

# **ANNUAL REPORT 2019**



# *Serving by Empowering*

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**URDUJAH ALVARADO-TEJADA**

*University President*

2019 was a fruitful year for Cagayan State University. The adherence to Quality Education was the primary credo and driving force of the University as it serves its central mission of providing our students with the necessary opportunities to transform their lives. We are able to accomplish this through our impressive performance in Professional Licensure Examinations. We demonstrated our commitment to excellence as we produced national topnotchers in the field of Medical Technology, Respiratory Therapy, Veterinary Medicine, and Chemical Engineering. CSU is also regarded as a powerhouse for Medical Technology and

Respiratory Therapy as it is recognized as a top school nationwide for both programs.

Research has also found its way to become more relevant in society. The number of published researches of the University in international refereed journals, patents and utility models produced dramatically increased in number. This is a manifestation that faculty members became more challenged to conduct and publish their researches and put these into practical use. Moreover, CSU's Extension initiatives has become more felt in the communities. Our national and regional awards in extension are a proof to this feat.





The year 2019 is a witness to the efficiency of the administration in handling finances as it delivers a 91.83% Budget Utilization Rate (BUR) for Obligations and a 99.44% BUR for Disbursement. The University has also maintained active partnerships with the Canadian Executive Service Organization and United States Peace Corps that warranted the University with visits from international experts in various fields of specialization to offer new relative skill set for the CSU community. Memoranda of Agreement have also been signed between CSU and other international universities

promising potential partnerships in academics, research and production.

Through the indefatigable Executive Committee Members comprising of the four Vice Presidents and the Management Committee that is composed of the Campus Executive Officers of the 8 satellite campuses, as well as the entire CSU community, CSU continues to flourish until its pulse reverberates in all corners of the world. What CSU achieved in 2019 are all dedicated to the men and women who worked doubly hard to achieve what we have become as a University.



# *Vision*

CSU is a University with global stature in the arts, culture, agriculture and fisheries, the sciences as well as technological and professional fields.

# *Mission*

Cagayan State University shall produce globally competent graduates through excellent instruction, innovative and creative research, responsive public service and productive industry and community engagement.

# *Core Values*

## *Competence*

*Critical Thinker*

*Creative Problem -Solver*

*Competitive Performer: Nationally, Regionally and Globally.*

## *Social Responsibility*

*Sensitive to Ethical Demands*

*Steward of the Environment for Future Generations*

*Social Justice and Economic Equity Advocate.*

## *Unifying Presence*

*Uniting Theory and Practice*

*Uniting Strata of Society*

*Unifying the Nation, the ASEAN Region and the world*

*Uniting the University and the community.*

## **ANNUAL REPORT 2019**

Office of the University President

University Information Office

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# Instruction







## PERFORMANCE IN LICENSURE EXAMINATIONS OF CSU ACADEMIC PROGRAMS

### National Licensure Examination Topnotchers

The College of Allied Health Sciences once again produced national topnotchers in the March 2019 Medical Technologist Licensure Examination. CSU registered a 100% passing rate as compared to the national passing rate of 68.45%.



John Stewart B. Alberto



Ryan Jay L. Lomboy

### Examinees who garnered Top Ranks in the March 2019 Medical Technologist Licensure Examination

Rank	Name	Rating
1	John Stewart Buenavista Alberto	91.10
10	Ryan Jay Lumaoang Lomboy	88.90

The College of Veterinary Medicine also produced a topnotcher (Top 8) in the August 2019 Veterinarian Licensure Examination.

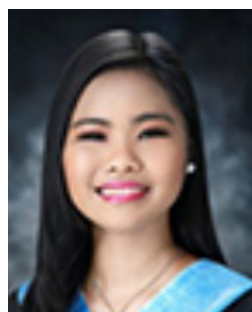


Jaylord Piga Carbonell

Cagayan State University is again Top 1 Performing School for Respiratory Therapy Nationwide and was able to produce 9 national topnotchers in the September 2019 Respiratory Licensure Examination. CSU registered a 97.37% passing rate which is higher than the national passing rate of 68.30%



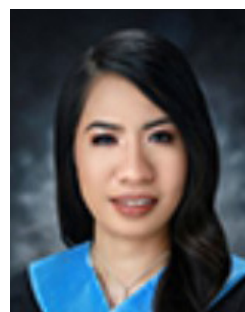
Christine L. Tayona



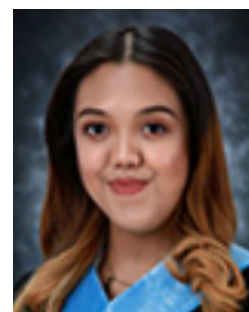
Zhyra R. Addun



Karine Claire F. Reynante



Casandra Mae T. Mallabo



Ma. Criselda S. Manawis



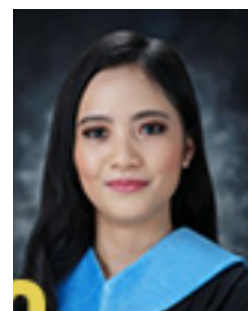
Krissa R. Molina



Christine Joy S. Regalado



Jenevel Marie T. Jardeleza



Maureen An Mapiles

**Examinees who garnered Top Ranks in the September 2019 Respiratory Therapy Licensure Examination**

Rank	Name	Rating
1	Christine Leyte Tayona	88.00
2	Zhyra Remudaro Addun	87.75
7	Karine Claire Fernando Reynante	86.25
8	Casandra Mae Tangan Mallabo	86.00
	Ma. Criselda Saguino Manawis	86.00
9	Krissa Rugrug Molina	85.75
	Christine Joy S. Regalado	85.75
10	Jenevel Marie Talisa Jardeleza	85.50
	Maureen An Mapiles	85.50



In the College of Engineering, Mr. Joemarie Ramos Domingo landed at Top 9 with the rating of 82.80% in the November 2019 Chemical Engineering Licensure Examination.



Joemarie R. Domingo

### Percentage of First Time Licensure Examination Takers that Passed the Licensure Examinations, Academic Year 2019

The institution's performance target along licensure examination with emphasis on first time takers has not been met with an accomplishment rating of 61.85% as against the physical target of 63%.

However, comparing the performance of Cagayan State University (CSU) with national percentage of passers, the university performed better (61.85%) compared with that of national average of passers (53.40%).

#### Comparison of Percentage Passers of First-Time Licensure Examination Takers with National Average Passing, Academic Year 2019

	Total First Time Takers	Total First Time Passers	Average
CSU	3,817	2,361	61.85%
National	1,727,448	922,450	53.40%
<b>Average Passing % of SUC/ National Average Passing</b>			<b>116%</b>



## Performance in Licensure Examinations of First-time Takers and Passers per Academic Program

The table below shows the summary of results of Licensure Examinations by program during the First Quarter. Performance in the Criminologist Licensure Examination, Medical Technologist Licensure Examination, and

Physician Licensure Examination exceeded the national average rate of passers. Notably, the University garnered a 100% Institutional Passing Rate for the Medical Technologist Licensure Examination.

### ***Comparison of Performance on Licensure Examination of the different Academic Programs of CSU with National Performance, Academic Year 2019***

Program	2019	
	Intitutional	National
Accountancy	45.6133	14.525
Agriculture	35	43.4
Agricultural & Biosystem Engineer	40.625	48.99
Chemical Engineer	40.68	68.51
Civil Engineer	54.2	42.425
Criminology	67.1529	50.715
Electrical Engineer	100	65.48
Electronics & Communication Engineer	60.345	50
Electronics Technician	85.79	77.505
Fisheries & Aquatic Sciences	41.51	41.9
Medical Technologist	93.34	78.84
Physician	94.41	89.79
Psychometrician	80	79.57
Registered Master Technician	85.85	63.87
Respiratory Therapist	97.37	78.41
Professional Teacher - Elementary Education	50.86	46.085
Professional Teacher - Secondary Education	48.4	53.675
Veterinary Medicine	73.68	69.62

## Over-all Performance of CSU in Licensure Examination, Academic Year 2019

### ***Comparison of Over-all Performance of CSU in Licensure Examination for Academic Year 2019***

	Total Takers (Including Re-takers)	Total Passers (Including Re-takers)	Average Passing
CSU	6,395	2,884	45.10%
National	3,505,183	1,179,581	33.65%
<b>Average Passing % of SUC/National Average Passing</b>			<b>134.01%</b>



## CURRICULUM DEVELOPMENT

Starting May 2019, all curricula underwent review and enhancement to integrate indicators of internationalization in the curriculum as well as in the learning process. This included the integration of English Proficiency (6 units) among the course contents which came at a time when the Supreme Court upheld its decision to remove Filipino as a General Education (GE) subject in the curriculum. Moreover, blended learning involving traditional classroom setting and on-line learning has been implemented in some courses. Students could gain skills and competencies that are globally at par while using improved technologies, facilities and equipment in the classroom and while on practicum/OJT.

### **Six (6) programs that have curricula which met certain ASEAN standards**

1. BS Hospitality Management
2. BS Accountancy
3. BS Accounting and Information System
4. BS Medical Laboratory Science
5. BS Computer Science
6. BS Information Technology

In line to this, the BS Agriculture and BS Fisheries and Aquatic Sciences programs have curricula that were reviewed and enhanced with subjects to meet both CHED and PRC minimum requirements. The final drafts were contents-noted in September 2019. All curriculum checklists were contents-noted by CHED.



## Rationalization of Academic Programs (New Programs)

Six (6) new programs were offered effective first semester, SY 2019-2020.

### **CSU Andrews**

1. Bachelor of Culture and Arts Education major in Music
2. Bachelor of Science in Early Childhood Education

### **CSU Carig**

1. Bachelor of Science in Architecture
2. Bachelor of Science in Library and Information Science (formerly BS Library Resource Management)
3. Bachelor of Science in Social Work (including Certificate in Social Work)
4. Bachelor of Science in Information System



## INSTRUCTIONAL MATERIALS DEVELOPMENT (IMD)

Seven (7) GEC modules out of nine (9) were developed, completed, and reviewed in July 2019. In addition, one (1) General Chemistry module was also developed. All IMs were given copyright registration on July 22, 2019.

The following IMs are currently undergoing validation/pilot-testing in all campuses:

1. Understanding the Self
2. Science, Technology and Society
3. The Contemporary World

4. Art Appreciation
5. Ethics
6. Purposive Communication
7. Readings in Philippine History
8. General Chemistry

A total of thirty-eight (38) faculty members composed the IM Team that developed the 8 modules.

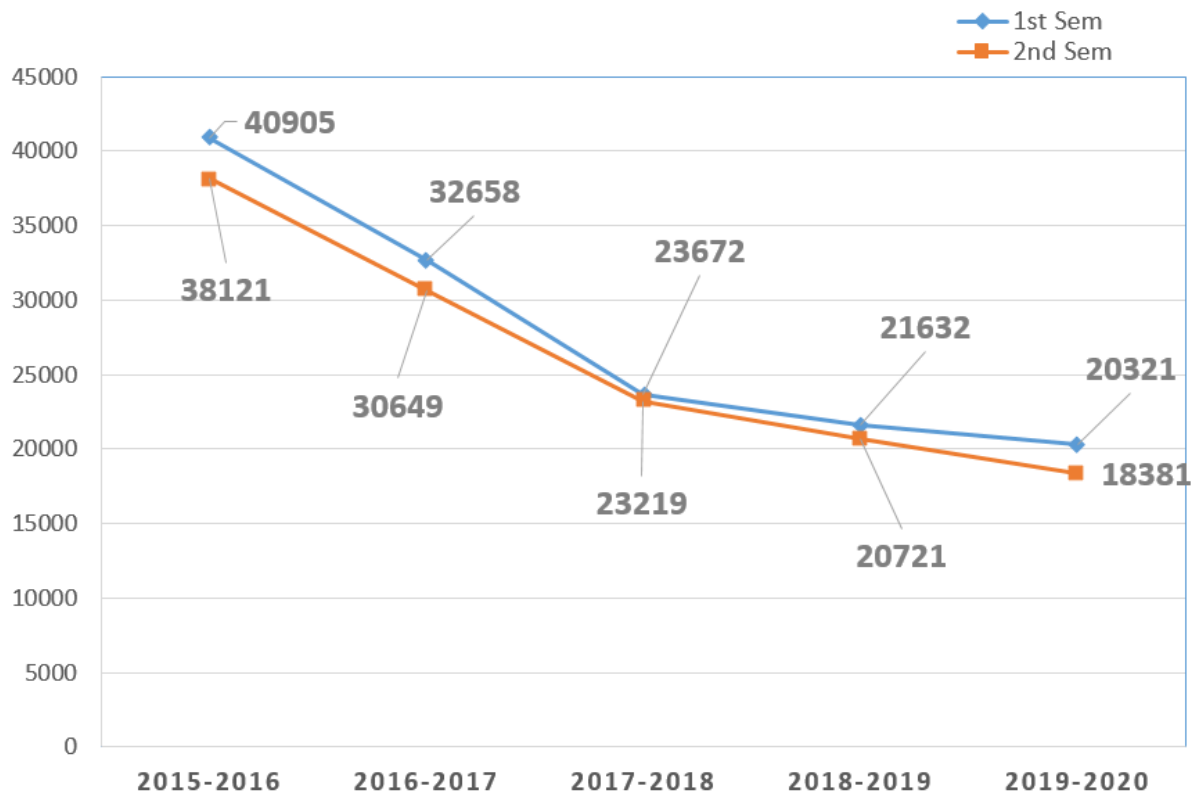


### List of Instructional Modules with Copyright Registration

No.	Module Title	Authors	Date Issued	Registration No.
1	Art Appreciation	Jomel Manuel Wendy Joy Garma Jane Gladys Monje Jackielen Garcia Domingo Dela Vega Hans Freyzer Arao	July 30, 2019	A2019-967
2	Ethics	Janelyn Agbayani Antonio Cabalbag Arthur Oliquiano Dolores Quebral	July 30, 2019	A2019-973
3	General Chemistry	Matilde Malana Jocelyn Diesta Cindy Lacuesta Milagros Suyu	July 30, 2019	A2019-969
4	Purposive Communication	Elizabeth Bautista Marites Catabay Allan Dela Cruz Shella Dela Cruz Glyzelda Gonzales Michael Lavadia Laureana Lingan Ria Tamayo	July 30, 2019	A2019-971
5	Readings on Philippine History	Antonio Tamayao	July 30, 2019	A2019-972
6	Science, Technology and Society	Gerlie Bayani Babylyn Canceran Zarina Kate Laggui Jennifer Luyun Gwyn Manuel Madel Tanguilan	July 30, 2019	A2019-970
7	The Contemporary World	Alvin Caronan Vicenta Maguddayao Mylene Tumamao Eleanor Canonizado Jane Umengan	July 30, 2019	A2019-968
8	Understanding the Self	Jona Cambri Maribi Ma. Benita Balagan Gladys Lavarias Kathlyn Mata Ma. Angelita Rabanal	July 30, 2019	A2019-974

## ENROLLMENT TREND

### ENROLLMENT SUMMARY PER ACADEMIC YEAR

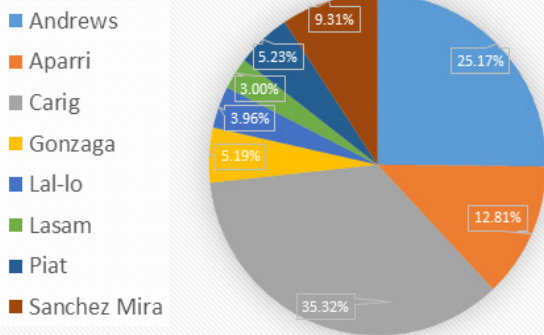


*Enrollment summary per academic year from AY 2015-2016 to AY 2019-2020*

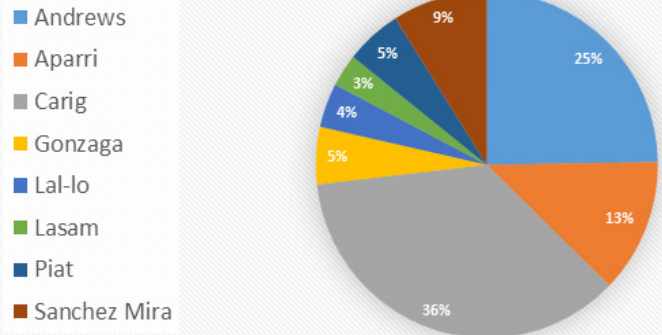


## ENROLLMENT SUMMARY A.Y. 2019-2020

Comparative summary of enrollment per campus  
1st semester



Comparative summary of enrollment per campus  
2nd semester



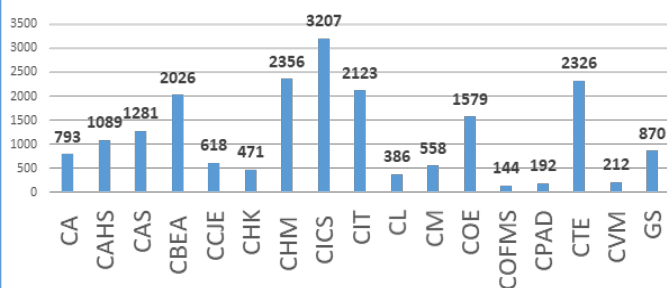
Actual number of enrollment for 1st semester.

Campus	Enrollee
Andrews	5,093
Aparri	2,592
Carig	7,146
Gonzaga	1,049
Lal-lo	802
Lasam	607
Piat	1,059
Sanchez Mira	1,883
<b>TOTAL</b>	<b>20,231</b>

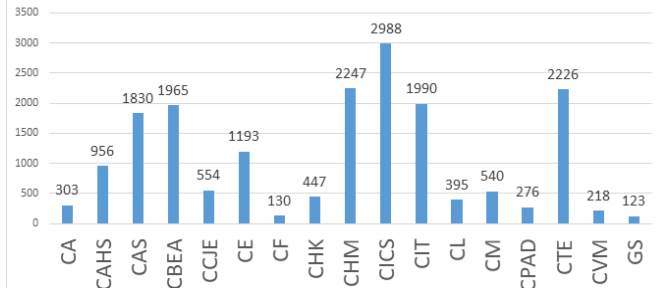
Actual number of enrollment for 2nd semester.

Campus	Enrollee
Andrews	4,549
Aparri	2,303
Carig	6,601
Gonzaga	980
Lal-lo	760
Lasam	560
Piat	977
Sanchez Mira	1,651
<b>TOTAL</b>	<b>18,381</b>

Enrollment Summary per College  
1st Semester 2019-2020



Enrollment Summary per College  
2nd Semester 2019-2020



Per college breakdown of enrollment A.Y. 2019-2020 (1st semester and 2nd semester)

## Technical and Vocational Education and Training (TVET)

In compliance with the Philippine Qualifications Framework, the University has 21 programs serving 36 competency assessment centers in the field of agriculture, fisheries, accounting, criminology, hospitality and industry management, industrial technology with varying from NC I to NC III. Right now, there are 1,363 National Certificate Passers.

TVET ACCREDITED PROGRAMS	ASSESSMENT CENTERS
21	36

TVET PROGRAM		NO. OF GRADUATES
NC I	Driving	1
	Auto Servicing	30
NC II	Domestic Refrigeration and Air-condition	1
	Food & Beverage Services	447
	Front Office Services	34
	Housekeeping	164
	Automotive Servicing	26
	Electrical Installation & Maintenance	23
	Electronic Product Assembly & Servicing	26
	Computer Systems Services	19
	Technical Drafting	32
	Bread and Pastry	37
	Agri-Crops Production	121
	Poultry Production	56
	Masonry	1
	Organic Agriculture Production	13
	Rice Machinery Operation	255
	Driving	42
	Animal Production	15
	Electronic Products Assembly and Servicing	7
NC III	Bookkeeping	13
<b>TOTAL</b>		<b>1,363</b>

CAMPUS	ASSESSMENT CENTERS
ANDREWS	Food and Beverage NC II, Housekeeping NC II, Front Office NC II, Bookkeeping NC III
APARRI	Aquaculture NC II, Food and Beverage Services NC II, Bookkeeping NC III
GONZAGA	Bookkeeping NC III, Grains Production NC II, Agricultural Crops Production NC I, Agricultural Crops Production NC II, Agricultural Crops Production NC III, Agro-Entrepreneurship NC II, Agro-Entrepreneurship NC III, Agro-Entrepreneurship NC IV, Rice Machinery Operations NC II, Bamboo Production NC II
LAL-LO	Agicultural Crops Production NC I, Agicultural Crops Production NC II, Agicultural Crops Production NC III
PIAT	Agricultural Crops Production NC I, Agricultural Crops Production NC II, Agricultural Crops Production NC III, Organic Agriculture Production NC II, Pest Management (Vegetable) NC II, Grains Production NC II, Animal Health Care and Management NC III, Milking Operation NC II, Animal Production (Ruminants) NC II, Computer System Servicing NC II, Drying and Milling Plant Servicing NC III
SANCHEZ MIRA	Agricultural Crops Production NC III, Bookkeeping NC III, Agricultural Crops Production NC II, Organic Agriculture Production NC II
<b>TOTAL</b>	<b>36</b>





Agricultural Crops Production Enrollees



Rice Machineries Operation



Agricultural Crops Production



Rice Machineries  
Operation Graduates



Agro-Entrepreneurship



Agricultural Crops Production



Agricultural Crops Production Graduation



Food and Beverage Graduates



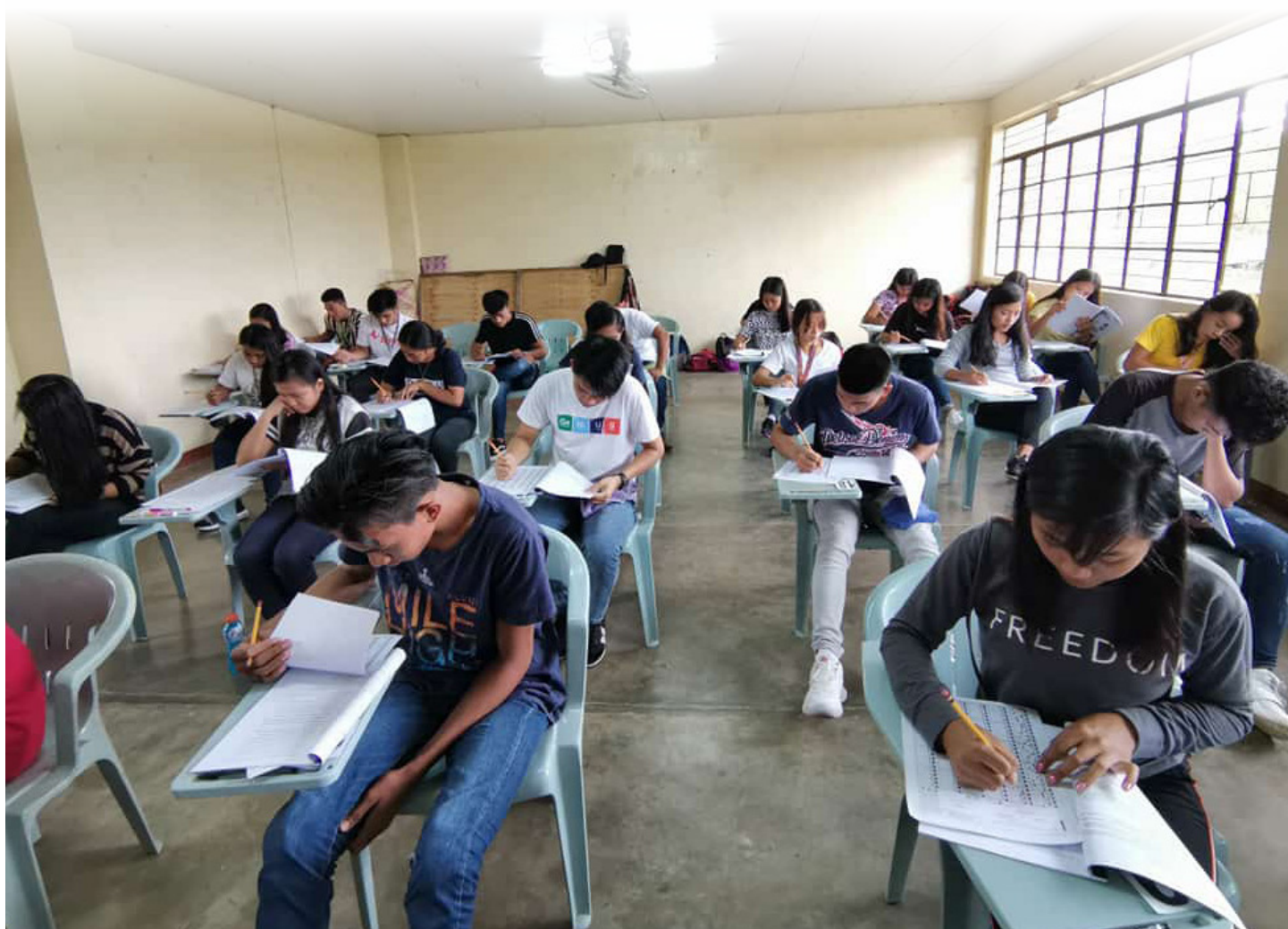
Bamboo Production



## ADMISSION

The Cagayan State University College Admission Test (CAT) had its second run on March 2, 2019 where 13,972 takers took the examination. As a mechanism for admitting qualified students under the Free Tuition Fee Act, the Admission Test was simultaneously conducted in all campuses of the University. As a preparation to the said activity, student-applicants started to register last October 31, 2018 to February 15, 2019. The activity involved all Campus Executive Officers, academic coordinators, campus registrars, faculty members and personnel. The test was machine-scored and the results were

released on May 28, 2020. To make the results easily accessible to the student-applicants, on-line viewing system was done. The certificate of CAT ratings was likewise released in the same week to enable students to enroll early. The 50th percentile rating was set as the cut-off rating for students who intend to enroll in academic programs with board examination. Because the absorptive capacity of each program or campus was considered, a lower percentile rating for non-board courses was set. The table and graphical representation of the results of CAT 2019 are presented below.





## COLLEGE ADMISSION TEST





# Cagayan State University **IRAGA EXTENSION**



Cagayan State University will soon launch and do the groundbreaking of the CSU Iraga-Extension Site at Solana Fresh Water Fisheries School, Iraga Solana, Cagayan. This is the brainchild of Cong. Joseph Lara to serve the remotest students of the 3rd district of Cagayan. This will provide more access to free education.





## LEGENDS:

- A. MAIN GATE
- B. PROPOSED CONSTRUCTION OF ADMINISTRATION BUILDING
- C. PROPOSED CONSTRUCTION OF LIBRARY BUILDING/MUSEUM
- D. PROPOSED CONSTRUCTION OF ACADEMIC BUILDING-A
- E. PROPOSED CONSTRUCTION OF LABORATORY BUILDING-A
- F. PROPOSED CONSTRUCTION OF LABORATORY BUILDING-B
- G. PROPOSED CONSTRUCTION OF ACADEMIC BUILDING-B
- H. PROPOSED CONSTRUCTION OF CANTEEN/FOOD COURT
- I. FOUNTAIN
- J. FIELD
- K. PROPOSED CONSTRUCTION OF GYMNASIUM
- L. PROPOSED CONSTRUCTION OF GIRL'S DORMITORY
- M. PROPOSED CONSTRUCTION OF BOY'S DORMITORY



© CSU-CARIG INFRASTRUCTURE OFFICE





# Research and Development





The Research and Development (R&D) Annual Report presents information on the R&D activities undertaken during Calendar Year 2019. The report provides evidence that Cagayan State University is fulfilling its duty of promoting research in the University and meeting its targets as indicated in the National Expenditure Program (NEP), SUC Levelling and the CSU Medium Term Development Plan 2017 – 2020.

Every research project conducted, either institutionally or externally funded, has a goal to support the research agenda and campus niche programs of the University. These achievements have been quantified across several indicators. CSU is tasked to lead in the conduct of discipline-based, policy-oriented, technology-directed and innovative/creative researches that are aligned with the Harmonized National Research Agenda. The quality of researches has also been given focus by encouraging publications in accredited peer reviewed journal (CHED - accredited, Thomson Reuters and Scopus).

Despite having less budget than the previous year, there is a significant increase in the number of conducted researches due to grants from external funding, General Appropriations Act (GAA) and the Supplemental Budget (SB) from Fund 164 of the University and the continuous capability building program that supported researchers to manage and conduct their researches.



***A scientist at work in the Central Analytical Laboratory.***

## Physical Accomplishment Report

Particulars	UACS CODE	Physical Targets					Physical Accomplishments					Variance	Remarks
		1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>RESEARCH PROGRAM</b> <i>Outcome Indicators</i> 1. Number of research outputs in the last three years utilized by the industry or by other beneficiaries	303000000	1	2	4	6	13	1	2	0	12	15	+2	
<i>Output Indicators</i> 1. Number of research outputs/studies completed within the year		14	23	26	32	95	14	24	34	24	96	+1	
2. Percentage of research outputs published in internationally refereed or CHED recognized journal within the year		10.5% (10/95)	17.89% (17/95)	19.4% (19/95)	23.58% (23/95)	72.63% (69/95)	10.5% (10/95)	17.2% (17/95)	12.63% (12/95)	51.58% (49/95)	92.63% (88/95)	+20.0% (19/95)	

## Research and Development Programs/ Projects Implemented

In 2019, a total of 356 researches (on-going and completed) were conducted using funds from three sources; 53 from External Funds, 169 from General Appropriations Act (Fund 101) and 134 researches from Supplemental Budget (Fund 164). Said researches were anchored along R&D's thematic agenda on Food Security and Safety, Health and Nutrition, Engineering, Industry and Energy, ICT, Environment and Climate Change, Business and Entrepreneurship, Law and Governance, Education and Social Sciences.

Out of the 356 external and institutional researches conducted, 96 were completed and 267 are on-going and will be carried over in 2020. CSU Andrews had the highest number of researches conducted (70), followed by CSU Carig (59), CSU Sanchez Mira (43), CSU Lallo (42), Aparri and CSU Gonzaga (34), CSU Piat (30), NPRIC (23) and the least is CSU Lasam with 21 researches conducted.



## Completed Researches

There were 96 researches completed in 2019, of which, 5 were externally funded, 19 were funded from the GAA and 72 were funded through Fund 164.



## R&D In-house Reviews

Field monitoring, campus visits and meetings were conducted to monitor and evaluate the progress of researches. Campus in-house reviews were also undertaken in addition to the Agency (University) R&D In-house Review.

The Cagayan State University Agency R&D In-house Review (AIHR) was conducted on September 27, 2019 to review and evaluate on-going and completed researches. The panel of evaluators were experts from different agencies:



- Department of Agriculture-RF02
- CSU –Retired Faculty Expert and Consultant
- Quirino State University
- Commission on Higher Education, Region 02
- National Economic and Development Authority-R02
- ATI-San Mateo, Isabela

## Summary of papers presented/evaluated per thematic area

The different sectors/commodity that were tackled during the research presentation include 2 experimental researches on Agriculture, 2 experimental researches on Fisheries, 8 Technological researches on ICT/Industry, Engineering & Energy, 16 experimental researches on Basic Sciences, 10 researches on Social Sciences, 14 researches that are related to Education, 15 Extension researches on Development, 7 technological researches on Product Development, 3 technological researched on Climate Change, and 2 experimental researches on Agri-fishery.

In categories, there were 22 Experimental, 18 Technological, 24 Social Sciences, and 15 Extension researches with a total of 79 research papers presented.





## Winning papers during the CSU In-House Review 2019

CSU's In-House Review 2019 divided the winning categories into 3 divisions: Experimental, Technological, and Socio-Economics. Under the Experimental Category, "Growth Inhibition Potentials of Selected Malauveg on human Colorectal Cancer Line HCT-116" by Dr. Ramelo B. Ramirez, Jr. and Ms. Christelle Mae P. Moreno was chosen as the 1st Best Paper. The 2nd Best Paper was awarded to the research on "Mollugo oppositifolia Linn.(Papait) Herbal Tea(Leaf tea and Powdered tea) and Its Effect Against Alloxan-Induced Hyperglycemic male Sprague Dowley Rats and Powdered Tea" of Ms. Jinky Marie T. Chua, Ms. Jayvee B. Salomon, Ms. Vian Bariuan, Ms.Chasey Mabborang, Ms. Sheile Macanas, and Ms. Kenneth Christian Santiago. The 3rd Best Paper was awarded to the research entitled, "The Antimicrobial Property of Extracted Shells of Agurung(Jagora asperata) on Selected Bacteria" by Reymel B. Magora, Redelyn Gamal, Glynn-Joy Pungtilan, Kristel Marasigan, and Jenny Masocol.

For the Technological strand, "Validation and testing of GIS-based Decision Support System for Municipal Solid Waste Management and Policy Analysis of Urbanizing Communities in Region 02" by Dr. Junel B. Guzman, Dr. Blesila Ramos, and Dr. Eilene Bernardo garnered the 1st Best paper. The 2nd Best Paper was awarded to the research on the "Utilization of Lubeg (*Syzygium* spp.) as Natural Flavorant for Milk and Milk Products" by Macluven T. Gonzales, Vicente S. Binasoy, Jr., and Dr. Angelina T. Gonzales. The 3rd Best Paper was awarded to the research entitled, "Formulated Antifungal Lotion with Methanolic Extracts of Liwliw for Dermatophytic Infections" by Ramelo B. Ramirez, Jr., Christelle Mae P. Moreno, Vea Mariel Barroga, Melissa C. Capili, Angelica C. dela Cruz, and Christian Czar D. Mallillin.

The Socio-economics category hailed the research paper "Proposed LET-Simulated Examinations as Predictive Tool in Passing the LET Examination" by Ms. Maricel Dayag, Mr. Bryan Nozaleda, Mr. Robin Darwin Tuliao, and Dr. Chita Ramos as the 1st Best paper. The 2nd Best Paper was awarded to the research on the "Work Values of Private and Public Secondary School Teachers at Piat, Tuao and Sto. Nino District" by Ms. Catherine Allayban and Dr. Babylyn Canceran. The 3rd Best Paper was awarded to the research entitled, "Tracer Study of the Graduates of Education Qou Vadis? Graduates of Bachelor of Secondary Education" by Dr.Catherine B. Caranguian, Dr. Remedios Agsawa, Dr. Antonio I. Tamayao, Dr. Cynthia B. Julian, and Dr. Marie Claudette M. Calanoga.



## FACULTY AWARDS

Cagayan State University is home to committed faculty members that share in the mission of the University in producing quality and relevant researches for the community. This is seen in the outstanding recognition of faculty members for their researches in both the international and regional arena.

The research entitled, “LUBEG (Philippine Cherry), *Syzyguim (Roxb.)* (DC) Merr & Perry: Its Taxonomic and Molecular Identification” by Nenette T. Columna won Best in Abstract and Best in Oral Presentation during the 3rd International Conference on Interdisciplinary Research in Higher Education (ICIRHE 2019) at Renaissance Kuala Lumpur Hotel, Kuala Lumpur, Malaysia last July 18- 20, 2019

Moreover, two research papers of the University also won during the CVAARRD 29th Regional Symposium on R&D/E Highlights at DA-CVRC San Felipe, Ilagan, Isabela last November 12-13, 2019. The research on “*Ficus septica* Burn f. (Moraceae): Its Antifungal Action on *Aspergillus flavus* and *Aspergillus flavus niger* and Cytotoxicity on Human Colorectal Cancer Cells (HCT-116)” by Ramelo B. Ramirez, Jr. received the 2nd Place for Best in Oral Presentation (research category). On the other hand, the research on “Collaborators & Participators & Cacao Processing Program” by Dolores C. Quebral, Bernard P. Madarang, Dominador Agatep, Janilete Cortez, and Gilbert Magulod Jr. garnered 3rd Place for Best Oral Presentation.



**Dr. Nenette T. Columna during the presentation of her paper at Kuala Lumpur, Malaysia**



**Dr. Bernard P. Madarang, Dr. Dlores C. Quebral, Dr. Florante Victor M. Balatico, and Dr. Janilete Cortez**



## STUDENTS ACTIVELY PARTICIPATED IN RESEARCH

To recognize the enthusiasm of students in research, Cagayan State University conducted Search for Best Undergraduate Theses to recognize and award undergraduate students where 49 participated in Experimental, Technological and Social/Economics with meritorious research works which will pave way to the selection of undergraduate theses that are worth publishing. It also fosters competition among undergraduate student researchers and thesis advisers to undertake more quality researches. Panel of evaluators came from the different agencies such as the following:

- Commission on Higher Education, Region 02
- Department of Agriculture, R02
- Bureau of Fisheries and Aquatic Resources, R02
- Department of Science and Technology, R02
- National Economic Development Authority, R02



### Papers during the search for best undergraduate thesis

Category	Title of the Thesis	Author/s	Campus
<b>Experimental</b>			
Ist Best Paper	Development of Fiber Board from Banana( <i>Musa sapientum</i> ) Stalk Fiber/ Adviser: Engr. Jennifer D. Rabanera	Matthew Miguel H. Custodio Rayvin G. Sarenas Reachel M. Tambasacan	CSU Carig
<b>Technological</b>			
Ist Best paper	Design, Fabrication and Performance of an Implement-Type Soil Finisher/ Adviser: Engr. Marvin D. Adorio	Merlyn A. Barrientos	CSU Sanchez Mira
<b>Social Science Research /Socio-economics</b>			
Ist Best Paper	Assessment of Air Pollutant Emissions and Energy Use in Electricity Cogeneration Associated with Sugar Production Using G.R.E.E.T. Model/ Adviser: Engr. Caesar P. Llapitan	King Rhomer C. Acorda Angelica Joyce Z. Benito Redfield M. Donato Jaige Mary Leonila V. Liquigan Edrickson C. Remigio Lea B. Ventula	CSU Carig





## Technology Commercialization /Utilized by Other Beneficiaries

A total of 15 technologies were adopted/transferred/utilized by other beneficiaries from the research outputs to target adopters. These research outputs were continuously commercialized until the end of 2019.

- Vulnerability Maps of Agricultural production Areas of Amulung
- Suitability Maps of Banana
- Suitability Maps of Garlic
- Suitability Maps of Pineapple
- Suitability Maps of Peanut
- Suitability Maps of Coffee
- Vulnerability Maps of Fishery Areas of Amulung
- Flood Vulnerability Maps of Population
- Flood Vulnerability Maps of Natural Resources Based Production Areas
- Flood Vulnerability Maps of Urban Use Areas
- Flood Vulnerability Maps of Lifeline Utilities
- Flood Vulnerability Maps of Critical Point Facilities
- Peanut Sheller-Sorter
- Yoghurt Lubeg Flavor
- Crayon Recycling Device



### Number of research outputs published, CY 2019

Refereed International Journal	CHED accredited Journals	TOTAL
<b>82</b>	<b>6</b>	<b>88</b>

### Number of Research Articles Cited by Other Researchers in Refereed Journal Articles

Number of Publication cited	Total Number of Citations in articles published by other researchers in refereed international or CHED-Accredited journal in the Past Three Years		Grand Total
	International Journal	CHED Accredited Journal	
<b>23</b>	<b>71</b>	<b>2</b>	<b>73</b>

### Number of patents, utility models and copyrights registration & deposit/applications, CY 2019

Utility Model	Industrial Design	Copyrights	TOTAL
<b>50</b>	<b>2</b>	<b>20</b>	<b>72</b>

### Number of seminars, training, workshops, fora & meetings attended, CY 2019

International	National	Regional	Local	TOTAL
<b>19</b>	<b>29</b>	<b>13</b>	<b>66</b>	<b>127</b>

## R&D Partnership Developed /Established

Linkages and alliances are important to generate funding or grants for the University. The University R&D also entered into several Memoranda of Agreement and Understanding with other government agencies, NGOs and other SUCs locally, nationally and internationally for the conduct of a number of research and development activities as well as the provisions of technical assistance.

The CSU R&D has been in collaboration with partner Universities such as UP Los Baños, UP Visayas and UP Mindanao in the conduct of researches in the University.





**List of Research Partnership and Linkages C.Y. 2019**

Name of Agency	Nature of Partnership	Name of Research Projects/ Activity
DOST	Research Grant	CESTEPPH
DOST	Research Grant	Development of Powdered Santol Sinigang Mix
DOST	Research Grant	Commercialization of Coco-Based Cottage Cheese
DOST	Research Grant	Efficacy Testing of the Coco Peat-Based Soil Conditioner with Leafy Vegetables Test Crops
DOST	Research Grant	Sensory Acceptability and Physico-Chemical Properties of Coconut Flour in Processing Embotido
DOST	Research Grant	Organoleptic and Physico-Chemical Evaluation of Oyster Mushroom Fortified Ice Cream
DOST	Research Grant	Acceptability of Catmon Marinade Mix for Grilled Dishes
DOST – PCIEERD	Research Grant	Development of Food Product from DOST Developed Food Processing Equipment Utilizing Cagayan Valley Local Resources (Development and Evaluation of Shelf-Stable Ready to Eat Carabao Bittew Stew or Papaitan in Pouch
DOST- GIA	Research Grant	Fabrication of the HITS Equipment Water Retort, Vacuum Fryer and Cabinet Dryer
DOST- PCAARRD	Research Grant	Pilot Testing of Peanut Postharvest Mechanization and Bulk Storage Technologies in Selected Regions in the Philippines
DOST – PCIEERD	Research Grant	Cagayan Valley Innovation and Product Development (Phase 3)
DOST Region 2-GIA	Research Grant	Utilization of Lubeg (Syzygium spp.) as Natural Flavorant for Milk and Milk Products
DOST-GIA	Research Grant	E-trike Installation and Stability Research

DOST-PCAARRD	Technical assistance and Funding	Eel Project and Hatchery-Rehab
DOST-PCAARRD	Research Grant	Rehabilitation and Upgrading of the Multi-species Hatchery
DOST-PCIEERD	Research Grant	E-TRIKE: Deployment and Utilization Study
DOST-PCHRDC	Research Grant	Risk Assessment of Common Health Problems in Core Shelters of Tuguegarao City
Asian Development Bank	Research Grant	Apayao, Abulug River Basin Community Based Flood Risk Management Project
BAI-DA Manila	Research Grant	Surveillance of Blood Parasites of Naturally Grown Small Ruminants in Selected Province of Region 02
BFAR	Technical Assistance	Eel Project
Commission on Human Rights	Research Consultancy Services	Mandela Rules and the Conduct of Material Conditions of Imprisonment of the Bureau of Jail Management and Penology (BJMP in Region 02: A Comparative Analysis
CSU TLDC	Research Grant	Non-Toxic Bioactive Plant Extracts from Region 02 for Infection and Pain
DA- NOAP	Research Grant	Organic vegetables in School Communities Towards Food safety in Cagayan valley
DA Region 02	Research Grant	Bio efficacy Testing of Indigenous Plant based Biopesticide against Leafhopper (GLH) and Brown Plant hopper (BPH) of rice
DA-BAR	Research Grant	Surveillance and Detection of Microbe Utilizing Molecular Techniques and Associated Thrips Vector on Onion, Garlic and Mango in Luzon



DA-Biotechnology Program Office	Research Grant	Molecular Characterization Of Phytophthora Spp. Causing Cacao (Theobroma Cacao) Pod Rot: Its Incidence, Distribution And Impact On Cacao Growth, Development And Bean Yield Losses In Cagayan Province
DA-RFO 02	Research Grant	Assessment on the Availability, Demand and Production of Different Rice-based Products from Region 02
DA-RFO 02	Source of Fund	Nutritional, Functional and Sensory Properties of Pawa Enhanced with Pigmented Rice
DA-RFO 02	Research Grant	Development of SCAMP (Soil Constraints and Management Package) for Rice Areas in Cagayan
DA-RFO 02	Research Grant	Soil Indigenous Nutrient Supply (INS) Level under Rainfed Lowland Rice Cultivation as Influenced by Tillage and Fallow Management
DENR	Research Grant	Expanded National Greening Program
Department of Public Works and Highways	Utilization of and Technical Assistance	Development of Classy Garden Pot with Avian Eggshell Powder and Tatty-Ragged Towel
Department of Trade and Industry	Conduct of Research	2019 Consumer Awareness Survey in Region 2
Good Fellow Pharma	Source of fund	Community Empowerment through Science and Technology, Education, Environmental Protection and Health
LGU Gonzaga	Source of fund	Bahay Kubo Magiging Bongga-Lo: Promoting Healthy and Satisfactory Lifestyle through Organic Vegetable Production for Community Adoption and Commercialization in Gonzaga

LGU-Gonzaga	Technical assistance	Eel Project
PCIEERD	Research Grant	HEIRIT: DOST-Business Incubation Zone for Novel and Sustainable Enterprise (BIZNEST)
PhilRice	Research Grant	Multi-Purpose Seeding Project
SALIKHA CHED-NCAA	Research Grant	Documentation of Built Heritage in Cagayan Valley
SALIKHA CHED-NCAA	Research Grant	Vernacular and House Construction Methods, Practices, and Beliefs of the Indigenous People (IPs) of Cagayan (Traditional House Construction Methods, Practices, and Beliefs of the Indigenous People (IPs) of Cagayan)
UPLB-DTRI	Research Grant	Assisted Reproduction, Nutrition and Health Interventions for Enhanced Dairy Cattle Productivity and Milk Safety
UP-Mindanao	Collaborator	DNA Barcoding Project
UP-Visayas	Collaborator	Eel Project
CHED	Research Grant	CSU University- wide connectivity, library/research resources, ICT, Managers and Faculty Retraining Program
CHED RO2	Research Grant	Predictors of College Readiness of Senior High School Graduates: Input for Curriculum Alignment, Transition Interventions and Admission Policy
CHED-DARE TO	Research Grant	Disaster Resiliency Mapping for Mission – Critical Infrastructure and Investment of State Universities and Colleges (SUC) in the Philippines









*Awarding of 8 million pesos fund from DENR for the Expanded National Greening Program of CSU-Gonzaga*



*Coco-peat Soil Conditioner made from the grinded coco-coir*



**Number of Faculty Members Identified as Researcher who published or presented at least two research-based papers within the last three years**

PERIOD COVERED	NUMBER OF RESEARCHERS	NUMBER OF PLANTILLA FACULTY MEMBERS	% OF RESEARCHERS TO TOTAL PLANTILLA
FY 2017	14	649	2%
FY 2018	29	699	4%
FY 2019	35	703	5%





# INTERNATIONAL CONFERENCE

on

## *Food and Economic Security and Environmental Sustainability*



Cagayan State University hosted the 1st International Conference on Food and Economic Security and Environmental Sustainability (ICFES). The conference gathered 191 participants from different parts of the Philippines and the globe to exchange ideas on cutting-edge technologies, best practices, and direct policies for productive and environmental-friendly agriculture.

The International Conference is made possible through the partnership with Commission on Higher Education (CHED) and in collaboration with the University of the Philippines Los Baños (UPLB), Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), and Department of Science and Technology (DOST).

The Opening Ceremony took place

last October 16, 2019 at the Claude Andrews Convention Center in Cagayan State University – Andrews Campus. CSU President Urdujah A. Tejada welcomed the guests and participants and highlighted the essence of each of their presence in the conference in paving the way towards Food and Economic Security and Environmental Sustainability. Opening messages were also given by CHED Commissioner Lilian A. De Las Llagas and Dr. Glenn B. Gregorio, the Chair of SEARCA, through Dr. Maria Celeste H. Cadiz.

The keynote speech was delivered by UP Las Baños' Chancellor, Dr. Fernando C. Sanchez which emphasized the need to establish new paradigms for food and agriculture sectors stating that the "problems of tomorrow can't be solved by the ways of the past". Dr. Sanchez said that the challenge is

for our research to be trickled down to fisherfolks and farmers which the research intends to help.

In congruence with the conduct of the International Conference, a ribbon-cutting ceremony also transpired which officially opened an exhibit that features various Cagayano products. The exhibits were displayed at CSU Andrews' Gymnasium.





# PLENARY SPEAKERS



**DR. SUPRIYANTO**

Knowledge and Technology Transfer from Higher Education and Research Institutions to Vocational Technical Schools to Enhance Food Security in Southeast Asian Region



**DR. RHODORA ROMERO-ALDEMITA**

The Current Status of Agricultural Biotechnology Adoption and Regulation in the Region: 2018



**DIR. MELVIN B. CARLOS**

Accomplishments of Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development on the Science and Technology Research for Development



**DR. MUDJEKEEWIS D. SANTOS**

The Status of Large Oceanic Pelagic Species in the Philippines



**DR. JONAR I. YAGO**

Role of Citrus R&D Projects in Revolution of Agriculture 4.0 and Sustainable Agriculture Development in the Philippines

The ICFES Conference officially concluded last October 17, 2019. It successfully gathered participants from different parts of the Philippines and other neighboring countries to start the dialogue on promulgating the conduct of productive and sustainable agriculture. The international participants of the conference include delegates from USA, Canada, Indonesia, Myanmar, Vietnam, and Laos.

The series of plenary sessions and parallel sessions during the conference paved the way for scholars and experts to present their research papers that contribute towards securing food and sustaining the environment. The theme of the papers presented during the parallel sessions include Production Systems, Development & Value Adding,

Production & Protection, and Marketing & Commercialization under the strand of Food and Economic Security. For the Environmental Sustainability, the tackled divisions are Production & Protection and Production Systems.

To cap off the conference, Fr. Ranhilio C. Aquino, Vice President for Administration and Finance, provided the Synthesis and Resolution. Fr. Aquino emphasized that the point of the conference is the right to food where food should be adequate, available, and accessible for every people. He commended the researches that were presented during the conference and said that dissemination of information should be done regularly rather than sporadically.

For his Closing remark, Congressman Joseph Lasam Lara recognized the presence of the participants as he said that it is the most opportune time to start a dialogue about these concerns since these are problems that are currently surfacing, not only in our country but also in other parts of the globe. He further said that the outstanding presentations and active discussions that emanated from the conference are an indicator of the attainment of this purpose.

Other delegates of the conference toured some of the best tourist destinations of Cagayan before they were set to go back to their homes.













# Extension



Community Empowerment  
through Science and Technology,  
Education, Environmental  
Protection and Health

## **NATIONAL** **3rd Best Extension Program**

AFFNR Extension Symposium  
PhileASNet 2019  
Bohol Tropics, Tagbilaran City, Bohol



## **REGIONAL** **3rd Best Extension Program**

"Collaborative and Participatory Cacao Processing Program"  
30th CVAARRD Regional Symposium on Research, Development and Extension Highlights  
held at DA-CVRC, San Felipe, Ilagan City, Isabela



**The University was able to forge 35 active partnerships with LGUs, industries, NGOs, NGAs, SMEs, and other stake-holders as a result of extension activities conducted in 2019. This is significantly higher than the Physical Target of 25.**

**There were also 73 organized and supported extension programs that were consistent with SUCs' mandated and priority programs. This is significantly higher than the Physical Target of 48.**



University President Dr. Urdujah A. Tejada and the Barangay Captain of Langagan, Sanchez Mira, Cagayan, Hon. Johnny Valiente, Jr., signed the Memorandum of Agreement with them is CSU Sanchez Mira's Campus Executive Officer, Dr. Narcitas B. Ouano and one of the barangay councils of Langagan, Mr. Paculguen who served as witness.



A MOA was signed between University President Dr. Urdujah A. Tejada and Hon. Dexter Agatep, the Municipal Mayor of Lasam, Cagayan in the implementation of Research, Development and Extension Projects in the community.



## Institutionally Funded Extension Projects

Program/Project Title	Budget Downloaded
Pangivve (Panguffun ta Kasittolem): Providing Livelihood, Health and Safety towards Self-Sustaining Community	300, 000
Rangtay Ti PANag-DUR-AS	374, 500
Patok na Patok Pangkabuhayan: Cacao-Based Integrated Farming System	300, 000
Collaborative and Participatory Cacao Value Adding Program	300, 000
Changing the Landscape of Dairy Farming into a Sustainable Dairy Business Community towards Agro-Tourism Development	350, 000
Diverse Innovations and Resources Utilization (DIRU): The Kaniyogan Community Booster	300, 000
<b>TOTAL</b>	<b>1,924,500</b>



## Externally Funded Extension Projects

Program/Project Title	Funding Agency	Budget Downloaded
Farm Business School on Vegetables & Pigmented Rice	CHED-NAFES	1,000,000.00
Establishment, Restoration, Maintenance and Protection of Nipa Stands for Bioethanol Production	DENR	8,000,000.00
Rice Machinery Operation and Bookkeeping (TVET)	TESDA RO2	300,000.00
Cacao Processing Program	DOST-RO2	600,000.00
Sustainable Cacao Utilization, Processing and Marketing	DOST-RO2	350,000.00
Mobilization & New Farming Techniques	ATI-R02	500,000.00
Economic Empowerment of Malaueg Farmers For sustainable Development through Poultry Production in Rizal, Cagayan	ATI-R02	100,000 downloaded 2019
<b>TOTAL</b>		<b>10,850,000</b>





# Trainings Conducted

	Physical Target	Accomplishment
<b>TOTAL</b>	<b>255</b>	<b>226</b>



Seminar-Training on Miniature Beads Crafting



Training on Cacao Tableya making

## Adopters

	Target	2019 Adopters
<b>TOTAL</b>	<b>23</b>	<b>48</b>

## Viable Demonstration Projects

	Target	Accomplishment
<b>TOTAL</b>	<b>8</b>	<b>7</b>



One Barangay, One Livelihood Project Skills Training on Aquasilviculture



Community-based Technology Demonstration on Pineapple Production Sites





# Administration & Finance and Governance

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# STATEMENT OF ALLOTMENT, OBLIGATIONS, AND DISBURSEMENTS

## Regular Agency Fund

PARTICULARS	BUDGET	OBLIGATION	DISBURSEMENT	BUR- OBLIGATIONS	BUR- DISBURSEMENT
PS	581,907,250	581,564,319	581,306,669	99.94%	99.96%
MOOE	77,546,471	77,536,530	77,532,858	99.99%	100%
CO	97,987,000	94,117,017	32,819,534	96.05%	34.87%
<b>TOTAL</b>	<b>757,440,721</b>	<b>753,217,866</b>	<b>691,659,061</b>	<b>99.44%</b>	<b>91.83%</b>





# STATEMENT OF APPROVED BUDGET, UTILIZATIONS, AND DISBURSEMENTS

## Internally Generated Income

PARTICULARS	BUDGET	UTILIZATION	DISBURSEMENT	BUR- OBLIGATIONS	BUR- DISBURSEMENT
MOOE	212,306,591	193,615,838	185,999,293	91.20%	96.07%
CO	106,927,830	55,966,486	29,043,443	52.34%	51.89%
<b>TOTAL</b>	<b>319,234,422</b>	<b>249,582,323</b>	<b>215,042,736</b>	<b>78.18%</b>	<b>86.16%</b>





## CREATION OF TWO UNIVERSITY BIDS AND AWARDS COMMITTEES

President Tejada created two Bids and Awards Committees while strengthening the BAC Secretariat Office. All BAC Members have been sent for seminars on the Procurement Law, Republic Act No. 9841. Each campus has its own Bids and Awards Committee, but a limit of PHP 4 Million Pesos has been set on what the Campus BACs may deal with.

We coped with the fiscal difficulty visited on us by long delays in the UNIFAST remittances under Republic Act No. 10931, and we had to operate by scraping the bottom of the barrel of Fund 01, or the General Fund. When UNIFAST remittances came in, we replenished what could be replenished. Meanwhile our burse for Fund 07 has tremendously increased.

To cope with the ever-increasing number of transactions requiring BAC

action under Republic Act No. 9184 and in order to comply with the Early Procurement Activity required by DBM under the same law, I created two Bids and Awards Committees: BAC 1 handles contracts having to do with building constructions; BAC 2 deals with the purchase and acquisition of supplies, equipment and transactions for improvements.

All the members of BAC 1 and BAC 2 together with a strengthened BAC Secretariat have taken the course required by the Government Procurement Policy Board (GPPB) on procurements under R.A. 9184. As a result, for the past three years there have been NO Audit Observation Memoranda, or Notices of Suspension or Disallowance arising from transactions of the Bids and Awards committees of the university during the period of my incumbency.





## INCREASED COMPENSATION OF PROVIDERS UNDER CONTRACTS OF SERVICE (COS)

PARTICULARS	2016	2017	2018	2019	% increase
COS with Eligibility/ies	440	484	532	600	73
COS with Non-eligible	400	400	499	560	71
Laborers (Skilled)	400	400	499	600	67
Laborers (Non-skilled)	375	375	475	560	67
Utility	375	453	468	550	68
Security Guards	400	484	499	580	69



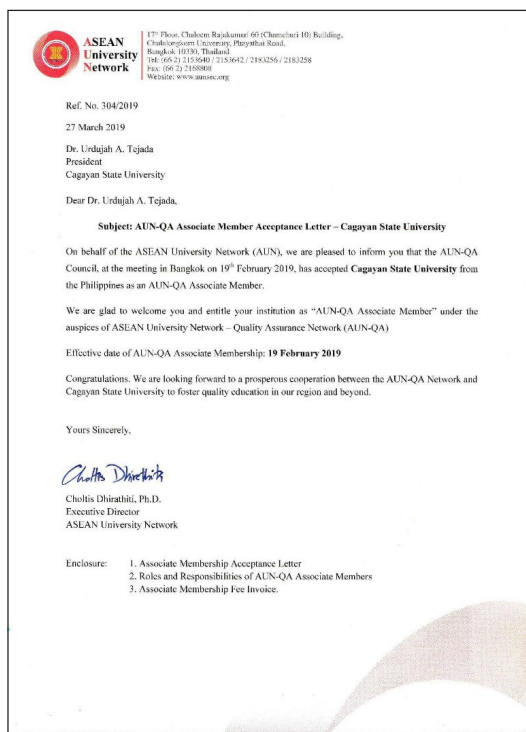
## CANDIDACY FOR LEVEL 2 ACCREDITATION BY CSC PRIME



The Civil Service Commission, Field Office for Cagayan and Batanes invited the Cagayan State University to participate in the Civil Service Promotion of Meritocracy and Excellence in Human Resource Management (CSC PRIME HRM). We then hosted a seminar for all SUCs of Region 02. We are to be visited on January 21 by the evaluation and verification team and if we pass, Level 2 accreditation will exempt us from the requirement of submitting all documents of appointment and personnel actions to the Civil Service Commission for approval.

It also requires that the Strategic Performance Management System (SPMS) of the university be fully in place. We have fulfilled 100% of all requirements for Level 2, but we are targeting in future years, Levels 4 and 5.

## CSU officially became an associate member of the ASEAN University Network







We have targeted not only domestic and local distinction. Our vision is to be a university with global standing. For this reason, we are participating in the CHED-initiated Institutional Sustainability Assessment and the Quacquarelli-Symonds Stars (QS Stars) rating system, and we thank CHED for having enrolled us in this system. In 2019, we became Associate Members of the ASEAN University Network – Quality Assurance system (AUN-QA), and this year we shall be submitting our proposed programs for ASEAN accreditation.

## FREEDOM OF INFORMATION COMPLIANT



## ISO 9001:2015 COLLEGE OF TEACHER EDUCATION



Aside from CSC Prime, we have also subjected our programs for accreditation by the AACUP. Of the 91 academic programs, 6 are Level III-Phase 2 accredited which we are preparing right now as Center of Development or Center of Excellent status; 9 with Level III-Phase I status, the others are applying for Levels III and II. Last November 2019, we have also been granted Certificate Maintenance by ISO for our College of Teacher Education in CSU-Andrews.



# 2019 INFRASTRUCTURE

## ANDREWS CAMPUS



COMPLETION OF MULTI-PURPOSE  
GYMNASIUM



4-STOREY CHIM BUILDING/  
CSU HOTEL



CLAUDE ANDREWS CONVENTION CENTER

## APARRI CAMPUS



COMPLETION OF MULTI-PURPOSE  
GYMNASIUM (GYMPLEX)



EXPANSION PLAN OF MULTI-SPECIES  
HATCHERY



## CARIG CAMPUS



**METALS ENGINEERING AND INNOVATION  
RESEARCH AND DEVELOPMENT CENTER**



**CONSTRUCTION OF SECOND FLOOR  
COLLEGE OF ARTS & SCIENCES BUILDING A**



**CONSTRUCTION OF SECOND FLOOR  
COLLEGE OF PUBLIC ADMINISTRATION BUILDING C**



**CONSTRUCTION OF TWO-STOREY  
INFORMATION TECHNOLOGY COMPLEX**



**CONSTRUCTION OF TWO STOREY  
COLLEGE OF VETERINARY BUILDING**



**CONSTRUCTION OF LABORATORY  
ANIMAL FACILITY**



**CONSTRUCTION OF SECOND FLOOR  
COLLEGE OF ENGINEERING BUILDING-A**



## GONZAGA CAMPUS



ACADEMIC AND LABORATORY BUILDING  
(CICS)



ACADEMIC AND LABORATORY BUILDING  
(CHM)

## LASAM CAMPUS



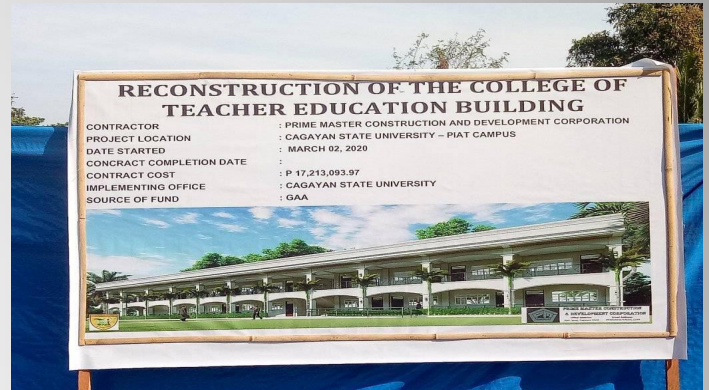
TWO-STOREY ACADEMIC AND LABORATORY BUILDING



## PIAT CAMPUS



COLLEGE OF AGRICULTURE BUILDING



REHABILITATION OF  
TEACHER EDUCATION BUILDING

## SANCHEZ MIRA CAMPUS



FARMERS TRAINING CENTER

# Partnership and Resource Mobilization

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# *Memorandum of* **UNDERSTANDING/ AGREEMENT** (Signed)

## **1. St. Mary's University, Canada**

- Exchange of academic and administrative staff
- Exchange of qualified visiting students in the other's academic programs
- Collaboration on research projects and publications
- Short- term academic programs
- Collaboration on externally-funded technical assistance projects
- Promotion of other co-operation as mutually agreed

## **2. Ming Chuan University, Taiwan**

- Exchange of academic and administrative staff
- Exchange of qualified visiting students in the other's academic programs
- Collaboration on research projects and publications
- Short- term academic programs
- Collaboration on externally-funded technical assistance projects
- Promotion of other co-operation as mutually agreed

## **3. Yuan Ze University, Taiwan**

- Collaboration of faculty and staff for research, lectures, discussions and other academic pursuits
- Reciprocal exchange of undergraduate or graduate students for study and research
- Exchange of published information
- Collaborative educational or training programs

## **4. Philippine Economic Zone Authority**



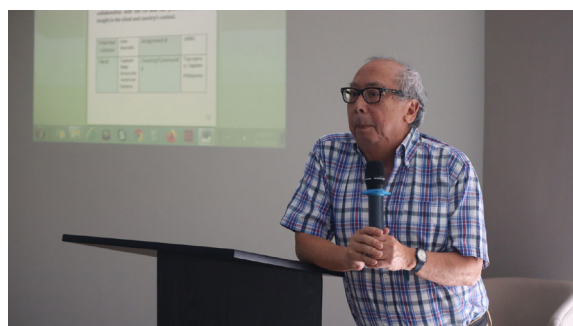


# Canadian Executive Service Organization



**Mr. Paul Mbatya**

*Technical Assistance to Improve Dairy Production, Processing and Marketing*



**Mr. Alex Buenafe**

*Technical Assistance and Training on Hotel Operation and Management*



**Ms. Marni McVicar**

*Technical Assistance in the Design and Fabrication of E-trike*



**Mr. Peter Keating**

*Training and Technical Assistance on Product Development for Stingless Bee Propolis*



**Mr. Kevin Quinlan**

*Technical Assistance and Facilitate Discussion on the Pros and Cons of Online and/or Blended Learning*





**US Peace  
Corps**



**Ms. Abby Lynn Winkler Crowley**  
*Educational/Assessment Program*



**Mr. George Thomas Williams**  
*Species Biodiversity Of Phil. Eel (Anguilla Spp)  
in Northern Cagayan Estuaries a Precursor for  
Management and Prospect for Sustainable Agriculture*



**Mr. Charles James Reilly III**  
*Design and Development of a  
Comprehensive Land Use Plan Project*



**Mr. Brendan Paul Rosen**  
*Agro-Ecotourism  
Development Program*



# PIAT MAYOR ELECTED AS ALUMNI PRESIDENT



**ATTY. CARMELO O. VILLACETE**  
Municipal Mayor of Piat, Cagayan

He is a proud 1978 high school graduate of the then Northern Luzon State College of Agriculture now CSU Piat Campus. He was born in Peñablanca, Cagayan but his heart is in Piat as he is the town's local chief executive. Before his stint as mayor, much of his time was devoted to being a senior NBI agent, counsel to private corporations and companies, manager of security and investigative agencies, chairman and vice president of associations and farmer's cooperative. He maintains a law office with an associate in Tuguegarao City, where he could be of best help in legal needs, especially to financially incapable locals. He is a staunch supporter of the programs and activities of CSU Piat Campus.

The oath taking of the newly elected President and Vice-President of Federated Alumni Associations of CSU Inc. was conducted at the Office of the University President with Dr. Urdujah A. Tejada as the inducting officer. This significant event was witnessed by some University Officials, Campus Alumni Coordinators and Alumni Association Presidents.





# SEC Registration

Federated Alumni Association of CSU now accredited by DTI.





# ALUMNI NIGHT 2019

CAGAYAN STATE UNIVERSITY  
41<sup>st</sup> FOUNDING ANNIVERSARY

June 11, 2019 | CSU Carig Campus

*Making Dreams Happen*

"... with God showing us the way we shall,  
hand in hand, scale the heights and  
fly CSU's color from the crest of the highest mountain."

- URDUJAH ALVARADO-TEJADA, Ph.D., CESO II  
University President



## CAGAYAN STATE UNIVERSITY “DAYAW TICSU 2019” DISTINGUISHED ALUMNI AWARD RECIPIENTS

CSU 41<sup>st</sup> Founding Anniversary Celebration, June 11 2019, 6:00pm, CSU Carig Campus, Tuguegarao City

### EDUCATION & ACADEME



**DR. MARIVIC A. SOMEJO**  
BACHELOR OF SECONDARY EDUCATION MAJOR IN SOCIAL SCIENCE, 1983  
EDUCATION PROGRAM SUPERVISOR, FIELD TECHNICAL ASSISTANCE DIVISION,  
DEPARTMENT OF EDUCATION REGION 12

### ARTS, CULTURE & SPORTS



**HON. EDNA A. URNOS**  
HIGH SCHOOL, SANCHEZ MIRA FEDERAL EDUCATIONAL SCHOOL, 1982  
PRIVATE SECTOR REPRESENTATIVE, PEOPLE'S LAW ENFORCEMENT BOARD,  
MUNICIPALITY OF SANCHEZ MIRA

### HEALTH & SCIENCE



**DR. HAROLD V. JAMORABON**  
LABORATORY HIGH SCHOOL, 1985  
DOCTOR OF MEDICINE, 2005  
MEDICAL SPECIALIST IN THE NICHOLSON HOSPITAL & TRAINING CENTER

### LAW, POLITICS & GOVERNANCE



**HON. MORSE C. FLORES**  
LABORATORY HIGH SCHOOL, 1985  
HUMAN RIGHTS OFFICER, UNITED NATIONS OFFICE OF THE HIGH  
COMMISSIONER FOR HUMAN RIGHTS (GENEVA, SWITZERLAND)

### ENGINEERING, ARCHITECTURE & TECHNOLOGY



**MR. MICHAEL ANGELO P. BURAC**  
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, 2012  
MATHEMATICS INSTRUCTOR AND RESEARCH COORDINATOR,  
INTERNATIONAL SCHOOL OF ASIA AND THE PACIFIC

### BUSINESS, ENTREPRENEURSHIP & ECONOMICS



**MR. RODERICK C. ABAD**  
LABORATORY HIGH SCHOOL, 1985  
CHIEF ASSESSMENT DIVISION, NATIONAL DIRECTOR'S OFFICE,  
BUREAU OF INTERNAL REVENUE

### FISHERIES & AGRICULTURE



**DR. EUNICE A. LAYUGAN**  
BACHELOR OF SCIENCE IN FORESTRY EDUCATION MAJOR IN AQUACULTURE, 1982  
DEAN, COLLEGE OF FISHERIES  
CAGAYAN STATE UNIVERSITY-APRIL CAMPUS





# Grand Alumni Homecoming



**CSU Lal-lo Campus**



**CSU Lasam Campus**



**CSU Gonzaga Campus**



**CSU Carig Campus**



**CSU Piat Campus**



**CSU Sanchez Mira Campus**



# ALUMNI Projects



Palmira Homestay  
**Sanchez Mira Campus**



Balay Alumni  
**Lal-lo Campus**



College of Engineering  
Alumni Building  
**Carig Campus**



Campus Alumni Building  
**Carig Campus**



Balay Alumnae  
**Piat Campus**



# Employability of Graduates

Percentage of graduates (2 years prior) that are employed  
S.Y. 2016-2017

CAMPUS	No. of Graduates from Registrar's Office (except for Graduate School, College of Medicine and College of Law)	NO. OF SURVEYED GRADUATES	NO. OF EMPLOYED GRADUATES	PERCENTAGE OF EMPLOYABILITY (%)
ANDREWS	1521	989	650	65.72
APARRI	844	844	451	53.43
CARIG	1899	1753	1364	77.81
GONZAGA	295	289	196	67.82
LAL-LO	343	342	255	74.56
LASAM	165	165	119	72.12
PIAT	504	498	363	72.89
SANCHEZ MIRA	799	660	504	76.36
<b>TOTAL</b>	<b>6,370</b>	<b>5,036</b>	<b>3,902</b>	<b>77.48</b>





# Gender and Development





Guided with the overall concept of Gender and Development which is to promote gender equality, empower women, and create an abuse-free environment - the Cagayan State University Gender and Development (CSU GAD) office implemented several Gender Mainstreaming (GM) activities in order to make the university more gender sensitive.

In promoting gender equality, 10 batches of Gender Sensitivity Training (GST) were conducted among 1,231 male and 2,001 female student leaders and 4 batches of GST among 48 male and 55 female faculty members and administrative staff.

With regard to empowering women, 33 growth sessions were conducted among 1,239 male and 2,077 female students. Among which are Career Pathing, Social Intelligence and Intrapersonal

Effectiveness, Self-Awareness and Basic Personal Grooming and Etiquette. In addition, 20 livelihood skills and technology were extended to 576 women in extension communities.

On creating an abuse-free environment, numerous fora and lectures on Anti-Violence Against Women and their Children (VAWC) and Anti-Sexual Harassment and Committee on Decorum Investigation (CODI) were conducted. These were participated by 3,117 male and 5,564 female students. Similarly, the launching of the Anti-Abuse Advocacy Committee (AAAC) was conducted in the different campuses. AAAC aims to assist victims of any kind of violence and to campaign awareness against all forms of abuses.

In terms of compliance of the university with the legal mandates, massive participation of the academic members on the National Women's Month Celebration

(NWMC) and VAWC were observed religiously. Similarly, 17 lactating or breast feeding corners were established and equipped.

Furthermore, other GM activities were also conducted such as Seminar-Workshops on GAD Planning and Budgeting (GPB) among 33 male and 45 female GAD Focal Point System (GFPS) members, Gender-Responsive Curriculum Development among 26 male and 36 female faculty members, Gender Analysis among 30 male and 26 female extensionists, and Gender Responsive Researches Writeshop among 36 male and 46 female faculty researchers by which 8 gender responsive proposals were developed.

CSU was indeed in full blast in achieving its ultimate vision to empower women and men who are free from all types of discrimination.







# THE CSU HOTEL

*your second home*

## ROOMS



**SUITE**



**TWIN**



**DOUBLE**

## OTHER AMENITIES



**CHOCOLATERIA**



**RESTAURANT & BAR**



**CAFE LILLI**



**FUNCTION HALL**



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Caritan Sur, Tuguegarao City, Cagayan Valley Philippines

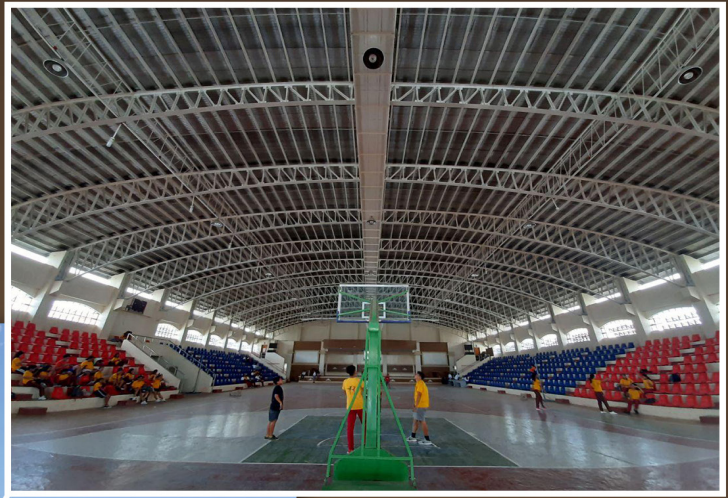
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theccsuhotel@gmail.com





# CSU GYMNASIUM



# CLAUDE ANDREWS CONVENTION CENTER



*We take care of your events!*

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+63 906-489-1418  
johnpaul.gsarmiento091@gmail.com



Cagayan State University - Andrews Campus  
Caritan Sur, Tuguegarao City, Cagayan Valley Philippines



# COURSE OFFERINGS

## ANDREWS

Doctor of Philosophy in Education Major in:

- Educational Management
- Science Education
- English Language Education

Master of Arts in Education

Master of Science in Teaching major in:

- Biology
- Chemistry
- Mathematics
- Physics

Bachelor of Culture and Arts Education major in Music

Bachelor of Laws

Bachelors of Science in Medical Laboratory Science

Bachelor of Science in Respiratory Therapy

Bachelor of Science in Medical Technology

Bachelor of Science in Public Health

Bachelor of Science in Entrepreneurship

Bachelor of Science in Accountancy

Bachelor of Science in Business Administration Major in:

- Financial Administration
- Marketing Management

Bachelor of Science in Legal Management

Bachelor of Science in Accounting Technology

Bachelor of Secondary Education Major in:

- English
- Filipino
- Mathematics
- Science

Bachelor of Technology and Livelihood Education

Bachelor of Early Childhood Education

Bachelor of Elementary Education Major in:

- Generalist
- Pre-school Education

Bachelor of Technical Teacher Education Major in:

- Food Service Management
- Electronics Technology

Bachelor of Science in Hospitality Management

Certificate in Music Education

## LAL-LO

Bachelor of Arts in Political Science

Bachelor of Science in Information Technology

Bachelor of Science in Hospitality Management

Bachelor of Science in Agriculture

Bachelor of Science in Agricultural Technology

Bachelor of Science in Accounting Technology

Bachelor of Early Childhood Education

Bachelor of Elementary Education

Bachelor of Secondary Education

- English
- Filipino
- Mathematics
- Science
- Social Science

Diploma in Agricultural Technology

## APARRI

Doctor of Philosophy in Education Major in Educational Management

Master of Arts in Education Major in:

- Educational Management
- English

Master of Science in Teaching Major in Mathematics

Master in Information Technology

BS in Information Technology

BS in Hospitality Management

Bachelor of Elementary Education

Bachelor of Secondary Education

- English
- Mathematics
- Science

BS in Industrial Technology Major in:

- Automotive Technology
- Electrical Technology
- Electronics Technology

BS in Criminology

BS in Fisheries

BS Accounting and Information System

BS Accounting Technology

## LASAM

Bachelor of Elementary Education major in General Education

Bachelor of Secondary Education major in English

Bachelor of Science in Information Technology

Bachelor of Science in Industrial Technology

Diploma in Industrial Technology

- Applied Electronics
- Food Technology

Diploma in Information Technology

## GONZAGA

Bachelor of Science in Agriculture

Bachelor of Science in Accounting Information System

Bachelor of Science in Accounting Technology

Bachelor of Science in Criminology

Bachelor of Science in Information Technology

Bachelor of Elementary Education

Bachelor of Secondary Education

- English
- Filipino

Bachelor of Hospitality Management

Diploma in Agricultural Technology



# CARIG

Doctor of Medicine  
Doctor of Veterinary Medicine  
Doctor of Philosophy in Psychology  
Doctor of Public Administration  
Master in Public Administration  
Master of Science in Information Technology  
Master of Arts in Psychology  
Master of Arts in Physical Education  
Master of Arts in Guidance and Counseling  
Bachelor of Science in Social Work  
Bachelor of Science in Architecture  
Bachelor of Science in Information Systems  
Bachelor of Science in Information and Learning Resource Management  
Bachelor of Science in Civil Engineering  
Bachelor of Science in Electrical Engineering  
Bachelor of Science in Electronics Engineering  
Bachelor of Science in Chemical Engineering  
Bachelor of Science in Computer Engineering  
Bachelor of Science in Agricultural Engineering  
Bachelor of Science in Agricultural and Bio System Engineering  
Bachelor of Public Administration  
Bachelor of Physical Education  
Bachelor of Science in Exercise and Sports Sciences  
Bachelor of Science in Biology  
Bachelor of Science in Physics  
Bachelor of Science in Chemistry  
Bachelor of Science in Environmental Science  
Bachelor of Science in Mathematics  
Bachelor of Science in Psychology  
Bachelor of Science in Guidance and Counseling  
Bachelor of Arts in Economics  
Bachelor of Arts in Mass Communication  
Bachelor of Arts in Communication  
Bachelor of Arts in Political Science  
Bachelor of Arts in English  
Bachelor of Arts in English Language Studies  
Bachelor of Science in Industrial and Commercial Communication  
Bachelor of Science in Information Technology  
major in Animation & Game Management  
Bachelor of Science in Multimedia Arts  
Bachelor of Science in Computer Science  
Bachelor of Science Industrial Technology  
Certificate in Social Work

# PIAT

Master of Science in Agriculture  
Bachelor of Elementary Education  
Bachelor of Secondary Education major in:  

- English
- Mathematics
- Social Studies

  
Bachelor of Technology and Livelihood Education  
Bachelor of Science in Criminology  
Bachelor of Science in Information Technology  
Bachelor of Science in Agriculture

# SANCHEZ MIRA

Doctor of Philosophy in Education  
Master of Arts in Education  
Master of Science in Teaching  
Master of Information Technology  
Master in Public Administration  
Master in Agriculture  
Bachelor of Science in Agriculture major in:  

- Crop Science
- Animal Science

  
Bachelor of Science in Accounting Information System  
Bachelor of Science in Business Administration  
Bachelor of Science in Psychology  
Bachelor of Science in Criminology  
Bachelor of Science in Agricultural Engineering  
Bachelor of Science in Agricultural and Bio System Engineering  
Bachelor of Science in Hospitality Management  
Bachelor of Science in Information Technology  
Bachelor of Science in Industrial Technology  
Bachelor of Elementary Education  
Bachelor of Secondary Education  

- English
- Mathematics
- Science
- Physical Education, Health, and Music

  
Certificate in Industrial Technology

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