and 280 girls (Table 1).
- The external campuses had the following student enrolment: VSU Alangalang – 547; VSU Isabel – 923 (704 undergraduate and 219 non-degree programs), VSU Tolosa – 616 (596 undergraduate, 11 graduate, and 9 Supplemental), and VSU Villaba – 438.

GRADUATES

The VSU Main Campus presented 742 graduates during the 57th Collegiate Commencement Exercises, which include **22** graduates in the graduate program (2 PhD, 8 MS, 4 MAGDev, 1 M. Mgt., and 7 M. Ed.); **592** in the undergraduate program (149 BHRTM, 85 BEEd, 51 BAS, 48 BSA, 45 BSFT, 40 BSAB, 36 BSEd, 23 DVM, 20 BSDC, 18 BS Chem, 16 BS Bio, 14 BSCS, 9 BSS, 8 BSAE, 8 BS Econ, 7, BSDE, 6 BSHE, 5 BSF, 3 BSGGE, and 1 BS Ag Chem); **128** in the special programs (99 CHCS, 28 DAPT, and 1 CGT). **Fifty-three (53)** graduated with Latin honors: **7 Magna Cum Laude** and **46 Cum Laude** and **two (2)** from the certificate program graduated **with honors** (Table 2).

- ✓ Of the 115 high school graduates who received their diplomas during the VSULHS 80th Commencement Exercises, 11 earned the following distinction: 1 *Valedictorian*, 1 *Salutatorian* and 9 *With High Honors*.

The VSU external campuses had the following number of graduates: 66 from VSU Alangalang (28 BEEd, 8 BSEM, 9 BAT, 21 DAT); 126 from VSU Isabel; 43 from VSU Tolosa; and 39 from VSU Villaba.

Table 1. VSU Main Campus student enrolment by degree, First Semester, SY 2009-2010 and SY 2010-2011.

COURSE	1st Sem 2009-2010	1st Sem 2010-2011	Percent Increase/ Decrease
GRADUATE			
Ph. D.	21	23	
M. S.	57	95	
M. Ag. Dev.	28	21	
M. Ed.	34	27	
M. Mgt.	16	24	
Sub-total	156	190	21.8%
UNDERGRADUATE			
Doctor of Veterinary Medicine (DVM)	179	188	
BS in Agricultural Engineering (BSAE)	50	55	
BS in Geodetic & Geomatics Engineering (BSGGE)	73	83	
BS in Civil Engineering (BSCE)	84	157	
BS in Computer Science (BSCS)	330	362	
Bachelor of Animal Science (BAS)	322	294	
BS in Agriculture (BSA)	222	213	
BS in Development Communication (BSDC)	132	157	
BS in Food Technology (BSFT)	235	230	
BS in Agribusiness (BSAB)	339	401	
BS in Economics (BSEcon)	36	31	
BS in Hotel, Restaurant & Tourism Mgt. (BSHRTM)	1,253	1,303	
BS in Home Economics (BSHE)	11	3	
BS in Agricultural Chemistry (BSAC)	12	12	
BS in Chemistry (BSC)	87	86	
BS in Statistics (BSS)	46	58	
BS in Biology (BSBio)	68	66	
BS in Biotechnology (BS Biotech)	27	35	
BS in Agricultural Development (BSAgDev)	1	0	
BS in Development Education (BSDE)	46	67	
Bachelor of Elementary Education (BEEd)	334	390	
Bachelor of Secondary Education (BSEd)	253	295	
BS in Forestry (BSF)	73	68	
BS Environmental Management (BSEM)	-	42	
BS in Nursing (BSN)	282	288	
Sub-total	4,495	4,884	8.7%
Unclassified	7	-	
SECONDARY	512	462	(1.35%)
GRAND TOTAL	5,170	5,536	9.1%

Table 2. Number of graduates from the VSU-Main Campus, SY 2009-2010.

PROGRAMS	Number of Graduates
GRADUATE DEGREE	
Ph. D.	2
M. S.	8
M. Ag. Dev	4
M. Mgt.	1
M. Ed.	7
Sub-total	22
UNDERGRADUATE DEGREE	
Bachelor of Elementary Education (BEEd)	85
Bachelor of Secondary Education (BSEd)	36
BS in Development Education (BSDE)	7
Bachelor of Animal Science (BAS)	51
BS in Agriculture (BSA)	48
BS in Development Communication (BSDC)	20
BS in Food Technology (BSFT)	45
BS in Agribusiness (BSAB)	40
BS in Economics (BS Econ)	8
BS in Hotel, Restaurant, and Tourism Management (BSHRTM)	149
BS in Home Economics (BSHE)	6
BS in Forestry (BSF)	5
Doctor of Veterinary Medicine (DVM)	23
BS in Ag. Engineering (BSAE)	8
BS in Geodetic Engineering (BSGE)	3
BS in Computer Science (BSCS)	14
BS in Biology (BSBio)	16
BS in Statistics (BSS)	9
BS in Chemistry (BS Chem)	18
BS in Ag. Chemistry (BSAgChem)	1
Sub-total	592
SPECIAL PROGRAMS	
Certificate of Health Care Services (CHCS)	99
Certificate in Geodetic Technology (CGT)	1
Diploma in Animal Production Technology (DAPT)	28
Sub-total	128
TOTAL	742

PERFORMANCE OF STUDENTS

PROFESSIONAL LICENSURE EXAMINATIONS

Seven (7) VSU graduates copped the top ten ranks in the different professional licensure examinations in 2010: **Julious B. Cerna** and **Jonas R. Buhay**, got the 1st and 2nd places, respectively in the *Agricultural Engineers Licensure Examination* held on August 23-24, 2010; **Joel Abunda** and **Maybelyn C. Bauyaban** got 2nd and 9th places, respectively, in the *Licensure Examination for Teachers (LET)* held on September 26, 2010; **Irene Mae F. Limson**, ranked 9th place in the *Veterinarian Licensure Examination* held on August 29, 2010; **Joseph N. Morales**, ranked 9th place in the *Geodetic Engineering Licensure Examination*; and **Alan Abenoja Ramal**, ranked 7th place in the *Licensure Examination for Agriculturists* held on July 20-23, 2011 (Table 3).



9th placer of the Veterinary Licensure Examination, Dr. Irene Mae F. Limson.

cum laude and **46 cum laude**) and two (2) from the certificate program graduated **with honors**. Special awards and medals, including the Civil Service Eligibility given by the Civil Service Commission, were granted to the following honor graduates:

- **Maria Jessibelle S. Pazon**, BS in Hotel, Restaurant and Tourism Management (BSHRTM), *magna cum laude* – VSU President Jose L. Bacusmo Award of Academic Excellence, Senator Manuel B. Villar, Jr. Award of Excellence, Gov. Jesus Jurdin M. Romualdo Award of Excellence (Highest Academic Rating in the College of Agriculture), Congresswoman Carmen L. Cari Award

HONORS AND AWARDS

MAIN CAMPUS

During the 57th Collegiate Commencement Exercises of the VSU Main Campus on April 8, 2010, 53 graduated with Latin honors (**7 magna**

Table 3. Passing rate and number of topnotchers in professional licensure examination.

Licensure Examination	Date of Examination	Top 10 Rank	Institutional Passing Percentage	National Passing Percentage
Agricultural Engineers	August 23-24, 2010	1 st & 2 nd places	92.30	44.48
Geodetic Engineers	Sept. 2-3, 2010	9 th place	75.00	38.50
Agriculturists	July 20-23, 2010	7 th place	51.00	36.14
Chemists	Sept. 7-8, 2010		50.00	56.00
Foresters	July 1-2, 2010		41.70	42.00
Veterinarians	August 29, 2010	9 th place	29.41	31.03
Teachers	April 18 & Sept. 26, 2010			
Elementary		2 nd & 9 th places	50.59	19.58
Secondary			52.78	25.86

of Excellence, and VSU Vice President Oscar B. Posas Award of Academic Excellence;

- **Venice B. Badiang**, BSHRTM, *magna cum laude* – Senator Mar Roxas Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Dean Antonio P. Abamo Award of Excellence;
- **Maybelyn C. Bauyaban**, Bachelor of Elementary Education (BEEd) and **Rigino T. Macunay, Jr.** BEEd, both *magna cum laude*, and each received the Senator Loren Legarda Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Vice President Othello B. Capuno Award of Excellence;
- **Christy Dianne Q. Ramos**, BS in Food Technology (BSFT), *magna cum laude* – Senator Francis Escudero III Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Vice President Roberto C. Guarte Award of Excellence;
- **Jihan Santanina J. Santiago**, BSFT, *magna cum laude* – Senator Francis Escudero III Award of Excellence, Governor Carlos Jericho L. Petilla Award for the Most Outstanding Student, Congresswoman Carmen L. Cari Award of Excellence, and VSU Vice President Oscar B. Posas Award of Academic Excellence;
- **Jayzon G. Bitacura**, BS Biology-Marine Bio (BSBio), *magna cum laude* – Senator Alan Peter S. Cayetano Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Vice President Edgardo E. Tulin Award of Excellence;
- **Inish Chris P. Mesias**, BSFT, *cum laude* – Senator Mar Roxas Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Vice

President Roberto C. Guarte Award of Excellence;

- **Jane A. Austero**, BS Economics (BSEcon) and **Debbie Lalaine P. Pacayra**, BEEd, both *cum laude* – Senator Loren Legarda Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Dean Manolo B. Loreto, Jr. Award of Excellence;
- **Maria Leah C. Lucero**, BSHRTM, *cum laude* – Senator Mar Roxas Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Dean Antonio P. Abamo Award of Excellence;
- **Joanna B. Estillore**, BEEd, *cum laude* – Senator Loren Legarda Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Dean Dolores L. Alcober Award of Excellence;
- **Algin D. Valida**, BSFT, *cum laude* – Senator Mar Roxas Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, DOST Award of Excellence in Science, and VSU Vice President Roberto C. Guarte Award of Excellence;
- **Abigail S. Alaba**, BSFT, *cum laude* – Senator Loren Legarda Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, and VSU Dean Victor B. Asio Award of Excellence;
- **Jerum H. Sidaya**, Bachelor of Secondary Education-Math (BSEd), *cum laude* – Senator Mar Roxas Award of Excellence and Dean Dolores L. Alcober Award of Excellence;
- **Magdalina C. Villegas**, BS in Agriculture-Plant Protection (BSA), *cum laude* – Senator Francis Escudero III Award of Excellence, Congresswoman Carmen L. Cari Award of Excellence, Gov. Isidro P. Zayco Award of Excellence, Breeders Award of Excellence, and VSU Vice President Othello B. Capuno Award of Excellence;

- **Ma. Lourdes P. Delima**, BEEd, **Bethel Jane N. Iligan**, BSFT, **Karen C. Ycoy**, BEEd, **Rienna Lou T. Rosales**, BSHRTM, all *cum laude* – *Senator Loren Legarda Award of Excellence* and *Congresswoman Carmen L. Cari Award of Excellence*;
- **Felix John M. Refamonte**, BSA-Plant Protection, *cum laude* – *Senator Francis Escudero III Award of Excellence*, *Congresswoman Carmen L. Cari Award of Excellence*, *Breeders Award of Excellence*, and *Dean Victor B. Asio Award of Excellence*;
- **J-Annie B. Gonzales**, BEEd; **Kierstinne G. Orendain**, BEEd; **Albert O. Abreu**, BSHRTM; **Marjun R. Pilota**, BEEd, **Daniel B. Gubalane**, BSEd; *cum laude* – *Senator Mar Roxas Award of Excellence* and *Congresswoman Carmen L. Cari Award of Excellence*;
- **Wilfredo P. Borinaga, Jr.**, BSChem and **Melody G. Millapez**, BSChem, both *cum laude* – *Senator Alan Peter S. Cayetano Award of Excellence*, *Congresswoman Carmen L. Cari Award of Excellence*, *DOST Award of Excellence in Science*, and *VSU Vice President Edgardo E. Tulin Award of Excellence*;
- **Renelle Joy A. Tabinas**, BS Development Communication (BSDC), **Rezeil S. Vestra**, BSHRTM, **Michelle G. Pol**, BSFT, **Christina Marie J. Solis**, BEEd, **Luvelyn M. Cuesta**, BSFT, all *cum laude* and all received the *Senator Panfilo M. Lacson Award of Excellence* and *Congresswoman Carmen L. Cari Award of Excellence*;
- **Delmer P. Mahinay**, BSChem and **May Ann S. Estoy**, Bachelor of Science in Statistics (BSS), both *cum laude* and they received the *Congresswoman Carmen L. Cari Award of Excellence* and *VSU Dean Remberto A. Patindol Award of Excellence*;
- **Angie R. Poliquit**, Bachelor of Animal Science (BAS), *cum laude* – *Senator Francis Escudero III Award of Excellence*, *Congresswoman Carmen L. Cari Award of Excellence*, *Breeders Award of Excellence*, and *VSU Vice President Oscar B. Posas Award of Excellence*;
- **Irish S. Coco**, BSEd-Math, **Maria Haydee T. Escoro**, BSHRTM, **Irene S. Coco**, BSEd-Math, **Laarni C. Paraboles**, BSBio-Marine Bio, **Kareen T. Gubalane**, BSEd-Bio-Chem, **Rachel Ann Baga**, BEEd, **Jocelyn B. Malinao**, BSHRTM, **Jed Priam N. Cerera**, BSDC, **Emilyn H. Tantoo**, BSHRTM, **Agnes I. Tagalog**, BEEd, **Prisco A. Pasco, Jr.**, BEEd, **Alma M. Toriano**, BSHRTM, **Genesis T. Sabijon**, BSEcon, all *cum laude* and all received the *Congresswoman Carmen L. Cari Award of Excellence*;
- **Fatima A. Zamora**, BAS, **Louella B. Alandra**, BSA-Plant Protection, **Joanna P. Gofredo**, BAS, **Ma. Rosa De Lima C. Gerebise**, BAS, all *cum laude* and all received the *Congresswoman Carmen L. Cari Award of Excellence* and *Breeders Award of Excellence*;
- **Margery Khaye G. Bantolinao** and **Lynette M. Dimatawaran**, Certificate of Health Care Services (CHCS), both *With Honors*.

EXTERNAL CAMPUS

During the 36th Commencement Exercises of VSU Alangalang on April 5, 2010 four (4) graduated with Latin honors: **Jovelyn F. Demain** (BEED), **Jonathan C. Barraza** (BEED), **Juliet S. Perante**, Bachelor of Agricultural Technology (BAT), and **Wincesa S. Perante** (BAT).

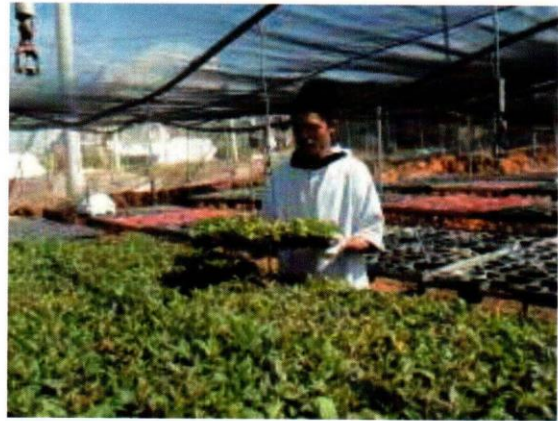


Ms. Ma. Leah M. Borines standing 10th from L-R and Mr. Ysakhar A. Salas (standing rightmost) during their closing ceremony with the Tokyo University of Agriculture and Technology (TUAT) staff.

STUDENT'S AWARDS/ ACHIEVEMENT

- **Miss Kristal Q. Neis**, a third year BS in Agriculture student, was the official delegate to the 2010 Asian Association of Agricultural Colleges and Universities (AAACU). The study tour was held at the University of the Philippines at Los Baños (UPLB) on August 16-26, 2010.
- **Mr. Rommel G. Campos** and **Mr. Eugene Val C. Mangaoang**, both fourth year BS in Computer Science students, passed the Fundamental IT Engineers Examination given by the Japan IT Engineers Examination Center (JITEC), in cooperation with the Philippine national IT Standards Foundation on October 24, 2010. The two students also won 2nd place in the "1st Virtual Amazing Race" sponsored by the BayanTel on September 25, 2010 in Tacloban City.
- **Ma. Leah M. Borines** and **Mr. Ysakhar A. Salas** were recipients of the short-term (one-year) Exchange Program of Science and Engineering at Tokyo University of Agriculture and Technology (STEP-TUAT) from October 1, 2009 to September 30, 2010.
- **Mr. Hadrian M. Aguilar**, a 4th year BS Development Communication student, was awarded Runner-up in the Art Petron's 10th National Art Competition held on August 31, 2010 at the Megaplaza, Makati City for his two pictures titled "Buwad" and "Sunset" with a cash prize and plaque of recognition
- **Mr. Russell J. Hampton**, a first year BS in Development Communication student and member of the VSU Choral Ensemble, was the *grand prize winner* of "VSU Got Talent" on August 8, 2010. The dance sports of **Ms. Junelle B. Ugay** and **Mr. Lynyrd Bryx Gonzales** was the 1st Runner-up and the guitar duo of **Mr. Rejie D. Tuyor** and **Mr. Christian Vie P. Baltonado** got the 2nd Runner-up.
- **Ms. Rocell B. Cahoy, et al.**, was the champion in the vocal band category during the University Intramurals on July 22-25, 2010.

- **Mr. Jose G. Mundia**, a fourth year BS Agriculture – Horticulture major student, was sent to Israel by the VSU College of Agriculture (CA) for an 11-month internship in an agricultural company sponsored by the International Center for Agricultural Interns in Israel, Ltd.
- **Cadet 4th Class Jade Vincent Q. Membrebe**, a freshman student (BSS) and a private cadet of the VSU Reserve Officers Training Corps (ROTC) Unit, was declared champion in the 11th Philippine Army Regional ROTC Speech contest held on November 6, 2010.
- **Mr. Clar Don L. Evangelio**, a freshman BS in Civil Engineering student, got the 2nd place in the 19th Philippine Statistics Quiz (PSQ) – National Level on December 8, 2010 at the Assembly Hall of the Bangko Sentral ng Pilipinas, Manila and the *champion* in the Philippine Statistics Quiz in the provincial and regional levels.



Mr. Jose G. Mundia during his internship in Israel.

STUDENT WELFARE AND DEVELOPMENT

SCHOLARSHIPS AND FINANCIAL ASSISTANCE

VSU Main Campus – 45 or 23.68% of the graduate students during the 1st semester of SY 2010-2011 enjoyed scholarships/assistantships/fellowship/grant from DOST-ASTHRDP-NSC – 10, CHED – 10, DA-ATI – 9, DOST-SEI ASTHRDP/PCHRD – 6, VSU Graduate Teaching/Research Assistantship – 8 and VSU Fellowship Grant – 2.

A total of 1,197 or 24.58% of the undergraduate students during the 1st semester of SY 2010-2011 enjoyed scholarships/grants: 249 – VSU scholarships and 519 – VSU grants-in-aid, and 429 scholarships funded by other agencies (Cong. Carmen Cari Scholarship – 216, DOLE-SEI – 59, Pagkaon – 43, City Gov't-Ormoc LGU – 18, Carlo Loreto – 11, CHED-An Waray – 10,

CHED-One Town-One Scholar – 10, Municipality of Baybay – 10, CHED-CSSGPCD – 6, LSUCDC – 5, PARRFI – 5, OC Diongzon – 4, PDMASP – 4, PPEI – 4, LSU Alumni Assoc – 3, DOLE-OWWA – 3, Bernardo – 2, CHED-RSP – 2, PCAFD – 2, Maroons Group of Friends – 2, 1 each from AFP-BESO, ATI-YAFP, CHED-NSP, East-West Seed Co., Good Samaritan, LGU Hilongos, LGU Matalom, and San Isidro Labrador (Table 4).

172 or 37.23% of high school students enjoyed VSU Scholarship: Full – 36, Partial – 117, and Honorific – 19.

External Campuses – 163 students of VSU **Alangalang** availed of scholarships and grants from different sponsors during the 1st Semester of SY 2010-2011 (Jaro LGU – 46, Rolando T. Celebre – 43, Barangay – 37, Alangalang LGU – 13, Academic – 13, Canada-based Leyteños – 4, LGU-Capoocan – 3, and 2 each from Honorific and CSSC; 99 students of VSU **Isabel** enjoyed the following scholarships/grants (Honorific – 5, Sangguniang Kabataan/Sangguniang Barangay – 32, LGU – 40, An Waray Party List – 9, Gen. Jun Medina Foundation, Inc. – 5, Varsity Grant – 3, CSSC Officers Grant – 3, and 1 each from VSU-IC Alumni Association and Dance Troupe Trainer; 35 students of VSU **Tolosa** enjoyed scholarships and grants from different sponsors (Ferdinand Romualdez – 11, DA-ATI – 10, NUCF/PIAF – 9, Academic – 2, BFAR – 1, DAR – 1, and TESDA – 1 (Table 5).

Table 4. Number of students (graduate and undergraduate) in the VSU Main Campus enjoying scholarships, assistantships and grants for the First Semester of SY 2010-2011.

Program	Scholarship/Grant	Number
A. Graduate		
1. VSU Funded	VSU Teaching/Research Assistantship	8
	VSU Fellowship Grant	2
2. Non-VSU Funded	DOST-ASTHRDP-NSC	10
	DOST-SEI ASTHRDP/PCHRD	6
	DA-ATI	9
	CHED	10
	Total (Graduate Program)	45
B. Undergraduate		
1. VSU- Funded	Entrance Full	6
	Entrance Partial	25
	BSN Entrance Scholarship	9
	Honorific	47
	College	140
	University	22
	Academic A	224
	Academic B	0
	BSAE-FAP	12
	BSF-FAP	14
	CA Financial Assistantship	87
	CAC Chorale	16
	CAC Dance Troupe	24
	CAC Rondalla	1
	CAC Visual Arts	4
	Income Grant	25
	NSTP-ROTC Grant	24
	Staff Dependent Grant	38
	SB/SK Grant	14
	Varsity Grant	30
	USSC/CSSC Officers' Grant	6
	Sub-total	768
2. Non-VSU Funded	AFP-BESO	1
	ATI-YAFP	1
	Bernardo Scholarship	2
	Carlo Loreto Scholarship	11
	City Gov't/Gov't of Ormoc	18
	CHED-AN WARAY Party List	10
	CHED-NSP	1
	CHED-One-Town-One-Scholar	10
	CHED-RSP	2
	CHED-CSSGPCO	6
	Cong. Cari Scholarship	216
	DOLE-OWWA-OFWDSP	3
	DOST-SEI	59
	East-West Seed Company	1
	Good Samaritans Scholarship	1
	LGU Hilongos	1
	LGU Matalom	1
	LSU Alumni Association Scholarship	3

Program	Scholarship/Grant	Number
	Maroons Group of Friends	2
	Municipality of Baybay	10
	O. C. Diongzon Scholarship	4
	Pagkaon Scholarship	43
	PARRFI	5
	PCAFD	2
	PDMASP	4
	PPRI	4
	San Isidro Labrador Scholarship	1
	ViSCCO	5
	Sub-total	429
TOTAL (Undergraduate Scholarship)		1,197

Table 5. Number of undergraduate scholars in the VSU External Campuses for the 1st Semester of SY 2010-2011.

TYPE OF SCHOLARSHIP		Number
1.	VSU Alangalang	
	• Academic Scholarship	13
	• Honorific	2
	• Sangguniang Barangay Scholarship	37
	• Canada-based Leyteños	4
	• CSSC Scholarship	2
	• LGU of Alangalang	13
	• LGU of Capoocan	3
	• LGU of Jaro	46
	• Rolando T. Celebre Scholarship	43
	Total	163
2.	VSU Isabel	
	• Honorific	5
	• An Waray Partylist	9
	• CSSC Officers Grant	3
	• Dance Troupe	1
	• Gen. Jun Medina Foundation, Inc.	5
	• LGU	40
	• Sangguniang Kabataan/Sangguniang Barangay	32
	• Varsity Grant	3
	• VSU-IC Alumni Association	1
	Total	99
3.	VSU Tolosa	
	• Academic Scholarship	2
	• BFAR	1
	• DA-ATI	10
	• DAR	1
	• NUC/PIAF	9
	• Ferdinand Romualdez	11
	• TESDA	1
	Total	35

GUIDANCE AND COUNSELING

The *Testing Section* of the University Student Services Office (USSO) conducted guidance and counseling to 413 college and high school students and administered and interpreted psychological test results of 1,485 examinees for different purposes such as counseling, vocational guidance, admission, research, employment and readmission.

STUDENT HOUSING

VSU's 24 student dormitories accommodated a total of 1,761 students (31.81%) of the total student population during the 1st Semester of SY 2010-2011 and 1,603 students (31.07) during the 2nd semester of SY 2010-2011.

Aside from the regular student-residents in the dormitories and cottages, transients were also accommodated in the dormitories during school break periods. In Summer 2010 a total of 691 transient-residents were accommodated in dormitories coming from different groups, including reviewees from the University Review Center

STUDENT ORGANIZATIONS AND ACTIVITIES

- During the school year 2010-2011, 67 campus organizations were recognized by the University Student Services Office (USSO), namely: Course-Related Organizations – 24, Greek-Lettered Organizations – 12, Interest Organizations – 7, Regional Organizations – 5, Religious Organizations – 9, and SSCs and Student Body – 10.
- The following student organizations received awards during the 2010 Honors and Awards Convocation on March 4, 2010:

⇒ Course-Related Organization of the Year Award

- 1st *Society of Hospitality & Tourism Students (SHoTS)*
- 2nd *Chemical Society (ChemSoc)*
- 3rd *Development Communicators' Society (DeCSo)*

⇒ Service Organization of the Year Award

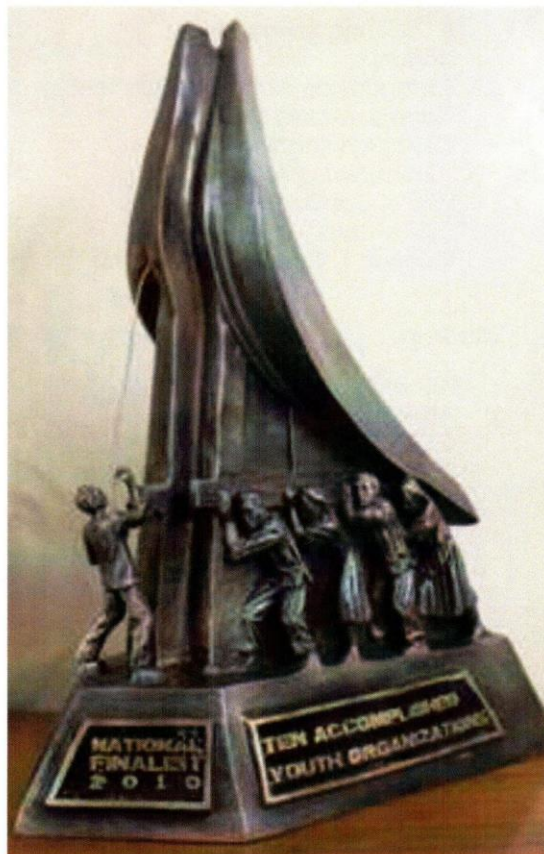
- 1st *Venerable Knights Veterinarians/Venerable Lady Veterinarian (VKV/VLV)*
- 2nd *Sigma Alpha Epsilon (SAE)*

⇒ Interest Group

- 1st *Terrestrial & Aquatic Restoration by Students Immersed in Environmental Reforms (TARSIER)*
- 2nd *DOST-Scholars Society*
- 3rd *Banaag Visual Arts Group*

⇒ Special Award

Association of Rodeo Enthusiasts at VSU (AREV) – National Champion – Bull Riding, Casting Down Large Animals, Carambola and Cattle Lassoing on Foot (Women); 2nd runner-up Carambola and Cattle Lassoing on Foot (Men)



The trophy of the Terrestrial and Aquatic Restoration by Students Immersed into Environmental Reforms (TARSIER) as one of the Ten Accomplished Youth Organizations (TAYO) of the Philippines given by TAYO Foundation, Inc.

- The **Terrestrial and Aquatic Restoration by Students Immersed into Environmental Reforms (TARSIER)** was recognized as one of the finalists to the **Ten Accomplished Youth Organizations (TAYO)** of the Philippines, an annual award given to outstanding youth organizations of the Philippines with collective work that promotes unity and teamwork necessary in nation building. It received a cash award, a special trophy sculpted by TOYM De Leon Imao and a personal computer set and printer. It also received a cash prize and a plaque for winning the **Team Energy Special Award** which is given to the organization that exudes confidence, fun and cooperation in helping others.
- The entry of the **Student Union of Agronomy and Soil Science Majors (SUASSM)** was the *1st runner-up* in the 2010 VSU Christmas Lantern Contest (Most Symbolic Lantern Category) held on December 1, 2010.
- The **Society of Animal Science Students (SASS)** and the **Association of Rodeo Enthusiasts in ViSCA (AREV)**, in collaboration with the Department of Animal Science, successfully staged the "Livestock Challenge 2010" during the 86th VSU Anniversary Celebration on August 11, 2010.
- The different students organizations of the University System conducted varied activities during the year as reflected in Table 6.

Table 6. Activities of the different student organizations, SY 2009-2010.

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
Society of Hospitality & Tourism Students (SHOTS)	Conducted general assembly meetings, acquaintance party & induction of officers, team building, repainting & cleaning of the department, ushering (One Classic Night), Post Halloween Party, housekeeping service; had done service at the Captain Servers' Service Club during the Baybay Got Talent Elimination Round and Grand Finals; Chef Goes to the Barangays; attended seminars; celebrated the HRTM Week with the following activities: torch parade, search for Miss Philippine Tourism, competition on tour guiding, case analysis, sales blits, tourism quiz, bed making, cocktail mixing, table skirting, napkin folding, tray relay and commercial cooking, sashimi and kimchi festival, grade tour and awarding; and gave tribute to 2010 graduates.	1 st Most Outstanding Class-related Organization
Visca Chemical Society (ViChemSo)	Conducted general meeting, alay linis, Acquaintance party, quiz show; participated in the celebration of Chem Week and CAS Month; ChemSoc Tutorials; Gave tribute to the 2010 Graduates; celebrated ChemSoc Week with the following activities: poster making contest, extemporaneous speaking, table tennis, fashion show, and field trip; ChemSoc and Freshmen Orientation Program; ChemSoc Acquaintance Party; initiated a joint DoPAC & ChemSoc Christmas Party.	2 nd Most Outstanding Class-related Organization

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
Development Communicators' Society (DeCSO)	Involved in the different committees during VSU Anniversary; Farm Products Contest, Documentation of Anniversary Activities, Search for Miss VSU 2010, etc.; Put up booth during VSU Anniversary; production of the CA Gazette; assisted in the layouting & production of leaflets & other communication materials for the technologies generated by the departments under the College of Agriculture; assistance in the production of the VSU anniversary promotional jingles, in the implementation of the Root Crops Rock (a participatory communication strategy to promote root crop technologies) during the PhilRootcrops anniversary; conducted activities (such as the red ribbon hunt in October 2010) in celebration of the AIDS awareness month.	3 rd Most Outstanding Class-related Organization
Advanced Geodetic Engineering Society (AGES)	Participated in the celebration of CEAI Week and University Intramural Games; conducted land surveys in Brgy. Patag, tutorials, general meeting, and held acquaintance party.	
Junior Philippine Institute of Civil Engineers	Conducted Tutorials, clean up in the department; attended/conducted seminar on good study habits; participated in the celebration of CEAI Week with a parade, quiz show, sportsfest, and variety show.	
Philippine Society of Agricultural Engineers	Participated in the celebration of CEAI Week, PSAE Orientation Program, PSAE Team Building, induction program, and participated in the University Intramural Games, and PSAE alay linis.	
Computer Science Students' Society (CS ³)	Worked for the recognition of the Computer Science Students' Society (CS ³) by USSO; conducted election of officers and planning of activities for the school year; participated in the CEAI Day celebration; regular Alay Linis in the surroundings of the Department and in some areas of the Campus; developed a computer program to tally scores/points during the Students Intramural Games, and assisted the IHK in the tallying of points.	
Philippine Association of Food Technologists (PAFT)	Conducted general assembly meeting, Freshmen orientation, acquaintance party, alay linis, adventure race, livelihood caravan, Product Development Fair, information drive, booth watching, and Christmas party; celebrated the PAFT Week with the following activities: sports activities, mind battle, Empowerment Seminar, awarding program, raffle draw; acted as facilitators during the Job Seeking Seminar, Seminar-Workshop on Table Specifications; Team Building Seminar & Workshop; attended seminar on Time Management and Effective Study Method, Ethics in the Workplace, Open Office Writer, and Fire Awareness; assisted the local government in the display of exhibits at the Baybay Agro-Fair; served food and snacks items during the PSLAB Conference; distributed bundles of joy during Christmas holidays.	

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
VSU Biotechnological Society	Conducted general meeting, alay linis, feeding at Brgy. Bunga Elementary School, rummage sale in Brgy. Guadalupe, selling of fruits and vegetables; held acquaintance and Christmas Party.	
Organization of Biology Students (OBios)	Conducted general assembly meeting, acquaintance/welcome party & induction of officers, Pre-valentine's Party, Christmas Tree Making and Christmas party; celebrated the Biology Week with the following activities: booth exhibit, quiz show, rebottling of specimens, plant show, poster making contest, plant and pet show; attended the Research Symposium and presentation of research papers of graduating students; participated in the OBios Fiesta, seminar on Marine Mammal and Medic Rescue, and Symposium on Undergraduate Thesis; sponsored the blood-letting activity of Philippine National Red Cross.	
VSU Statistical Society	Participated in the DMPS Week and CAS Month celebrations with the following activities: Mathematics, Physics and Statistics Quiz, Physics Olympics; served as committee members during the Freshmen Orientation, hall preparation and demolition; attended the Tribute to BSS and BSEd-Mathematics graduates, Acquaintance party & induction of officers; Alay Linis in and around the Engineering Building and in the Eco-park area; Search for Phil. Stat. Quiz (PSQ) contestants/representatives for VSU (series of Quiz Shows); initiated tutorials for Mathematics, physics and statistics; held Christmas party.	
Young Economist Society (YES)	Hold a tribute party to the first batch of BS Economics students; Young Economists' Convention Acquaintance Party at the beginning of the school year and Tribute party to graduating students; participated in the VSU anniversary activities –boothmaking, parade; assisted in the registration of participants of Farmers' & Fisherfolks Day; conducted <i>alay linis</i> activities; and joined the Christmas party of the department.	
Society of Agribusiness Students Activities (SABS)	Held general meetings and election of officers; SABS Valentines Express/SABS Night Café (SAVALEX/SANICA); gave tribute to Graduating BSAB Students; Freshmen Orientation Program; Acquaintance party; participated in booth making; alay linis; and sponsored Royale Business Presentation.	
Mentors' Guild	Conducted alay linis, general assembly meeting & election of officers, acquaintance party, and booth construction during the VSU anniversary; Christmas party; booth making and booth guarding; celebrated Education Week with the following activities: parade, Quiz Show, Essay Writing, film showing, and Poster-Making Contest, Christmas party.	

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
VSU Agricultural Extension Society (VSUAgExSo)	Conducted general assembly meeting, <i>alay linis</i> , acquaintance/ Christmas party; assisted in the activities of the "We Rice" forum; construction of booth & bulletin booth; acted as facilitators during the Rice Extension Forum, Farmers' Field Day and Agro Fair in Baybay City; participated in the Acquaintance Party and Orientation Program as well as Christmas and get-together Party; distributed bundles of joy to indigent families.	
Society of Animal Science Students (SASS) and Association of Rodeo Enthusiasts in ViSCA (AREV)	Sponsored SASS and AREV activities in collaboration with DAS; staged the "Livestock Challenge 2010" during the University anniversary; graduate students in Animal Science participated in the celebration of the Graduate Education Week.	
Student Union of Agronomy and Soil Science Majors (SUASSM)	Co-sponsored with the Department of Agronomy & Soil Science the DASS-SUAASM Acquaintance Party; conducted several <i>alay linis</i> activities; assisted the department in the selling of seeds, rice, etc. as fund raising project and in the distribution of leaflets during the VSU anniversary; celebrated SUASSM Week with the following activities: fellowship, quiz show, scientific symposium, film showing & poster making contest; conducted teambuilding seminar.	
Alliance of Freshmen & Sophomore Agriculture Students (AFSAS)	Conducted general assembly meeting, orientation seminar, team building, acquaintance party and Christmas party.	
Association of Plant Breeding Majors	Conducted general assembly meeting, practice for CA presentation, <i>alay linis</i> , orientation and welcome party, acquaintance party & induction of officers, putt up Students' corner, and Christmas with a smile in Brgy. Patag.	
ViSCA Horticultural Society (ViHOS)	Conducted <i>alay linis</i> , general assembly meeting, acquaintance party and Christmas party; co-sponsored the 1 st PAPTCB Visayas Regional Symposium on the Tissue Culture and Biodiversity Enhancement, Conservation and Utilization; co-sponsored the Flower and Garden Show & the training on Container Vegetable Production; attended Career Seminar.	
Plant Protection Majors' Association (PPMA)	Elected new set of officers; joined the DPM family in welcoming new majors with a party at the Scandinavia Resort; participated in the <i>alay linis</i> ; helped DPM staff in booth display and booth watching during VSU anniversary; joined the anniversary parade; and decorated the department for the Christmas season.	
VSU Agricultural Extension Society (VSUAgExSo)	Assisted in the <i>Alay Linis</i> ; held regular/general assembly meetings; helped in booth and bulletin construction; attended the fora on "We-Rice" and "Rice Extension"; helped in facilitating the registration during Farmers & fisherfolks Day; participated in the Acquaintance Party and Orientation Program as well as Christmas and get-together Party; distributed bundles of joy to indigent families.	

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
Physical Education and Health Majors Club	Conducted general assembly meeting, acquaintance party, booth construction; facilitated the "Dulang Pinoy" during the VSU anniversary; acted as facilitator in the Basic Life Support Lecture and Demo and as working committee during the Baybay Fiesta; and acted as officials during Intramural Games of students.	
VSU Graduate Student Organization	Conducted general assembly meetings; sponsored an acquaintance party; celebrated the Graduate Education Week with the following activities: Leadership & Orientation Seminars, Quiz show, research forum, solidarity night.	
VSU-Alangalang Campus	Conducted general assembly meeting, election of officers, induction of officers & Acquaintance party, monthly clean-up; participated in the Christmas Lantern Festival and Christmas Party, VSU-AC founding anniversary, first Friday masses, echo seminar for student leaders, tree planting, VSU-AC Got Talent, Intramurals, Laro ng Lahi, Cheer Dance competition, Buwan ng Wika culmination, Search for Mr. & Miss Intrams 2010.	
VSU-Isabel Campus	Participated in the field trip to PASAR Company, McArthur's Park, Phil Science High School, Sto. Niño Shrine and Heritage Museum, Leyte Normal University, Leyte Provincial Museum, Family Park and Marcos Bridge, Tacloban City, Educational Tour, 1 st Regional Congress for student teachers and mentors, Peer-facilitated Trigonometry Tutorials, Math Trivia Contest, Brawling of the Minds, Job Orientation, Literary-Musical Contest, Took PhilNITS Exam, Seminar-Workshop on Campus Journalism, Microsoft Excel and Power Point, Quiz Bowl 2010; Christmas Party.	
VSU-Tolosa Campus	Participated in the orientation of new students, general assembly meeting, election of officers; Acquaintance Party, Alay Lakad, Seminar Workshop on Correct Usage of PELC/PSLLC and Task Analysis, Leadership Training, foundation day of VSU Tolosa and VSU Main Campus, Christmas Party.	

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. Edgardo E. Tulin**, Vice President for Planning & Resource Generation and a Professor-researcher of the Philippine Root

Crop Research and Training Center (PhilRootcrops), and **Mrs. Zenaida T. Ecleo** of PhilRootcrops were declared Regional Winners in the **2009 Regional Research and Publication (REPUBLICA) Award** for the *Natural Sciences, Mathematics, Engineering and Information Technology* classification (Category 1), while **Dr. Rotacio S. Gravoso**, Professor of the Department of Development Communication (DDC) and Head of the Multi-Media Development Center (MMDC); **Dr. Arturo Pasa**,

Associate Professor of the College of Forestry and Natural Resources (CFNR); **Mr. Jerome B. Labra** and **Dr. Toshiaki Mori** were chosen as the **2009 Regional Research and Publication (REPUBLICA) Awardees** for the *Social Science, Economics, Education and Humanities* classification (Category 2). The said awards were given on May 19, 2010 at UP Diliman, Quzon City. Moreover, the paper of **Dr. Julie D. Tan et al.** of the PhilRootcrops was selected as Regional Qualifier for Category 1.

- **Dr. Lualhati M. Noriel**, Professor of the Department of Pest Management received the ***Pest Management Award for Instruction*** given by the Pest Management Council of the Philippines (PMCP) on March 12, 2010.
- **Asst. Prof. Aleli A. Villocino**, Director of VSU's Institute of Human Kinetics (IHK), won **first place** in the **1.5 kilometer 3rd Olango Challenge Open-water Swim Marathon** held on April 24, 2010 at the Tambuli Beach Club in Maribago, Mactan Island, Lapu-Lapu City.
- **Dr. Antonio P. Abamo**, Dean of the College of Management and Economics (CME) won the ***Silver Award in the 2010 AFMA's Best R&D Paper (Socioeconomics Research Category)*** during the 22nd DA-BAR National Research Symposium held on October 7-8, 2010.
- **Dr. Lolito C. Bestil**, Professor of the Department of Animal Science (DAS), was a consultant of FAO of the United Nations as Poultry and Livestock Specialist for the project "Support to Flood-Affected Farming Communities in Eastern Samar and Leyte Provinces" with funding support from AECID, Government of Spain.
- **Prof. Winston M. Tabada**, Head of the Department of Computer Science and Technology, was tapped by DA Region 8 as consultant-on-call in the development of its Information Systems Strategic Plan (ISSP).
- **Dr. Victor B. Asio**, Dean of the College of Agriculture, was elected *Secretary-*

General of the Humboldt Association of the Philippines (Association Humboldt Research Fellows in the Philippines). He also served as expert reviewer or referee for the following international scientific journals: *Ecological Applications* (published by the Ecological Society of America), *Soil Science Society of American Journal* (published by the Soil Science Society of America), *Geoderma* (published by Elsevier), and *Journal of Plant Nutrition and Soil Science* (published by the German Plant Nutrition Society and the German Soil Science Society).

FACULTY STRENGTH

A total of 266 faculty members of the VSU Main Campus (92 PhD, 110 MS/MA and 64 BS) carried out its instruction, research, extension, and production activities. Thirty-seven (37) were detailed in research centers (23 PhD, 13 MS/MA and 1 BS). On the other hand, one hundred fifteen (115) faculty members of the external campuses supported their various programs: Alangalang Campus – 28 (5 PhD, 8 MS/MA, 15 BS); Isabel Campus – 34 (1 PhD, 8 MS/MA, 25 BS); Tolosa Campus – 27 (3 PhD, 14 MS/MA, 10 BS); and Villaba Campus – 26 (4 PhD, 16 MS/MA, 6 BS).

SCHOLARSHIPS

Twenty six (26) faculty members of the VSU Main Campus pursued advanced studies in different fields of specialization (1 for Post Doctoral, 19 for PhD and 6 for MS) with scholarship grants from VLAAMSE InterUniversitaire RAAD-University Development Cooperation (VLIR-UDC), Nitrof Project, Hohenheim University, Deutsche (DAAD), PCAMRD-DOST, ACIAR, Department of Science and Technology (DOST), Commission on Higher Education (CHED), VSU Fellowship and VSU Graduate Assistantship (Table 7).

One faculty member from the VSU Villaba pursued advanced studies for PhD degree in Animal Science at the VSU Main Campus.

Table 7. Number of VSU faculty on study leave/postdoctorate.

Dept.	No. of faculty	Degree Pursued		Funding Agency	Place of Study	Field of Specialization
		MS	Ph. D./DM			
DSE	1	-	1	VSU Fellowship	CNU	Early Childhood Education
DMPS	1	-	1	DOST	UPLB	Statistics
DoPAC	2	1	1	DOST, VSU Fellowship	UP Diliman, UPLB	Inorganic Chem, Ag. Chemistry
DLABS	1	-	1	VSU Fellowship	USJR, Cebu City	English
DBS	2	1	1	VHR, PCMARD-DOST,	Brussels, USC, Cebu	Marine & Locutrine Science, Marine Biology
DCST	2	2	-	DOST, CHED	USC, Cebu; CIT Cebu	IT, IT
DASS	3	-	3	VSU Fellowship, Graduate Assistantship, Nitrof Project	UPLB, Univ. of Gottengen, University of Arkansas	Agronomy, Soil Science, Agronomy
DDC	1	-	1	VSU Fellowship	UPLB	Dev Com
DOH	1	-	1	DOST	UPLB	Crop Physiology
DBM	1	-	1	VSU Fellowship	USJR	HRM
DCSHM	3	1	2	VSU Fellowship	UPLB, PWU, Centro Escolar Univ	Nutrition, Hotel & Restaurant Mgt.
DFW	1	-	1	DAAD	Germany	Forest Soils
DVM	1	-	1	CHED	VSU	Zootechnics
ITE	2	-	2	University of Hohenheim, PCARRD	Germany, USC, Cebu	Agroecology, Marine Biology
NARC	3	1	2	VSU Fellowship, VSU Grad Assistantship, Endeavour-Post Grad Award	UPLB, VSU, Australia	Horticulture, Plant Pathology, Applied Anthro & Part Dev't.
TOTAL	25	6	19			
DFW	1	Post Doctoral		ACIAR	Australia	Forestry



Ms. Jihan Santanina J. Santiago during the awarding ceremonies for the Ten Outstanding Students of the Philippines (TOSP) in Malacañang Palace given by President Benigno C. Aquino III.

PUBLICATIONS

Thirteen (13) VSU faculty and research staff authored/co-authored scholarly/professional articles published in national and international journals.

SEMINARS/WORKSHOPS/ TRAININGS ATTENDED

To promote quality instruction and uphold excellence in teaching, the faculty members in 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 1,820 academic staff of the VSU System attended 619 trainings/seminars/conferences, including 46 international, 146 national, 157 regional, and 270 local trainings (Table 8).

ALUMNI

- The VSU Alumni Association (VSUAA), Inc., through Batches '80 and '83, sponsored a singing contest dubbed as "Campus Idols Summit 2010" aimed to raise funds for the projects of VSUAA, hone their contestants' singing prowess, and heighten environmentalism among students in Eastern Visayas.

ALUMNI ACHIEVEMENTS/ AWARDS

- **Ms. Jihan Santanina J. Santiago**, 2010 BS Food Technology *Magna Cum Laude* graduate was chosen as one of the **2010 Ten Outstanding Students of the Philippines (TOSP)** and was awarded personally by His Excellency Benigno Simeon C. Aquino III on October 7, 2010 at the Heroes Hall of Malacañang Palace.
- **Jessie R. Sabijon**, 2010 BS in Agriculture major in Soil Science graduate won the 2nd place in the Best Paper (Junior Category) on his thesis "*Effects of Organic Amendments of Soil Characteristics and Growth and Yield of Tomato (Lycopersicon esculentum Mill)*."
- **Mr. Jayzon G. Bitacura** won the Phi Delta Undergraduate Thesis Award for Environmental and Physical Sciences Category. He also won a silver award for Best Research Paper during the 15th PCMARD-sponsored Visayas Zonal R and D Symposium and Roadmapping held in Cebu City on Nov. 22-24, 2010.

Table 8. Trainings/seminars/workshops attended by faculty.

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
College of Agriculture								
DAS	-	-	8	10	1	5	13	37
DASS	4	4	4	4	2	2	8	15
DDC	6	6	-	-	11	20	9	19
DOH	1	1	4	7	4	9	8	17
DPBG	-	-	-	-	-	-	-	-
DPM	1	1	8	19	8	9	16	33
DFST	-	-	2	5	5	8	10	16
College of Arts and Sciences								
DBS	-	-	10	15	9	15	6	11
DLABS	-	-	4	5	-	-	2	5
DoPAC	2	15	8	18	3	3	12	42
DMPS	1	1	2	2	3	3	1	14
College of Education								
DSE	-	-	6	7	5	18	16	43
DCDE	-	-	3	4	-	-	4	4
VSULHS	-	-	-	-	-	-	1	18
IHK	-	-	-	-	-	-	-	-
NSTP	-	-	-	-	-	-	-	-
College of Engineering & Agri-Industries								
DAE	1	1	3	4	-	-	3	3
DCE	-	-	2	2	-	-	2	3
DGE	-	-	2	3	-	-	4	11
DCST	-	-	8	15	1	1	2	2
College of Management & Economics								
DBM	1	1	5	8	2	2	3	7
DCSHM	-	-	3	5	2	2	2	2
DOE	-	-	4	4	3	5	7	23
ISRDS	5	6	7	8	6	7	6	9
College of Forestry								
DAF	3	4	3	3	5	13	3	10
DFWMC	2	2	1	1	1	1	3	3
ITE	3	5	2	6	14	20	26	55
College of Vet. Medicine	2	3	3	3	6	11	5	13
College of Nursing	1	1	5	6	11	36	3	33
Sub-total	33	51	107	164	102	190	175	448
NARC	-	-	4	8	3	6	19	40
PhilRootcrops	6	6	5	10	7	16	2	9
Eco-FARMI	-	-	1	1	2	2	9	9
Sub-total	6	6	10	19	12	24	30	58
External Campus								
Alangalang Campus	1	4	9	9	11	14	9	18
Isabel Campus	1	1	3	3	5	7	31	132
Tolosa Campus	5	8	16	21	23	49	20	41
Villaba Campus	-	-	-	-	4	4	5	48
Sub-total	7	13	28	33	43	74	65	239
GRAND TOTAL	46	70	145	216	157	288	270	745



VSU Staff present during the Evaluation of the BS Nursing program.

- **Atty. Ronnan Reposar**, a DevSoc student, was the Third Place winner during the National Photography Contest sponsored by CODE-NGO. The title of his presentation was "Pangingisda sa Harap ng Pagbabago ng Klima. His other entry won 2nd place for the Regional Photography Contest sponsored by BFAR-UPVIC, entitled "Women in Fisheries in the Face of Climate Change".
- Five (5) VSU alumni won awards during the 41st Pest Management Council of the Philippines (PMCP), Inc. which was held on March 9-12, 2010 at the Waterfront Insular Hotel in Lanang, Davao City, as follows:
 - ✓ **Marjohn C. Niño**, 2009 BS in Agriculture major in Plant Protection and Magna Cum Laude graduate, received the *PMCP Bayer Crop Science Best Undergraduate Thesis Award in Plant Pathology* for his thesis "Pathogenicity, Characterization, Identification of a Bacterium Causing Heart Rot Disease of Abaca and Its Control through Elicitors of Resistance."
 - ✓ **Jeela Z. Acedo**, 2004 VSU Laboratory High School Valedictorian and UPLB 2009 BS Agricultural Chemistry (Magna

Cum Laude), won the *PMCP Bayer Crop Science Best Undergraduate Thesis Award in Weed Science*. Her thesis aimed to determine the nutritive value and characterize the health-promoting lipids of purslane (*Portulaca oleraceae* L.)

- ✓ **Dr. Gerardo S. Estoy, Jr. and Dr. Alejandra Burdeos-Estoy**, together with **Ms. Belen Mejia-Tabudlong**, all VSU graduates, also won the *Best Poster Award in Entomology*.

OTHER ACCOMPLISHMENTS OF COLLEGES/DEPARTMENTS

- The **College of Agriculture (CA)** submitted the requirements for the 2nd Batch Grant as the Center of Excellence in Agriculture and is awaiting the release of the grant in the amount of nine million pesos (P9,000,000) for 3 years.
- The **VSU Villaba Campus** was identified as the *Provincial Institute of Agriculture (PIA) in Leyte* pursuant to CHED Memo No. 25, s. 2010 with financial assistance in the amount of P250,000.00 which shall be utilized to enhance its capability and to provide quality agriculture education in the province.

- The **College of Nursing** was granted a Cross Regional Affiliation by the DOH – RCATS that allowed VSU BSN students to affiliate with Vicente Sotto Memorial Medical Center, Cebu City for Psychiatric Nursing and Communicable Disease Nursing-Related Learning Experience (RLE).
- The **College of Education** authored and produced instructional materials entitled “Agricultural Extension and Communication” and “Management of Extension Programs for the Commission on Higher Education (CHED).”
- The **College of Engineering** initiated the construction of an Annex to the existing Engineering Workshop to accommodate the additional lecture and laboratory room requirements for the offering of the BS Civil Engineering and BS in Mechanical Engineering. As a result, four (4) additional lecture/laboratory rooms, one (1) metal working area, and one (1) woodworking area were added to the building which are now on their finishing stages. In addition, TESDA-based welding booths and house wiring booth for the offering of short-term training courses in these areas were also constructed inside the workshop to accommodate the offering of TESDA-based Short-Term Training Courses on these fields.
- The **Department of Agronomy and Soil Science (DASS)** compiled and edited a new pamphlet on “Procedures for Soil and Plant Tissue Analysis” for the SRTPAL .
- The **Department of Animal Science** developed five (5) training modules in support to the Program on “Institutional Innovations to Increase Enrolment by Enhancing the Employability of AFNR Graduates of Selected SUCs in Eastern Visayas”: It also established a pilot “Goat Production Income-Generating Project” with DOST-PCARRD Funds that will serve as venue for internship training of graduating students enrolled in AFNR courses of ViCARP-member state colleges and universities.

ACCOMPLISHMENTS OF OFFICES UNDER THE OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS

The **Office of the Graduate School (OGS)** conducted orientation and consultation meeting to welcome the new graduate students of the Main and Tolosa campuses and discussed the guidelines and policies as well as students benefits of having Graduate Student Organization; assisted graduate students in reviving the VSU Graduate Student Organization and elected their officers and framed their activities for SY 2010-2011; and published and reproduced Volume 8 of **Science and Humanities Journal** which contains articles from graduate theses.

The **Office of the University Registrar (OUR)** complied with the requirements for accreditation by the Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACCUP); issued 8,013 copies of transfer credentials, transcripts of records and certifications needed for employment, travel abroad, scholarship grants, licensure examinations and other related purposes; evaluated and updated 6,551 records/checklists of students; sent grades to 11,269 parents; monitored and followed-up 5,823 incomplete grades of students; received and recorded 3,508 students' completion of grades; prepared 1,107 diplomas of graduating students in the Main Campus and External Campuses and 2,199 identification cards of faculty and students; encoded 90,928 subjects of students; printed 10,353 copies of class rosters and grade sheets; encoded 61,098 midterm and 65,579 final grades of students; facilitated the preparation of documents of departments/colleges necessary for accreditation purposes; computed the fulltime equivalent of enrolment of the main campus and external campuses for budget preparation of the university; encoded in the database the records of graduates especially in the past years; and gave orientation to the new students on the academic policies of the university. Moreover, the office 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; facilitated the authentication of diplomas of graduates and other documents of students needed for employment and scholarships/assistantships; assisted students by providing data needed in their research/thesis/subject. Likewise, the office assisted the deans and department heads of the main campus and external campuses in the enforcement of CHED rules and regulations as well as VSU policies regarding academic load, sequence of subjects, course contents, accreditation of subjects and units, and other academic policies of the university. During the year, the office generated a gross income of P967,358.50 from the different services rendered.

The **University Library** was benefited through the personalization features of *Science-Direct*, an online scientific research platform with outbound links to cited or related articles as well as links to scientific databases; conducted crash course in cataloging and classification of the colleges' mini-libraries in-charge; coordinated the "Books for the Barrios" program of the Eastern Visayas Region Librarians Council at the Pangasugan Elementary School; uploaded 252 indexed entries of Annals of Tropical Research articles to WebAgris which can be accessed through the <http://agris.fao.org/> website; encoded 967 entries of the library materials to Sci-Net Integrated Library Management (SILMS) and CATALO; converted 361 theses and narrative reports to PDF files; received literature books from the Books for Peace through the VSU Peace Corps volunteer, Ms. Sydney Merz, National Commission on Culture and Arts (NCCA) through the National Commission on Library and Information Services, and from Ohio Northern University and friends of the VSU Volunteer Librarian, Mr. Charles E. Steele, Jr.

POLICIES/CHANGES TO IMPROVE PERFORMANCE

The different colleges/departments/offices under the Office of the Vice President for Academic Affairs implemented the following changes/policies to improve their performance:

The **College of Agriculture** encouraged/ advised freshmen and sophomore BSA students to identify their proposed field of specialization so that they can be assigned to appropriate academic units for mentoring and supervision. This is the first time that such policy has been implemented in the college and has received very positive feedback from the students

The **Department of Science Education (DSE)** compelled students to speak English whenever they transact business with the staff and should observe proper dress code, that is, "No Shorts, No Slippers Policy", whenever they attend classes or transact business with the faculty and staff; maximized the utilization of faculty members' expertise by assigning them to handle 19-25 units of teaching load instead of hiring part-time teachers; the fourth year BEED and BSED students of the Main Campus as well as VSU Villaba were required to enroll some catch-up courses like Field Study and some major subjects in compliance with the requirements of CMO 30, s. 2004 and to meet the total number of units required by the CHED and PRC Monitoring Team.

The **Department of Animal Science** instituted policies on conducting field trips outside the University especially with contributions from the students, the use of laptop and LCD projector of the Department outside of the department or University, the use of incubators by outsiders, and ensuring the availability of manpower in the livestock projects during weekends and holidays;

The **Office of Graduate School** improved interface with graduate programs, as follows: identified inconsistencies in the forms that needed to be addressed editorially or through the Graduate Executive Council; drafted and obtained approval of the proposal for hiring guest lecturer to teach courses in Land Administration and Management Graduate Program; assisted the graduate program coordinator of Tolosa Campus in implementing the graduate school policies.

A statistics of library users is being done at the **Control Area** of the **University Library** in order to improve its services and to assess the acquisition for each course and needs of the students, faculty and staff and walk-in researchers and the resources loaned daily at the different sections.

OFFICE OF THE VICE PRESIDENT FOR RESEARCH & EXTENSION



Research & Development In-House Review

The University implemented 106 researches during the year, of which 19 were completed and 87 were ongoing; and of the ongoing researches, 11 were new (Table 9 & Fig. 1).

The total budget for R&D in 2010 was Php33,721,393.52, of which 36.0% (Php12,166,114.54) were funded by foreign agencies, 40.0% (Php13,575,278.98) by other national and local agencies, and 24% (Php7,980,000.00) by VSU (Table 10 & Fig. 2).

MATURE TECHNOLOGIES

1. Cassava, sweetpotato, taro and yam varieties – high yielding and pest resistant varieties of rootcrops for food, feed and industry, either in cuttings, setts, tubers and tissue culture materials.
2. Cultural Management Practices (with CDs) – a multi media, interactive CD of the cultural management practices of rootcrops.
3. Synthetic SP sex pheromone – a synthetic sex pheromone to control sweetpotato weevil.
4. Cassava flour and grates products – primary processed products from cassava used for breads, cookies and other food products.
5. Cassava grates processing assembly (cassava chipper / grater, spinner, pulverizer and dryer) – set of machines used to process grates and flour from cassava.
6. Pinoy fries slicer, chips slicer – plain or corrugated-type slicer for the production of chips and *Pinoy* fries.
7. Products for household-based processing or micro-enterprises:
 - gabi chips, sweetpotato and cassava chips, cassava chippy (plain and with *malunggay*)
 - sp ketchup and jam
 - cassava grates products (*espasol*, *pitsi-pitsi*)

Table 9. Number of ongoing, completed and new R&D projects/studies by commodity.

Commodity/Discipline	Ongoing	Completed	New	Total
Abaca	5	-	-	5
Bamboo		1	-	1
Cereals and Legumes	4	2	3	9
Climate Change	1	-	-	1
Coconut	10	2	-	12
Corn	1	-	-	1
Fisheries	1	-	-	1
Fruits and Vegetables	9	1	-	10
Higher Education & Socioeconomics	8	5	3	16
Natural Resources Management	7	2	-	9
Poultry & Livestock	2	1	1	4
Renewable Energy Resources	1	3	-	4
Rootcrops	26	2	4	32
Sago	1	-	-	1
Total	76	19	11	106

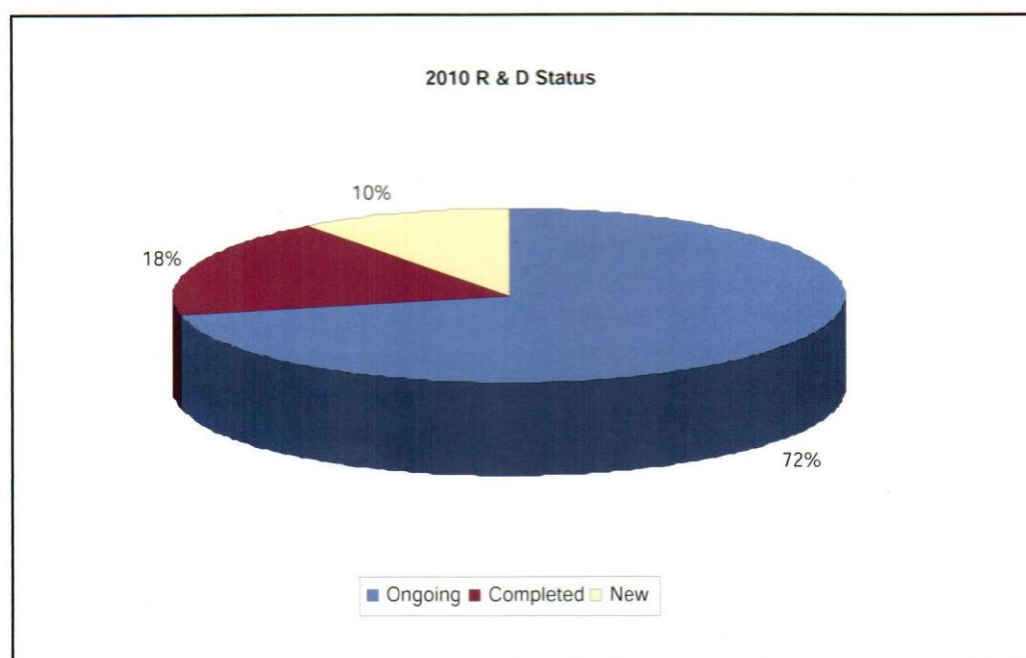
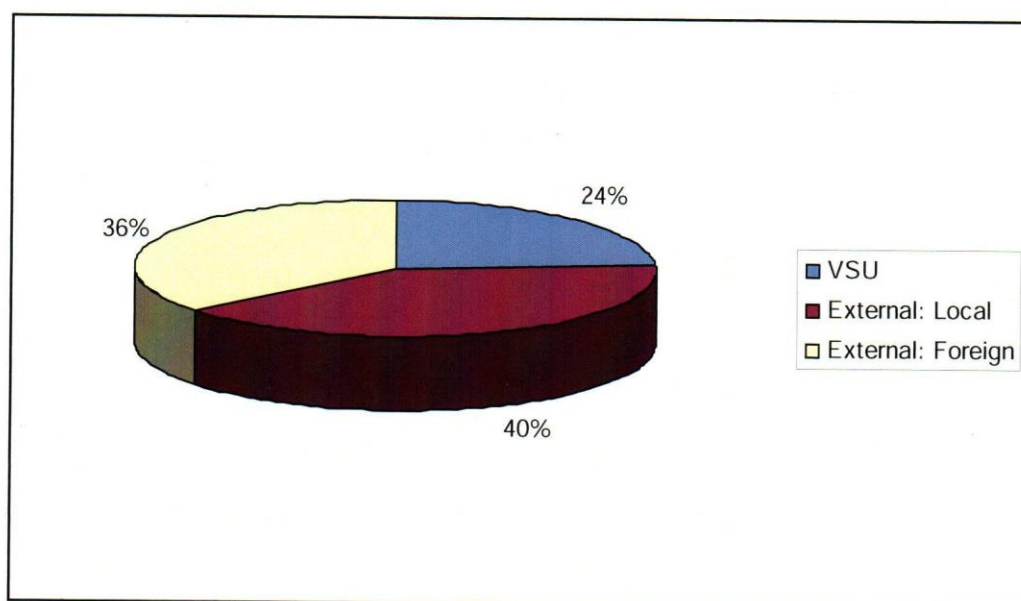
**Figure 1.** Status of researches

Table 10. R&D Budget for 2010 by funding agency.

Funding Source	Amount	TOTAL
VSU		7,980,000.00
Program (Direct Cost)	5,535,000 .00	
Administration (Overhead Cost)	1,845,000.00	
Centralized Funds	600,000.00	
Foreign		12,166,114.54
ACIAR	9,391,073.34	
BSH	787,000.00	
ADB-IRRI	533,750.50	
Kadoorie Charitable Foundation	480,935.00	
CIP	306,187.30	
NatureLife-International	255,565.20	
PENAGMANAKI	160,000.00	
Global Crop Diversity Trust	137,888.20	
Bayer Crop Science	88,715.00	
TUAT	25,000.00	
External: Local		13,575,278.98
DA-BAR	2,492,112.00	
PCARRD	6,953,794.16	
DA-RO/ RFU 8	1,395,000.00	
CHED	858,763.58	
DBP	679,331.17	
NRCP	586,115.00	
Focus on Global South	300,000.00	
LGU	290,163.07	
ManChem	20,000.00	
GRAND TOTAL		33,721,393.52

**Figure 2.** R & D budget for 2010

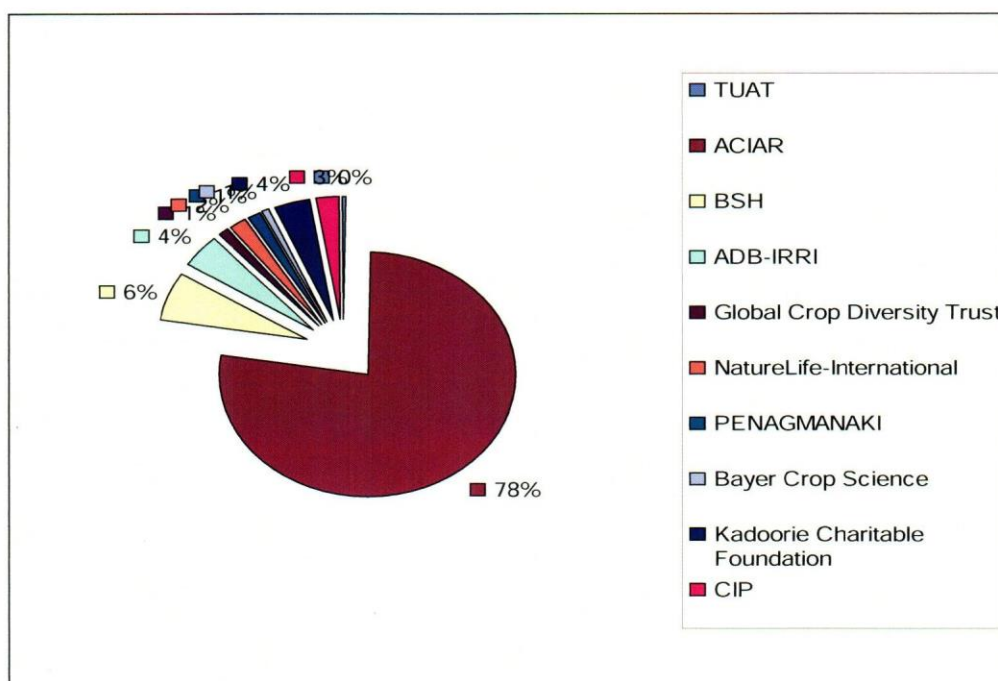


Figure 3. Foreign source of funds of researches

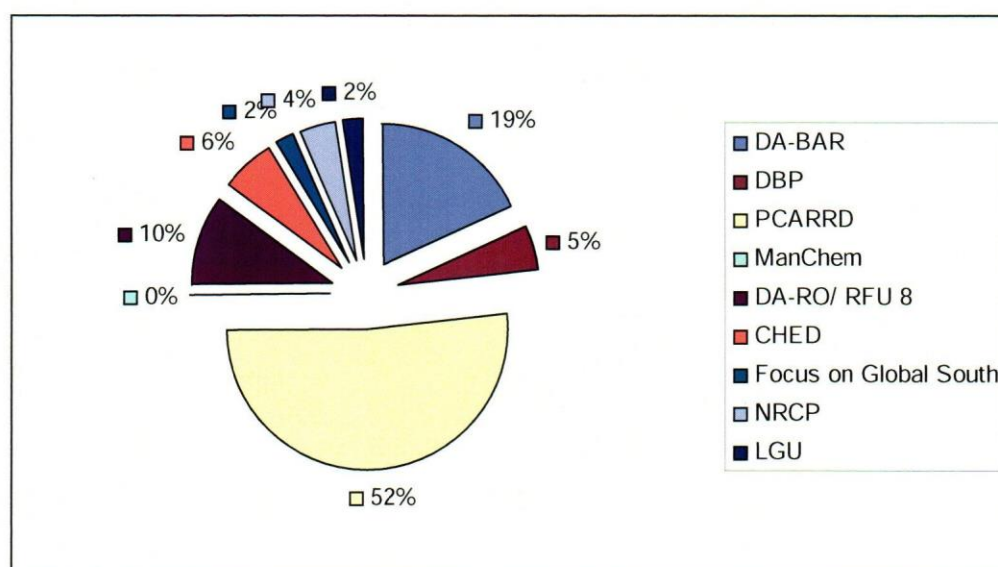


Figure 4. Local external source of funds of researches

8. Rainforestation Technology.
9. *Jatropha* nursery and plantation establishment technology.
10. Biodiesel production from crude coconut oil and *Jatropha* oil.
11. Plant oil stove Protos 2.

GERMPLASM COLLECTION

The following research centers of VSU Main Campus continued to enrich their germplasm collections as source of their planting materials and during the year they had the following number of accessions: **PhilRootcrops** – 2,052 accessions of rootcrops consisting of 969 sweetpotato, 310 cassava, 358 yam (*D. alata* – 225, *D. esculenta* – 78, *D. bulbifera* – 16, *D. hispida* – 20, *D. rotundata* – 18, and *D. pentaphylla* – 1); and 415 taro, yambean, yautia, *talian* and *pungapong*; **NARC** – 818 accessions.

RESEARCH HIGHLIGHTS

VARIETAL IMPROVEMENT

Breeding Sweetpotato for Yield and Yield Quality. In the polycross breeding nursery, 30 sweetpotato genotypes were used as parents which generated 2,220 F1 seeds. The field trials were continued wherein 22 F1 seeds were entered into the observational yield trial, 15 F1 seeds to the general yield trial and 6 selected F1 hybrids were entered into the regional yield trial, namely: JO6 11-10, JO6 11-22, JO6 30-31, JK 23-1, JK18-4 and JK 7-4.

Taro and Minor Rootcrops Genetic Resources Conservation and Utilization. A total of 415 accessions of taro, yambean, yautia, *talian* and *pungapong* were maintained in the field genebank. The project also modified the *in vitro* conservation of the different taro accessions in the germplasm using sterilized soil as medium

with different concentration, method and time of application of pactobutrazol as growth regulators. The result showed that generally the application of pactobutrazol rescued in the decrease of plant length. Twenty-one (21) taro germplasm accessions were planted to the field after having been rescued from loss in the genebank. Seeds from yambean plantation were collected and stored.

***In vitro* conservation and maintenance of abaca germplasm.** A total of 302 abaca accessions were conserved, maintained and duplicated *in vitro*. Thirty-two (32) of these were at initiation stage, 137 were at proliferation/multiplication stage and 133 were in conservation medium.

Sixty-six (66) abaca accessions were indexed for abaca bunchy top virus (ABTV), abaca mosaic virus (AMV) and abaca bract mosaic virus (ABMV) at the National Institute of Molecular Biology and Biotechnology of the University of the Philippines, Los Baños, Laguna and 17 were found positive with viruses.

CULTURAL MANAGEMENT

Development of Cost-Effective Protected Vegetable Cropping System in the Philippines. The project initially constructed nine (9) structures at three (3) different sites, namely: VSU (4 house type and 3 tunnel type), Cabintan, Ormoc City (1 house type) and Gutosan, Maasin City (1 house type).

With the support of LGUs in Ormoc City and Maasin City and the two private companies, East West Seed Company and the Energy Development Corporation, 23 new protective structures of various designs were constructed at the different farmer sites. It included the 10 VSU-modified house type, 3 raised type, and 3 vent. All new structures were constructed using bamboo. At present, a total of 32 protective structures of varying designs were already constructed at VSU and at farmers' sites in Maasin City, Bato, Leyte, Bontoc Southern Leyte and Ormoc City.

Results of the first year of the 2009 trials showed that in general the different vegetable crops grown under protective structure regardless of designs and types demonstrated promising yields compared to those grown in the open field particularly during off-season. The increase in yields was about 2-5 times higher under structure. These findings were ascribed to the beneficial effects offered by the structures such as protection against heavy rain, strong winds and to some extent occurrence of pests. The higher yields obtained in plants grown under protective structures correspondingly generated higher gross margins.

PEST MANAGEMENT

Identification, Pathogenicity & Evaluation of Management Strategies Against the Wilt-causing Microorganisms in Jackfruit. A re-evaluation on the interaction study of *Phytophthora* sp. with *Fusarium* sp. and *Meloidogyne incognita* in causing jackfruit wilt was conducted and the results revealed that *Phytophthora* sp. is the primary cause of the disease.

In-vitro and *in-vivo* evaluations of different fungicides against the wilt pathogen, *Phytophthora* sp. showed that Thiophanate Methyl (Armor) produced the highest inhibition against *Phytophthora in-vitro* and was followed by Thiophanate Methyl (Topnotch) and Mancozeb (Dithane). Moreover, results of the *in-vivo* revealed that Fosetyl Al (Alliete) was the most effective fungicide which is known for its systemic effect for the control of *Phytophthora* diseases. No wilt symptom was observed throughout the period followed by Mefenoxam (Ridomil) as the next effective fungicide for controlling wilt. As expected, the untreated plants (*Phytophthora* sp. alone and sterile water) had the highest disease severity and percent infection.

Varietal Reactions of Yam to Anthracnose Disease. Ten (10) varieties of yam namely; VU1, VU2, VU3, VU4, VU5, VU6, VU7, VU8, LA 359 and Inopacan White were used for the experiment. In the field experiment, natural infection occurred.

Results showed that VU2, VU8 and Inopacan White were the most susceptible varieties. In the inoculated experiment, five isolates of *Colletotrichum gleosporioides* from different areas were separately inoculated to the test plants. The same results had been obtained as those in the field trial.

Formulation of Sweetpotato Weevil Pheromone. The synthetic pheromone, Z-3-dodecenyl-E-2-butenate, produced in study (already completed) was further formulated as a ready to use materials for mass trapping male sweetpotato weevil in the field. Two carriers: natural rubber septa and propylene vial were loaded with 1 mg pheromone. Another set of the carriers was loaded with same amount of pheromone with UV protectant and antioxidant added to prevent photooxidation of the pheromone. Attraction of the sweetpotato weevil with antioxidant/UV protectant was extended by three to five weeks relative to the unprotected standard formulation.

Field Evaluation of the Sweetpotato Weevil Pheromone. Field evaluation of the sweetpotato weevil pheromone was conducted in the field using the sweetpotato field experiments of PhilRootcrops and in a farmer cooperator in Cabintan, Ormoc City using PSB SP-17 and NSIC SP-30. The pheromone traps were set up for the entire cropping to mass trap the male weevils. The purpose of monitoring was to detect



Numerous weevil attracted to the trap after 15 minutes from installation

and determine the population dynamics of SPW. Continuous application of pheromone traps for the 5th consecutive cropping (August 2010-Dec 2010), the weevil infestation was down at harvest time by 10-15% in areas without the pheromone traps and only 1.3-4.2 % with installed pheromone traps. From several thousand of male weevils caught in the pheromone traps during the first cropping, the male weevils trapped hardly reached 50 towards harvest during the 5th cropping indicating a very low level of weevil population remaining in the field.

Survey and Biological Studies of Tortoise Shell Beetle, Tussock Moth and Jumping Plant Bugs. Tortoise shell beetle completed its development within 4-6 weeks and reproduced successfully on sweetpotato (*Ipomoeae batatas*) and other *Ipomoeae* species: *I. triloba*, *I. aquatica*, *I. pescaprae*, and *I. pentaphylla*. Shorter life cycle, higher reproductive rate, lower mortality rate, longer life span and bigger size were observed on sweetpotato and *I. triloba* than the other 3 species. The protein content of the host plants was positively correlated with developmental period, reproductive, potential and life span. High sugar content produced wet trass and negatively correlated with the different biological parameters. Natural enemies associated with tortoise beetle included unidentified pupal parasite and unidentified entomopathogenic fungus attacking the ootheca. Pupal parasitism was less than 1%. Initial result of the assayed entomopathogenic fungus indicated the potential of using virulent strain of *Beauveria bassiana* isolated from sweetpotato weevil as biological control agent against the immature and adult beetle.

POST PRODUCTION

Production, Encapsulation and Evaluation of PRP-1, a Novel Antihypertensive Protein from Yam (*Dioscorea alata* L.) The yield of PRP-1 from laboratory established yam extraction procedure was 333.1 mg per 100 g of tubers which was consistent with the one previously reported (364 mg per 100 g of tubers) using small sized columns. Medium scale columns were

capable of processing 1 liter of crude extracts effectively.

Purified PRP-1 was biologically active by stimulating proliferation of bone marrow cells and spleen cells. PRP-1 can be purified from cooked yam tubers and was also able to induce proliferation of bone marrow cells and spleen cells.

The antioxidant activity of purified PRP-1 was demonstrated using the DPPH radical scavenging assay with Trolox as standard. Increasing the concentration of PRP-1 also increases the antioxidant activity of the protein in a dose-dependent manner.

Development of Immuno-based assay for Detection of Abaca Viruses. Sensitivity assay using the Dot blot protocol of the 3 generated antisera – Bicol, Davao and Leyte, showed that Bicol antisera could detect ABTV virus to as low as 25 ng while the two were sensitive to higher ABTV virus concentrations of 100 to 500 ngs. This result was further verified using microtiter plates.

To diagnose for ABTV infection, the generated antisera were tested on the collected abaca leaf samples. Results in the Dot blot method showed samples to have ABTV infection. These samples were collected in Brgys. Catmon, Catmonay, Cabintan, Gaas, Liberty, Milagro and Lake Danao in Ormoc City. Also samples were taken from Lip-ac in Camarines Sur and Davao City.

Development of ELISA-based Technique for Detection of Chemical Contaminants in Meat and Meat Products. Antigens for antibody production were made by conjugating these antibodies to carrier proteins. Amoxicillin and ampicillin were conjugated to keyhole limpet hemocynain (KLH), nitrofurantoin 3-[[2-(2-Nitrophenyl)-Amino]-2-Oxazolidinone] or (NP AOZ) was conjugated to horse radish peroxidase (HRP), and penicillin to bovine serum albumin (BSA). Among the conjugates synthesized, amoxicillin-KLH conjugate had the highest yield (95.67 mg/ml) followed by ampicillin-KLH (71.84 mg/ml), penicillin G-BSA (65.56 mg/ml), and NP AOZ-HRP conjugates (54.83 mg/ml).



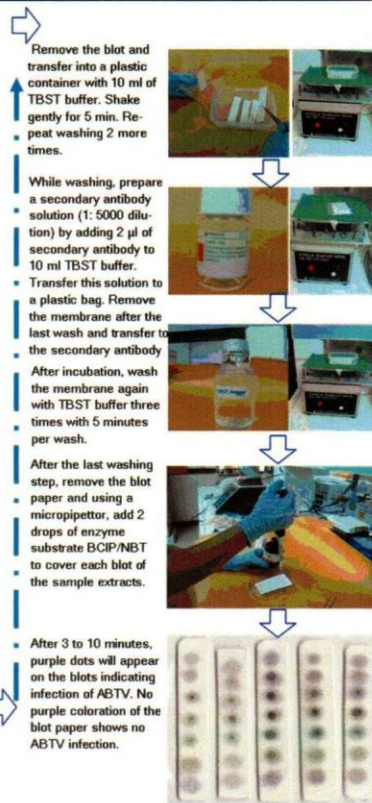
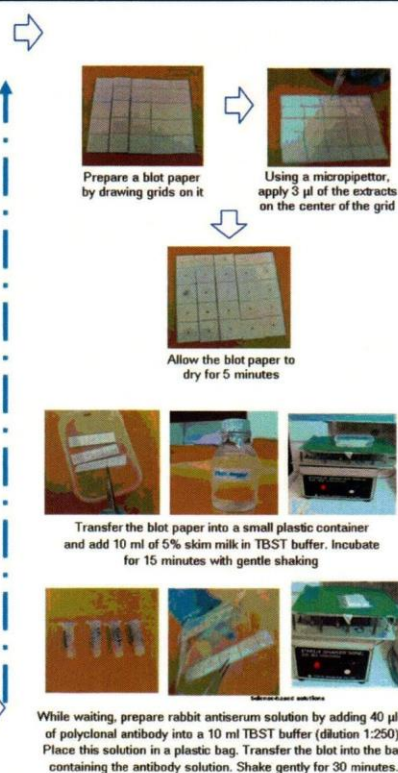
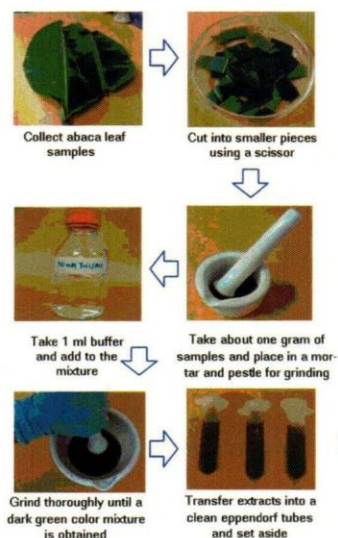
Procedure for detecting ABTV in abaca plants

Materials required:

1. Blot paper
2. Micropipette and tips
3. Polyethylene bags
4. Plastic ware
5. Mortar and pestle
6. Pair of gloves
7. Portable shaker
8. Eppendorf tubes
9. Scissors
10. Forcep
11. Plastic sealer

Reagents required:

1. 20mM Tris-HCl
2. 150mM NaCl
3. 0.05% Tween 20
4. 5% skim milk
5. Rabbit antiserum
6. Anti-rabbit alkaline phosphatase
7. BCIP/NBT
8. Distilled water



Generated antibodies were tested to determine the detection limit of the antisera. The result of the enzyme link immunosorbent assay showed that the generated antibodies were able to detect the lowest antigen concentration of 50 ng/ml. In Dot-ELISA, the detection limit of amoxicillin, ampicillin, penicillin and NPAOZ antisera was 100, 50, 10 and 10 mg/ml, respectively.

PRODUCT DEVELOPMENT/IMPROVEMENT OF FOOD PRODUCTS

Development and Improvement of Process for the Production of Some Selected Rootcrops Food Products. Three (3) wine starters were evaluated for the production of taro wine namely: *rage tape* from Indonesia, *bubod* from Baguio City and *tapay* from Dipolog City. Of the starters used, wine tapay starter produced wine with higher alcohol content and lower total soluble solids (TSS).

Rootcrop wine fermented at air-conditioned temperature had better quality and higher acceptability scores than those fermented under ambient condition.

Wine produced from 9-months old taro had significantly the highest yield, low TSS and pH levels but higher titrable acidity and alcohol levels. However, sensory evaluation of the products showed that wine from seven (7) and eight (8) months old taro had the highest acceptability scores while those produced from nine (9) and 10 months old taro had the lowest scores, especially the color.

On the other hand, chocolate cookie made from 100% cassava flour was developed and it was observed that cookie added with brown sugar had significantly higher sensory acceptability scores than that of cookies added with raw sugar (kinugay).

Suitability of Different Sweetpotato Varieties for Flakes Production. PSB SP-17, NSIC SP-25 and NSIC SP-30 were subjected to enzyme activation technique at varying pre-heating time (30 & 60 min) and temperatures (ambient room temp, 65-750°C & 75-850°C) and storage period of 1, 7, 14 and 21 days. The result showed an increase in TSS through enzyme activation by heating the SP purees at temperature ranging from 65°C - 850°C for a period of 30 minutes to 1 hour. It was also observed that pre-heating temperatures did not have a significant effect on the TSS of the purees samples because the TSS were of the same ranges from all treatment regardless of the pre-heating temperatures. This finding suggests that pre-heating may not be necessary, thus minimizing production cost.

Two SP varieties (PSB SP 17 and PSB SP 20) were furthered studied and their purees were subjected to enzyme activation technique at different cooking time (15, 30, 45 & 60 min). The results showed an increasing trend of TSS values and decreasing trend of pH values as influenced by increasing the cooking time.

DEVELOPMENT AND QUALITY ASSESSMENT OF NOVEL AND HIGH VALUE FISHERY PRODUCTS IN REGION VIII.

- Samples of dried and salted fish were collected from some parts of Biliran Province and Sto. Niño, Quinapundan. The fishery

product from Biliran was similar to the products from Samar, Leyte and Southern Leyte except for the seaweeds. The same findings on product quality wherein taste of traditionally processed fish (dried and salted) were rated "too salty" by the panelist and the production process did not follow the GMP for fishery products. The processors in Samar, Leyte and Southern Leyte learned the processing technology of dried and salted fishery products from their parents and some learned the process from their neighbors and friends.

- Traditionally processed salted anchovies and alamang were among the fishery products that are common in Region 8. The quality of the product varied from processor to processor but generally, the products were too salty. Modification of formulation particularly on salt concentration was done. The existing salted anchovies and alamang were developed into a much better kind of product by processing them into a sweet, salty and spicy sautéed anchovies and stir-fried alamang in bottles.
- Sweetpotato (SP)-fish-moringa noodles was developed. The levels of SP, fish and moringa leaves were optimized. The sensory attributes of noodles were evaluated and the product was found acceptable among sensory panelists.
- Fish-moringa crunchies, a puffed product from cassava flour incorporated with malunggay and fish, were developed and was found highly acceptable among sensory panelist. Consumer evaluation of the



Fish-malunggay Noodles



Fish tocino



Seaweed kimchi

improved and developed fish-based food product is underway.

- Fish-flavored soft cheese was formulated and the quality of the product was evaluated. Results revealed that levels of fish significantly influenced the sensory attributes of the product, that is, the higher the fish level, the more acceptable is the product.
- Fish tocino was processed using the white Marlin specie. The curing medium was optimized and the sensory attributes of fish tocino were evaluated. Results showed that regardless of the levels of curing medium used, the product is acceptable.
- Kimchi from sea vegetable or seaweed was developed. The process and the formulation were optimized and the product was evaluated.

Development of Dairy Food Products from Carabao's Milk. Quality and processing possibilities of native and hybrid buffalo milk were assessed and processing characteristics were evaluated. Flavored milk drinks and soft cheese were also developed and the product quality and acceptability were evaluated. Carrots, pandan and mocha were found potential flavorants for fresh milk. The sensory attributes of the milk were enhanced by incorporation of these natural flavorant.

POTENTIAL SOURCE OF ENERGY

Isolation and Identification of Micro-organisms Found in the Microbial Fuel Cells (MFC) from Cassava Wastes. MFC designed as single chamber utilizing blue pipes and dried *nata de coco* slabs as proton exchange membrane was used in the set-up. Continuous fermentation using VSU waste water at the VSU lagoon was done from 30 days. Microbial count at the anode and the energy generated during fermentation were monitored every five

days. Actinomycete isolate coded as A65 was also tried and inoculated in microbial fuel cell chamber (Yakult bottles).

An increase in microbial count at the anode from $>10^4$ to 10^6 cells/ml was observed from 0 to 30 days of fermentation. The highest microbial count was observed after 2-10 days of fermentation. No further increase in microbial count was observed from 10 to 30 days of fermentation. This can be attributed to the formation of green algae at the inlet tube where wastewater from the VSU lagoon passed into the fermentation chamber. Nevertheless, there was a continuous voltage from 0 to 30 days of fermentation. It may be possible that bacteria that can generate electrons were captured at the anode. However, since the continuous inflow of wastewater which is the source of nutrients for the bacteria was stopped, the depletion of growth substances which hindered further multiplication of the bacteria.

MFC inoculated with actinomycete A65 had an increase in voltage reading from 158 to 369 mv from 0 to 6 days of fermentation. The ability of this isolate to produce energy will be further tested.

Jatropha Enterprise Development and Integrated R & D Project for Biodiesel Production (Phase II). Pilot Jatropha plantations in the Main Campus was maintained by cleaning the area regularly. Maintenance and data collection of the pilot Jatropha plantation in Villaba Campus was continued and the preparation of the final report is being finalized.

Testing and evaluation of pedal-operated Jatropha fruit husker and the Jatropha seeds sheller was conducted. Final report is being prepared.

Performance Evaluation on the use of 100% Biodiesel as Fuel for a Used Vehicle of the Province of Leyte. The performance of a used Isuzu Fuego was evaluated using a 100% diesel fuel and diesel fuel with 10%, 20%, and 50% biodiesel mixture, and 100% biodiesel. The

results indicated that the vehicle has a better performance in terms of gas emission and technical performance compared to a diesel fuel.

Promotion of Plant Oil Stove in the Philippines (Phase II). The technical performance of the second series of the Plant Oil Stove protos, developed by BSH, was conducted at the VSU Plant Oil Technology Center and the results indicated that the stove can be operated at lower pressure of one bar that resulted in lower noise level and better performance and the said stoves are currently tested in selected households.

IMPACT ASSESSMENT

Impact Assessment of the Bamboo Demonstration and Pilot Application of Technology Packages and Production Systems Program

The technology packages demonstrated across sites included: nursery operation/planting stock propagation, field planting/establishment/outplanting, maintenance and protection, and harvesting. The giant bamboo species from Bukidnon were introduced in Iloilo to stimulate R&D on bamboo in the province and the rest of Region VI. Due to the continuous information dissemination on the potential of the giant bamboo to provide raw material on bamboo-based industries, the demand for the said species increased.

The program strengthened the bamboo research and development activities of the implementing agencies. In Ilocos Norte, the project helped rehabilitate the bamboo machineries at MMSU by providing 25 different machineries to the Regional Center for Bamboo Craft that was established by the Cottage Industry and Technology Center in 1986.

The following were the offshoots of the project: creation of the MMSU Bamboo Research, Development and Training Center (BRDTC)

presently known as the Kawayan Engineered Products Processing Center or Kawayan E-Products Processing Center in Ilocos Norte which aimed to push for the commercialization of mature bamboo production, processing and utilization technologies in Region 1; proposal for the Integrated Kawayan R and D Program (IKRDP) that aimed to expand and transfer the *Kawayan Technology* Program in Region 1; the bamboo project in La Union promoted the Eco-Tourism Project (ETP) of DMMMSU, North La Union Campus for the planting of different bamboo species. As a consequence, a bamboo demonstration farm was established and various bamboo species with ornamental value were planted along the major route of DMMMSU as well as in parks. The offshoot of the project in Iloilo was the Integrated Bamboo Research and Development Program.

Moreover, the program built the capacity of implementers, institutions and farmer cooperators involved which is shown not only by the scientific knowledge and information generated but also by the awards received, linkages with various agencies/institutions, research facilities established, institution building and livelihood projects, and improved research capability.

POSTHARVEST PROCESSING

Quality and process optimization of medium density fiber cement board. Screening experiments on quality fiber-cement board were conducted using response surface methodology with the combination of different fiber materials, sand and cement. Natural fibers such as abaca (ultimate fiber and raw fiber) and coir were used in the experiment. Different combinations of fiber, cement and sand produced fiber boards with densities ranging from 0.41 g/cm³ to 3.29 g/cm³. Termite tests on the experimental samples exposed to termite for 8 months showed no reduction in weight due to termite damage. However, a reduction in weight was observed on the samples due to further drying.

SIGNIFICANT RESULTS OF COMPLETED RESEARCHES

Meta-research of Development Communication Studies Conducted by Students of the Visayas State University: Patterns and Trends since 1979

This study aimed to identify patterns and trends in development communication research conducted by students of the Department of Development Communication (DDC) by examining the development context, focus, theoretical bases, methods used and the major findings of their research.

Using meta-research, a total of 203 studies written by DDC students from 1979 to 2008 were content analyzed.

During the first decade of DDC's existence, most of the students' research concentrated on agriculture, mass media and health. But in the recent years, the DDC students' research has already accommodated a variety of development issues to include health, environment and information communication technology. Most of the studies, however, focused mainly on two areas of communication research - audience or people and effects research.

Although communication books list more than 200 communication-related theories, only 18 theories were used in the studies. Of the 18, only eight were used more than once. The most often used theories were social cognitive theory, social learning theory, and constructivism.

Majority of the studies used quantitative methods although an increase in the number of studies that used qualitative approaches or a combination of the two was noticed in the recent years.

A good number of the DevCom students' studies tested relationships among variables. The major findings of most of these studies were: (1) information exposure significantly influenced the respondents' knowledge, attitude and practice; (2) information exposure was significantly associated with the respondents' educational attainment and age; and (3) the

sociodemographic variables that most often emerged to have significant relationship with the respondents' knowledge, attitude and practice were age, sex, educational attainment, and income.

Development of Marketing and Communication Materials for D/M/MS Land Administration and Management Degree Programs

This project generally aimed to develop and produce the most appropriate communication and promotional materials to support the new graduate programs in Land Administration and Management offered by VSU starting June 2010. In May 2010, the LAM Education Program Promotion Team was able to establish the LAM website (www.lamvsu.com) and produced the following materials for the promotion of the LAM graduate degree offerings: 10,000 copies LAM leaflet; 2,000 copies LAM brochure; 1,000 copies LAM poster; 100 copies of DVD containing LAM Education videos; 100 copies of CDs containing 3 radio spots promoting the LAM graduate programs.

Some of the materials were already distributed to the local government units (LGUs) and state colleges and universities (SCUs) in the Visayas and Mindanao regions, and to other interested individuals and agencies/organizations in the country. Other materials were turned over to the Institute of Social Research and Development Studies (ISRDS) which is coordinating the offering of the LAM graduate degree programs.

Carbon Trading for Global Warming Mitigation in Leyte Island, Philippines

The project was implemented in Brgy. Poblacion District II of Silago, Southern Leyte. A training on Rainforestation farming was conducted to give background information to the prospective RF adopters on the importance of biodiversity and natural resources and how to rehabilitate the denuded forest land and manage the remaining forest in a sustainable way. After the training, the participants were organized themselves and formed an association, later known as the Poblacion District II Rainforest Farmers

Association (PDRAFA), the main aim of which is to develop their capacity in maintaining the farm after the termination of the project.

A tripartite Memorandum of Understanding (MOU) among the Visayas State University, LGU Silago and Brgy. Poblacion District II was signed and a Memorandum of Agreement (MOA) between the land owner and the members of the organization was also signed. The farmers had an exposure trip to the Visayas State University to gain knowledge on the different environmental management strategies and agricultural technology using organic approach that can be replicated in their locality as well as in other areas.

Members of the PDRAFA were trained at the nursery of the Department of Horticulture in the Visayas State University on how to propagate high valued fruit trees asexually to provide them with additional skills that can be applied in the establishment of the proposed commercial nursery as a livelihood opportunity to augment their income.

The 5-hectare RF farm established in Brgy. Poblacion District II would not only increase the vegetation cover and forest biodiversity but also would provide better water and soil conservation and prevent landslide, improve physical and chemical properties of the soil, provide favorable condition for microorganism, nesting place for birds as well as food and habitat for the beneficial wildlife, and mitigate climate change. The farm would also serve as a model for offsetting carbon emission of corporation in voluntary carbon footprint reduction.

Profile, Status, Needs Assessment and Project Development Proposal for Forest Restoration and Biodiversity Protection of Lowland Dipterocarp Forest in Silago

The project development grant was aimed to identify needs and gaps for the development of priority environmental projects geared towards protection and sustainable management of the remaining Silago forests. Six barangays in Silago, Southern Leyte, namely; Barangays Poblacion

District II, Puntana, Tubod, Katipunan, Catmon and Imelda were selected as project sites because they have similar topographic orientation with the remaining forests that need immediate action due to the disappearing forest cover because of indiscriminate cutting, no proper forest management and big open areas that have potentials for rehabilitation or restoration.

Primary data were gathered through a series of interviews with the key officials of the LGU, officials of each barangay, PO officials and members and local residents. Secondary data were gathered from the existing and latest files and further evaluated through a focus group discussion (FGD) participated in by the respondents of the interviews. Moreover, a series of consultation with the local Chief Executive of Silago Municipality, stakeholders and Local Government Units (LGUs) of six communities were conducted to give them the overview and scope of the project.

Socio-demographic profile showed that there was an increase of population from 2007 to 2010 in all project sites especially at Brgy. Imelda due to rapid migration with an average family size that ranged from 4 to 6. The average farm size of some of the respondents ranged from 0.5 ha. to 2 has. Rattan gathering was the major source of income of residents of Brgy. Imelda, while farming and fishing in other barangays.

Most of the constituents were aware of the benefits that the forests could give them, but because they do not have access to other livelihood opportunities, they tend to engage in activities that lead to forest destruction, like further encroachment at the timber land areas, slash-and-burn, and cutting of old/primary trees. However, they were willing to stop these destructive activities if they could avail of potential livelihood options in order to sustain their daily needs.

The interview also showed that the community of Brgy. Catmon would like to venture on livestock production (native goat and native chicken), Brgy Katipunan on cassava production, Brgy. Imelda on rattan production, Brgy. District II preferred to engage in freshwater fish pond,

Brgy. Puntana would love to raise pigs and chicken (broiler) and Brgy. Tubod chose agroforestry project.

With the implementation of this project development grant, the needs, gaps and proposed environmental programs were identified by the concerned stakeholders that are very relevant to the formulation of a broader project to address these needs. Among the identified and prioritized needs were the empowerment of the community, the capacity building of the existing POs, and the training of stakeholders for livelihood options. Most of all, there should be a strong political will and the commitment of the local government unit to carry out environmental programs that would lead to a successful forest restoration and conservation.

Supply Chain Improvement for Abaca Fiber Industry in Selected Areas in the Philippines

The study analyzed the overall profitability and identified areas of improvement for the abaca fiber industry *vis a vis* expanding demand for abaca products.

Results showed that there were five major supply chains of abaca fiber in the Philippines; three of which are pulp millers-led and two are cordage processor-led. Detailed supply chain mapping revealed that transmission of price and product quality information was more asymmetric at the upstream end, implying that there is inadequate transmission of essential market information at the supply base of the chain.

Overall supply chain efficiency of the five major chains was estimated between 50 and 60 percent. Closer analysis of the data showed that high transaction cost incurred at the farmer's level was the major source of inefficiency. Moreover, transaction cost declined significantly along the downstream, indicating a well-established system of transmitting market information existing along this part of the marketing chain.

The farmers' established practice of selling ungraded ("all in") abaca fibers to traders was revealed as the major problem at the upstream end. This practice, along with the absence of

certification of abaca at the farmer's level, denied farmers of any premium for good quality fiber, which consequently discourages them to adopt production measures that would ensure quality. Moreover, it is imperative to intensify extension support for the production of high quality abaca fiber to cope with the expanding global demand. There is therefore a need to strengthen abaca-based RBOs and capacitate them as an active conduit in bringing the application of fiber grades and standards at the upstream end of the supply chain.

Impact Assessment of the R&D Utilization Component Project of the S&T Anchor Program for Philippine Native Chicken

Results showed that across respondents there was generally no complete component package adoption, meaning those practices that were adopted were always evaluated by respondent-adopters in the light of complexity and cost of application. The use of a 50-hen production module was also found to be economically optimal and typical as far as the average adopters of the project are concerned. At an enterprise level, the analysis also showed that hardened Darag native chicken raising generated higher return above cash costs of P3,935.70 and return to labor and management of P3,023.20.

In terms of providing the economic explanations on whether the increase in native chicken production is a worthwhile investment, resulting from the project, the net incremental benefit (NIB) was computed. A 10-year Ex-Ante CBA analysis revealed that the NPV of the NIB showed a profitable result with an IRR of 26 percent and a BCR of 1.39. Closer analysis of the data showed that all the three measures of investment worthiness were highly sensitive to changes in the rate of adoption.

It was recommended that DA and other related institutions of the LGUs should make a special focus and the technology promotion of the component package that is easily adopted by farmers. Also, the role/involvement of the traders and processors should be thoroughly explored in the project. This can further accelerate adoption to an explosive scale. Lastly, the analysis was

highly influenced essentially by the expansive adoption in Iloilo province. It should therefore be noted that if adoption rate picks up in other areas, there could be more profitable opportunities on the technology not only in Western Visayas but also in other neighboring regions as well.

PUBLICATION INCENTIVE SYSTEM

A publication incentive system was established to encourage VSU RDE faculty members to publish their works in internationally respected publications that require peer-review and adhere to high standards of scholarship. It is designed for general standards and reference to be followed. The following will be received by the awardees from VSU as approved by the VSU Board of Regents:

• Journal Articles

- ✓ International, ISI > Php25,000.00 and Certificate of Appreciation
- ✓ International, Non ISI > Php7,000.00 and Certificate of Appreciation
- ✓ National, Non-ISI > Php3,000.00 and Certificate of Appreciation

• Books

- ✓ *Chapter*
 - o International > Php10,000.00 and Certificate of Appreciation
 - o National > Php5,000.00 and Certificate of Appreciation
- ✓ *Whole Book*
 - o International > Php50,000.00 and Certificate of Appreciation
 - o National > Php25,000.00 and Certificate of Appreciation

EXTENSION

The Extension Coordinating Office of the Office of the Vice President for Research and Extension (OVPRE) monitored 21 extension programs/projects, of which four (4) were externally funded while the rest depended mostly on the meager agency funds.

OVPRE conducted an annual extension program/project review in order to provide feedback to improve the effectiveness and efficiency of various project operations. On March 11-12, 2010, only 20 extension programs/projects were presented for review by the panel evaluators of the University, LGUs and PLGUs (Table 11).

Table 11. Extension programs/projects presented during the In-House Review.

Program/Project	Number
Technology Promotion programs/Projects	6
Capability Programs/Projects	10
NRM/CRM	2
Service-Oriented Projects	2
Total	20

During the year, the Extension Section of OVPRE drafted and edited the *Extension Policies and Guidelines Manual*, prepared photo-documentations for the AACUP Accreditation, drafted the module on Flower Arrangement, prepared the Extension leaflet; coordinated and facilitated different trainings, conferences and workshops; coordinated four Agro-Fair/Exhibits that were held in Ormoc, Baybay, CHED, and VSU during the Farmers and Fisherfolk's Day; coordinated with the Farmers and Fisherfolk's Day and two livelihood caravans; documented awardees of Outstanding Farmers in VTR; assisted in facilitating the 22nd Regional RDE Symposium and the Brgy. Patag Development Planning Workshop; and prepared report for TESDA *Kabalikat* Award.

TECHNICAL ASSISTANCE

- **DAS** provided technical assistance through its faculty and staff serving as subject-matter specialists to support private livestock entrepreneurs/farmers, cooperatives, and non-government organizations on swine production, goat production, feedmill operation, livestock production and management techniques.
- **DMPS** served as statisticians to VSU constituents on the design of experiments and sample surveys, statistical analysis and interpretation of statistical outputs/results; monitored the solar-powered battery charging installation in some barangays.
- **DCST** provided technical assistance to the different offices in the university and in the configuration and maintenance of the computers used for the training at the Medical Transcription Training Laboratory; assisted in the integration of 30 Internet in Schools (iSchools) recipients based at the public high schools.
- **DBS** conducted advocacy on Anti-Oil Exploration at the Camotes Sea Coast in the municipalities of Matalom and Bato, Leyte by drafting and passing of a resolution interposing objection of the said activity; conducted resource ecological assessment and evaluation of the marine sanctuaries in Canigao Island of Matalom, Leyte and Brgy. Sambauan and the proposed site in Ol-og of Maripipi Island, Biliran.
- **DDC** provided technical assistance on development communication in support to RDE programs.
- **DOH** provided technical assistance in fruit, plantation, and ornamental crops and vegetable production to different orchard growers on commercial mango production; established the lemonsito orchard; managed the VSU ornamentals, vegetables, coffee and fruits projects; and maintained collaboration with private orchard owners.
- **Department of Agroforestry (DAF)** provided technical support to projects/programs of POs, NGOs, LGUs.
- **Eco-FARMI** provided assistance to LGU Palo in the conduct of training of farmers on Indigenous Micro-Organisms (IMO) production; created a closer collaboration with NGOs, POs, DSAC of Palo, Leyte, LGUs and academe.
- **PhilRootcrops** provided technical assistance to Early 7 Marketing, Inc, a cassava chips and granules assembler in Ormoc City; closely monitored the production of the farm of a farmer; provided expertise on pest and disease management as well as on postharvest of cassava; assisted the Department of Agrarian Reform in preparing a project proposal for ADB funding.
- **NARC** conducted technical briefings on abaca and different capability building activities, information drives/campaigns on disease identification and management of abaca in 17 barangays in Leyte.
- **NCRC-V** provided technical assistance to coconut farmers on the establishment of coconut plantation.
- **Institute of Tropical Ecology (ITE)** conducted advocacy seminar on anti-oil exploration at the Camotes Sea Coast in the municipality of Matalom and Bato, Leyte; resource ecological assessment and evaluation in the marine sanctuaries in Canigao Island of Matalom, Leyte and Brgy. Sambauan and the proposed site in Ol-og of Maripipi Island, Biliran.
- **Institute for Social Research and Development Studies (ISRDS)** provided technical assistance in the management of the Guadalupe Consumers' Cooperative (GCC).
- **Isabel Campus** assisted in analyzing the soil of the rice farm of a farmer and in evaluating the conditions of a sanitary landfill

of Isabel, Leyte; established tree seedlings nursery, Bagsakan Center, and the Isabel Agricultural Center; and gave forage/cassava/banana planting materials to farmers.

- **VSU Alangalang** assisted in the implementation of the GTZ project awarded to Brgy. Mudboron, Alangalang for the Mudboron River rehabilitation and other related activities; provided assistance to the Kabuhayan Microfinance Inc. (KMI), in the conduct of evaluation to beneficiaries in their micro-credit program; and technical assistance to the SWM Team in the implementation of the *Oplan Iban Basura* Solid Waste Management Project of Alangalang LGU.

HIGHLIGHTS OF EXTENSION PROJECTS

NATURAL RESOURCE MANAGEMENT-BASED EXTENSION PROGRAM

1. Development of VSU as Adventure Destination

The **Nature Park** located at the Molave Hill received a number of visitors, trekkers, mountaineers and campers and had generated an income from the entrance fees which were deposited under the NRM Trust Fund.

The **Butterfly Sanctuary** was supported by the Erwin Warth Foundation in Germany for the maintenance of the host plants as well as its collection. The replanting of these host plants were carried out throughout the year and butterflies were reared and mass produced for disposal to some interested individuals. The problem on lack of regular personnel to culture and mass rear these butterflies for sustained production or for instruction and other uses

occurred, although the project had been supported by the students of the National Service Training Program (NSTP) in terms of beautifying, landscaping and maintaining the area.

The **Tarsier Sanctuary**, funded by the Local Government Unit of Baybay through the Baybay Tourism Office, was already completed and functional including the landscaping of the area. It will become a part of the infrastructure for the proposal of the University to convert it to a Wildlife Conservation and Rescue Center. The problem of this project is that animals that were caught and kept in the sanctuary were stolen and the thieves destroyed the structure.

The facility is very useful for local or foreign students as well as researchers who are interested to study the biology and ecology of Tarsiers. In 2010, a group of researchers from the United States and Czech Republic came to study the ecology of tarsiers particularly on their calls. Students from Czech Republic studied the playback calls of tarsiers such as singing, chirping and loud calls, while researchers from the US studied the relationship of light and the color of insect diet. The group left a recorded sound of the tarsier calls for use of the local people to increase their understanding of the life of tarsiers. The sound was tried to determine if it can really attract hiding tarsiers. Although more trials are required to determine the best way to use the sounds, the experiment was done so that visiting researchers and ecotourists who insisted on watching the tarsiers could develop a technique of having a glimpse of the tarsier.

The **Rainforestation Demo Farms, Nursery and Arboretum and Ecopark** were maintained throughout the year. These facilities were used for instruction, training and research.

However, in consonance with the wider promotion of the Rainforestation technology and the need to mass produce native tree species for wider dissemination and more demands, the Institute of Tropical Ecology (ITE) felt the need to expand the nursery facility, particularly the hardening area. Thus, a new and bigger site for the hardening area was established to facilitate housing of more number of native tree species.

This was also done to increase the number of seedlings to meet its growing demand. In addition, more activities, such as research to further study the performance, growth and development of indigenous tree seedlings under various conditions can be conducted. The hardening area will also serve as demonstration area for visitors, educators, tourists and other enthusiasts.

2. All the other components of the NRM project such as **the Medicinal and Pesticidal Garden, Natural Pool and Can-olang Hill** were regularly maintained. Some of the activities done for the Medicinal and Pesticidal Gardens included: pruning the overgrown plants, repair of fences, replanting/repotting and mass propagation of botanicals, weeding, and fertilizing the medicinal plants. Twenty four (24) new botanicals were replanted and around 50 species of medicinal and pesticidal plants were labeled. Brochures on "Common Medicinal Plants and their Uses" and "Common Pesticidal plants and their Uses" were prepared and made ready for reproduction.

Continued **environmental education** had been conducted for elementary pupils, high school and college students of the nearby schools and barangays of Leyte, Southern Leyte and Camotes, Cebu, and also to local government officials of some neighboring municipalities.

3. Sustaining Local Management of Coastal Resources in Baybay City and Cuatro Islas, Inopacan, Leyte

Monitoring results and evaluation of marine resources within and outside the Canigao Marine Sanctuary of Canigao Island, Matalom, Leyte were presented to the participants from 11 coastal barangays of Matalom during the Orientation and Participatory Coastal and Fisheries Resource Assessment Training on Nov. 23-26 at ABC Hall, Matalom, Leyte. Among the results presented were the species composition, abundance (cover, density or fish counts), diversity of the resources and the physico-chemical factors within and outside the sanctuary. The same results were presented to the Sangguniang Bayan of Matalom.

The Coastal Resource Management Office of Baybay City, Leyte initiated the "Search for Best Managed Marine Sanctuary of Baybay City". Results of the evaluation conducted by the VSU Marine Team from Brgy. Plaridel to Maybog showed that of the 11 marine sanctuaries, Pangasugan Marine Sanctuary was the *Best Managed Sanctuary*.

iSCHOOLS PROJECT

The iSchools Project is one of the flagship projects under the Commission on Information and Communications Technology-Human Capital Development Group (CICT-HCDG). It supports the efforts of the Philippine Government and the Department of Education in integrating ICT in Public High Schools. The project has the following major components:

- Conduct of Trainer's Training to ensure quality during the training implementation phase.
 - ✓ Basic Project Management to be participated in by designated ICT Coordinators
 - ✓ Basic Training Management
 - ✓ CILC to be participated in by would-be trainers in the field
 - ✓ Laboratory Management
 - ✓ Library Management Information System
 - ✓ CeC Operations & Sustainability Planning and Management
 - ✓ Community Mobilization
 - ✓ Project Monitoring & Evaluation
 - ✓ Web Development
- Provision of an Internet Laboratory. The project will provide 20 computer units and a server to the beneficiary school, 15 of which will be deployed in the laboratory, 3 in the faculty room, 1 in the library and 1 in the principal's office. The laboratory will be equipped with a wireless internet connection, paid by the project for its first year of operations.

PEST CLINIC

- **Pest Diagnosis.** Clients from different parts of Leyte, So. Leyte and Bohol brought different specimens of vegetables, fruits, coconut and water samples for pest diagnosis, and consequently, appropriate pest management strategies were recommended. The water samples from VSU and Hilapnitan, Baybay, Leyte that were brought in for analysis were found safe for drinking.
- **Trainings/Field Visits and Farmer Orientation.** A training on biocon agents of *Brontispa* was conducted by a staff of PCA of Albay and the biocon agents were released in the "*Brontispa*"-infested barangays of Baybay, Leyte. A farmer orientation was also conducted on "*Brontispa*" identification and damage recognition" in Hibunawan, Baybay, Leyte.

Actual field visits were also done for a hands-on training of the farmer participants.

- **Farmers' Forum/Consultations.** Three of the subject matter specialists of the Pest Clinic served as panelists in the Farmers' Forum during the VSU Anniversary in which most of the questions raised were on pest problems. Likewise, the Office of the City Agriculturist, Maasin City consulted the university regarding the culture and mass production of earwig for *Brontispa* control. The necessary briefings and information were given to their entomologist. The Alangalang National High School students were assisted in the identification of weed specimens used in their research project.

MUSHROOM CULTURE

Due to high public demand, continuous production of mushroom spawns was done. A total of 594 bags were sold to clients from Leyte and Cebu, although the bulk of the sale went to the ICOT-P Mushroom Project of Region 8. Other services rendered included orientation on mushroom culture and briefings on other inquiries related to mushroom production. Spawns of different

edible mushroom species were also displayed during the VSU Anniversary.

NATURAL HISTORY MUSEUM (NHM)

Regular enhancement of the NHM collections and displays was done by the in-charge every year. A total of 5,209 visitors from different parts of the country, including some foreigners (New Zealand and USA), enjoyed viewing the informative displays of specimens consisting of a wide array of flora and fauna of Mt. Pangasugan and other localities.

BUTTERFLY GARDEN

To showcase the aesthetic and entrepreneurial value of insects, the Department of Pest Management continued to maintain the Butterfly Garden. Visitors of the Natural History Museum (NHM) were also allowed to observe live collections of the magnificent butterflies as they passed by a pond of colorful fishes on their way to the garden. Due to public demand, the in-charge managed to culture additional butterflies for sale and during the year, nine (9) clients bought butterflies for weddings and other special occasions. The in-charge gave briefings and orientations to clients and visitors who were interested in butterfly farming and put up a butterfly display during the VSU anniversary.

PESTICIDAL AND MEDICINAL GARDEN

The Department of Pest Management continued to showcase a collection of pesticidal and medicinal plants in three separate locations in the VSU Main campus. Through the in-charge, services rendered during the year included actual viewing, identification, sharing of information on uses and propagation, exchange of materials, and availment of planting materials. Moreover, the distribution of planting materials for free and providing technical assistance were extended to the members of the PANGGUAPA, an

association of housewives in Brgy. Guadalupe and Pangasugan, Baybay, Leyte. The other clients being served included students, private individuals and government/private institutions. Different botanicals were also displayed during the VSU Anniversary.

VERMICULTURE AND VERMICOMPOSTING

Site improvements made to enhance the production of vermicompost and vermiworm included construction of additional shed and beds, re-roofing of existing sheds, improvement of the path to the water source, and planting of plant species as substrates for the vermiworms. During the year, 487 individuals from Leyte, Samar, Biliran, So. Leyte, Agusan and from some transnational corporations were walk-in clients including scheduled trainees. The project was able to produce/dispose 9,283 kgs of vermicast, 52.98 kgs of vermiworm and 33 bottles of vermitea.

Devcompage is a learning resource on development communication for students, teachers and field workers. It provides *pro bono* service to readers. Through this page, readers can ask questions about various communication topics.

Ricehoppers blog is an online resource on the latest information and issues relevant to managing planthopper problems, which can lead to big yield losses in rice if left uncontrolled. It aims to provide the latest information on issues and sustainable ways to manage rice planthopper problems among research, extension and rural communities with access to the internet. It encourages stakeholders to discuss pathways to sustainable planthopper management and provide free and quick access to rice scientists working on planthopper-related problems. In this site, researchers or extension workers can also interact and discuss with world experts on ecological engineering, pest management and biodiversity conservation.

Utanon sa Kaugmaon (Vegetable for the Future) is a joint project of the Department of

Horticulture and the East-West Seed Company that aims to help poor but industrious students by providing inputs and technical assistance for their vegetable production activity of which the income generated could be used as source of their allowance.

Horticulture for Environment and Livelihood Promotion (HELP) promoted the horticulture industry in the Region and served a wide range of clientele.

Building Capacities of Barangay People and Institutions for Community Development (PANGUAPA). The project accomplished the following activities: monitored the activities of the Patag-Gabas-Guadalupe Farmers' Association (PAGGFA); documented PANGUAPA barangay activities like general assembly meetings, barangay council sessions, project inauguration and blessings, etc.; facilitated the release of CBMS data (Pangasugan, Guadalupe, Patag) from DILG Provincial Office in Tacloban City; assisted the Patag LGU in the preparation of proposal for funding from Japan and GTZ; forged linkage with LSU Credit and Development Cooperative for the development projects in the PANGUAPA barangays; and conducted a barangay development planning workshop for Brgy. Patag; did a review of the 5-year barangay development plan of Brgy. Guadalupe; and conducted a seminar-workshop on good governance and internal control for cooperatives.

Networking and Resources Generation for Out-of-School-Youth Development. The project accomplished the following activities: did a recognition program in Canigao Island and distributed Certificates of Recognition to project partners and implementers; initiated an orientation seminar for new and potential partners in out-of-school-youth development; facilitated a program orientation in the Sangguniang Bayan of Mayorga, Tolosa, Dulag and Javier, all in the province of Leyte; and conducted three (3) quarterly meetings of the local consortium for out-of-school youth in Leyte.

Program on Women and Men in Society. Served as focal person of the Eastern Visayas

Reproductive Health Initiatives (EVRHI) – Academe Component; implemented the research funded by VSU entitled “Gender Analysis in Research and Extension Project”; submitted a project report on Gender, Climate Change, Health and the Role of the Academe: Gender Analysis and Issues in the Visayas State University’s Neighboring Communities; organized a capability-building seminar-workshop on Gender, Sexuality and Rights: Articulation of Muted Realities in our Midst; and presented a paper entitled “Gender Analysis Research Report on PANGUAPA Communities”; drafted a resolution appealing to the Local Government Unit (LGU) of Baybay to incorporate into its Development Plan a concrete program that addresses the issue on sex trade within its jurisdiction; and conducted an anti-prostitution campaign in VSU campus and nearby communities by posting posters and information in strategic areas.

Monitoring, Training and Establishment of Expansion Sites of Rainforestation Farming Technology. It monitored the RF-trained participants and the 215.34 hectares established RF sites to monitor the existing and established rainforestation demonstration and cooperator sites. During the year the following activities had been conducted: regular inspection and assessment of the maintenance and management

of the RF farms in Leyte and Mindanao areas; monitoring on the annual growth performance and harvest of the existing RF site; trainings on Rainforestation farming in other islands of the Philippines; establishment of new RF expansion sites in Leyte and Negros; assessment of proposed RF sites in Surallah, South Cotabato, Brgy. Campokpok, Tabango Leyte, Brgy. Ol-og, Maripipi Island, Biliran Province

TECHNOLOGY PROMOTION

DEMONSTRATION FARM/NURSERIES

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

- **Bayan-Anihan Techno Demonstration Farm** (Main Campus) showcased the proper production of some vegetables.
- **Fruit Crop Farms** of 13 cooperator farms were also used as demo farms for mango, durian, mandarin, rambutan, calamansi, and jackfruit technologies that were assisted by the Department of Horticulture. Other demo farms include: **Plantation Crop** (coffee and cacao located at VSU); **Ornamental Crop** (indoor plants, cutflower and landscaping



Bayan-anihan at VSU

plants located at VSU and Ormoc City); **Vegetable Crop** located at VSU; and BOF Production by the Ormoc Pels and Pura Farms in Ormoc City for ornamentals, vegetables, and papayas.

- **System of Rice Intensification (SRI) Learning Field in the Main Campus** provided the Eco-FARMI staff with a strong working knowledge on the merits of SRI practice in increasing rice yield compared with the conventional method of rice farming and also provided a venue for hands-on training participants on the SRI methodology.
- **Rainforestation Demo Farm (Main Campus)** showcased the performance of the different native tree species.
- **Banana (Lakatan) & Cassava Techno-Demo Farms (Isabel Campus)** showcased the production of banana (lakatan) and cassava.
- **Inland Fish Production and Shrimp Production Techno Demo Ponds (Isabel Campus)** showcased the production of fresh water fish and freshwater shrimp.
- **Vetiver Techno-Demo Farms (Isabel Campus)** showcased the capacity of vetiver to control soil erosion.
- **Rootcrop Gallery** of PhilRootcrops was aimed at elevating the status of rootcrops not only in the food, feed and fuel industry but also their aesthetic value by making them as good subjects in the arts and paintings.

The painting exhibits featured the works of local artists in VSU with their inspiration that ranged from field to market to industrial scenes, roots, tubers and flowers of rootcrops.

- **Rootcrop Gourmet** – a fine dining experience for all PhilRootcrops staff and anniversary guests featuring gourmet foods made from rootcrops. Rootcrops were turned both pleasing to the eyes and palatable to the mouth by the HRTM students of the University and served to the guests in a venue transformed into a bar and restaurant

GARDEN SHOW/EXHIBITS

To showcase the different technologies developed by the University for the visitors to view, the VSU Main Campus had the stationary exhibits maintained by the different centers and departments at the ODREx building. The Office of the Vice President for Research and Extension coordinated four (4) agro-fairs/exhibits, namely: CHED Exhibit, Ormoc Agro-Fair, Baybay Agri-Industrial Fair, and VSU Farmers' & Fisherfolks Day while Philrootcrops participated in the 1st Philippine International Eco-Show (PINES) Exhibit at the SMX Mall of Asia which was sponsored by the CITEM. On the other hand, the Department of Horticulture coordinated the annual Garden Show during the University's founding anniversary in August.



PhilRootcrops participated in the first Philippine International Eco-Show (PINES) Exhibit, at the SMX Mall of Asia.

DISTRIBUTION OF READING AND COMMUNICATION MATERIALS

The following departments and centers of the VSU Main Campus produced and distributed pamphlets, brochures, leaflets, technoguides, training modules to farmers, housewives and other clientele for free or at minimal cost: **DASS** – leaflets and pamphlets on how to grow/produce crops like corn, upland rice, etc. and on proper soil sampling procedures; **DOH** – 140 leaflets/brochures on Guide in Growing Solanaceous/Cucurbits/Solanaceous Crops, and Post Harvest Handling of Vegetables; 110 leaflets of Growing Heliconia/Mums, Orchid and Anthurium Production, List of Indoor and Landscaping Plants; 200 *Giya sa Pagtanum ug Mangga sa Leyte* and Asexual Propagation of Fruit Crops; 20 Training Guides on coffee Production and Primary Processing and Coffee Seedlings Establishment; 100 brochures on Bioorganic Fertilizer Production; **DAF** – extension materials in English, Cebuano and Waray version such as *Primer on Tree Registration, Harvesting, Transport and Marketing Policies in Private Lands, Tamdanan sa Pagparehistro, Pagputol, Paghakot ug Pagbaligya sa Kahoy*

sa Mga Pribadong Yuta, Giya han Pagparehistro, Panmulod, Pagbiyahe ngan an mga Palisiya han Pamaligya han mga Kahoy dida ha mga Pribado nga Tuna, poster on 'Primer on tree registration, harvesting, transporting and marketing in private lands', flyer on 'Primer on tree registration, harvesting, transporting, and marketing in private lands', *Guide to quality seedling production in smallholder nurseries-series of 2009*, *Primer on LGU-based forest nursery accreditation-series of 2009*, *Sumbanan sa Forest Nursery Accreditation nga ipatuman sa LGU-series of 2009*; **NARC** – 445 IEC materials on: *Ang Hustong Pang-abakahan, Abaca Technoguide, Abaca RDE, Major Pests of Abaca and their Management, Leaflets on ABTV (English, Tagalog, and Cebuano versions), Leaflets on the Abaca Power Stripper and TC plantlets*; **PhilRootcrops** – multimedia interactive CDs for the cultural management activities, kiddie booklets to be used in rootcrop social marketing activities, and the new publication entitled *Rapid Mass Propagation Techniques of Cassava Planting Materials for Nursery Establishment*; **ITE** – different IEC materials.



Communication 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** – 11,448.64 kg rice seeds, 414 kg corn seeds, 79.825 kg peanuts, and 14.75 kg mungbean; **DOH** – 1,179.2 gm assorted vegetable seeds, 6.0 kg sweet corn; 3,779 planting materials of different fruit crops: Lanzones – 984, Mango – 932, Duco – 646, Rambutan – 524, Durian – 400, Santol – 211, Jackfruit – 41, Avocado – 22, Guyabano – 12, Mangosteen – 7; **PhilRootcrops** – 5,500 cuttings of sweetpotato, 7,190 cuttings of cassava, 1,200 setts of gabi, 51,632 (6,454 bottles) cassava plantlets; **NCRC-V** – 8,087 coconut seedlings/seednuts; and **NARC** – 84,369 disease-free tissue-cultured abaca plantlets.

LABORATORY ANALYSES OF SOIL AND PLANT SAMPLES

Analyses of soil and plant tissue samples 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, private firms, individuals, and non-government organizations. During the year, **SRTPAL** conducted 879 analysis: soil pH – 142, Organic Matter – 208, Nitrogen – 134, Phosphorus – 281, Particle size analysis – 29, Cation Exchange Capacity – 31, and Moisture Content – 54, while **CASL** analyzed 10,190 samples consisting of water – 364, tissue – 2,928, soil – 6,684, and non-soil – 214.

COMMERCIALIZATION OF TECHNOLOGIES

NARC fabricated and sold 8 units of processing machines: 6 abaca power stripper, 1 village-level twisting machine and 1 plant power stripper to abaca farmers and cooperatives, businessmen and LGUs. The Center also produced and sold 84,369 tissue-cultured plantlets of abaca and banana with 72,290 and 12,079 tissue-cultured plantlets, respectively, to students, researchers, farmers, and private individuals of Laguna, Valenzuela, Surigao, Negros Oriental, Samar and Leyte.

TRAININGS & WORKSHOPS CONDUCTED

The different colleges/departments, centers, and offices of the University System conducted different capability-building seminars, livelihood trainings, orientations, congress, and forums (Table 12).



Info drive on abaca (above); demonstration of a plant shredder.

Table 12. Trainings conducted and services rendered by department/college/center in CY 2010.

DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Department of Pest Management (DPM)	Assisted in the conduct of the Training on Biocon Agents of Brontispa; Organic Farming and Fertilizer Production; Vermicomposting Technology (in coordination with Eco-FARMI)	Farmers, students	125
Department of Animal Science (DAS)	Hog Raising Training Seminar and medication Program; Farmers and Fisheries' Forum Balut Making Demonstration; Goat Production and Entrepreneurship Training; Chevron Product Processing Training VSU Research and Development In-House Review; Identification of Forage Grasses Contest; Meat Processing Training and Seminar	Coop Chairmen, Individual Raisers, Farmers, entrepreneurs, fisher folks, NGOsBAS graduating students, AFNR courses graduates, VSU-Villaba students Researchers Youth Representatives/ Contestant, Lay Ministers Association Immaculate Conception Parish	896
Department of Agronomy & Soil Science (DASS)	Palay Check Program; Training on the Use of Topographic Maps	LGU Municipal and Development Officers, DA Agric Technicians of Leyte	43
Department of Horticulture	Hands-on training on vegetable production; Demo on grafting and marcotting; Alternative livelihood training in response to climate change; Demo and hands-on training on asexual propagation; Ornamental and vegetable production; Lecture-demo on grafting mango; Vegetable container gardening; Training on Nursery Establishment and Orchard Management	Students, teachers, farmers, agricultural technicians, 4-H club officers and members	770
Department of Food Science & Technology (DFST)	Seminar on Sanitation, Hygiene and Safety in the Preparation and Service of Foods Among VSU Food Handlers; Current Good Manufacturing Practices Training; Skills Training on Fruits and Vegetable Processing; Training on Packaging and Labeling	Eatery owners and workers; Farmers, housewives, food processors	668
Department of Development Communication (DDC)	Inception and Consultation Workshop on Conserving Arthropod Biodiversity and Ecosystem Services in Rice Environments; Communication Strategy Planning and Design Workshop on Ecological Engineering-Thailand; Seminar on New Approaches in Communicating Science to Rural Communities; Training-Workshop on Sociological Tools and Survey Procedures; Basic Photography Training Workshop; Orientation & planning workshop for CPAR projects; Training on Process Documentation Research (sponsored by VICARP, DDC & VSU); Training on Development of Project Proposals; Training on Report Writing and Toast-mastering; Writing articles for a school publication; Training-Workshop on Writing Scientific Papers for Peer-Reviewed Publications; Training-Workshop Series on Writing Research Proposals for Teacher Education and Social Science Research	Farmers, Researchers, Extension Workers, Students, Faculty, Technician	412

DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Department of Biological Sciences (DBS)	Orientation on Executive Order No. 533 abd Participatory Coastal and Fisheries Resource Assessment; Seminar-Workshop on Marine Mammal Rescue; Fisheries Database Management Training	LGUs, POs, FARMCMC, Bantay Dagat, Fisherfolks,	113
Department of Mathematics, Physics and Statistics	Statistics for Policy Analysis; Statistical Tools for R&D Measurements; Statistical Advising for design and analysis of experiments and sample survey	Researchers, faculty of SSU, undergraduate & graduate students, LGU personnel	101
Department of Business & Mgt	Season Long Training of Trainers on Palay Check System in Support to IRPEP; Entrepreneurship Training	BSAB students, alumni, VSU students	471
Department of Economics	Job Seeking Seminar; Training on Statistical Packages on Social Sciences; H.S. Career Guidance Symposium	Graduating students, CME faculty and students	300
College of Education	Orientation on Experiential Learning Courses (Field Study & Practice teaching); Seminar-Workshops on the following: Understanding Designs, Preparation of Table of specification, and English Teaching Strategies	Students, elementary & high school teachers	375
Department of Computer Science & Technology	Web Development Training; ICT Literacy Course for Public High School Teachers; computer maintenance, trouble-shooting and recycling training	Public High School Teachers of Region 8, Bohol, Argao Cebu, & So. Leyte; students	175
College of Nursing	Blood Pressure taking-screening-monitoring; immunization program; pre-natal services; health education and other health-related services	Barangay residents of Brgy. Marcos and Sta Cruz; pregnant women, children	385
Institute of Tropical Ecology (ITE)	Environmental education; Rainforestation Training; Rainforestation cross visit and assessment; Sustainable Watershed Management and Forest Biodiversity Conservation Summit; Land Use Development Forum; Orientation on Executive Order No. 533 and Participatory Coastal and Fisheries Resource Assessment (PCFRA); Seminar Workshop on Marine Mammal Rescue; Participatory Coastal and Fisheries Resource Assessment (PCFRA); Fisheries Database Management Training	Elementary pupils, high school & university students; LGUs, POs, farmers, DENR, MENRO, CENRO, PENRO; and Bantay Dagat/ Fisherfolks; FARCMCs; High School Teachers and barangay leaders	985
Eco-FARMI	Training on "Natural Farming Systems; Hands-on Training on Organic Farming and Fertilizer Production"	Municipal Agrarian Reform Officers, Agriculture Technicians, Development Facilitators, Municipal Agriculture Officers, Farmers, Farmer Association Members, Private Agriculture Companies, LGUs, SCUs, Provincial Agriculture Staff	1,073

DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
Institute for Strategic Research and Development Studies (ISRDS)	Seminar-Workshop on the Role of Watershed Management in Local Economic Development; Orientation on the Role of Watershed Management in Local Economic Development; Forum on Conflicts in Resources Management, Issues and Benefit Sharing: Local Issues, Global Concerns; Good Governance & Internal Control for Cooperatives; Barangay Development Planning Workshop for Brgy. Patag; Review of 5-Year Dev't Plan of Brgy. Guadalupe; Capability Building on Gender, Sexuality & Rights: Articulation of Muted Realities in Our Midst; Orientation Seminar for New & Potential partners of OSY Development	LGU officials, NGO/ PO reps, Water Districts, Coop , officers Patag/ Guadalupe LGU officials, VSU staff & students, BNHS faculty, DepEd staff & volunteers	219
PhilRootcrops	Training on Cassava and Sweetpotato Production, Processing and Utilization; Training on Cassava Nursery Establishment and Mass Propagation;	LGU staff/ATs, SCU instructor professor and funding agency staff, DA RIARCs managers, nursery supervisors, cassava focal persons and technicians from Reg 1-5; 9-12 & CAR, LGU DA technicians from Romblon, Occidental & Oriental Mindoro, field operations/ production in-charge of SMC, GSML and Eastern Petroleum; farmers/ housewives and processors	969
National Abaca Research Center (NARC)	Training on Abaca Tissue Culture, Operation of the Abaca Power Stripper, Abaca Handicraft Training, ABTV Diagnostic Kit Users' Training, Information campaign activities (10 information drives/ technical briefings/field demos/field visits); Information caravan	Abaca Farmers, Researchers/ Extension workers/ Farmer Leaders, students	1,070
University Library	Crash Course on Basic Cataloging and Classification of Books; Orientation on Experiential Learning Courses (Field Study and Practice Teaching); Seminar-Workshop on Preparation of Table of Specification; Seminar-Workshop on Understanding by Design; Preparation of e-Book for Graduating Students	In-charge of mini-libraries; DepEd teachers; DFST & DSE faculty; students; elementary teachers; BS Stat graduating students	295
VSU-Alangalang Campus	Adopt-a-Barangay; Environmental Research Symposium	Barangay Officials & other officers, faculty & students of the Envi Mgt Dept	90

DEPT/COLLEGE/ CENTER	TITLE OF TRAININGS CONDUCTED/ SERVICES RENDERED	TYPE OF CLIENTELE	NO. OF PARTICIPANTS
VSU-Isabel Campus	Hands on Training on Organic Farming & Fertilizer Production; Seminar on climate Change; Vegetable Production & Marketing Management; Training on Vermi Composting; Solid Waste Management Capability Building; Seminar on stress Management	Researchers, faculty, staff, technician, LGU, students, Brgy officials	710
VSU-Tolosa Campus	Orientation Seminar on BMIS/CBMIS Questionnaires and Software; Demo on Fish Processing; Reinforcement Training on the Operationalization of Brgy. Integrated Development Approach to Nutrition Improvement (BIDANI); Participatory Domiciliary Nutrition Rehabilitation (PDNR) Training; Skills Training on Bangus Deboning and Meat Processing; Brgy. Management Information System (BMIS) Reinforcement Training Workshop; Technology Demonstration on Fish Deboning and Fish Canning; 2010 Eastern Visayas Fisheries R&D Congress;	NSTP Students; TLE students, Teachers; BIDANI Team; Municipal Tech. Action Committee of LGU; Members of Brgy. Telegrafo Women's Association; BMIS Team, LGU reps recipients of BIDANI; housewives and Fisherfolks of Basey, Samar; Fishery technologists/Gov't employees in-charge of the Fishery sector/ Faculty/NGO/BSFi students	309
VSU-Villaba Campus	Training on Trainers on the Operationalization of BIDANI as an Extension Program/Project/Tool of VSU Villaba	Farmers	53

OFFICE OF THE VICE PRESIDENT FOR ADMINISTRATION & FINANCE



Culmination of Civil Service Month

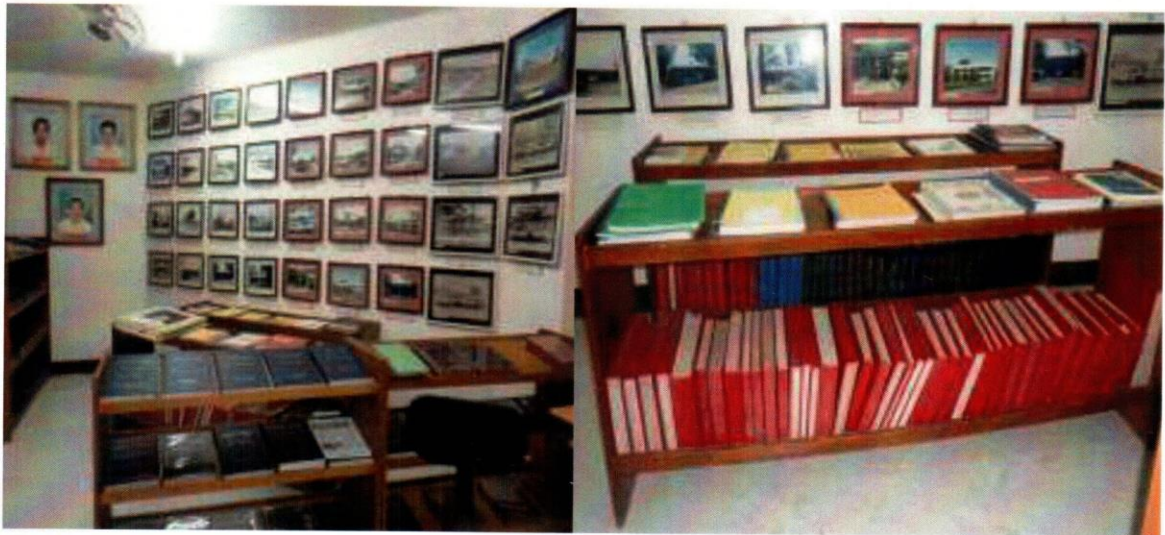
The **Office of the Vice President for Administration and Finance (OVPAF)** conducted a University-wide Budget Hearing for CY 2011 to evaluate the proposed 2011 Annual Procurement Plan (APP) and Equipment Procurement Plan (EPP) from all units based on the available funds and to come-up with a realistic university-wide budgetary plans of expenditure for 2011 based on the following sources of funds: General Appropriations Act (GAA), augmentation, laboratory share, and centralized funds.

1. The **Office of the Director for Administration and Human Resource Development (ODAHRD)** renewed/ issued 178 appointments; 70 contracts of contractual faculty and 132 contracts of part-time teachers; secured approval of 8

new Instructor I positions from DBM after filing a request for reconsideration with valid and strong justifications and sufficient supporting documents; secured the upgrading of eight (8) Administrative positions in the Main Campus; secured approval of the upgrading of 22 positions in the external campuses after it was originally disapproved by filing a request for reconsideration with strong justification and supporting documents; facilitated the conversion of contractual to temporary appointments of 40 faculty members; facilitated the promotion of 22 administrative staff and granting of regular positions to 20 casuals and two (2) contractual employees; prepared 72 each of Report of Appointments Issued (RAI), Part 1 and Part 2; updated the Personal Services Itemization and Plantilla of Personnel

PSIPOP of VSU as of Dec. 31, 2010 and submitted to DBM as scheduled; improved personnel management through various proposals to APB, NAPB and scholarship committee affecting the welfare and development of employees; facilitated the celebration of the Civil Service Month with a well-participated culmination activity and Hataw on September 30; prepared eight (8) contracts for scholarship/financial assistantship; facilitated 18 requests for attendance to trainings/seminars/sabbatical leave; assisted 88 faculty and staff having problems with GSIS; complied with the basic documents required of during the AACUP institutional accreditation; secured the tax exemption of the VSU Cebu land and building from LGU Cebu City; convened the grievance committee and settled several grievances; approved/certified 130 GSIS loans of VSU faculty and staff; reviewed and facilitated 43 requests for change of name or record of VSU students; facilitated the conduct of faculty staff development review; spearheaded the conduct of the 2010 Manpower Review in coordination with the Office of the Vice President for Administration and Finance; prepared answers to COA audit findings on insurance of buildings, grant of honoraria to OSG lawyers & legal counsel, honoraria of faculty with designated positions, and the huge amount of uncollected receivables as reflected in the books; and prepared resolutions of several administrative cases.

- a. The **Legal Office** facilitated the submission of reports and findings of the Student Disciplinary Committee and the Preliminary Investigating Committee as well as the preparation of report of the Formal Investigation Committee and Committee on Decorum and Investigation (CODI) of a sexual harassment case; facilitated the filing of a criminal case; represented in court hearings on some criminal cases as well as mediated/settled complaints of people against an administrative staff and against VSU.
- b. The **Land Acquisition and Titling Unit** identified 71 lots of VSU landholdings, 68 of which have Transfer Certificate of Titles (TCT) while three (3) have no TCT yet; verified the TCTs at the Municipal Assessor's Office, Regional Trial Court and Registry of Deeds; conducted ocular inspection of lots per letter requests from Barangays Patag, Guadalupe, Pangasugan and Marcos; contacted Baybay DENR regarding Proclamation 64 and Pr. 1202 and said office recommended a relocation survey; conducted survey of lots that were encroached by neighboring households; identified 148 squatters occupying VSU landholdings and prepared the list of squatters who continued to build their houses in spite of warning; provided the managers of Seed Net and coconut projects with number lots cultivated; inspected lot numbers 7238 and 9524 that were encroached; submitted to COA the list of tenants and owners of lots paid by VSU with corresponding copies of TCT.
- c. The **Personnel Records and Performance Evaluation Office (PRPEO)** coordinated the calibration of the PMS-OPES Output Reference tables and submitted it to the Civil Service Commission; developed a computerized information system for the Personal Data or 201 Files of personnel, including a photo of each of the staff for easy access and updating and generation of personnel profile reports; facilitated the 3rd cycle NBC 461 evaluation and submitted the needed QCE to PASUC; issued service records, certificates of employment and other certifications requested by employees; certified leave applications, collated Daily Time Records/Certificate of Service Rendered monthly and updated leave records



The Archives Center at the Records Office

- d. The **Records Office (RO)** encoded in the computer 340 Memoranda/ Memo Circular/Administrative Order, 11,095 outgoing official mails, and 44 communications; disposed 4.48 cu m records in the presence of the representatives of COA, National Archives of the Philippines (NAP) and VSU; conducted an Inventory of Records; submitted to NAP Request for Authority to Dispose Records; filed 16,524 incoming records materials from different offices; dispatched 11,095 outgoing official mails to post office; received, segregated and delivered 434 incoming mails from Post Office; delivered 9,817 Memoranda, Memo Circular, Administrative Order; issued 4,233 certified copy of requested documents; rendered 1,117 record reference services to clients; and conducted inventory of records in 201 based on CSC on-going recommendations.
- e. The **Supply, Property & Procurement Management Office (SPPMO)** updated and reconciled the Annual Inventory Report; conducted physical inventory of equipment and vehicles; consolidated and submitted the

Inventory Report of Unserviceable Properties (IIRUP) to the Disposal Committee; reviewed the Acknowledgement Receipt of Equipment (ARE) files of staff and prepared Invoice Receipt of Property; inspected animals for disposal; accepted unserviceable equipment and waste materials and prepared RSUP, II & R and WMR; renewed insurance and registration of 63 VSU vehicles; received and facilitated the inspection, assigning of property numbers, preparation of Acknowledgement Receipt of Equipment (ARE) and Inventory Custodian Slips (ICS) and delivery of newly acquired equipment to the end-users; received, stored and distributed purchased supplies and materials to end-users; and monitored the operation of the VSU Fuel Station;

- **Supply Procurement Service Section** facilitated the procurement of Purchase Request (PR) for office supplies, construction materials and equipment from the different units of the University; prepared a Inspection Reports and Stock Position Sheets of delivered supplies/materials/equipment;

improved the system of withdrawal/delivery of supplies/materials/equipment following the procedure suggested by COA; facilitated the payments of supplies/materials/equipment purchased from the different suppliers; facilitated the procurement of common-used office supplies available at PS-DBM based on the APR of APP for the different Colleges, Departments, Centers and other offices of the University; facilitated/assisted Bids & Awards Committee (BAC) in the public biddings for office supplies/common-use items not available at PS-DBM, construction materials for GSD/OVPAF projects, computer units/peripherals, highly technical/scientific equipment/Instruments for PhilRootcrops and DoPAC, and vehicles for VSU-Isabel Campus; and sent transmittal to and received transmittal from Cebu.

- f. The **Security Services Office (SSO)** apprehended illegal motorists as deputized LTO agents; conducted a seminar and drill on Fire Safety Consciousness and Preparedness for the personnel of the Administration Building in cooperation with the Baybay City Bureau of Fire Protection; responded to the reports on the stealing of motorcycle, mountain bikes, telephone, and street lighting wires, etc and apprehended suspects; facilitated the return of personal items to owners under "Lost and Found" and the filing of a theft case against a suspect at the MTC, Baybay City, Leyte and one theft case now pending at the Student Disciplinary Committee involving two VSU students; recovered one stolen motorcycle, two (2) trays of eggs from DAS Poultry Project, and a cellphone; inspected buildings and submitted reports to the concerned office of the rooms/offices

left open after office hours; responded to emergency reports of electrical/power interruption, road accidents and fire alarm; reported cases of illegal fruit pickings and illegal fishing/hunting within VSU premises; apprehended bamboo cutters, illegal fish vendors, students smoking inside the campus, etc.; retrieved two stolen round timbers; and banned notorious kids from entering the VSU Campus.

2. The **Office of the Director of Finance (ODF)** released budget allocation per Office, Department, Center for 2011; revised the budget process and control of STF based on allocations provided; facilitated the financial and other needs of the different units of the university as well as the different projects of the OVPAF; provided technical assistance on finance-related matters during income generating project (IGP) review and planning workshops; facilitated different financial management services; provided close coordination with OVPAF for the proper distribution of the meager resources of the University as well as with ODA regarding the strategy on regularization of casual employees to meet the available lump sum funding for casual and contractual.
 - a. The **Accounting Office** maintained complete set of books for all Funds (General Fund, Fund 164 (STF), Fund 161 or IGP and 101 Trust (research funds coming from other funding agencies); processed, pre-audited and signed payrolls and other claims and benefits of faculty and staff, student claims for assistantship and refunds of tuition fees, purchase orders, vouchers in payment to suppliers with corresponding VAT Certificates, fund transfers to CSIs, remittances to other government agencies and lending institutions for the account of faculty, staff, students and others; and submitted different financial reports to COA Resident Auditor and other agencies.

- b. The **Budget Office** prepared and consolidated budget proposals for the whole VSU System, Fund 101 and Fund 164 for BOR, CHED, DBM, Senate and other agencies; prepared and submitted work and financial plan, 16 requests for terminal leave benefits and retirement gratuity; issued sub-allotment to all units of the university and provided status of funds by function, unit and project as well as prepared monthly fund transfer to four (4) external campuses; processed 8,218 and 7,498 POs, vouchers, payrolls, PR's/RIS appointments and contracts under 101 and Fund 164 and 161, respectively.
- c. The **Cash Office** implemented COA's recommendation on the frequency of depositing collections as well as the issuance of check for payments above P500.00; implemented the "No Noon Break" policy of collections during enrollment period and other collection activity; assessed the school fees of students during enrollment period; fused assessment slips and examination permit into one form; releasing of assessment slips was done by college;
3. The **General Services Division** completed the construction of the TechnoMart Building, VSU Accreditation Center, Athletic Oval Back-Stage, and Beach Board Walk; renovated the Ponce and Colis cottages, the Offices of the Director of Administration, Vice President for Planning and Resource Generation and the Unit Head of HELVMU; installed floor tiles at ITE Building; repaired and renovated some comfort rooms of academic buildings, the computer room, classroom and office of the Land Administration and Management, and the Skills Laboratory, Lecture Room and Office of the Dean of the College of Nursing; repaired and improved the Billiard Room;



The TechnoMart Building; the renovated Ponce and Colis cottages; the completed Silting Pond; the Athletic Oval Back Stage.



Dental mission in Brgy. Pangasugan, Baybay City, Leyte

repainted the CCE Building; constructed 1.5m concrete sidewalk at the Apartment area; repaired the roofing of Pavilion; improved the drainage system at the back of Ponce and Colis cottages as well as the Silting Pond; fabricated 36-inch diameter concrete culverts for the drainage system; improved the landscape of the university campus and the Fast Food area; maintained in good condition the lighting system, water system and heavy equipment of the university; and installed elevated water tanks on some buildings.

4. The **VSU Hospital** provided optimum primary health care to VSU constituents and neighboring barangays through the following hospital services: OPD consultations - 10,243, ER cases - 440, in-patient services - 114, dental services - 3,379, and laboratory services - 3,136; physical examination: 775 and 1,141 staff and students, respectively, in the Main Campus and 1 and 343 staff and students, respectively, in Isabel Campus; issued a total of 1,942 certificates on Medical, Medico Legal, Birth, and Death Certificates; implemented proper waste disposal system in the hospital; maintained a better maternal and child health care program; provided

vaccination and immunization services to both adults and children; coordinated with other agencies in carrying out some of the school health programs; conducted dental mission in Brgy. Pangasugan, Baybay, Leyte on December 17, 2010; provided assistance in the free clinic for senior citizens in Hindang, Leyte and for the PCSO and An Waray Foundation Free Clinic in Baybay and Hindang, Leyte on December 23, 2010; conducted medical mission at Barangay Amguhan, Baybay, Leyte on October 18, 2010; conducted lecture on food safety last 23 August 2010 and inspected the VSU Food Establishments; conducted "PULA" play in coordination with the BayCiCAT, Prof. Jude Sales and DevCom Students; and provided first aid on site and primary cure during Sports Intramurals for Faculty/Staff and students.

5. The **VSU-Cebu Office** served 1,120 requests for quotation, 385 Purchase Orders, 385 payment checks; facilitated 55 COD purchases; acknowledged 95 incoming transmittals; prepared 102 outgoing shipments, 80 replenishment vouchers; scouted 6 new suppliers; assisted 50 personnel and visitors with official

transactions in Cebu City; accommodated 850 guests at the lodging house; replaced old water pipeline with PE pipe to ensure a supply of water to reach the second level of the lodging house; deepened water pump tail tube to as far as 140ft to avoid the effect often associated with El Niño - the lowering of underground water table level; and beautified VSU-Cebu frontage with landscaping.

MANPOWER RESOURCES

The VSU System had a total of 359 administrative personnel as of December 31, 2010, consisting of 293 in the VSU Main, 12 in VSU Alangalang, 19 in VSU Isabel, 16 in VSU Tolosa, and 19 in VSU Villaba.

TRAININGS ATTENDED

During the year, the administrative personnel of the different offices in the University System attended different trainings, seminars, workshops, and congress on open space technology (OST) resource mobilization planning workshop, as follows: training of trainers on Library Management Information System (LMIS), Philippine E-library orientation, benchmarking tour in Singapore libraries, PLAI National Congress, CE-Logig National Electronic & Digital Subscribers' conference; training on RA 9184 - "The Government Procurement Reform Act of 2003" its Revised IRR (Module 1, II and V); and seminar-workshop on DBM E-procurement system; updating withholding tax on government money payments and new compliance requirements to government withholding agents; basic governance course; AGAP governance, accountability and professionalism; appointments and leave for budget officers/accountants/and treasurer (SEAL_BOAT); planning workshop for Eastern Visayas human resource management practitioners; developmental training program for administrative support staff (DTPASS) and developmental training program for governmental custodial services; PMS-OPES

orientation workshop for administrative staff; basic computer training workshop; convention of the National Association of Registrars of State Universities and Colleges (NARSUC); workshop and general assembly of Eastern Visayas School Registrars Association (EVSRA) and FOSRA; Fire Safety Consciousness and Preparedness seminar; TESDA Bldg. Wiring Installation NC II; TESDA SMAW NC II, Training on Safety Driving and Traffic Rules and Regulation; TESDA CNVS, Skills Test Training for Drivers/Driving NCII; Total Quality Management (TQM) among administrative personnel; MS Access for Records Management; Leave Administration Course for Effectiveness; seminar-workshops on appointments preparation (SWAP), competency-based training for HRMO practitioners - CBT I Component I, and on the preparation of annual procurement plan; basic customer service skills; launching of the search for 2010 outstanding public officers and employees and other CSC Program; gender sensitivity seminar; orientation to the 100% smoke-free State Colleges and Universities; Council of Personnel Officers in Western Leyte Inc. (CPOWL); transformational change management; women in sports nationwide campaign; regional arnis seminar-workshop.

POLICIES/CHANGES TO IMPROVE OFFICE PERFORMANCE

The different administrative offices implemented the following procedure/process to improve performance:

The Office of the Director for Administration and Human Resource Development (ODAHRD) reduced the documents to support appointments of faculty by converting some appointments from contractual to temporary and distributed the available Instructor I positions to qualified faculty members; partially solved the insufficient Personal Services (PS) funds for casual and contractual employees by filling up idle and vacant administrative positions;

facilitated the transparency of plantilla of position by putting the names of those personnel occupying the position; facilitated the compilation of existing and approved policies through the preparation of three (3) manuals on Faculty, Employees & Administrative.

The *Supply, Property & Procurement Management Office (SPPMO)* put up an express lane in the processing of documents for the immediate purchase of construction materials for the construction projects of GSD/OVPAF; improved the collection system of the VSU Fuel Station; strictly monitored the Acknowledgement Receipt of Equipment (ARE) and Inventory Custodian Slips (ICS) to speed-up the processing of vouchers for payment to suppliers.

The *Multimedia Development Center (MMDC)* spearheaded the development of the Style Manual for Undergraduate Theses of VSU students to harmonize the format and style of undergraduate theses in the university, Guidelines for the Production and Publication of Instructional Materials, and Publication Incentive System of VSU to stimulate faculty members to write and publish instructional materials for their classes.

The *University Student Services Office (USSO)* adopted the open-admission policy which requires only "passing" marks from high school. Thus, except for BSN, no qualifying examination was given to the students; reverted back to block orientation of the freshmen and transferees in order to discuss thoroughly important policies of the University related to student supports; psychological testing was modified by utilizing weekends for the conduct of the different sets of examination for the

college freshmen and the checking of the test papers were done during weekdays. In so doing, results of the examination can be discussed with the individual student during their vocational counseling session to be done before the end of the first semester in order to guide properly the students whether they fit to the course chosen; the adviser and student occupants were required to sign a property receipt per room properly to monitor the properties of dormitories,.

The *VSU Alangalang* processed one temporary position of faculty and two administrative positions; reclassified of the positions of the Administrative Staff; conducted PMS-OPES Orientation Workshop for Administrative Staff and two in-house trainings for administrative staff on the PMS-OPES and Basic Computer Training Workshop.

The *VSU Tolosa* installed a Local Area Network (LAN) in the Administration Building; computerized the students' accounts; improved enrolment procedure; each student from each academic department was required to accomplish their Plan of Course Work; repaired the College Food Park; constructed a new entrance gate; constructed a new Hatchery and boatshed; repaired the fishing boat for instruction; procured noodle cutter and deep frier; filled up the Lagoon/Fishpond; and generated P500,000.00 through fund-sourcing activities.

The *VSU Villaba* established the VSU-VC Information Center and created the faculty's official newsletter, "Advocates", a two-page paper aimed to publish news and events of the administration and faculty and the student's official newsletter, "The Pathway" with 14 pages for its maiden issue.

OFFICE OF THE VICE PRESIDENT FOR PLANNING & RESOURCE GENERATION



During the 1st Strategic Planning Workshop for the crafting of the 5-Year Development Plan of VSU.

The **Office of the Vice President for Planning & Resource Generation (OVPPRG)** conducted four (4) strategic planning workshops for the crafting of the 5-year Development Plan of the university; consolidated and published the 2009 Annual Report of the University, in coordination with other offices; collected data for the normative financing, accreditation, IQAME, and other surveys; facilitated the MOA signing between the University and the following organizations: Cornerstone Christian School, FOBI Christian Organization, Northwestern Leyte Development Parents Association and Japan International Cooperation Agency (JICA) in the use of facilities for their seminar-workshops held on campus and also the MOA signing of 93 BSHRTM, 82 BSAB and 5 BSIE (VSU Isabel) students who went on-the-job training (OJT) in Singapore in collaboration

with Ojastro Recruitment Agency, Inc. The OVPPRG supervised the following offices:

The **Office for Auxiliary Services (OAS)** and the **Income Generating Projects (IGP)** monitored the income generating projects of the VSU Main Campus consisting of nine (9) Revolving Fund-Income Generating Projects (RF-IGP) and non-RF IGPs which registered a total income of P24,142,634.55 (Table 13). It also accomplished the following: repaired leaking roofs and defective doors of rented facilities; replaced non-functional and damaged faucets and electric bulbs; maintained the surroundings of the VSU Market and Fast Food Center; settled minor problems with some concessionaires; improved the collection of rentals and other fees; conducted meetings with the different concessionaires as well as issued

memos and sent monthly statement of accounts to them; facilitated the inclusion of important matters for discussion during the monthly Board of Management (BOM) meeting as well as the preparation of the area for the commercial exhibitors during VSU anniversary; conducted sanitary inspection and Seminar on Food Preparation and Sanitary Hygiene; privatized the computer services at Sampaguita and Ilang-Ilang dormitories and coin-operated-water dispenser in other dormitories; and improved the mango and pili nut production and other IGP operations..

The **University Review Center (URC)** organized review classes for examinees in licensure examinations for agriculturists, foresters, veterinarians, and teachers; conducted performance evaluation of the different review teams and reviewees; developed and produced brochures for the licensure review classes for agriculturists, foresters, veterinarians, and teachers; disseminated review schedules during the national conference of Crop Science Society, ACAP Convention, Biostadt Seminar, and

conferences held at VSU; distributed brochures to VSU external campuses (Alangalang, Isabel, Tolosa and Villaba), three schools in Ormoc City (Western Leyte College, Sto. Niño College of Ormoc, Eastern Visayas State University-Ormoc Campus), Palompon Institute of Technology, Naval State University, Biliran National Agricultural College, and Southern Leyte State University; and generated a gross income of P803,250.00 from the registration and review materials.

The **Multimedia Development Center (MMDC)** spearheaded the production of innovative instructional and communication materials such as jingles for the Baybay-LGU and VSU alumni homecoming, radio/video plugs for Land Administration and Management Program at VSU, and video documentary for the Q-Seedling project and East-West Seed Company; supported the instruction program by way of film showing, tape recording, radio drama recording, etc.; and provided documentation services to major activities of the university.

Table 13. Income of projects monitored by the IGP Office (2009-2010).

PROJECTS	2009	2010	Percent Increase/ (Decrease)
RF-IGP			
Pavilion	6,715,943.93	7,908,625.59	17.76
Coconut Non-Food	2,065,571.02	3,855,771.00	86.67
Hostel	1,560,835.87	1,731,810.00	10.95
University Review Center (URC & CCE))	905,058.40	1,064,126.89	17.58
NARC-Abaca Power Stripper	895,000.00	560,000.00	(37.43)
Printing Press	691,001.48	308,769.75	(55.32)
Buko & Coco Seedlings	238,885.00	200,775.00	(15.95)
Seednet (Pangasugan Area)	149,075.25	164,452.50	10.32
Seednet (Patag Area)	118,684.64	537,344.25	352.75
Seednet (VSU Area)	111,000.00	77,500.00	(30.18)
Sub-Total	13,451,055.59	16,409,174.98	21.99
Non-RF IGP			
VSU Bakery	2,079,387.10	2,171,141.56	4.41
Rootcrops	801,259.00	457,206.75	(42.94)
VSU Garden Beach Resort	717,089.70	1,206,164.70	68.20
Infirmary	528,422.60	595,310.70	12.66
Feedmill	508,386.93	223,464.17	(56.04)
LSU Market	443,629.63	571,379.75	28.80
Manila Lodging	436,420.00	527,500.00	20.87
DASS (Soil Lab)	320,274.07	242,250.00	(24.36)
Goat/Sheep	259,815.00	159,390.80	(38.65)
Beef/Carabeef	256,965.00	164,290.00	(36.07)
Ornamentals	249,255.00	189,402.36	(24.01)
Bindery	195,345.50	202,646.38	3.74
Center for Continuing Education	190,407.00	Merged with URC	
Horti Nursery	130,820.00	102,650.00	(21.53)
Convention Center	119,518.00	223,732.54	87.20
PPO Shops	105,530.00	59,230.00	(43.87)
SDMU	92,790.55	158,586.40	70.91
Makapuno	67,942.78	158,562.15	133.38
Cebu Lodging	62,980.00	102,540.00	62.81
Corn Seeds	51,561.25	-	
FARMI Demo Farm/FGS	50,486.00	49,500.00	(1.95)
College Library Fines	39,813.00	-	
Recreation Center	27,350.55	29,084.31	6.34
Locally Grown Seeds	25,708.00	35,743.60	39.04
Ducks and Poultry	25,457.00	54,621.50	114.56
Custom-Made Garments	25,067.00	-	
Sustained Yield	15,060.00	39,547.15	162.60
Coco Intercrops	12,436.00	6,769.00	(45.57)
Souvenir Items	9,471.50	Terminated	
High School Library Fines	7,330.00	2,770.00	(62.21)
Pomology I & III	2,018.00	-	
Sub-total	7,857,996.16	7,733,483.82	(1.58)
GRAND TOTAL	21,309,051.75	24,142,658.80	13.30

COLLABORATION



President Jose L. Bacusmo with faculty of DoPAC met with the in-charge of Wilmington College, Ohio, USA.

VSU drew continued support for its programs by forging linkages with the following institutions and groups of individuals:

- **University of Goettingen in Germany** – in the preparation of an *Erasmus Mundus* project proposal on university partnership that aims to promote quality education, research and training in South and South-East Asia and submitted to European Union (EU) for funding.
- **King Mongkut's University of Technology Thonburi, Thailand** – for the academic exchange among the students and faculty/staff of VSU and those of King Mongkut's University.
- **Wilmington College, Ohio, USA** – for the study program and short term experiences of students.
- **Fiber Industry Development Authority (FIDA)** – for collaborative implementation of the project entitled Multilocal Trials of Promising Abaca Bunchy-Top Resistant Genotypes”
- **Eastern Visayas Mail (EV Mail)**, a regional newspaper, entered into a Memorandum of Agreement (MOA) with VSU to grant scholarship to a third-year BS in Development Communication major in Journalism, starting the first semester of SY 2010-2011.
- **Atty. Carlo P. Loreto**, Leyte Provincial Board Member – for the *Carlo P. Loreto Scholarship Program* to benefit some financially poor college students who have strong desire to pursue a college degree at VSU.
- **New Ormoc City National High School & the Department of Pure & Applied Chemistry (DoPAC)** – to adopt New Ormoc City National High School as a lead institution for the chemistry program in the Ormoc City Division.
- **City of Ormoc and the Visayas Consortium for Agriculture and Resources Program (ViCARP)** – to make the City of Ormoc LGU as additional member of the Consortium.

- **Overseas Workers Welfare Administration (OWWA)-8 – Overseas Filipino Workers (OFW) Dependent Scholarship Program** for financial assistance to qualified dependents of lowly-paid migrant workers who enrolled in any 4-year or 5-year baccalaureate course or associate course leading to a baccalaureate degree or associate degree in a state college or university.
- **Statistical Research and Training Center (SRTC)** – to make the Department of Mathematics, Physics and Statistics (DMPS) a training affiliate of SRTC Region 8 thus future SRTC trainings in the region will be conducted by that department using the training modules developed by SRTC.
- **Western Leyte Provincial Hospital (WLPH)** – for the clinical practice of BS Nursing students and to serve as base hospitals serving as training venue and Ormoc District Hospital (ODH) as
- **Department of Education (DepEd) Division of Leyte** – for student teaching and field study courses that would help provide teachers quality pre-service training program.
- **LGU of Maasin Southern Leyte, ACIAR and East-West Seed Company** – for the establishment of farmers' field school in the selected municipalities of Southern Leyte province.
- **LGU of Ormoc City Leyte, ACIAR and West Seed Company** – for the establishment of farmers' field school in the selected municipalities of Leyte province.
- **BAHANDI, RUYA BioHitech, Inc.** – for VSU-PhilRootcrops to provide technical assistance and support services (e.g. capacity development, socio-economic and technical assessments, M&E) to the Rootcrop Agro-industry Development Project in Davao.
- **LGU-Maripipi, Biliran** – for resource ecological assessment at Sambauan Island Marine Sanctuary and the proposed site for the establishment of marine sanctuary (Brgys. Ol-og and Candol Cove).
- **GTZ Tacloban** – for Coastal Fisheries Resource Management Profiling in Southern Leyte.
- **Department of Science and Technology-Region 8 (DOST-8)** – for monitoring and evaluation of DOST Regional Operations to strengthen its capabilities and performance.
- **Municipality of Silago & Brgy. Poblacion District II, Silago, So. Leyte** – for the implementation of the project entitled "Rainforestation Framing Technology and Carbon Trading for Global Warming Mitigation in Leyte Island, Phil."
- **Baybay City Police Station** – for additional Security Guard for VSU.
- **Department of Science and Technology (DOST), Jojie's Bakeshop, PCIARD** – for commercial scale production of cassava grates and flour in Bohol.
- **Surallah LGU, South Cotabato** – for rainforestation farming system.
- **National Economic & Development Authority (NEDA) Regional Office 8** – for training and technical activities of the disaster risk production and climate change.
- **Phil. Science High School-Central Visayas** – to serve as a teaching venue for student interns.
- **Bayer Crop Science, Inc.** – to assist in the field evaluation of Solomon 300 OD for the Efficacy Against Insect Pests of Cabbage and other Field Crops
- **Philippine Council For Agriculture, Forestry and Natural Resources Research and Development (PCARRD)** – Development of Herbal Drugs for the Management of Common Strongyle Worm Infection in Goats Phase II: Testing and Evaluation of the Quality of the Crude Ethanolic Extract (CEE) Cocktail
- **Second Land Administration and Management Project-Technical Assistance Team** – Process Documentation of LAM Activities by LGUs under The Innovation Support Fund (ISF) and Production of Instructional Case Materials for the LAM Graduate Program.

VISAYAS STATE UNIVERSITY

Visca, Baybay City, Leyte

**CONDENSED STATEMENT OF
INCOME AND EXPENSES**For the Fiscal Year Ended December 31, 2010
(With Comparative Figures in 2009)

	2010	2009
Income	427,698,326.27	391,892,304.97
LESS: Expenses		
Personal Services	280,609,791.89	246,814,056.40
Maintenance and Other Operating Expenses	123,089,266.35	117,570,226.70
Financial Expenses	-	843.00
Total Expenses	403,699,058.24	364,385,126.10
Excess of Income Over Expenses	23,999,268.03	27,507,178.87
ADD:		
Gain on Sale of Assets/Loss on Foreign Exchange	(22,117.69)	5,712.02
LESS:		
Loss of asset/Sale of Assets	133,495.70	92,570.36
Net Income	23,843,654.64	27,420,320.53

VISAYAS STATE UNIVERSITY

Visca, Baybay City, Leyte

CONDENSED BALANCE SHEETAs of December 31, 2010
(With Comparative Figures in 2009)**ASSETS**

	2010	2009
CURRENT ASSETS		
Cash	119,540,341.98	98,267,001.08
Receivables - Net	69,560,059.74	58,054,050.44
Inventories	2,061,624.35	944,597.90
Prepaid Expenses	254,197.92	153,912.18
Other Current Assets	78,563.00	68,563.00
Total Current Assets	191,494,786.99	157,488,124.60
PROPERTY, PLANT & EQUIPMENT		
Property Plant & Equipment	415,986,617.30	398,872,886.25
Less: Accum Depreciation	235,841,237.94	221,305,812.28
	180,145,379.36	177,567,073.97
TOTAL ASSETS	371,640,166.35	335,055,198.57

LIABILITIES AND EQUITY**LIABILITIES**

Current Liabilities	73,562,851.70	55,474,104.76
Other Liabilities	48,405,408.55	45,847,808.06
	121,968,260.25	101,321,912.82

EQUITY

Government Equity	249,671,906.10	233,733,285.75
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TOTAL LIABILITIES & EQUITY	371,640,166.35	335,055,198.57
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AWARDS RECEIVED BY STUDENTS FOR SY 2009-2010

NAME OF AWARD	RECIPIENT	AGENCY/COMPETITION	DATE
NATIONAL LEVEL			
2 nd place – Best paper (Junior Category)	Jessie R. Sabijon	PSST	May 28, 2010
Runner-up (Photography Category)	Hadrian M. Aguilar	ArtPetron's 10 th National Art Competition	Aug. 31, 2010
3 rd place (National Photography)	Ronnan Reposar	CODE-NGO	
2 nd place – Philippine Statistics Quiz	Clar Don L. Evangelio	National Statistics Office – Phil. Stat. Asso, Inc. (PSA)	Dec. 8, 2010
REGIONAL LEVEL			
Champion – CHED Regional Cultural Festival	Juvel B. Dugos Karrie Anne P. Macale	CHED Region 8	March 1, 2010
2 nd place – Virtual Amazing Race	Rommel G. Campos Eugene Val C. Mangaoang	Bayantel	Sept. 25, 2010
1 st prize – Life Sciences (Individual Category)	Ea Kristine Clarisse B. Tulin	DepEd-8	Oct. 2-3, 2010
3 rd prize – Life Sciences (Individual Category)	Rachel T. Amestoso	DepEd-8	Oct. 2-3, 2010
2 nd prize – Life Sciences (Group Category)	Febey Marie C. Fulache Heiza Daniella dela Peña Roxanne G. Juanir	DepEd-8	Oct. 2-3, 2010
3 rd prize – Life Sciences (Group Category)	Christelle Venus F. Capuno Kerstin Sherish M. Belarmino Vanessa V. Cerna	DepEd-8	Oct. 2-3, 2010
2 nd prize – Physical Sciences (Group Category)	Marianne Roxette B. Danzalan Dyan Louraine C. Bulacan Daniel Jake V. Rollo Andre Alexander G. Cagabhion	DepEd-8	Oct. 2-3, 2010
3 rd prize – Physical Sciences (Group Category)	Eliseo B. Bayquin Joseph N. Cañete Bernon F. Enage	DepEd-8	Oct. 2-3, 2010
1 st place – Philippine Statistics Quiz	Clar Don L. Evangelio	Philippine Statistics	Oct. 8, 2010
2 nd place – Regional Photography	Ronnan Reposar	BFAR-UPVIC	

NAME OF AWARD	RECIPIENT	AGENCY/COMPETITION	DATE
Champion – ROTC Speech Contest	Jade Vincent Q. Membrebe	Phil. Army Regional ROTC Speech Contest	Nov. 6, 2010
PROVINCIAL			
1 st place – Philippine Statistics Quiz	Clar Don L. Evangelio	Philippine Statistics	Oct. 8, 2010
2 nd place – Philippine Statistics Quiz	Andy Phil D. Cortes	Philippine Statistics	Oct. 8, 2010
INSTITUTIONAL/LOCAL			
Leadership Award	Jihan Santanina J. Santiago	USSO-VSU	March 4, 2010
Endeavor Award	Norman A. Felisilda	USSO-VSU	March 4, 2010
Outstanding Development Communication Research	Renelle Joy A. Tabinas	Dev. Com. Alumni Association	April 7, 2010
Student Teaching Proficiency Award	Numeriano Q. Cabeltes J-Annie B. Gonzales Jay D. Jordan Regino T. Macunay	VSU College of Education	April 7, 2010
Champion – Battle of the Brains	Atoz Vasquez Ysakhar A. Salas Ma. Leah M. Borines	VSU Graduate School	Dec 8, 2010
Special Awards:			
1 st place Regional PA-ROTC Speech Contest, Finalist of Natl Army ROTC, 1 st place Stat Quiz (Prov'l Level), 2 nd place Stat Quiz (Regional Level)	Felipe A. Abordo	USSO-VSU	March 4, 2010
1 st place Stat Quiz (Prov level)	Farah G. Talabo	USSO-VSU	March 4, 2010
3 rd place Stat Quiz (Prov level)	Leonard Paul M. Pones	USSO-VSU	March 4, 2010
Nat'l Champion – Bull Riding, Casting Down Large Animals, Carambola and Cattle Lassoing on Foot (Women); 2 nd runner-up Carambola and Cattle Lassoing on Foot (Men)	Association of Rodeo Enthusiasts (AREV)	USSO-VSU	March 4, 2010
Outstanding Thesis	Ronald Arlet P. Villaber	Phi Delta	April 7, 2010

AWARDS RECEIVED BY FACULTY, RESEARCH AND ADMINISTRATIVE STAFF

NAME OF AWARD	RECIPIENT	AGENCY	DATE
2010 Pest Management Award for Instruction	Dr. Lualhati M. Noriel	Pest Management Council of the Philippines	March 12, 2010
Best Poster Award - Philippine Phytopathological Society (PPS)	Ms. Flora Mia Y. Duatin Dr. Marilyn M. Belarmino Ms. Sheila Marie S. Marabe Ms. Elizabeth Parac Dr. Ruben M. Gapasin	Pest Management Council of the Philippines (PMCP)	March 12, 2010
Plaque of Recognition	Dr. Lucia M. Borines	PMCP	March 12, 2010
Best Poster Paper	Prof. Flora Mia Y. Duatin	Phil. Phyto-Pathological Society (PPS)	March 2010
2010 Panauhing Pangdangal/ Tagapagsalita	Dr. Lualhati M. Noriel	Pambansang Mataas na Paaralan ng Gumaca	March 31, 2010
1 st place in the 1.5 kilometer open water swim	Prof. Aleli A. Villocino	PBSP & PASA	April 24, 2010
REPUBLICA Award (for natural sciences, mathematics, engineering, and information technology – Category 1)	Dr. Edgardo E. Tulin Mrs. Zenaida T. Ecleo	CHED	May 19, 2010
REPUBLICA Award (for social science, economics, education and humanities – Category 2)	Dr. Rotacio S. Gravoso Mr. Jerome B. Labra Dr. Arturo E. Pasa	CHED	May 19, 2010
2010 Best Paper Award	Dr. Anabella B. Tulin Mr. Jessie R. Sabijon	PSSST	May 28, 2010
2 nd place – Best Paper (Senior Category)	Dr. Anabella B. Tulin Ms. Venus O. Saz	PSSST	May 28, 2010
2 nd place – Investment Teaching Accreditation	Ms. Joviel R. Teves	CMIP	May 28, 2010
DOST Outstanding Scholar	Dr. Jacqueline M. Guarte	DOST	July 21, 2010

NAME OF AWARD	RECIPIENT	AGENCY	DATE
Silver Award – AFMA's Best R&D Paper (Socio-Economics Research Category)	Dr. Antonio P. Abamo	DA-BAR	Oct. 7-8, 2010
1 st place- Best Paper Award (Medicine and Surgery Category)	Dr. Tomas J. Fernandez, Jr. Dr. Alice M. Acabal Dr. Erlinda O. Landerito	Phil. Society of Animal Science (PSAS)	Oct. 20-22, 2010
William D. Dar Research & Development Award	Dr. Anabella B. Tulin	PCARRD	Nov. 9, 2010
Pantas Award – Outstanding Administrator (Research Administrator Category)	Dr. Jose L. Bacusmo	PCARRD	Nov. 9, 2010
Pantas Award – Outstanding Scientist (Researcher/ Scientist Category)	Dr. Roberto C. Guarte	PCARRD	Nov. 9, 2010
Best Paper Award	Mr. Jayson G. Bitacura	DOST-PCMARD	Nov. 22-24, 2010
2 nd place – Outstanding Dissertation in Statistics	Prof. Jacqueline M. Guarte	PCIEERD-DOST	Dec. 10, 2010
REGIONAL/PROVINCIAL LEVEL			
REPUBLICA – Research Publication Award – Regional Winner (Natural Sciences, Mathematics, Engineering & Information Technology Category)	Dr. Edgardo E. Tulin	CHED	May 19, 2010
REPUBLICA – Research Publication Award – Regional Winner (Social Sciences, Economics, Education and Humanities Category)	Dr. Rotacio S. Gravoso	CHED	May 19, 2010
Rajah Kolambo Award (Outstanding Southern Leyteño in the Field of Science and Technology)	Dr. Roberto C. Guarte	Province of So. Leyte	July 1, 2010
Outstanding Research (Basic Research)	Dr. Antonio P. Abamo Mr. Arnulfo M. Mascariñas Mr. Erico G. Alan Ms. Beth S. Villarin Ms. Josefa R. Galve	RRDEN-VICARP-VSU	Aug. 18-19, 2010
2 nd place – Best Paper (Basic Research)	Dr. Editha G. Cagasan Ms. Avril A. B. de Guzman	RRDEN-VICARP-VSU	Aug. 18-19, 2010

NAME OF AWARD	RECIPIENT	AGENCY	DATE
2 nd place – Best Paper (Applied Research)	Prof. Tessie C. Nuñez Mr. Edwin T. Ocoy Dr. Antonio P. Abamo	RRDEN-VICARP-VSU	Aug. 18-19, 2010
2 nd place – Best Paper (Development Project Category)	Dr. Rotacio S. Gravoso Prof. Nestor O. Gregorio Ms. Maria Anabelle D. Gerona Mr. Moises Neil V. Serioño Mr. Steve Harrison Mr. Herville V. Pajaron Mr. Jason V. Godoy	RRDEN-VICARP-VSU	Aug. 18-19, 2010
4 th place – Best Poster (Inventory of Mother Trees in Leyte)	Dr. Nestor O. Gregorio Dr. Arturo E. Pasa Dr. Rotacio S. Gravoso Mr. Urbano B. Doydora	RRDEN-VICARP-VSU	Aug. 18-19, 2010
4 th place – Best Poster	Dr. Othello B. Capuno Dr. Zenaida C. Gonzaga Dr. Pedro T. Armenia Prof. Reny G. Gerona Prof. Manolo B. Loreto Prof. Lilian B. Nuñez Dr. Anabella B. Tulin Mr. J. S. Mangmang	RRDEN-VICARP-VSU	Aug. 18-19, 2010
1 st place – Best Paper (Animal Production Category)	Mr. Manuel D. Gacutan, Jr. Dr. Sulpecio C. Bantugan	PSAS-Visayas	Aug. 25-27, 2010
1 st place – Best Paper (Animal Health Category)	Dr. Tomas J. Fernandez, Jr. Dr. Alice M. Acabal Dr. Erlinda O. Landerito	PSAS-Visayas	Aug. 25-27, 2010
3 rd place- Best Paper (Animal Health Category)	Dr. Melvin A. Bagot Dr. Tomas J. Fernandez, Jr.	PSAS-Visayas	Aug. 25-27, 2010
INSTITUTIONAL LEVEL			
Keeper of Service Award	Dr. Rolando H. Arpilleda Dr. Beatriz S. Belonias Prof. Fe C. Evangelio Prof. Julius V. Abela Mr. Ulysses A. Cagasan Engr. Mario Lilio P. Valenzona	USSO	March 4, 2010
1 st place - Best Paper (Completed Research Category)	Dr. Antonio P. Abamo	RRDEN-VICARP-VSU	June 7-8, 2010
2 nd place - Best Paper (Completed Research Category)	Dr. Samuel S. Go Prof. Tessie C. Nuñez	RRDEN-VICARP-VSU	June 7-8, 2010
3 rd place - Best Paper (Completed Research Category)	Engr. Alan B. Loreto Mr. Enrique P. Abogadie Mr. Dale Loreto	RRDEN-VICARP-VSU	June 7-8, 2010
Best Paper (On-going Research Category)	Dr. Lucia M. Borines	RRDEN-VICARP-VSU	June 7-8, 2010
Exemplary Researcher Award	Dr. Anabella B. Tulin	VSU	Aug. 11, 2010

NAME OF AWARD	RECIPIENT	AGENCY	DATE
CS Loyalty Award	Dr. Emma S. Data Mr. Antonio P. Bandalan Mr. Mansueto E. Estrosas Ms. Teresita P. Ymas Ms. Corazon U. Nuevo Ms. Anita G. Godoy Mr. Jaime B. Berondo Mr. Artemio P. Amistoso Prof. Mario E. Baliad Mr. Virgilio R. Bulawan Mr. Carlito N. Silao Mr. Danilo P. Balotite Ms. Nilda D. Gacutan Ms. Maria Fe A. Baslan Mr. Victorino M. Lamo Mr. Audie M. Israel Ms. Felicisima P. Israel Mr. Romeo B. Belarmino Ms. Adelina B. Bulawan Ms. Cynthia Dolores V. Godoy Mr. Genaro B. Posas Ms. Anita D. Troyo Mr. Eusebio D. Olleras Mr. Legario B. Ramos Mr. Norjito B. Quimco Mr. Rudy V. Belmonte Mr. Gregorio C. Cano Ms. Luzviminda A. Ternura Dr. Julieta R. Roa Prof. Villaluz Z. Acedo Prof. Rufina F. Capuno Prof. Aleli A. Villocino Ms. Wenifreda T. Oclinaria Mr. Eutiquio B. Bornias Mr. Alfredo D. Florendo Ms. Gilda P. Nayre Ms. Elizabeth C. Peque Mr. Marlon D. Bengalan Ms. Honey Sofia V. Colis	VSU	Sept. 2010
CS Loyalty Award	Delsa G. Mapait Alberta M. Samson Nancy A. Montilla Gloria R. Pelayo Merlita D. Veloso Rosita C. Royo Jessica A. Duallo Jose J. Ebales	VSU-Villaba	Sept. 2010
Loyalty Award	Mellian S. Dizon Marichu M. Padayao Lilibeth G. Miralles Letecia G. Pedrera Leonora M. Barraza Eppie N. Katangkatang Ethel B. Paune Judith B. Jomadio Gregoria S. Lagaday	VSU-AC	Sept. 2010
Loyalty Award	Dr. Justiniano L. Seroy Dr. Perla M. Tan Dr. Candelario L. Calibo Dr. Annie P. Gravoso Mr. Ulysses A. Cagasan	VSU Baybay	Oct. 2010

PUBLICATIONS AUTHORED/CO-AUTHORED BY FACULTY MEMBERS AND RESEARCHERS

AUTHOR	TITLE	WHERE PUBLISHED
Aragon, M.R.J. and V.B. Asio. 2010	Nitrogen Mineralization and Phosphorus Solubilization Due to Rewetting of Forest and Paddy Soils	Annals of Tropical Research Vol. 32
Asio, V.A. Nov. 2010	Favorite Soil Science Books	Bulletin of the International Union of Soil Sciences (IUSS Bulletin 117)
Dorahy C., A. Mercado, Jr., C.M. Quinones, R. Bigamon, J. Salvani, C. Lapoot, V. Justo, J. Oakeshott, J. Atienza A.B. Tulin. 2010	A Framework for Prioritizing Nutrient Management Research for Vegetable Production in the Southern Philippines	In Gilkes, RG, Prakongkep N, editors. Proceedings of the 19 th World Congress of Soil Science; Soil Solutions for a Changing World; ISBN 978-0-646-53783-2; Published on DVD; http://www.iuss.org ; Symposium 3.3.1; Integrated nutrient management; 2010 Aug 1-6. Brisbane, Australia: IUSS; 2010, pp. 5-8
Gabitano, B.M. and A.B. Tulin. 2010	Nitrogen Dynamics of Soil Planted to Sweet Pepper (<i>Capsicum annum</i> L.) Under Protective Structure	Proceedings of the 13 th PSSST Annual Meeting and Scientific Conference held at Legend Hotel, Puerto Princesa City on May 27-28, 2010. pp. 67-68. ISSN 2094-5361
Gravoso, R.S., N. O. Gregorio, M. A. D. Gerona, & J. V. Godoy. 2010	Design and Implementation of a Communication Campaign on best Management Practices for Forest Nurseries	Annals of Tropical Research, 32 (2), 89-99
Gregorio, N. O., S. Harrison, and J Herbohn, 2010	The Tree Nursery Survey on Leyte Island, the Philippines	Annals of Tropical Research. Vol. 32 (2)
Harrison, S. and N. O. Gregorio, 2010	Observations of Forestry Seedling Production Systems in Thailand and Vietnam	Annals of Tropical Research. Vol. 32 No. 2
Harrison, S, N. O. Gregorio, and W. Wilson. 2010	Financial Modeling of Smallholder Seedling Production	Annals of Tropical Research. Vol. 32 No. 2

AUTHOR	TITLE	WHERE PUBLISHED
Lapoot C.R., J.B. Salvani, L.V. Duna, R. Bigamon, A.B. Tulin. 2010	Enhancing Farmers' Knowledge on Soil and Crop Nutrient Management for Vegetable Production in Bukidnon, Mindanao, Philippines	In Gilkes, RG, Prakongkep N, editors. Proceedings of the 19 th World Congress of Soil Science; Soil Solutions for a Changing World; ISBN 978-0-646-53783-2; Published on DVD; http://www.iuss.org ; Symposium 3.3.1; Integrated nutrient management; 2010 Aug. 1-6. Brisbane, Australia: IUSS; 2010, pp. 158-161
Lina, S.B., M. Okazaki, S.D. Kimura, M.A. Quevedo, A.B. Loreto, and A.M. Mariscal. 2010	Nitrogen Uptake and Growth Response of Sago Palm (<i>Metroxylon sagu</i> Rttb.) to the Forms and Timing of Urea Fertilizer Application	SAGO Palm Journal
Mangaoang, E.O. 2010	Review of Current Nursery Accreditation and Seedling Certification System for Fruit Trees in Leyte and Samar Islands, the Philippines	Annals of Tropical Research. Vol. 32, No. 2
Mercado, A., P. Dargusch and N.O. Gregorio. 2010	Insights from the Farm Forestry Tree Seedling Nursery Sector in Western Java, Indonesia	Annals of Tropical Research. Vol. 32, No. 2
Mercado, A. Jr., R. Monera, R. Bigamon, A.B. Tulin and C. Dorahy. 2010	Soil and Crop Nutrient Management for Tomato in Acid Soil of Claveria, Philippines	Proceedings of the 13 th PSSST Annual Meeting and Scientific Conference held at Legend Hotel, Puerto Princesa City on May 27-28, 2010. pp. 122-123. ISSN 2094-5361
Mercado A. Jr, A.B. Tulin and C. Dorahy. 2010	Soil Management and crop Nutrition for Tomato in Acid Soil of Claveria, Philippines	In Gilkes, RG, Prakongkep N, editors. Proceedings of the 19 th World Congress of Soil Science; Soil Solutions for a Changing World; ISBN 978-0-646-53783-2; Published on DVD; http://www.iuss.org ; Symposium 3.3.1; Integrated nutrient management; 2010 Aug. 1-6. Brisbane, Australia: IUSS; 2010, pp. 271-273
Monido, L.P. and E.B. Lañada, 2010	Knowledge, Attitudes, and Practices of Smallholder Poultry Raisers on Highly Pathogenic Avian Influenza (HPAI) in high risk areas of Leyte	In: Proceedings of 1 st Veterinary Epidemiology Network Scientific Conference. Richmond Hotel, Ortigas Center, Pasig City, Philippines., May 17, 2010
Patindol, R.A., C.D. Predo and R. de Guzman. 2010	Risk-efficient Planting Schedules for Corn in Matalom, Leyte, Philippines	Philippine Journal of Development

AUTHOR	TITLE	WHERE PUBLISHED
Pasa, A.E. 2010	Rewarding the Providers of Environmental Services: Voices from the Less-Heard Rural Environmental Leaders of Mid-Western Leyte (Poster)	In Proceedings: International Conference on Developing Tomorrow's Leaders in Agriculture and Rural Development: Responding the Challenges of Globalization. SEARCA Regional Center, Los Banos, Laguna, Philippines. ISSN2094-3148
Sabijon, J.R. and A. B. Tulin. 2010	Effects of Organic Amendments on Soil Characteristics and Growth and Yield of Tomato (<i>Lycopersicon esculentum</i> Mill)	Proceedings of the 13 th PSSST Annual Meeting and Scientific Conference held at Legend Hotel, Puerto Princesa City on May 27-28, 2010. pp. 69-70. ISSN 2094-5361
Susaya, J.P., K.H. Kim, V.B. Asio, and Z.S. Chen. 2010	Quantifying Nickel in Soils and Plants in an Ultramafic Area in Philippines	Environmental Monitoring and Assessment, Vol. 167, pp. 505-514
Tulin, A.B., C.M. Quinones, R. Rallos, A. Mercado, Jr, J. Salvani, C. Lapoot, V. Justo, C. Dorahy. 2010	Evidence-Based Nutrient Management Strategy in Identifying Fertility Status and Soil Constraints for Vegetable Production in Southern Philippines	In Gilkes, RG, Prakongkep N, editors. Proceedings of the 19 th World Congress of Soil Science; Soil Solutions for a Changing World; ISBN 978-0-646-53783-2; Published on DVD; http://www.iuss.org ; Symposium 3.3.1; Integrated nutrient management; 2010 Aug. 1-6. Brisbane, Australia: IUSS; 2010, pp. 168-171
Tulin, A.B., R.V. Rallos, C. Dorahy. 2010	Integrated Nutrient Management for Increased Cabbage Production in Volcanic Soil in Cabintan, Leyte, Philippines	In Gilkes, RG, Prakongkep N, editors. Proceedings of the 19 th World Congress of Soil Science; Soil Solutions for a Changing World; ISBN 978-0-646-53783-2; Published on DVD; http://www.iuss.org ; Symposium 3.3.1; Integrated nutrient management; 2010 Aug. 1-6. Brisbane, Australia: IUSS; 2010, pp. 190-193
Tulin, A.B., R.V. Rallos, M. Ranises and C. Dorahy. 2010	Farmer-Scientist Participatory Assessment of Integrated Nutrient Management for Increased Cabbage Production in Cabintan, Ormoc City, Philippines	Proceedings of the 13 th PSSST Annual Meeting and Scientific Conference held at Legend Hotel, Puerto Princesa City on May 27-28, 2010. pp. 55-56. ISSN 2094-5361
Tulin, A.B. and V.O. Saz. 2010	Micronutrient Biofortification of Acid and Neutral Soils for Enhanced Crop Productivity and Improved Purple Coloration of Sweetpotato	Proceedings of the 13 th PSSST Annual Meeting and Scientific Conference held at Legend Hotel, Puerto Princesa City on May 27-28, 2010. pp. 57-58. ISSN 2094-5361

Officers of the VSU System

HEADS OF VSU CAMPUSES

MAIN CAMPUS

DR. JOSE L. BACUSMO

*President, Visayas State University
Visca, Baybay City, Leyte*

EXTERNAL CAMPUSES

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*Dean, College of Environmental & Agricultural Technology
VSU Alangalang
Alangalang, Leyte*

DR. EDWIN A. BALBARINO

*Dean, College of Industrial Technology
VSU Isabel
Isabel, Leyte*

DR. POLICARPO PAUL N. DUAVIS

*Dean, College of Fisheries
VSU Tolosa
Tolosa, Leyte*

PROF. FELIPE S. CASAS

*Dean, College of Education and Agricultural Technology
VSU Villaba
Villaba, Leyte*

UNIVERSITY ADMINISTRATIVE COUNCIL

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Dr. Lourdes B. Cano	- <i>Director, Administration & Human Resource Development</i>
Ms. Erlinda S. Esguerra	- <i>Head, Accounting Division</i>
Engr. Nestor M. Israel	- <i>Director, General Services</i>
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Dr. Antonio P. Abamo	- <i>Dean, College of Management & Economics</i>
Dr. Ma. Juliet C. Ceniza	- <i>Dean, College of Forestry & Natural Resources</i>
Ms. Erleta S. Piñero	- <i>Dean, College of Nursing</i>
Dr. Eugene B. Lañada	- <i>Dean, College of Veterinary Medicine</i>
Dr. Marichu M. Padayao	- <i>Dean, College of Environmental & Agricultural Technology</i>
Dr. Edwin A. Balbarino	- <i>Dean, College of Industrial Technology</i>
Dr. Policarpo Paul N. Duavis	- <i>Dean, College of Fisheries</i>
Prof. Felipe S. Casas	- <i>Dean, College of Education & Agricultural Technology</i>
Dr. Julieta R. Roa	- <i>Director, Philippine Root Crop Research & Training Center</i>
Dr. Ruben M. Gapasin	- <i>Director, National Abaca Research Center</i>
Dr. Eutiquio E. Sudaria	- <i>Director, National Coconut Research Center-Visayas</i>
Dr. Pastor P. Garcia	- <i>Director, Eco-Farm and Resource Management Institute</i>
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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.

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VISION

VSU as center of excellence in education
and research in agriculture and allied
fields in the Visayas.

MISSION

Attainment of the highest quality of
human capital and scientific knowledge
for the sustained growth and
development of agriculture, fisheries,
forestry and agro-industries.