

# 2000 ANNUAL REPORT



**BENGUET STATE UNIVERSITY**  
2601 La Trinidad, Benguet  
**PHILIPPINES**  
[www.bsu.edu.ph](http://www.bsu.edu.ph)



## FOREWORD

The University is situated in the marshy valley floor of La Trinidad, Benguet, some five kilometers north of Baguio City. It is enjoying a semi-tropical climate that offers conducive learning environment. It offers degree and non-degree courses in agriculture, forestry, education, arts, sciences, information technology and other related fields. There are 542 personnel, 48% of whom are holding academic ranks. It can be accessed in the Internet at URL [www.bsu.edu.ph](http://www.bsu.edu.ph).

In 2000, it was chosen as one of the Centers of Excellence (COE) for Agriculture Education under the Agriculture Subsystem by the Commission on Higher Education. In response to the challenges of being a COE, the University has ushered in the new millennium with various significant achievements in its academic, research, extension and production programs.

This report summarizes the humble accomplishments of the University that were made possible through good human relations and teamwork and unending support from the national government.

  
CIPRIANO C. CONSOLACION  
President

**University Mandate**

The Benguet State University shall provide graduate and undergraduate courses in the arts, sciences, humanities, professional fields in agriculture, natural sciences, technology and other technical and professional courses that may be determined and deemed proper by the Board of Regents. It shall also promote research, extension, agribusiness and advanced studies and progressive leadership in its fields of specialization.

**Vision**

The Benguet State University is a dynamic center of excellence and a model educational institution in a sustainable environment where moral values, culture and arts thrive.

**Mission**

The Benguet State University is committed to propel development through its fourfold functions: Instruction, Research, Extension and Production. To realize this, the University shall have its major programs accredited, strengthen its institutional capability, empower its faculty, staff and students and broaden its linkages and networks.

**Goals**

- Quality and relevant curriculum
- Globally competitive graduates
- Enriched learning environment
- Empowered faculty with improved competence in facilitating and evaluating learning
- Quality research and functional extension and community service
- Efficient resource utilization and high productivity

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## Executive Summary

The programs of the Benguet State University are rooted on its avowed vision, mission, and goals. The aim of the University for excellence is expressed in this year's array of major accomplishments in instruction, research, extension and production.

**Instruction** Ph.D in Agronomy and Certificate in Public Administration are the new approved programs that were offered effective 1<sup>st</sup> Semester, SY 1999-2000. The enrolment of 7,230 the first semester of SY 1999 – 2000 increased to 7653, this school year. Among the undergraduate degree programs, the BS Agriculture consistently showed the most number of student-enrollees.

A total of 1213 graduates marched during the 75<sup>th</sup> Collegiate Commencement Exercises. The BS agriculture had a total of 148 graduates, the highest number of graduates in the bachelor's degree. Among the graduates, one was *magna cum laude* and 16 were *cum laude*. Sen. Sergio R. Osmena, III and Raul S. Roco were conferred honorary degree of *Doctor of Laws*. The overall performance of graduates in Licensure Examinations was commendable. For, Brigido Quitano (BS Forestry 2000) placed 8<sup>th</sup> in the Forestry Licensure Examination.

The University is now on line and can be accessed at URL [www.bsu.edu.ph](http://www.bsu.edu.ph). It is preparing for the full automation of the library and student enrollment systems. The University had 51 recognized student organizations and increased the number of institutional scholarships to students. Most of the 258 faculty members are MS/MA degree holders.

**Research** Out of the 45 researches implemented, eight were completed and 26 were on-going. The University funded 19 of these, other government agencies nine, international development agencies three, and private entities, 14. The researches centered on crop improvement, management practices, protection, postharvest practices, marketing and policy studies, farming systems, among others.

A new lowland potato variety, "Raniag", is being recommended for highland cultivation. New potato product lines such as cupcake, puto, and cracklets were developed. Suitable sweetpotato varieties for chip processing were identified, and bread (bun) made of 40% sweetpotato mash was accepted by consumers. Several varieties of pole and bush beans, garden peas, tomatoes and strawberries were tested for high yield and good quality produce.

*Flavobacterium* sp. as a biocontrol agent is comparable to the efficacy of standard fungicides against chrysanthemum white rust. Three other species of leafminers that are associated with the host plants are identified as follows: *L. trifolii* (Burgess), *L. sativae* (Blancard) and *L. chinensis* (Kato).

**Extension** Extension and community services were carried out as planned and in cooperation with other development government and non-government organizations interested in the same area of concern. The continuing regular extension programs are BSU on-the-air, BSU sa barangay, participatory technology adoption program (PTAP), technology packaging and publications, and training courses/ technical assistance. The College of Nursing came up with Reproductive Health Program, College of Home Economics and Technology, nutri-clinic and BIDANI, Institute of Physical Education and Sports, Dance Instruction and Physical Fitness; College of Veterinary Medicine, Pig Dispersal and College of Forestry, Seed Dispersal.

**Production** The University generated PhP 19M from the income-generating projects (IGP), student fees and land use and facilities rentals. Generating the highest income was the Food Processing Project one of the IGPs, served as on-the-job practicing site for the students of the University and University-linked institutions. Some units or colleges generated income by establishing a special school or pre-school or conducting licensure examination review.

**Internal governance** Dr. Ester A. Garcia, the CHED Commissioner, took over as Chairman of the Board of Regents of the University effective November 2000. The Office of the Director for Planning and Development was upgraded and remained the Office of the Vice-President for Planning and Development. The Action Plan for 2001 and Updated University Development Plan for 2001-2004 were formulated and adopted by the University.

Of the 542 regular employees, 258 are faculty members; 26, research personnel; and 258, support personnel. Eighteen faculty members obtained advanced degrees in their field of specialization and 17 teachers or non-teachers participated in foreign conferences, seminars and trainings. The employees availed of monetary and non-monetary benefits, in accordance with existing rules and regulations.

For capability building and improvement, resources were sourced out and developed through networking and mutual understanding. New institutional linkages were forged and ties were further reinforced to sustain existing linkages. Some of these linkages are with SEAMEO SEARCA, ACIAR, UPLB, PIUC, PhilRice, CIP, UPWARD, DA, DOST, DILG and other similar agencies that support research and extension projects and capability building.

**Awards** The College of Agriculture (CA) was chosen as one of the Centers of Excellence (COEs) in Agriculture Education in the country by the Commission on Higher Education (CHED). The University President, Dr. Cipriano C. Consolacion, received the 2000 Dangal Ng Bayan Award from the Civil Service Commission. Other awards received by faculty members, support staff and students include awards in scientific conferences and local and national competitions, achievement award in specific field of specialization, and civil service awards.



## INSTRUCTION

### Academic Programs

The University sustained the offering of the different degree and non-degree programs. Some of the developments made in the academic programs within the year in response to the challenging needs of the new millennium, are as follows:

- ❖ The College of Agriculture through the Graduate School offered PhD Agronomy (BOR Res. No. 970, s. 2000).
- ❖ The Doctor of Veterinary Medicine (BOR Res. No. 951, s. 2000) was revised in accordance with the minimum requirements set by the Technical Panel for Agricultural Education (TPAE), Commission on Higher Education (CHED) and Accrediting Agency of Chartered Colleges and Universities of the Philippines (AACUP).
- ❖ The Institute of Public Administration implemented the offering of the Certificate of Public Administration (BOR Res. No. 474, s. 1992).
- ❖ The College of Teacher Education offered different areas of concentration in Bachelor of Elementary Education (BOR Res. No. 953, s. 2000) and included additional subjects in Bachelor of Secondary Education and Bachelor of Elementary Education (BOR Res. No. 954, s. 2000); and
- ❖ The College of Home Economics and Technology revised the Certificate in Home Management Arts to a 2-year Associate in Entrepreneurial Technology.

### Enrollment and Graduation Trends

- ❖ A total of 7,653 students in all levels enrolled in the University during the first semester, school year 2000-2001.
- ❖ Among the undergraduate degree programs, the BS Agriculture consistently showed the most number of student-enrollees.
- ❖ The BS Development Communication and BS Information Technology are on their second year of offering.
- ❖ Enrollment increased in 2000-2001 except in the case of the Open University.
- ❖ The University graduated 1,240 students, 52 of whom were from the graduate programs, 720, undergraduate programs, 142, non-degree programs, 54, non-formal education and basic education 326.
- ❖ The BS Agriculture had a total of 143 graduates, the highest number of enrolled students.
- ❖ Among the graduates, one was *magna cum laude* and 16 were *cum laude*, and
- ❖ The University conferred honorary degree of *Doctor of Laws* to Senator Sergio R. Osmeña, III and Senator Raul S. Roco during the 75<sup>th</sup> Commencement Exercises in recognition of their contribution to national development and public service.



University Charter Day, 12  
January 2000



Panagbenga February 2000

Enrolment in the different academic programs  
school year 1999-2000

Program /Course	Summer	1 <sup>st</sup> Sem	2 <sup>nd</sup> Sem
<b>Graduate Programs</b>			
PhD: EdD	64	123	123
MSc/MA/MFA	304	654	651
<i>Sub-total</i>	<i>428</i>	<i>693</i>	<i>677</i>
<b>Undergraduate Degree Program</b>			
BS Agriculture	233	1188	1063
BS Agribusiness	41	188	168
BS Agricultural Education	78	256	228
BS Agricultural Engineering	54	246	200
BS Animal Technology	16	13	15
BS Applied Statistics	21	74	69
BS Development Communication	2	74	62
BS Environmental Science	101	323	290
BS Forestry	44	399	362
BS Information Technology	1	60	78
BS Home Economics	70	416	413
BS Nursing	3	262	208
BS Nutrition and Dietetics	33	174	162
B Elementary Education	104	731	744
B Secondary Education	180	700	751
Doctor of Veterinary Medicine	44	130	316
<i>Sub-total</i>	<i>1001</i>	<i>5438</i>	<i>5088</i>
<b>Open University</b>			
Master's Degree	0	119	130
Diploma Course	0	10	25
<i>Sub-total</i>	<i>0</i>	<i>129</i>	<i>155</i>
<b>Non-Degree Program</b>			
Diploma in Physical Education	3	20	19
Diploma in Agroforestry	30	88	74
Forest Ranger Certificate	26	0	73
Assoc. in Entrepreneurial Tech	0	108	93
Auto Mechanics	0	32	34
Cross-Enrollees	1	12	25
<i>Sub-total</i>	<i>62</i>	<i>258</i>	<i>318</i>
<b>Basic Education</b>			
Elementary Education	0	117	717
Secondary Education	0	557	549
<i>Sub-total</i>	<i>0</i>	<i>1274</i>	<i>1266</i>
<b>Total</b>	<b>1571</b>	<b>7853</b>	<b>7504</b>



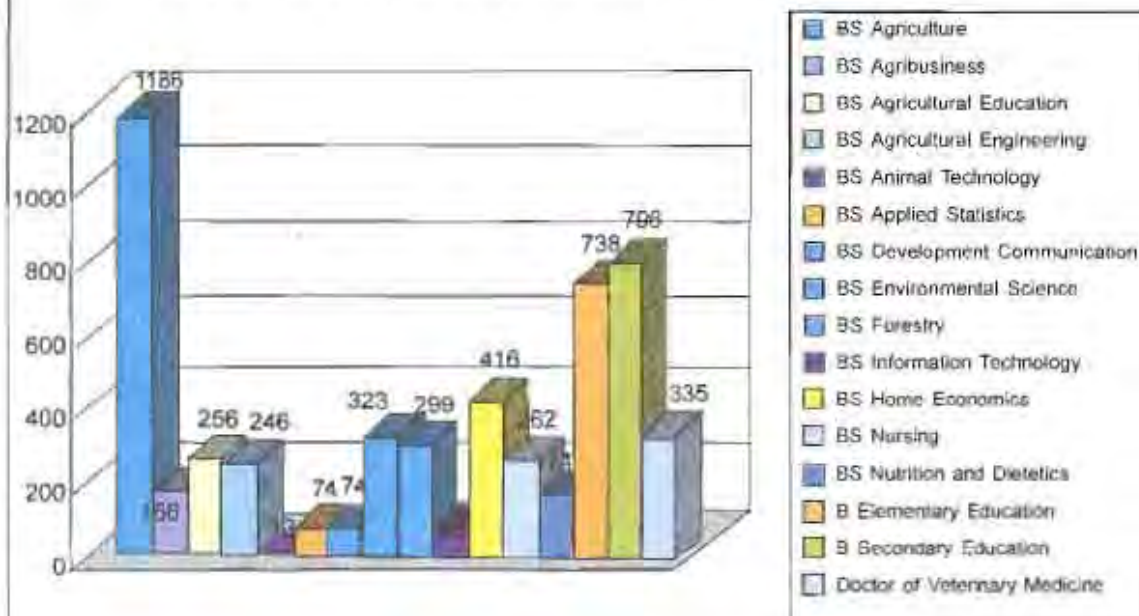
*Orientation of freshmen*



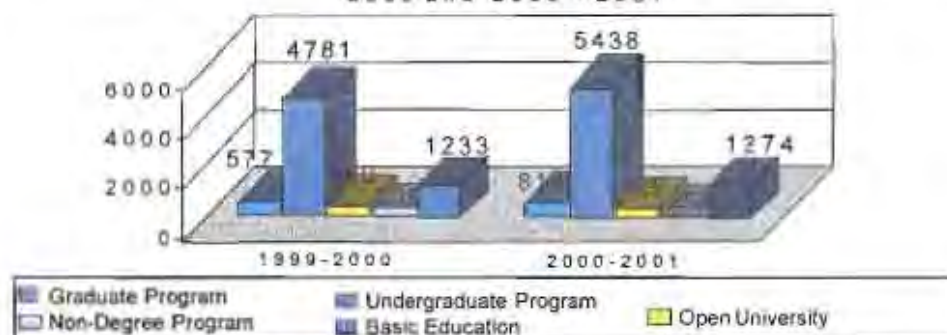
*Street dancing during the University Charter Day*



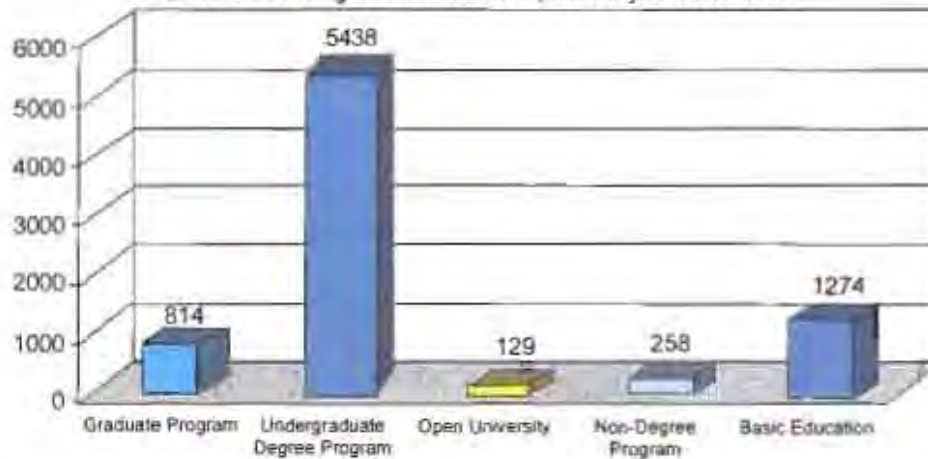
Enrollment in the BS programs during the first semester, school year 2000 - 2001



Enrollment trend during the first semester school year 1999 - 2000 and 2000 - 2001

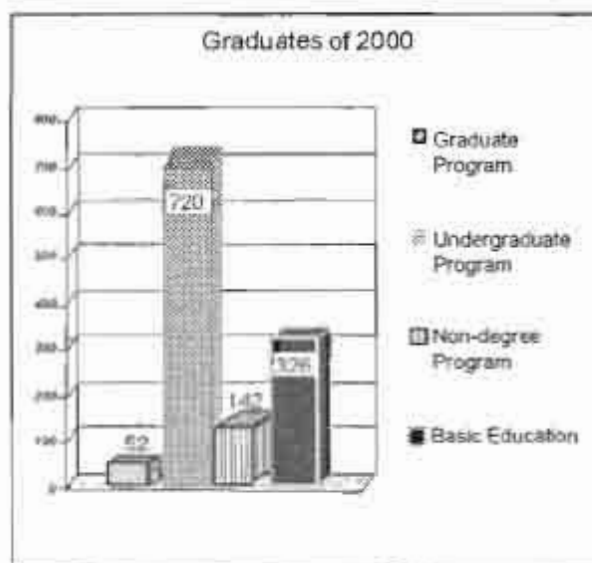


Enrollment during the first semester, school year 2000-2001



Graduates of the different programs

Program/ Course	Total Graduate
<b>Graduate Program</b>	
PhD/EdD	16
MS/MA/MPA	36
<i>Sub-total</i>	52
<b>Undergraduate Degree Program</b>	
BS Agriculture	143
BS Agribusiness	25
BS Agricultural Education	47
BS Agricultural Engineering	38
BS Animal Technology	27
BS Applied Statistics	0
BS Development Communication	0
BS Environmental Science	56
BS Forestry	49
BS Information Technology	0
BS Home Economics	55
BS Nursing	20
BS Nutrition and Dietetics	37
B Elementary Education	100
B Secondary Education	106
Doctor of Veterinary Medicine	12
<i>Sub-total</i>	720
<b>Non-Degree Program</b>	
Diploma in Physical Education	3
Diploma in Agroforestry	11
Forest Ranger Certificate	22
Home Management Arts	37
Advanced Auto Mechanics (non-formal)	7
Advanced Auto Technology (post graduate)	5
Basic Automotive Technology (post graduate)	57
<i>Sub-total</i>	142
<b>Non-Formal Education</b>	
Functional Intensive English Training Course for Japanese	24
Functional Intensive English Training Course for Koreans	30
<i>Sub-total</i>	54
<b>Basic Education</b>	
Elementary Education	128
Secondary Education	117
<i>Sub-total</i>	325
<b>Total</b>	<b>1240</b>



Students of the College of Teacher Education (CTE)



The graduates of 2000

Honor graduates

Name	Degree	Honor
Basilig, Rosalie J.	BS Agriculture	<i>Cum laude</i>
Pedroche, Nordalyn B.	BS Agriculture	<i>Cum laude</i>
Candiao, Cranep D.	BS Environmental Science	<i>Cum laude</i>
Debad, Lureyn C.	BS Environmental Science	<i>Cum laude</i>
Balacwid, Cesar L.	BS Agricultural Education	<i>Cum laude</i>
Agudo, Sandy O.	B Elementary Education	<i>Magna cum laude</i>
Busacay, Sola Grace B.	BS Elementary Education	<i>Cum laude</i>
Pitas, Evelyn P.	BS Elementary Education	<i>Cum laude</i>
Tibangay, Olivia B.	BS Elementary Education	<i>Cum laude</i>
Abellera, Rhoda L.	B Secondary Education	<i>Cum laude</i>
Corpuz, Beatriz R.	B Secondary Education	<i>Cum laude</i>
Egangan, Elena B.	B Secondary Education	<i>Cum laude</i>
Glaser, Rickynell M.	B Secondary Education	<i>Cum laude</i>
Mejia, Alma E.	B Secondary Education	<i>Cum laude</i>
Montemayor, Janet Lynn S.	B Secondary Education	<i>Cum laude</i>
Pelingan, Joiseta T.	B Secondary Education	<i>Cum laude</i>
Sagun, Lanie B.	B Secondary Education	<i>Cum laude</i>



*Senator Raul S. Roco and Sergio R. Osmeña, III were conferred Doctor of Laws honoris causa*





*Library staff undergoes training for the Library automation*



*Newly acquired books and CD-ROMS*

Library attendance statistics in 1998 to 2000

TYPE OF USERS	1998	1999	2000
Students	3,788	103,000	110,000
Faculty and staff	951	27,000	25,000
Outside researchers	372	38,000	45,000
Total	5,111	168,000	180,000

### Student Activities and Scholarship

- ❖ There are 61 recognized student organizations that are coordinated by the Office of the Student Affairs (OSA);
- ❖ The students were given opportunities to join regional and national seminars and conferences by providing funding support; and
- ❖ The institutional scholarships offered by the University increased from 598 to 751.

#### Recognized student organizations

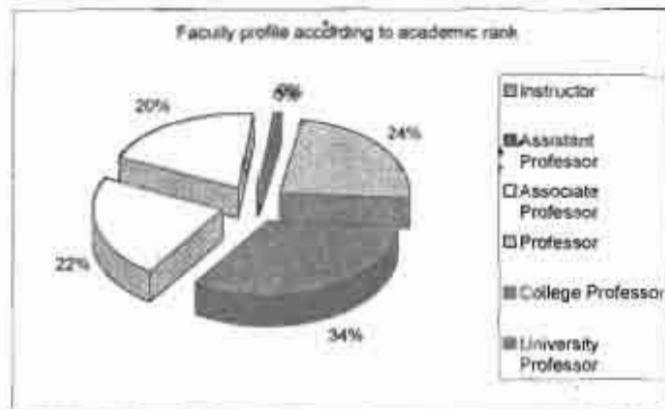
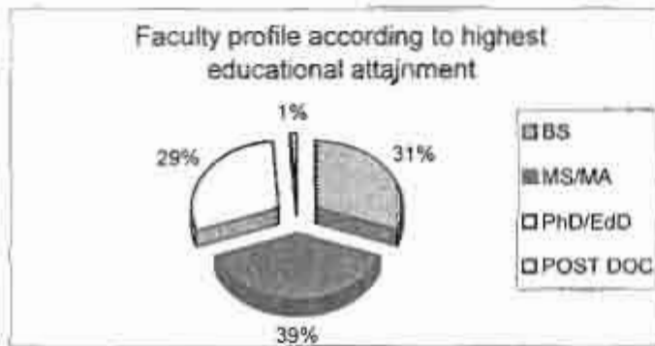
Organization	No.
Mandated	4
Non-affiliated	11
Religious	13
Athletic	3
Academic related	40

#### Scholarships/grants awarded to undergraduate and graduate students

SCHOLARSHIP/GRANT	1999-2000	2000-2001
Government Organizations	445	289
Private Organizations	50	52
Institutional (BSU)	598	751
International (USAID)	4	2
Total	1097	1094

## Faculty Profile

- ❖ Ensuring quality education are 258 faculty members in the eight college and two academic institutes;
- ❖ 1% obtained post doctoral trainings; 31% are PhD degree holders; 39%, MS/MA, and 29%, BS degree; and
- ❖ According to faculty rank 1% is University and College Professor, 22%, Associate Professor; 34%, Assistant Professors; and 24%, Instructors.



*Faculty members during the 75<sup>th</sup> Commencement Exercises*

### AACUP Accreditation Status

- ❖ In the pursuit of quality education, the University pursues accreditation of its degree programs in accordance with the standards of AACUP and TPAE, and
- ❖ The colleges, graduate school and academic institutes prepared the documents for the next visit of the AACUP.

AACUP accreditation status of the degree programs and graduate education

Program	Degree Program	Status	Duration/Remarks
Agricultural Engineering	BS Agricultural Engineering	Accredited	07 January 1999 to 05 January 2002
Agriculture	BS Agriculture BS Agribusiness Management	Re-accredited	14 March 1999 to 13 March 2004
Arts and Sciences	BS Applied Statistics	Re-accredited	December 1997 to December 2002
Forestry	BS Forestry	Deferred	December 2000 to July 2001
Graduate Education	MS and PhD (Agriculture)	Accredited	December 1997 to December 2000/ on one year grace period until December 2001
Home Economics and Technology	BS Home Economics BS Nutrition and Dietetics	Accredited	14 March 1998 to 13 March 2001
Nursing	BS Nursing	Re-accredited	18 November 1999 to 17 November 2004
Teacher Education	BS Agricultural Education B Elementary Education B Secondary Education	Re-accredited	18 November 1999 to 17 November 2004
Veterinary Medicine	Doctor of Veterinary Medicine BS Animal Technology	Re-accredited	14 March 1999 to 13 March 2004

## RESEARCH AND DEVELOPMENT

### Completed and On-going Researches

- ❖ The significant findings of R and D activities are the accomplishments of the various Research Institutes/ Centers and Colleges in the University. These are:
  - the Horticulture and Training Institutes (HORTI)
  - Institute of Highland Policy Studies and Socio-Economics Research and Development (IHPSSERD)
  - Institute of Highland Farming Systems and Agroforestry (IHFA)
  - Northern Philippines Root Crops Research and Training Center (NPRCRTC)
  - College of Agriculture (CA)
  - College of Veterinary Medicine (CVM)
  - College of Engineering and Applied Technology (CEAT)
  - College of Home Economics and Technology (CHET)
  
- ❖ In 2000, a total of 45 researches were conducted, of which 19 were funded by the University, nine by other government agencies, three by international development agencies, and the other 14 by private entities; and,
- ❖ Areas of concern centered on crop improvement, management practices, crop protection, postharvest practices, marketing and policy studies and farming systems.

### Completed researches in 2000

Implementing Unit	Title of Research
CVM	❖ Defining Problems and Opportunities for Smallholder Pig Production in the Philippines
IHFA	❖ Establishment of Micro-hydro Power Projects in Selected Un-energized Areas in the Cordillera ❖ Inventory and Cataloguing of Fisheries Resources of Amburayan River, Upper Reach, and Bued River
IHPSSERD	❖ Market Research and Development for Clean Vegetables
NPRCRTC	❖ Production and Marketing of High Value Crops - Broccoli ❖ Potato Research and Development Program ❖ Biological Control of Major Insect Pest of Rootcrops in the Cordillera ❖ Rapid Propagation of Disease-Free Planting Materials of Potential Sweetpotato Varieties



*Potato research*



*Clean vegetables production*



On-going researches in 2000 (University-funded)

Implementing Unit	On-Going Research
CA HORTI	<ul style="list-style-type: none"> <li>❖ Quick Response Service (QRS) Research on Potato Leafminer</li> <li>❖ Development of Market-Oriented Cropping Schemes for Vegetable Crops</li> <li>❖ Integrated Pest Management (IPM) of Selected Vegetable Crops</li> <li>❖ Tissue Culture Research and Development for Highland Crops</li> <li>❖ Chayote Production, Processing, and Marketing Development Project</li> <li>❖ Development and Piloting of Improved Varieties of Garden Pea</li> <li>❖ Strawberry Varietal Development Program</li> <li>❖ Biological-Control of Phytophagous Mites Infesting Selected Crops in the Cordillera</li> <li>❖ Vegetable Seed Production Technology Development</li> </ul>
IHFSA	<ul style="list-style-type: none"> <li>❖ Integration/Evaluation of Different Hybrid and Native Animals in the Highlands for Agroforestry</li> <li>❖ Ten-Year Arabica Coffee Rehabilitation and Development Project in Benguet and ML-Province</li> </ul>
NPRCRTC	<ul style="list-style-type: none"> <li>❖ Isolation and Antibiotic Sensitivity Testing of Pathogenic Streptococci of Swine</li> <li>❖ Design and Development of Root Crops Processing Equipment for Village Level Operation</li> </ul>

On-going researches (external funding from the national and international agencies)

Funding Agency	Title of Research
CIP-UPWARD	❖ Sweetpotato Snacks Food Processing Enterprise Development in Northern Luzon
DA-BAR	<ul style="list-style-type: none"> <li>❖ Fungal Hyperparasites and Bacterial Antagonists as Component of Integrated Disease Management Program for Chrysanthemum White Rust</li> <li>❖ Breeding and Testing Vegetables for Mid and High Elevation Areas of the Philippines</li> </ul>
DA-CARFU	❖ Comprehensive Irrigation and Development Umbrella Program (CIRDUP)
IRRI	❖ Rice Varietal Improvement for Cool Elevated Areas
NLARMRDZC	❖ Towards Inland Aquatic Program in Asin (TILAPIA)
BENECO and LGU	❖ Development of Rice Cool Tolerant Varieties
PhilRice and DA-BAR	❖ Rice Key Commodity System
PIUC	❖ Socio-Economic Research
Tokyo University of Agriculture (TLA)	❖ Sustainability of Upland Vegetable Farming in the Philippines: A Case of Natubieng, Buguias, Benguet
UPLB-CHE	❖ Barangay Integrated Development Approach for Nutrition Improvement (BIDANI) of the Rural Poor
UPLB-IPB	❖ Varietal Improvement of Highland Vegetable Crops
UPLB-IPB and DA-BAR	❖ Variety Collection and Seed Increase of Advanced Lines and Experimental Hybrids of Tomato



Garden pea



Chrysanthemum

## Research Highlights and Findings

Researcher	Highlights and Findings
Bawang, F.T. and J.S. Ligat	<ul style="list-style-type: none"> <li>• Either sand, compost, or soil could be used as fruit bedding to accelerate propagation of chayote. Ainus free canopy is best for chayote production.</li> </ul>
Colting, L.M.	<ul style="list-style-type: none"> <li>• Identified three other species of leafminers associated with the host plants are <i>L. trifoli</i> (Burgess), <i>L. sativae</i> (Blanckard) and <i>L. Chinensis</i> (Kato).</li> </ul>
Ganga, Z. N. <i>et al</i>	<ul style="list-style-type: none"> <li>• Potential clones for variety release include 3873177, 379706.34, IP84004.7, and IP81001.1. New lowland potato variety "Raniag" is being recommended for highland cultivation.</li> </ul>
Radua, D.P.	<ul style="list-style-type: none"> <li>• Successful crosses were made among cultivars, wild relatives, and between cultivars and wild relatives.</li> </ul>
Quindara, H.L.	<ul style="list-style-type: none"> <li>• New potato product lines such as cupcake, puti, and cracklets were developed.</li> <li>• Suitable sweetpotato varieties for chip processing were identified.</li> <li>• Bread (bun) made of 40% sweetpotato mash was accepted by consumers.</li> </ul>
Tandang, L.L. <i>et al</i>	<ul style="list-style-type: none"> <li>• Pole snapbean B-21, CPV 18, HAV 66, HAV 71, HAV 81, and HAV 112 have high marketable yield and acceptable pod quality likewise, CPV 53, CPV 58, CPV 60 A, CPV 60 B, CPV 63, CPV 64, and CPV 66 are potential varieties.</li> <li>• Bush bean BBL 274, HAB 424, HAB 426, Derby, Torrent, and Landmark have high marketable yield and pod quality.</li> <li>• Three tomato lines were selected promising as salad variety. Another line was identified as promising market type.</li> <li>• Taichung, Chinese garden pea, and 89-001 have better quality pods and command higher price.</li> </ul>
Toledo, P.E.	<ul style="list-style-type: none"> <li>• Four t/ha lime is adequate for carrot. The use of Linuron at 1.5 kg ai/ha is effective in suppressing weed growth in carrot field resulting in high marketable yield. A four-day irrigation interval is sufficient for carrot production.</li> <li>• Application of 50 kg N/ha to bush snap bean "Gourmey's Delight" is adequate to give high seed yield.</li> </ul>
Villanueva, L.M.	<ul style="list-style-type: none"> <li>• The efficacy of <i>Flavobacterium sp.</i> is comparable to the efficacy of standard fungicides used against chrysanthemum white rust.</li> </ul>

## Awards

- ❖ Outstanding accomplishments in research in various fields gave distinguished awards to several of the researchers; and
- ❖ The awards were given by distinguished national awarding bodies.



*Dr. Luciana M. Villanueva, Gerardo O. Ocfemia Outstanding Plant Pathologist*



*Best Poster Award*

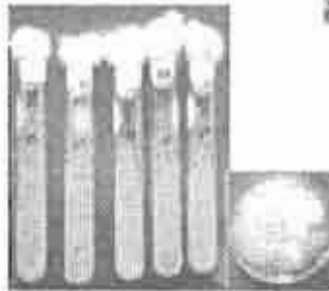
Recipient	Award	Awarding Agency
Atinyao, Marlene B.	Best Paper Award in Animal Nutrition	Philippine Society of Animal Science (PSAS)
Balcita, Manuel A.	PARRFI Professorial Chair	Philippine Agriculture and Resources Research Foundation, Inc. (PARRFI)
Ganga, Zenaida N.	Outstanding Research Manager	Philippine Association of Research Managers (PHILARM)
Padua, Danilo D.	PARRFI Professorial Chair Award	PARRFI
Perez, Jocelyn C. <i>et al</i>	2 <sup>nd</sup> Prize – Paper Presentation on Development of Sustainable Potato Seed Production Scheme for the Philippine Highlands	Highland Agriculture and Resources Research Development Consortium (HARRDEC)
Tagarino, Darlyn D. <i>et al</i>	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Prize – Poster Presentation on Market Research and Development for Clean Vegetables</li> <li>• 2<sup>nd</sup> Prize – Poster Presentation on Profitability of Broccoli Production in Benguet</li> </ul>	HARRDEC
Villanueva, Luciana M.	Gerardo O. Ocfemia Outstanding Plant Pathologist	Philippine Phytopathological Society (PPS)



*Paelomyces sp.*



*BSU Potato lines*



*Verticillium sp.*

### Facilities and Equipment

- ❖ The external funds generated through networking were spent to acquire several items of equipment for institutional enhancement. From the DA-BAR, 18 items were added to the existing information technology facilities to improve the knowledge process and documentation services. Eight other items were purchased in order to upgrade the biotechnology and seed storage laboratories;
- ❖ From the PIUC funds, various items were likewise obtained to improve laboratory facilities for the geographical information systems (GIS), soil science activities, and processing of BSU food product lines; and
- ❖ The maps of the experimental areas of Balili, Cabanao, and the Swamp, were revised. To maintain and protect these areas from environmental abuse, monitoring activities were regularized.

### Strategic Networking

In pursuing its cooperative endeavor towards the implementation of the Agriculture and Fisheries Modernization Act (AFMA), the University has been an active partner of:

- ❖ The Department of Agriculture-Cordillera Administrative Region Field Unit (DA-CARFU);
- ❖ Cordillera Integrated Agriculture Research Center (CIARC), and
- ❖ Other government and nongovernment organizations such as the University of the Philippines at Los Baños (UPLB), PhilRice, the Department of Science and Technology (DOST), and a number of state colleges and universities within and outside the Region.

## EXTENSION AND COMMUNITY SERVICES

The extension banner programs are continuing and are participated in by the different colleges and units of the University.

### University extension banner programs

Regular Program	Accomplishments
BSU On -The – Air	<ul style="list-style-type: none"> <li>• Aired 26 topics on health issues.</li> <li>• Airing ran from 5:20 to 5:30 A.M. on Mondays, Wednesdays, and Fridays at DZWT, Baguio City</li> <li>• Tapped 20 resource persons from various colleges, institutes, and other organizations.</li> </ul>
BSU Sa- Barangay	<ul style="list-style-type: none"> <li>• Served six barangays in three municipalities of Benguet and La Union.</li> </ul>
Participatory Technology Adoption Program (PTAP)	<ul style="list-style-type: none"> <li>• Five cooperators for the PTAP on passion fruit production in Atok, Benguet had their first harvest in November.</li> <li>• Three cooperators for the PTAP on economic tree production in Atok and Sablan (Benguet) had already established their plantation.</li> <li>• Two organizations and one farmer were beneficiaries for the PTAP on chrysanthemum/anthurium production.</li> <li>• Two proposals for implementation in 2001 were approved for financing by the DA-CHARMP.</li> </ul>
Technology Packaging And Publication	<ul style="list-style-type: none"> <li>• Produced some 15 information, education, and communication (IECs) materials availed of by about 1,030 persons.</li> </ul>
Training Courses/Technical Assistance	<ul style="list-style-type: none"> <li>• Conducted and co-sponsored 28 training courses participated in by about 520 trainees.</li> </ul>
Other activities	
1. BSU-Plastro Phils., Inc. Demo House On Drip Irrigation System	<ul style="list-style-type: none"> <li>• The construction of the plastic house is nearing completion and lighting and water systems installation will be finished in April 2001.</li> </ul>
2. On-farm Demo on Semi-Temperate Crops in Doña Remedios Trinidad, Bulacan	<ul style="list-style-type: none"> <li>• The first trial on vegetable production was successful for snap beans and carrots. Other crops did not survive typhoon "Reming".</li> <li>• Rose production was also demonstrated and the first budding yielded promising results.</li> </ul>
3. BSU Technology Exhibits in various S & T Fairs held at the regional and national levels.	<ul style="list-style-type: none"> <li>• University Charter day</li> <li>• National DOST NSTW Exhibition at PICC Pasay City</li> <li>• Regional S&amp;T Week at DMMSU</li> <li>• HARRDEC Regional R &amp; D Highlights Symposium</li> </ul>

## Extension programs of the Colleges/Institutes

College/Unit	Extension Program
College of Agriculture	Various extension activities in coordination with the University extension program
College of Arts and Sciences	Conduct of seminars on ICT, language education and teaching
College of Engineering and Applied Technology	Consultation on ANEC and other related extension activities
College of Forestry	Seed Dispersal Program
College of Nursing	Reproductive Health Care Community Outreach Diabetic Health Education Program BSU-on the-Air CN Health Clinic
College of Home Economics and Technology	Skills Application Training Program Nutri-Clinic  Community-based Home Enterprise Technology Barangay Integrated Development Approach for Nutrition Improvement Consultancy and Expert Services
College of Veterinary Medicine	Pig Dispersal Program
College of Teacher Education	Exchange program in student teaching Adoption of cooperating schools
Institute of Physical Education and Sports	Dance Instruction and Physical Fitness



*PTAP project*



*PTAP project*



*Plastro greenhouse*



*Training on Upland Vegetable production*



*Flower arrangement demonstration*

## PRODUCTION

### Income-Generating Projects

- ❖ The University obtained income from income-generating projects (IGP), students fees and land use facilities rentals;
- ❖ The income generated from these projects was PhP 19M;
- ❖ The income from these projects was used to augment the financial needs of the University;
- ❖ Some units/colleges have institutionalized income-generating projects. The College of Teacher Education operated the Special School, Pre-School and Licensure Examination as IGP;
- ❖ The IGPs are:
  - Agro-forestry
  - Bakery
  - Dairy
  - Floriculture
  - Food Processing
  - Marketing Center
  - Multi-vegetable production
  - Mushroom
  - Pomology
  - Poultry
  - Strawberry prouction
  - Swine
  - Cafeteria
  - CHET Showcase
  - Guestel, Home Management & Executive Guesthouse
  - Men's and Ladies Dormitory
  - Veterinary Clinic ; and
- ❖ The Food Processing and Training Center processed fruit- and peanut-based food products and ube jam. This center created a market niche for domestic consumers. It extended its services as an on-the-job training/ practicum site for students of other colleges as well as students of other state colleges and universities in the country. The bakery, cafeteria and other projects offered also the same services.

### Income-generating projects and income

Project		Income
Income generating projects (Fund 161 & 163)	PhP	5,155,469.41
Tuition fee, and all other student fees		10,934,486.81
Land use and facilities rentals		3,321,239.06
<b>Total</b>	<b>PhP</b>	<b>19,411,195.28</b>



*Poultry project*



*Marketing Center*



*Coffee plantation*



*Processed food products*



*Different varieties of mums*



## INTERNAL GOVERNANCE

### Administration

- ❖ The Administrative Council had new or reappointed members due to retirement and end of tenure of designated positions;
- ❖ Dr. Ester A. Garcia, the CHED Commissioner, took over as Chairperson of the Board of Regents effective November 2000.
- ❖ In response to the growing concerns of the University along instruction, research, extension and production, the Office of the Planning and Development (OPD) under the Office of the President was upgraded and changed into the Office of the Vice- President for Planning and Development (OVP-PD) by virtue of Board Resolution No. 983, s. 2000;
- ❖ The Institutional Review and Planning Workshop was coordinated and participated in by the members of the Administrative Council to give directions for the year. The outputs of the workshop were the formulated Action Plans for 2001 and the Updated University Development Plan for 2001-2004. These plans were further refined and fine-tuned during the Advance Higher Education Administrators Development (AHEAD) Training Course, which was conducted in coordination with SEAMEO Regional Center for Graduate Study and Research in Agriculture (SEARCA).



*Participants to the Advance Higher Education Administrators Development Training Course (AHEAD)*

### Personnel Profile

- ❖ Of the 542 regular employees, 258 are faculty members, 26 are research staff and 258 are support staff, and
- ❖ Twenty personnel were separated from the service due to retirement or death.

Personnel profile according to highest educational attainment

Personnel	Highest Educational Attainment					Total
	UNG*	BS	MS/MA	PhD/ EdD	Post Doc	
Faculty members	0	79	100	76	3	258
Research staff	0	8	16	2	0	26
Support staff	134	107	16	1	0	258
<b>Total</b>						<b>542</b>

\* Undergraduate

**Faculty and Staff Development**

- ❖ Eighteen personnel completed advanced degrees in their field of specialization. Most of them were provided with financial assistance for the production of their theses or dissertations amounting to PhP 250,000 00; and
- ❖ In line with the faculty and staff development of the University, 17 faculty members and staff were granted scholarships. Others attended conferences here and in abroad.

List of personnel who obtained advanced degree

Name	Degree
Alfonso, Gerry M.	MS Forestry
Alinyao, Marlene B.	PhD Animal Science
Bao-idang, Conrado C.	MS Forestry
Basalong, Andres A.	MS Plant Pathology
Bengwayan, Grace T.	MS Rural Development
Bucu, Gilda V.S.	PhD Language Education
Dines, Elvira G.	MA Filipino as Second Language
Lirio, Lorenza G.	PhD Applied Biological Science
Manuel, Divina V.	MAED Administration and Supervision
Palaez, Teresita D.	M Public Administration
Perez, Hilario C.	MS Rural Development
Sagalla, Lily D.	MST Physical Science
Somyden, Ma. Corazon A.	PhD Educational Management
Tacloy, John D.	PhD Rural Development
Tad-awan, Bernard S.	PhD Rural Development
Tianza, Guerzon A.	MS Agronomy
Unos, Mary Ann C.	D Physical Education
Wacangan, Vicente T.	MS Forestry

Seminars and trainings abroad

Name	Seminar/Training	Place
Guillen, Edith B.	Visiting Scholar with the Center for Research in Women's Studies and Gender Relations (Undertake approved research proposal)	University of British Columbia, Canada
Mula, Rosana P.	Training Course on Urban and Peri-Urban Agribusiness	Israel
Alipit, Percival B.	TUA collaborative Research Conference	Tokyo University of Agriculture, Japan
Balota, Manuel A.	2000 International Conference (East-West Center Association)	East-West Center, Hawaii
Claravall, Norg J.	Library Management and Related Fields	Katholieke Universiteit Leuven, Belgium
Consofacion, Cipriano C.	Asian Association of Agricultural Colleges and Universities (AAACU) Biennial Convention, 2000	Malaysia
Ganga, Zenaida N.	Global Initiative on Late Blight (GILB) of the East and Southeast Asia Linkage Group	Agricultural University of Hebei, China
Gayao, Betty T.	Planning Workshop Capacity Development in Research and Development Organizations	Isnar, Netherlands
Kiswa, Cynthia B.	Training Course: Potato Course Storage and Seed Technology	International Agricultural Center, Netherlands
Macanes, Valentito L.	Follow-up Workshop on Sericulture Production Technology	Seoul, Korea
Mayos, Dizon T.	Recycling Scholarship of the Philippine Institutional Cooperation Program (PIIC)	University of Antwerp-RUCA, Belgium
Mula, Rosana P.	7 <sup>th</sup> International Congress of Ethnobiology	University of Georgia, Georgia U.S.A.
Naje, Fiordeliza O.	Recycling Scholarship of the Philippine Institutional Cooperation Program (PIIC)	University of Antwerp-RUCA, Belgium
Padua, Danilo P.	Follow-up Seminar of Former DSE Training Participants	Food and Agriculture Development Center, Germany
Perez, Jocelyn C.	Conference on Capacity Development Participatory Research	China Agricultural University, China
	Planning Workshop Capacity Development in Research and Development Organizations	Isnar, Netherlands
Tabanda, Maria Elena O.	Third International Post Graduate Course on Food Technology	Israel
Tanyag, Rosalinda C.	Training Course on Sericulture Production Technology	South Korea

## Awards

- ❖ The University President was chosen as one of the 2000 Dangal ng Bayan Award by the Civil Service Commission;
- ❖ A support staff was given the Centennial Civil Service Award; and
- ❖ Four support staff were awarded Outstanding Employee and two faculty members, Outstanding Teachers by the University during the University Charter Day celebration.



*Because of his outstanding public service, Dr. Cipriano C. Consolacion, was chosen as one of the 2000 Dangal ng Bayan Awardees by the Civil Service Commission*

### Outstanding employees

Name	Award
Consolacion, Cipriano C.	2000 Dangal ng Bayan Award
Andaya, Montano B	Centennial Civil Service Award and Outstanding Employee
Bosoy, Edna S	Outstanding Employee
Certeza, Teresita D.	Outstanding Employee
Angel, Clarita S.	Outstanding Teacher
Mayos, Norma S	Outstanding Teacher

## Employee Benefits.

- ❖ Employees availed of monetary and non-monetary benefits, in accordance with existing rules and policies.
- ❖ The Human Resource Management Office of the University processed benefits based on the nature of appointments and service records.

### Benefits given to the personnel

Benefit	Number of Personnel
Step increment	145
Loyalty award	67
Monetization of leaves	265
Rehabilitaion leave	2
Special leave privilege	291
Compensatory day-off	11
Employees compensation claim	2

## Linkages

- ❖ For capability improvement, resources were sourced out and developed through networking and mutual understanding;
- ❖ Institutional linkages were forged by the University with several national and international agencies; and
- ❖ Most of these linkages were forged to support research and extension projects and faculty and staff development.

### New and sustained institutional linkages

Institutional Linkage	Nature of Linkage
ACIAR	Research collaboration on Swine
BLPC, BPH-BNCRDC	Integrated Management of Potato
DA-BAR	Leaf Miner Project
Cavite State University	Exchange program in student teaching
CIP-UPWARD	Sweetpotato research project
DA-CARFU, BAR, CHARMP, BPI	Research and institution development enhancement
DOE	ANEC project
FAPE	Graduate studies assistance
NLARMRDZC, BENECO, LGU	TILAPIA Project
PhilRice	Research and Rice KCS
PIUC	Research and institution, faculty and staff development
Sanju University	National Faculty, staff and student exchange
SEARCHA	Capability building and staff development
St. Louis University	Research collaboration
TESDA	Extension project
TUA	Case study
UPLB	BIDANI and IPB projects
UPWARD	Sweetpotato research project
VISCA	IPM on sweetpotato project

### SEAMEO-SEARCHA



Department of Agriculture



Saint Louis University



Philippine Institutional University Cooperation Programme



DOST-CAR Linkage



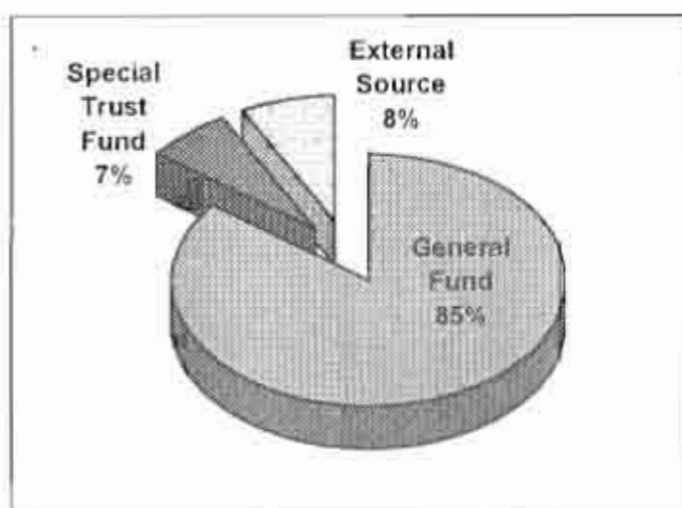
Japanese linkage on non-formal education

## Budget

- ❖ Apart from the General Fund, the other sources of budget were drawn from the Special Trust Fund (STF) and external sources;
- ❖ The STF is the income from tuition and fiduciary fees and land and facilities rentals. It is used to supplement the budgetary needs of the University;
- ❖ The external sources are the local and international funding agencies that support instruction, research, development and extension services, and faculty and staff development; and
- ❖ The total budget of the University from these sources was PHP 191,088,000.

The University budget and sources (x000)

Source of Fund	Personal services	Maintenance and other Operating Expenses	Capital Outlay	Others	Total
General Fund	127,631	29,460	4,900	-	161,991
Special Trust Fund	-	-	7,000	6,500	13,500
External Source	-	-	-	-	14,597
* CIP-UPWARD	-	-	-	380	-
* DA-BAR	-	-	-	3,941	-
* DA-CARFU	-	-	-	1,100	-
* DA-CHARMP	-	-	-	066	-
* ORETA CDF	-	-	500	-	-
* PhilRice	-	-	-	800	-
* PIUC	-	1,185	5,729	279	-
* TESDA	029	068	-	-	-
* TUA	-	-	-	400	-
* UPLB-IPB	-	-	-	120	-
Total	127,660	30,713	18,129	11,186	
<b>Grand total</b>					<b>191,088</b>



## Infrastructure, Equipment and Facilities

- ❖ The 1999 infrastructure and repair and renovation continuing projects were completed in 2000. Funds amounting to PhP 4M were taken were funded from the 2000 STF budget for these projects.
- ❖ The Oreta Countrywide Development Fund (CDF) and Philippine Institutional University Cooperation (PIUC) funds were used to develop information technology and biotechnology facilities. From DA-BAR, PhP2M was received for the University Institutional Development Enhancement Program, and
- ❖ Information technology (IT) equipment worth PhP 1M was purchased from the General Fund and PhP 3M from the STF budget for other Higher Education equipment. External funds were used to purchase equipment for research and a vehicle.

### The infrastructure projects implemented

Project	Cost
<b>New Projects</b>	
Gladiola Center (Phase III)	Php 1,960,000
College of Forestry, Theater Hall (Phase IV)	1,980,000
College of Arts and Sciences (Phase IV)	372,363
Warehouse, completion	496,000
Anthurium Hall, completion	806,000
Road Network I, Faculty and Staff Housing	1,670,000
Road Network II, Faculty and Staff Housing & Forestry area	1,187,250
Marketing Center at km 5	840,000
Guest House, completion	750,000
Fencing of Land Reservation at Ampasil	654,000
Fencing of Land Reservation at Tabangapan	246,000
<i>Subtotal</i>	<i>11,731,613</i>
<b>Repair and Renovation</b>	
Soils and Chemistry Building	280,000
Elementary Building	346,175
College of Arts and Sciences (Building No. 1)	720,000
College of Home Economics and Technology	430,000
College of Engineering and Applied Technology	912,000
Open Gymnasium	470,000
Men's Dormitory Annex	515,000
Animal Science Building	388,000
Agri-business Building	550,000
Close Gymnasium	3,042,000
Research and Development Complex	412,180
College of Veterinary Medicine	184,000
College of Arts and Sciences (Bldg. No 2)	168,000
College of Teacher Education (comfort rooms)	395,000
High School and Elementary (comfort rooms)	101,709
<i>Subtotal</i>	<i>8,942,061</i>
<b>Total</b>	<b>20,073,677</b>



*Anthurium Hall*



*Animal Science Building*



*Men's Dormitory*

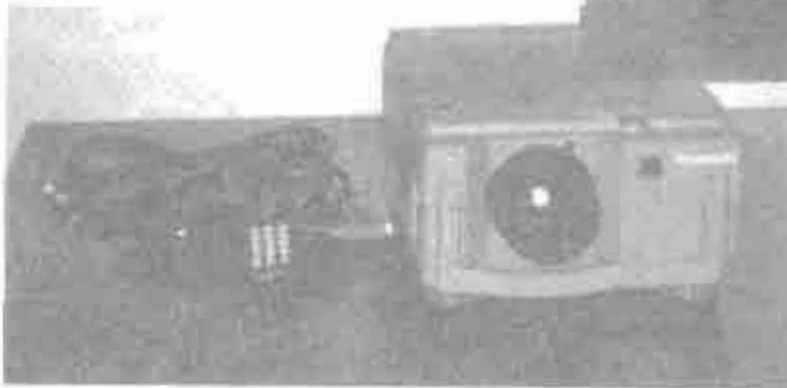
Equipment and vehicle acquired



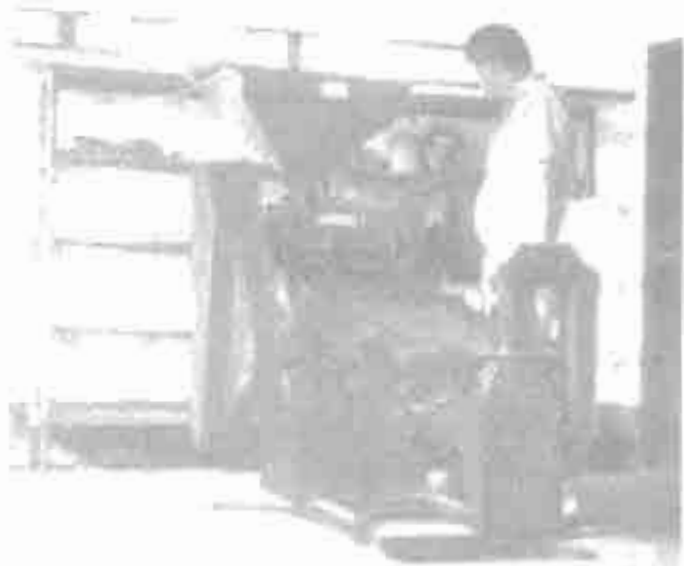
TV set and VHS player



Toyota REVO



LCL Projector



Coffee sheller



## Appendix 1. Curricular Offerings

### Graduate Studies

- ❖ **Doctor of Philosophy (PhD)**
  - Agricultural Education
  - Agronomy
  - Horticulture
  - Language Education -
  - Rural Development
  - Science Education
- ❖ **Doctor of Education (EdD)**
  - Educational Management
- ❖ **Master of Science (MS)**
  - Agricultural Economics
  - Agricultural Education
  - Agronomy
  - Animal Science
  - Biology
  - Botany
  - Entomology
  - Extension Education
  - Horticulture
  - Forestry
  - Plant Pathology
  - Rural Development
  - Soil Science
- ❖ **Master in Public Administration (MPA)**
- ❖ **Master of Arts in Education (MAEd)**
  - Education and Administration
  - Elementary Education
  - Guidance and Counselling
- ❖ **Master of Arts (MA)**
  - Home Economics
  - Physics
  - Physical Education
  - Social Studies
  - English as a Second Language
  - Filipino as a Second Language
  - Technology and Home Economics
  - Chemistry
  - General Science
  - Mathematics
  - Applied Statistics
- ❖ **Master of Resource Systems Management (MRSM)**
- ❖ **Master of Forestry (MF)**

### Undergraduate Programs

- ❖ Bachelor of Science in Agriculture
  - ❖ Bachelor of Science in Agribusiness
  - ❖ Bachelor of Science in Development Communication
  - ❖ Bachelor of Science in Applied Statistics
  - ❖ Bachelor of Science in Environmental Science
  - ❖ Bachelor of Science in Information Technology
  - ❖ Bachelor of Science in Agricultural Engineering
  - ❖ Bachelor of Science in Forestry
  - ❖ Bachelor of Science in Home Economics
  - ❖ Bachelor of Science in Nutrition and Dietetics
  - ❖ Bachelor of Science in Nursing
  - ❖ Bachelor of Science in Agricultural Education
  - ❖ Bachelor of Science in Secondary Education
  - ❖ Bachelor of Science in Elementary Education
  - ❖ Bachelor of Science in Animal Technology
  - ❖ Doctor of Veterinary Medicine
  - ❖ Certificate in Public Administration
  - ❖ Diploma in Physical Education
  - ❖ Associate in Entrepreneurial Technology
  - ❖ Certificate in Basic Automotive Technology
  - ❖ Forest Ranger Certificate
- ### Basic Education
- ❖ Secondary Education
  - ❖ Elementary Education
- ### Open University
- ❖ Master's Degrees (Distance Education)
  - ❖ Diploma Courses
  - ❖ Short Term Courses
- ### Non-Formal Education
- ❖ Tailoring
  - ❖ Dressmaking
  - ❖ Food Processing
  - ❖ Baking Courses

## Appendix 2. List of Achievers

Name	Degree/Year	Ave	Name	Degree/Year	Ave
Luas, Benjamin S.	BSA I	1.27	Ventura, Fernando Jr. M	DVM II	1.63
Sagillo, Esther J. D.	BSA III	1.39	Aliping, Rizelyn R.	BEE III	1.66
Stragol, Charolita C.	BSA III	1.39	Estiong, Jorelyn K.	BSHE II	1.66
Gibson, Norasa J.	BSA II	1.42	Agulao, Boris C.	BEE I	1.67
Consolacion, Cheryl C.	BSA III	1.46	Tulley, Clarisa M.	DVM I	1.67
Basngi, Yvonne Clara B.	BSN I	1.46	Kinway, Glynis m.	BSE III	1.67
Bawang, Ederson G.	BSE F	1.47	Pachao, Karen Gale C.	BSN II	1.67
Tibayan, Jeanesol B.	BSAS I	1.46	Alamada, Norhayda b	BSF I	1.67
Bosco, Gory C.	BSIT I	1.50	Gamboa, Juliet S.	BSAE I	1.67
Nabusan, Edlyn Mae W.	DVM I	1.50	Ayban, Ursula D.	BSE III	1.67
Rosario, Anitra C.	BSA II	1.50	Dominico, Edna D.	BEE III	1.68
Vicaya, Melanie G.	BSA II	1.50	Vermes, Judith I.	BSAE III	1.68
Yakat, Janice K.	BSAS II	1.56	Fernandez, Lovella C.	IBSA I	1.68
Salcedo, Gary Ann Q.	BSA II	1.57	St.aking, Febrina B.	BSAE I	1.68
Pachao, Meliza C.	BSA I	1.58	Reconsal, Janelyn L.	BSAEngg III	1.68
Pigganto, Janelyn L.	BSF I	1.58	Daragan, Irene w.	BSE I	1.68
Liglipib, Jennifer G.	BEE I	1.58	Besic, Elvira D.	BSF III	1.69
Ligat, Casmira	BSA II	1.59	Betazo, Loma S.	BSA III	1.69
Druque, Yarna V.	BSES III	1.59	Alay, Brenda B.	BSE J	1.69
Felix, Rubelyn b.	IBSAE I	1.59	Macario, Jennifer F.	BSE I	1.69
Ruloda, Jovelyn	BEE I	1.59	Ayapan, Tondo M.	BEE II	1.70
Bolide, Lily Ann B.	BEE I	1.59	Loque, Celestina T.	BEE II	1.70
Tayan, Sonia G.	BEE II	1.60	Balancart, Lowlyn E.	BSHE II	1.70
Mabones, Aileen A.	DVM I	1.60	Sioigan, Lenilde C.	BSES I	1.71
Matias, Grace w.	BSA III	1.60	Caldo, Janelyn C.	BSHE I	1.71
Ampaguey, Jonard W.	BSA III	1.62	Palasz, Ferlyn B.	BEE II	1.71
Islao, Benito Jr. A.	BSAEngg	1.62	Locavico, Annie T.	BEE J	1.71
Caluza, Irena I.	BEE I	1.63	Alba, Agostina B.	BEE I	1.71
Iguico, Belinda c.	BEE I	1.63	Mendoza, Estelito B.	BSE II	1.71
Songutan Madeline A.	BSA III	1.63	Gubraan, Jo-anna B.	BSHE I	1.72
Maciling, Elizabeth g.	BSA II	1.63	Belno, Elvina P.	BSHE III	1.73
Mayas, Haldi B.	BSAS II	1.63	Junill, Cheryl S.	DVM II	1.73
Torres, Theacamille Y.	BSN I	1.64	Bimmacial, Judith f.	BSAEngg I	1.73
Bagsang, Ma. Theresa b.	BSAS I	1.65	Cautandi, Pamela c.	BSND III	1.73
Palasz, Janice A.	BSES II	1.66	Bartel, Marissa I.	BEE I	1.75
Livananan, Avigate Charisma A.	BSES II	1.66	Sioy, Desire C.	BSIT I	1.75
Penchon, Hector M.	BSIT I	1.66	Mayos, Janine D.	BEE I	1.75

Appendix 3. Researches conducted in collaboration with private agro-chemical companies

Company	Title of Research
Allied Botanical Corporation	<ul style="list-style-type: none"> <li>* Variety Trials of Various Brassicas, Lettuce, Tomato, and Cabbage</li> <li>* Variety Trial of Highland Vegetables</li> </ul>
Bayer Phils.	<ul style="list-style-type: none"> <li>* Evaluation of a New Compound for the Control of Late Blight of Potato and Tomato</li> <li>* Effects of Existing Bayer insecticides Against DBM, Thrips, Leafminer on Selected Highland Crops</li> </ul>
Dupont Phils.	<ul style="list-style-type: none"> <li>* Field Efficacy Evaluation of Steward 50 WG Against DBM</li> <li>* Field Evaluation of Equation PRO-52.5 DF for Late Blight Control in Tomato</li> </ul>
Harveson Lead Corporation	<ul style="list-style-type: none"> <li>* Bio-Efficacy of Free-Grow on Carrots</li> <li>* Rimon 10 EC Sequential Application of SBM Control in Head Cabbage</li> </ul>
Norke Hydro Phils. Novartis Agro-Phils. Inc.	<ul style="list-style-type: none"> <li>* Efficacy Test of 25-7-7 and 16-16-16 on Potato and Cabbage</li> <li>* Field Evaluation of Ridomil Gold in Controlling Late Blight of 11 Potato and Tomato</li> <li>* Field Evaluation of Selecron 500 EC and Pegasus 250 SC Against Pest Complex of Asparagus</li> <li>* Greenhouse Bioefficacy of Pegasus 250 for the Effective Control of Mites in Chrysanthemum</li> <li>* Greenhouse Evaluation on the Efficacy of Flint 125 EC for the Control of Chrysanthemum Rust</li> </ul>

#### Appendix 4. The Administrative Council

CONSOLACION, Cipriano C.  
Chair and Presiding Officer, University  
President

BAWANG, Franco T.  
Vice Chair, Executive Vice President

BENGWAYAN, Grace T.  
Secretary, University and Board Secretary

BULIYAT, Marcos A.  
Member, Vice President for Academic  
Affairs

COLTING, Rogelio D.  
Member, Vice President for Research and  
Extension

MERESTELA, TESSIE M.  
Member, Vice-President for Planning and  
Development  
Effective 15 November 2000

AVILA, Jane K.  
Member, Dean- College of Home  
Economics and Technology

BALANGEN, Melecio A.  
Member, Dean- College of Forestry

CAWAON, Florence C.  
Member, Dean-College of Nursing

CHUA Edna A.  
Member, Dean-College of Arts and Sciences

PADUA, Danilo P.  
Member, Dean- College of Agriculture

BAGANO, Juliet P.  
Member, Coordinator - Open University

DIEGO, Ruth C.  
Member, Dean-College of Veterinary  
Medicine

GARIN, Dominador S.  
Member, Dean- Graduate School

LUBRICA, Percyveranda A.  
Member, Dean-College of Teacher  
Education

BOLINTO, Henry K.  
Member, Chair- Secondary Education  
Training Department

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