



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY

# ANNUAL REPORT

SY 2020-2021





June 11, 2021

**President Rodrigo Roa Duterte**  
Republic of the Philippines

Through

**Honorable J. Prospero E. De Vera III**  
Chairperson, DMMMSU Board of Regents  
Chairperson, Commission on Higher Education

Dear President Duterte:

I am pleased to submit to you the Annual Report of Don Mariano Marcos Memorial State University for the SY 2020-2021.

This Annual Report contains the highlights of accomplishments of DMMMSU in its mandates namely instruction, research, and extension. It also contains reports on infrastructure and administration, highlighting our being ISO certified.

We vow to continue to do our best to serve various stakeholders in La Union and nearby provinces and contribute in the country's National Development.

Sipupudno,

A handwritten signature in black ink, appearing to read 'JAIME I. MANUEL, JR.'.

**JAIME I. MANUEL, JR.**  
President, DMMMSU

## Instruction

DMMMSU's academic programs are on par with international standards and meet the needs of academic and industrial sectors. Academic programs are compliant with national and international policies, standards, and guidelines. They are also 100% outcomes-based education compliant. In addition, DMMMSU houses 5 Programs which are Centers of Development, 2 Provincial Institutes, 2 TESDA Recognized Assessment Centers namely NC II for Welding (BSEMT) and Bread and Pastry (BSIT), and Organic Agriculture Training Center of the College of Agriculture.

Because of the commitment and hardwork of the administration and the faculty members in accreditation activities, DMMMSU was hailed as Top 1 in the Highest Number of Level IV Accredited Programs in 2020, Top 2 in the Highest Number of Level IV Accredited Programs in 2019, and Top 3 in the Highest Number of Level III Accredited Programs in 2020.

Furthermore, DMMMSU is accredited by the Bureau of Immigration to accept foreign students (AAFS Number 06-154). However, internationalization during the pandemic is temporarily under moratorium; hence, Student Internship Abroad Program has been put on hold for this school year, in the same way that we cannot also accommodate faculty members and students under exchange program.

DMMMSU's primary and most significant area of initiatives during this pandemic is the implementation of technological solutions for teaching continuity. Basically, attention has been focused on making available to the learners their learning contents via modules, and the technological mechanisms and resources for holding synchronous and asynchronous online classes.

DMMMSU is assured of continuity of the teaching activity as the faculty members are competent enough to cope with the demands of virtual environments which is highly complex. To ensure that their competence is sustained, and that they are upskilled, a series of webinars and online trainings are continuously being conducted for them.

## 4

DMMMSU has responded to COVID-19 with important structural changes in policy and procedure. Key to that response has been collaboration across campuses and operating units, paired with a shared commitment to sustainable equity. Given the abrupt shift to flexible learning, the institution adhered to holistic teaching assessments.

Due to the absence of a virtual campus or a unified learning management system, most teachers use different available academic tools such as UBL Cloud, Edmodo, Google Classroom, Google Meet, and Zoom as platforms to enrich their lessons while others utilize generic technology-assisted platforms such as emails, and video calls.

DMMMSU is a powerhouse of 904 Faculty Members who are capable of delivering quality content through effective platforms and pedagogies.

From the GAA-FUND, DMMMSU is utilizing 12.4 million pesos for numerous faculty and staff development trainings which will be implemented until November this year.

DMMMSU supports faculty members and nonteaching personnel and sends them for scholarships. Currently, DMMMSU has 8 scholars under Faculty and Staff Development.

## Research

DMMMSU continues to improve research production and publication. In order to increase research productivity, and raise research quality and impact, cash incentives were increased as approved by the Board of Regents last year. This was implemented immediately.

As proof of its implementation, we spent the total amount of Php1,989,103.44 for cash and laptop incentives.

Also, we were able to acquire TURNITIN PLAGIARISM AND GRAMMAR CHECKER and IBM-Statistical Products and Service Solutions (BASIC version 27.0 AND AMOS).

We also have commendable work in outsourcing funds. As a result, we were granted the total amount of Php 31,670,842.20.

With 27 percent of faculty and staff involved in research, we have a total of 141 ongoing researchers and 18 completed researches.

In addition, we have 16 publications in WoS, Scopus, Science Direct Indexed Journals and CHED Accredited Journals, 101 paper presentations in local, national, and international fora/conferences, and 6 copyrighted creative works.

And as a manifestation of the quality and relevance of the researches we produce, we have 44 citations in WOS, Scopus, and CHED-Accredited journals.

As for IP registration, we have a total of 72 registrations, 11 of which are utility models, 41 filed utility models, and 20 filed copyrights and industrial designs.

Because of the number of utility models we registered, we were recognized by DOST-PCAARRD as the 2020 Top Intellectual Property Filer in the Philippines for Utility Models by Intellectual Property Office Philippines.

With the help of our DOST-PCAARRD IP MASTER CLASS GRADUATES, ENGR. RUBELYN V. DELFIN and ENGR. ROWEL M. MUNAR, we hope to increase these number of registrations.

## Extension

The COVID-19 pandemic may have limited movement and transportation to carry out extension projects and community outreaches but it has not completely hindered the University from delivering services.

Because of the undaunted spirits of DMMMSU employees, we were able to serve 42, 388 clients through our Kapihan sa DMMMSU initiated by DOUS which is aired online.

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## Infrastructure

For FY 2020, we received Php1, 129, 836, 000. 00 from the General Appropriations Act. Php 334, 125, 000. 00 of which was utilized for Capital Outlay.

**97**

## Administration

DMMMSU is now ISO Certified. On November 17 to 19, 2020, DMMMSU underwent Stage 2 Certification Audit which was conducted virtually by Shahid Mushtaq (Lead Auditor), and Eugene Librado and Rex Villaverde (Auditors) of ACS W3 Solutionz in accordance with the requirements of ISO 9001:2015 standards. The audit scope is the provision of instruction, research, extension, and support services. Overall, 24 processes were audited. The whole University went rejoicing upon hearing Shahid Mushtaq's declaration that DMMMSU passed the Stage 2 Certification Audit, making November 19, 2020 a historic day for DMMMSU.

**106**

## Board of Regents

**115**

## University Officials

**116**

## DMMMSU Hymn

**117**

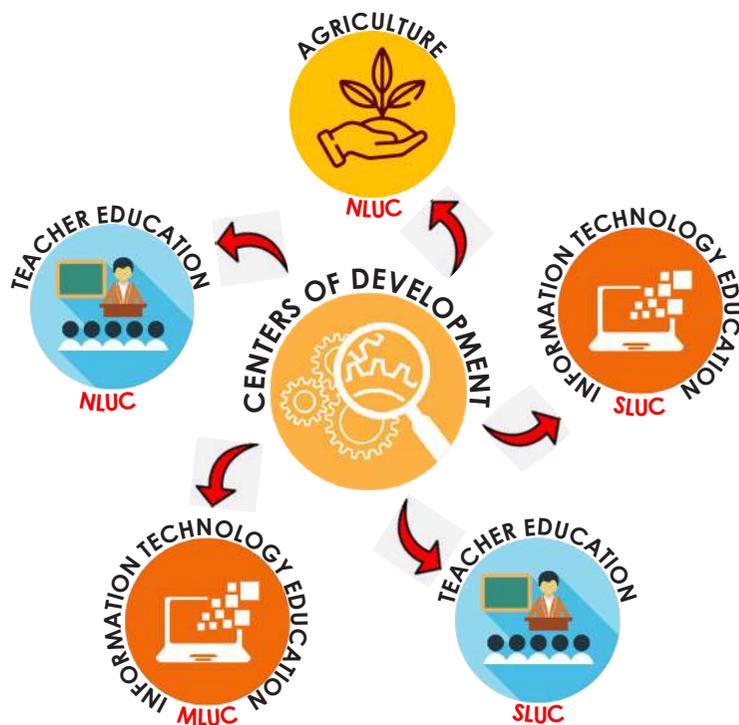
DMMSU's academic programs are on par with international standards and meet the needs of academic and industrial sectors.



- Academic programs are compliant with national and international policies, standards, and guidelines.
- Undergraduate and graduate programs are 100% outcomes-based education compliant.

- DMMSU houses 5 Programs which are Centers of Development

- DMMSU also keeps 2 Provincial Institutes



NLUC

AGRICULTURE



SLUC

FISHERIES

- DMMSU houses TESDA Recognized Assessment Center for NC II for Welding (BSEMT) and Bread and Pastry (BSIT) of the College of Technology, MLUC.
- DMMSU houses Organic Agriculture Training Center of the College of Agriculture, NLUC.

The table below shows the Distribution of Curricular Programs by Academic Unit

Campus/Unit	Academic Units	Doctorate	Master's	Baccaluareate	Certificate/ Diploma	Total
NLUC	10	5	11	15		31
MLUC	9	4	5	21		30
SLUC	7	3	13	19	2	37
OUS	1	1	2	3	6	12
<b>Total</b>	<b>27</b>	<b>13</b>	<b>31</b>	<b>58</b>	<b>8</b>	<b>110</b>

As a manifestation of DMMMSU's commitment to ensuring quality in its program offerings, 89% of its accreditable programs have already been accredited by AACCU. To date, 23 of its programs are Level III Re-accredited and 14 are Level IV Re-accredited.

The matrix below shows the summary of accredited programs and their status (as of March 8, 2021)

Campus/Unit	No. of Programs	No. of Accreditable Programs	Candidate	Level I Accredited	Level II Accredited	Level III Accredited	Level IV Accredited	Total Accredited Programs
NLUC	31	24	4	7	4	5	3	23
MLUC	30	28	4	3	5	12	3	27
SLUC	65	26	3	1	7	6	8	25
OUS	6	6	-	-	-	-	-	
<b>Total</b>	<b>102</b>	<b>84</b>	<b>11</b>	<b>11</b>	<b>16</b>	<b>23</b>	<b>14</b>	<b>75(89%)</b>

The matrix below shows the 14 Programs with Level IV Reaccredited Status.

Program	Campus
BS Agribusiness Management Majors: <ul style="list-style-type: none"> <li>• Entrepreneurship</li> <li>• Cooperatives</li> </ul>	North La Union Campus
Bachelor of Elementary Education Major: <ul style="list-style-type: none"> <li>• General Education</li> </ul>	North La Union Campus
BS Agroforestry Major: <ul style="list-style-type: none"> <li>• Watershed Management</li> </ul>	North La Union Campus
PhD in Technological Education Management	Mid-La Union Campus
MA Technology Education Majors: <ul style="list-style-type: none"> <li>• Technical-Vocational Schools Management</li> <li>• Technology Areas</li> <li>• Teknolohiya at Edukasyong Pantahanan at Pangkabuhayan</li> </ul>	Mid-La Union Campus
BS Industrial Technology	Mid-La Union Campus
PhD in Science Education	South La Union Campus
MA Guidance and Counselling	South La Union Campus
MA Science Education	South La Union Campus
MA Math Education	South La Union Campus
MA Teaching Music	South La Union Campus
BS Biology	South La Union Campus
BS Mathematics	South La Union Campus
BS Computer Science (Straight)	South La Union Campus

Because of the commitment and hard work of the administration and the faculty members in accreditation activities, DMMSU was hailed as:

- Top 1 in the Highest Number of Level IV Accredited Programs in 2020,
- Top 2 in the Highest Number of Level IV Accredited Programs in 2019, and
- Top 3 in the Highest Number of Level III Accredited Programs in 2020.





DMMSU powerhouse composed of the University President, Dr. Jaime Ipac Manuel, Jr. ; VP for Academic Affairs, Dr. Honorio C. Buccat; VP for Administration, Dr. Estrella N. Perez; VP for Research and Extension, Dr. Cynthia M. Rodriguez; and VP for Planning and Resource Development, Dr. Priscilo P. Fontanilla, Jr. ; Campus Chancellors namely Dr. Junifer Rey E. Tabafunda, Dr. Eduardo C. Corpuz, and Dr. Nona M. Rivera; Director for Instruction, Dr. Elsie M. Pacho; and Director for Quality Assurance, Dr. Angelita J. Prado visited the AACCUP Office based in Quezon City on March 15, 2021 to receive in person the University's awards namely Top 1 in the Highest Number of Level IV Accredited Programs in 2020, Top 2 in the Highest Number of Level IV Accredited Programs in 2019, and Top 3 in the Highest Number of Level III Accredited Programs in 2020.



DMMSU keeps working hard for Academic Program Accreditation. It continues to offer its programs for accreditation by AACUP.

## NORTH LA UNION CAMPUS PRELIMINARY SURVEY VISIT November 9-13, 2020



Bachelor of Arts  
in English Language

MS in Agroforestry

MA in Educational Management

MS in Agribusiness Management



## MID LA UNION CAMPUS PRELIMINARY SURVEY VISIT November 9-13, 2020

MS in Agroforestry

MA in Educational Management

MS in Agribusiness Management



## SOUTH LA UNION CAMPUS PRELIMINARY SURVEY VISIT November 9-13, 2020



Bachelor of Arts in English Language  
Batsilyer ng Sining sa Filipino  
Master of Science in Biology



ACCREDITATION VISIT

SOUTH LA UNION CAMPUS  
FOURTH SURVEY VISIT  
PHASE 2

(DECEMBER 14 -16, 2020)

- MA in Guidance and Counseling
- MA in Language Teaching
- MA in Mathematics Education
- MA in Science Education
- MA in Special Education
- MA in Teaching Music



## ONLINE AACUP ACCREDITATION LEVEL IV SURVEY VISIT (PHASE I)

NORTH LA UNION CAMPUS  
DECEMBER 14-18, 2020



BS Environmental Science



BS Information Systems



BS Agroforestry  
(Cycle 2)



BS Agribusiness Management  
(Cycle 2)



## MID LA UNION CAMPUS

DECEMBER 14-18, 2020

### ACCREDITATION VISIT LEVEL IV

#### SUSTAINABILITY ASSESSMENT

Bachelor of Science in Industrial Technology

#### FOURTH SURVEY VISIT PHASE I

Bachelor of Science in Information Technology

Bachelor of Arts in Political Science

Bachelor of Science in Hotel  
and Restaurant Management

Bachelor of Science in Business Administration

Bachelor of Elementary Education



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DMMSU is a powerhouse of 904 Faculty Members who are capable of delivering quality content through effective platforms and pedagogies.

Faculty Profile by Academic Rank

Campus/Unit	Professor	Associate Professor	Assistant Professor	Instructor	Total
CA	3				3
NLUC	15	34	27	138	214
MLUC	33	67	81	192	373
SLUC	16	41	71	170	298
OUS	1	5	7	3	16
Total	68	147	186	503	904

Faculty Profile by Educational Attainment

Campus/Unit	Doctorate	Masters	Baccalaureate	Total
CA	3			3
NLUC	49	83	82	214
MLUC	68	181	124	373
SLUC	56	125	117	298
OUS	9	7	0	16
Total	185	396	323	904

All Faculty Members have participated in trainings on Flexible Learning.

The table below shows the numerous trainings conducted for and participated in by Faculty Members and support Staff. Their trainings are funded from GAA-Fund. Other trainings are yet to be implemented this year.

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
Administrative Development for SLUC Front-line Supervisors	Estrella N. Perez	January 20, 2021	Online	Dean/Directors, Program Chairs, Heads of Offices and BAC Chair 70 participants	46,500.00
Seminar-Training on Food Safety Regulatory System, HACCP and Good Manufacturing Practices (GMP)	Raffy M. Espirito Delilah P. Dal-uyen	February 9-10, 2021 (NLUC) June 2-3, 2021 (MLUC) June 10-11, 2021 (SLUC)	AVR, BPAA Complex (NLUC) Conference Hall (MLUC) Teacher's Training Center (SLUC)	NLUC- 60 MLUC- 30 SLUC- 30	150,075.00
Values Orientation Workshop	Perla A. Sotelo Rahfie C. Nullar Rowena L. Badua Arturo C. Flores	February 10 & 11, 2021	MLUC COM AVR	70 Faculty & Staff (1st Batch)	132,600.00
		March 3 & 4, 2021	MLUC COM AVR	60 Faculty & Staff (2nd Batch)	126,600.00
Research Writing and Publication in Reputable Journals	Isidro L. Duran	February 13, 2021	College of Graduate Studies (SLUC) Online via Zoom Platform	PhD Ed. Ad and MA EDM Student	24,600.00
Seminar on Writing Effective Policy Brief	Elizabeth L. Tangangco	February 16, 2021	IRLA Conference Hall	DMMMSU NLUC Faculty	13,450.00
Administrative Development for MLUC Frontline Supervisors	Estrella N. Perez	February 17, 2021	Online	Deans /Directors, Program Chairs, Heads of Offices and BAC Chair 70 participants	46,500.00

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
Administrative Development for NLUC Front-line Supervisor	Estrella N. Perez	February 19, 2021	Online	Deans /Directors, Program Chairs, Heads of Offices and BAC Chair 70 participants	46,500.00
Basic Wushu Training Seminar	Ana Maria L. Demot Jacquiline S. Gamotlong Dino G. Estepa Mesias James A. Co Thannia Joy G. Sabado	February 22, 2021 March 24-26, 2021 May 12-14, 2021 July 18-20, 2021 November 10-12, 2021	JDA-Gymnasium	Faculty and Staff (SLUC)	103,000.00
Project SAFE (Sheltered, Adaptive and Flexible Education)-CHED-TIEC-DMMMSU Flexible Learning Program	Emmanuel Songcuan Fauslyn Gay U. Amongan Joan V. Rivera Vicky A. Agpasa Arrienne Michelle F. Fabro Doreen A. Torres Rosemarie R. Mendoza Jan Kenneth R. Laguardia Fredizwinda F. Badua Aisha N. Sevilleja Ana Liza O. Ordinario Arnelie G. Laquidan Divina G. Naoe Frederick G. Tadifa Leilani I. Pamo Julius Caesar Amoyen	February 24-October 20, 202	Online	Set A: 160 Participants HI, Extension, IQAS, MIS-16 Fac Dev't Coordinator/ MIS Support-6 Instruction Facilitators - 28 1 Faculty Member each program -110 Set B: 904 Participants Faculty of Different Colleges	1,059,856.00
Fundamentals of Markmanship & Firearms Safety	Perla A. Sotelo	February 24, 2021	Training Area, La Union Provincial Police Office (LUP-PO) Camp Diego Silang	25 Participants per operating unit if adapted on a University wide basis	77,500.00

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
Public Service Values in Times of Adversities	Estrella N. Perez	March 3, 5, 9, 11, 16, 18, 2021 Bacnotan Cluster (NLUC, NARTDI, SRDI) April 6, 8, 13, 15, 20, 22, 2021 (SLUC) May 4, 6, 11, 13, 18, 20, 2021 CSF Cluster (MLUC, OUS)	Online	Deans/ Directors, Program Chairs, Function Directors and Heads of Offices  30 participants per cluster	166,500.00
Research Terminal Report Writeshop	Keneth G. Bayani	March 4, 11, 18 & 25, 2021	COM, Audio-Visual Room	Faculty with unfinished Terminal Report	274,000.00
Research Orientation Seminar cum Concept Paper Making	Keneth G. Bayani	March 4, 8, 10, 12, 15, 22 & 23, 2021	AVR, JICA Building	Instructors with item, Assistant Professors and Non-Teaching Extension and Research Plantilla Item Holders	203,000.00
Seminar on RA 9184 (Government Procurement Act) and Its 2016 Revised IRR	Jonald F. Carrera	March 5 and 8, 2021	DMMMSU-OUS Multi-Purpose Hall	DOUS-OUS Faculty and Non-Teaching staff	57,800.00
Seminar on the Enhancement of Knowledge and Skills among Faculty and Staff re: Strategic Performance Management System (SPMS) Amid Pandemic Times	Perla A. Sotelo	March 10-11, 202	MLUC COM Audio Visual Room	70 participants (Concerned unit heads and administrators)	100,000.00
Training Series on Response Surface Methodology and other Optimization Statistical Tools	Fatimah S. Rodriguez Delilah P. Dal-uyen Rosalinda L. Abad Renato B. Aguilar Dean Aldrene O. Badua Hipolito C. Buccat	March to July 2021 (11 Meetings)	DMMMSU NLUC	90 Participants  30 Faculty Members and Researchers from each campus	325,900.00
Training on Gender and Development in the New Normal	Nora A. Oredina	March 17-19, 2021	DMMMSU International Convention Center (NLUC)	DMMMSU NLUC Faculty-188  Non-Teaching Staff-107	240,300.00

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
Extension Proposal, Training Design, and IEC Preparation, Skills Training and Workshop	Kelly Grace A. Mendoza	March 18-19, 2021	COM, Audio-Visual Room	Regular Faculty, MLUC	105,000.00
Training on Google Workspace: The Apps You Need at your Workplace	Edelita C. Ebuenga Alvin R. Malicdem Darwin C. Llavore	March 22-24, 2021 (NLUC)	AVR, BPAA Complex (NLUC)	150 Faculty Members	286,339.65
		March 29-31, 2021 (MLUC)	College of Information Technology (MLUC)	NLUC-50 MLUC- 50	
		March 10-12, 2021(SLUC)	CCS Conference Room (SLUC)	SLUC- 50	
Capacity-Building in Disaster Risk Reduction and Management	Jiyger A. Pre Jomar J. Lucena	March 22-26, 2021 (SLUC)	DMMMSU SLUC Teachers Training Center	Campus DRRM Committee, Faculty, Staff, Students, DRRM Facilitators, Campus Emergency Response Team  25 participants per campus	361,250.00
		April 26-30, 2021 (MLUC)	DMMMSU MLUC AVR College of Management		
		May 24-28, 2021 (NLUC)	DMMMSU NLUC JICA Audio-Visual Room		
PROJECT CLOTHE (Center for Livelihood Opportunities, Technology Transfer and Home Economics)  Series I - Food Processing NC II  Series II - Baking & Pastry Production NC II  Series III - Cookery NC II	Veronica Carbonell	March 23-26, 2021 (NLUC)	DMMMSU Laboratory High School	70 Participants	413,500.00
		May 3-6, 2021 (MLUC)			262,000.00
		May 10-14, 2021 (SLUC)			302,000.00
		May 24-28, 2021 (SLUC & NLUC)			
Seminar on Corporate Etiquette, Personality Development and Mental/ Emotional Resiliency among Faculty and Staff During Health Crisis	Perla A. Sotelo	March 24-25, 2021	MLUC COM Audio Visual Room	70 participants (faculty and staff)	172,000.00

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
BAYBAYIN: Learning the Ancient Filipino Writing	Rissa A. Banaña	March 24-26, 2021	Eriguel Hall (SLUC)	Social Science/ Humanities/ Language Faculty	176,000.00
GADTalks and Chill: Seminar-Workshop on Gender and Development (Year 2)	Ritchie M. Dela Cruz Jerald U. Saculles	March 25-26, 2021	DMMMSU International Convention Center	CAS Faculty and Staff 55 participants	103,902.50
Personality Development in a Covid-19 Workplace	Ofelia O. Valdehueza	March 25-26, 2021 (SLUC) April 8-9, 2021 (MLUC, OUS) April 22-23, 2021 (NLUC, SRDI, NARTDI)	NLUC, MLUC AND SLUC Conference Hall	120 DMMMSU Faculty and Staff	153,000.00
BEEcoming Wonderjuanas and Superjuans Amidst Threats of COVID-19	Rolyne Mae C. Pajarillo & Rizalde A. Claro	March 30, 2021	NARTDI Conference/ Training Hall	ALL NARTDI Personnel	9,200.00
Facilities Management Training	Jiyger A. Pre	April 5-9, 12-15, 2021	Online via ZOOM	Campus planning, campus auxiliary service campus DRRM/ safety officers	260,000.00
Project A.R.N.I.S. (Arnis as a Recreation and National In-service Self Defense) Training (Phases 1-3)	Rissa A. Banaña	April 7-8, 2021 (Phase 1) May 6-7, 2021 (Phase 2) June 10-11, 2021 (Phase 3)	Eriguel Hall (SLUC)	100 participants (PE Instructors/ Professor; NSTP Trainers)	358,600.00
Seminar on Self-Defense, First Aid and other Health Related Protocols	Perla A. Sotelo	April 8-9, 2021	MLUC COM Audio Visual Room	25 Participants	145,000.00
Digital Bootcamp on "The Art and Science of Effective Communication in Globalized Workplace: Career Comm Dynamics"	Jesus Rafael B. Jarata	April 12-23, 2021	DMMMSU SLUC	DMMMSU Teaching and Non-Teaching Personnel	66,200.00

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
Thriving Through Tough Times: Training-Workshop on Psychological First Aid (PFA)	Zenaida DC. Pascua	April 21-22, 2021 (SLUC) May 10-11, 2021 (NLUC) June 10-11, 2021 (MLUC)	Virtual and On-site	Virtual participants 30 On-site participants identified by the deans and directors	154,125.00
Creativity at Work and Innovation Using information Technology in Times of Pandemic	Perla A. Sotelo	April 22, 2021	MLUC COM Audio Visual Room	50 participants (faculty and staff)	75,000.00
Google Educator Certification Level 1	Aloysius J. Aurelio	April 26, 27, & 28, 2021	On-line	200 Selected University Faculty MLUC- 70; SLUC- 70; NLUC-40; OUS- 20	1,046,000.00
Training-Workshop on Methods and Data Processing of Quantitative and Qualitative Researches	Raquel D. Quiambao Noemi M. Boado Ronica M. De Leon	April 27, 28 & 30, 2021 May 13-14, 2021	SLUC CAS Room, NLUC AVR, MLUC Social Hall	DMMMSU Faculty with approve researches	553,650.00
Likhaan iti DMMMSU: Webinar-Workshop on Creative Works Production and Practice-Led Research	Lynbelle C. Pascua Jerald U. Saculles	April 28-30, 2021	DMMMSU International Convention Center (On-site) Google Meet (Off-site)	150 DMMMSU Faculty and Staff	163,100.00
Paralegal Awareness Seminar for Faculty and Staff During Health Crisis	Perla A. Sotelo	April 28, 2021	MLUC COM Audio Visual Room	70 participants (faculty and staff)	101,000.00
Research Outputs (IPR, Publication and Policy Briefing)	Isidro L. Duran	May 5, 12, 19, 26, & 27, 2021	DMMMSU MLUC Online via Zoom/ Google Meet	Faculty and Staff with Terminal Repor	357,000.00
Training-Workshop in the Operation and Maintenance of Selected Instructional Machines/ Equipment	Rosalinda L. Abad Hipolito C. Buccat	May 19-20, 2021 (Lecture) May 24-26, 2021(Hands-on)	BSEMT Lab (MLUC)	DMMMSU Faculty IABE-14 (NLUC) COE-10 (MLUC) BTLED-4 (SLUC)	167,350.00

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
Training-Workshop on Data Analytics using R and Octave	Alvin R. Malicdem Rosa Novencido	May 24-26, 2021	CIT Learning Resource Center	NLUC- 15 MLUC- 20 SLUC- 15	112,200.00
4Ps (Paghahanda, Pagsulat, Presentasyon, Paglalathala) ng Pananaliksik sa Wika at Kulturang Pilipino	Erwina Y. Tadifa	May 26-28, 2021	Teacher's Training Center (SLUC) Eriguel Hall (SLUC)	Mga Guro sa Filipino sa BSEd and SHS at iba pang mga Interesadong Guro sa Ibang Disiplina	128,800.00
The Art of Business Correspondence (ABC Training)	Grace R. Valdez	May 26-29, 2021	College of Arts and Science (SLUC)	100 DMMMSU Faculty and Staff, anyone who deals with business writing, e-mail messages (key personnel such as secretaries, Administrative Officers, Executives, Managers, etc.)	163,400.00
Bomb/ IED Threat Awareness Seminar & Lecture on Presidential Decree No. 1727 (Anti-Bomb Scare Joke Law) Amid Health Crisis	Perla A. Sotelo	May 26, 2021	MLUC COM Audio Visual Room	40 participants (faculty and staff)	82,000.00
DMMMSU Saliksining Webinar-Workshop on Creative Works Production and Practice-Led Research	Jerald U. Saculles Lynbelle C. Pascua	May 27-28, 2021	ICC; Google Meet (off-site)	105 Participants 50 NLUC CAS Faculty and Staff; 20 NLUC faculty; 15 MLUC faculty, 15 SLUC Faculty; 5 UMIS Staff	172,950.00
When Numbers Matter: Data Analytics for Quantitative Researches	Raquel D. Quiambao, Marcelina Ayson, Tjaart Jan Estrada	June 1-3, 2021	Online via Zoom/ Google Meet	80 participants DMMMSU SLUC Faculty Teaching Thesis Writing	101,000.00
Enhancing Technology Skills for Librarians in the New Normal	Sonia S. Isip	June 3-4, 2021	DMMMSU International Convention Center (NLUC)	Librarians Library Staff Reading Centers In-charge ILS Administrators 60 participants	112,466.72

Training Title	Proponents	Proposed Dates	Venue	Participants	Budget
CE Digitization Upskilling- Training the Trainers	Virginia Rudio Cedric Anthony Ochoco Maricon Viduya	June 7-11, 2021	AVR, BPAA Complex (NLUC) CE Multipurpose Hall (MLUC) Eriguel Hall (SLUC)	NLUC- 62 MLUC- 90 SLUC- 90	467,071.82
The Nitty Gritty of Data Science, Computer Vision and Natural Language Processing	Darwin C. Llavore	June 9-11, 2021	CCS Computer Laboratory (SLUC)	CIS-15 (NLUC) CIT-15 (MLUC) CCS-15 (SLUC)	87,424.95
Writeshop on Technology Packaging and Intellectual Property Portfolio	Victoria N. Malaya	June 9-11, 2021	DMMMSU International Convention Center (NLUC)	Technology generator/ developer (Faculty/and Staff)	111,150.00
Digital Citizenship	Rhoda M. Lilan Edelita C. Ebuenga	June 9-10, 2021 (NLUC, NARTDI, SRDI) June 10-11, 2021 (MLUC, OUS) June 11-12, 2021 (SLUC)	AVR, BPAA Complex (NLUC) CE Multipurpose Hall (MLUC) Eriguel Hall (SLUC)	300 participants (100 faculty and staff from each campus)	
Effective Technical Writing Seminar or Secretaries and Administrative Staff	Perla A. Sotelo	June 10, 2021	MLUC COM Audio Visual Room	70 participants	81,000.00
Mathematics Lecture Series VI: Technology in Teaching Advanced Mathematics, Research, and Development of Instructional Materials	Delia V. Eisma Tjaart Jan B. Estrada	June 14-28, 2021 (MWF only)	CAS Mathematics Laboratory Room, Computer Laboratory and Room 214 (SLUC)	50 Mathematics Faculty Members of the University	345,009.50
Webinar-Worksyp sa Pagsulat ng Korespondensiyang Opisyal (Liham-Pangangalakal, Katitikan ng Pulong, Kasunduan, Ulat at iba pa)	Renante D. Malagayo	June 30, 2021	CAS- Audio Visual Room (SLUC)	Mga guro sa Filipino, Ingles, Araling Panlipunan at iba pang mga interesadong lalahok sa buong DMMMSU (University Wide)	38,600.00

## G-Apps: Modality Tool for Distance Learning

Number of faculty trained: 167

**HOUSE RULES:**

- Turn off video camera to save your bandwidth
- Make sure to disable your audio to avoid distracting other attendees and the speaker
- Refrain from clicking on PRESENT NOW button
- There will be three (3) codes that will be given by the moderator for the evaluation. Stay connected!
- Only those who remained in the webinar and answered the

**G - APPS:**  
MODALITY TOOL FOR DISTANCE LEARNING  
May 27, 2020  
9:00 AM

### OBJECTIVES:

- What is Google Docs?
- Advantages of using G-Docs
- Creating a new Google Document
- Navigating Google Docs
- Working with different G-Docs features

### GOOGLE SHEETS

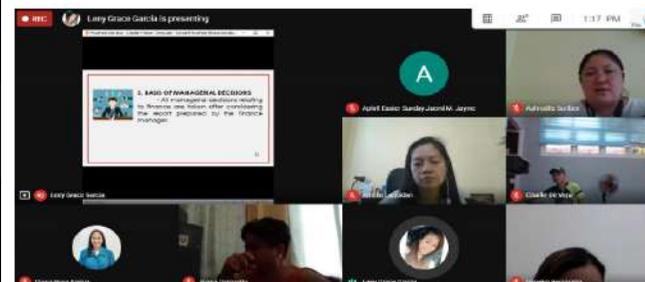
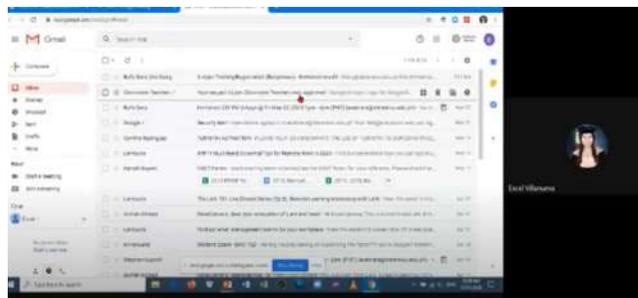
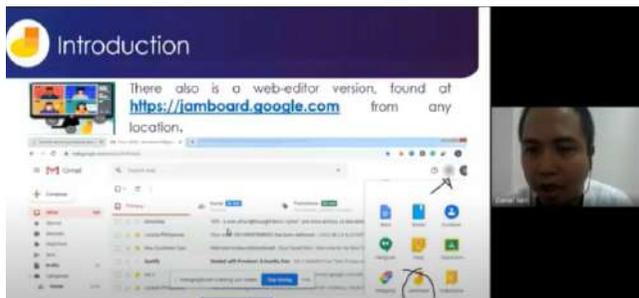
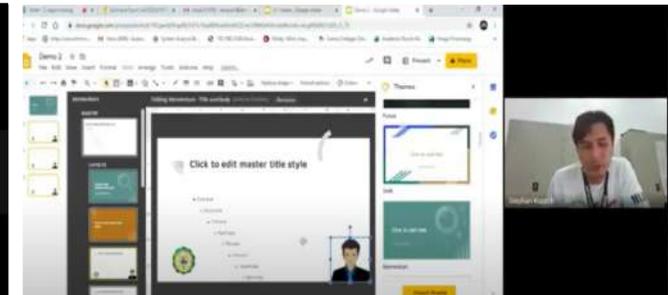
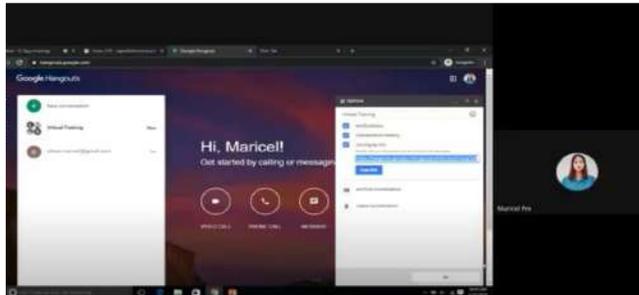
- A web-based spreadsheet that allows you to store, organize, sort and manage different types of information.

### Why use G-Meet?

- For conference meeting
- Max 250 participants
- You can approve requests to join made by external participants.
- You can mute or remove other participants.

- The form is web-based and can be shared with respondents by sending a link, emailing a message, or embedding it into a web page or blog post.

- Data gathered using the form is typically stored in a spreadsheet.



## MLUC on Recharge Webinar Number of faculty trained: 292

**DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
MID-LA UNION CAMPUS**

**MLUC on RECHARGE**  
Setting up the Interactive Classroom with G Suite for Education

**Session 1**  
August 12, 2020 | 9:00-11:00am

**Google Classroom as a Tool for Teaching and Learning**

**Prof. JOSEPH A. PATACSIL**  
MIS Head, DMMSU-MLUC

**Session 2**  
August 12, 2020 | 2:00-4:00 pm

**Getting started with Google Calendar & Google Meet for Video Conferencing with students**

**DR. ALVIN R. MALICDEM**  
Dean, College of Information Technology

**DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
MID-LA UNION CAMPUS**

**MLUC on RECHARGE**  
Setting up the Interactive Classroom with G Suite for Education

**Session 3**  
August 13, 2020 | 9:00-11:00 am

**Interesting Ways to use Google Forms to Support Learning**

**Prof. Manny R. Hortizuela**  
Sub-unit Head, Planning & Managing Information (MIS)

**DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
MID-LA UNION CAMPUS**

**MLUC on RECHARGE**  
Setting up the Interactive Classroom with G Suite for Education

**August 14, 2020**  
Session 1 & 2 | 9:00-12:00nn  
Session 3 & 4 | 2:00-5:00pm

**Workshop Proper**

**DR. ARRIANNE MICHELLE F. FABRO**  
Head of Instruction, DMMSU-MLUC

**DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
MID-LA UNION CAMPUS**

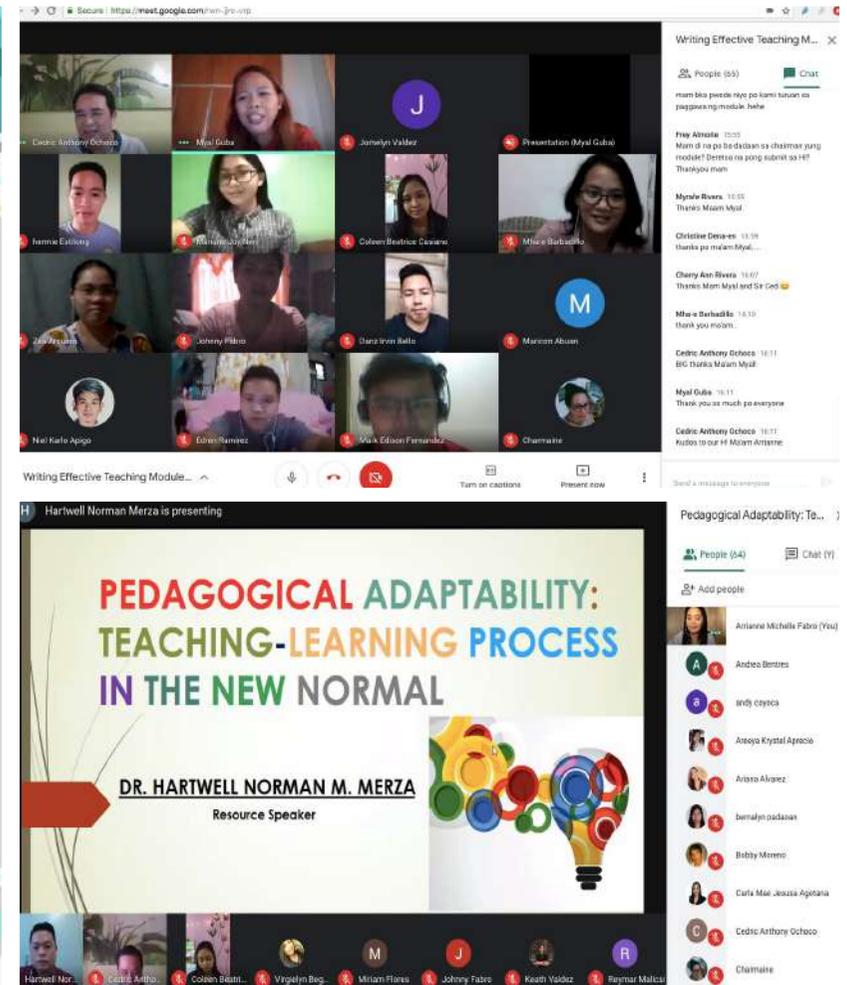
**MLUC on RECHARGE**  
Setting up the Interactive Classroom with G Suite for Education

**Session 4**  
August 13, 2020 | 2:00-4:00 pm

**Real-time Collaboration with G Suite Office**

**Prof. Marydel C. Estira**  
Extension Facilitator, CIT

MLUC on Reset Webinar  
 Number of faculty trained: 292



## Training-Workshop on Sheltered, Adaptive, and Flexible Education (Project SAFE)

Number of faculty trained: 192

(Session 1: August 4, 2020; Session 2: August 6, 2020; Session 3: August 11, 2020; Session 4: August 13, 2020)

DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

**Revisiting the Institutional Programs, Course Learning Outcomes, and Bloom's Taxonomy**

AUGUST 4, 2020 | 9:00 AM

**PROF. JAN KENNETH LAGUARDIA**  
Faculty, College of Education



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

**Principles of IM Development**

AUGUST 4, 2020 | 10:30 AM

**MR. RONALD B. BUSTOS**  
Faculty, College of Arts and Sciences



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

**Scaffolding in the New Normal Education**

AUGUST 6, 2020 | 9:00 AM

**DR. JESUS RAFAEL B. JARATA**  
Chairperson, Languages Department



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

**Using the Turnitin for Plagiarism and Grammar Check**

AUGUST 6, 2020 | 10:30 AM

**PROF. KENNETH G. BAYANI**  
Director of Research



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

**Evaluation of Instructional Materials**

AUGUST 11, 2020 | 9:00 AM

**DR. ELSIE M. PACHO**  
Director of Instruction



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

**Differentiated Learning and Assessment in Limited Technology Environment**

AUGUST 11, 2020 | 10:30 AM

**DR. EMMANUEL J. SONGCUAN**  
Head, Quality Assurance



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

**TPACK (Technology, Pedagogy and Content Knowledge) Across the Disciplines**

AUGUST 13, 2020 | 10:30 AM

**DR. LEILANI I. PAMO**  
Faculty, College of Arts and Sciences



DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY  
SOUTH LA UNION CAMPUS

Free Webinar Session  
on Sheltered, Adaptive,  
and Flexible Education (Project SAFE)

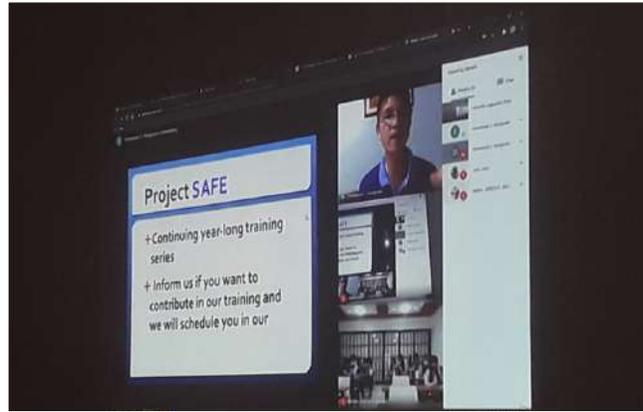
**Flexible Performance-Based Assessment**

AUGUST 13, 2020 | 9:00 AM

**PROF. RYAN L. CERVEZA**  
Faculty, College of Education



## Training-Workshop on Sheltered, Adaptive, and Flexible Education (Project SAFE)



DMMSU supports faculty members and nonteaching personnel and sends them for scholarships.

The following are faculty members who have finished their graduate studies.

## NORTH LA UNION CAMPUS

### DOCTORAL DEGREE



**SONIA S. ISIP**  
*Ph.D. Management (Cum Laude)*  
(SLU)



**CHESTER S. LIBONG**  
*Ph.D. Animal Science*  
(CSLU)



**ESTRELLA L. VISTE**  
*Ph.D. Educational Administration*  
(DMMSU-NLUC)



**GRACE S. NISPEROS**  
*Ph.D. Educational Administration*  
(DMMSU-NLUC)



**MACRINA V. BATOON**  
*Ph.D. Educational Administration*  
(DMMSU-NLUC)



**NIDA B. TABIJE**  
*Ph.D. Animal Science*  
(DMMSU-NLUC)

## NORTH LA UNION CAMPUS | MASTERAL DEGREE



**KEVIN M. SIBUL**  
*MA Physical Education*  
 (DMMMSU-SLUC)



**WILLIAM S. GAYO**  
*MS Mathematics*  
 (UP BAGUIO)



**ROSEMARIE O. TATTAO**  
*MS Animal Science*  
 (UPLB)



**DANTE M. MORTELA**  
*MS Agricultural Engineering*  
 (CLSU)



**LESLIE JOY V. VILLANUEVA**  
*M Public Administration*  
 (LNU)



**JAYRIC F. VILLAREAL**  
*MS Forestry*  
 (UPLB)



**JULIE ANN P. SAPITULA**  
*M Management Engineering*  
 (DMMMSU-MLUC)



**ROSEMARIE E. GAVINA**  
*MATE-TEPP*  
 (DMMMSU-MLUC)



**MARY FE M. ASPIRAS**  
*MS Animal Science*  
 (DMMMSU-NLUC)



**RUSSEL B. BARRAMEDA**  
*MS Animal Science*  
 (DMMMSU-NLUC)



**LISLEA M. WAGAYEN**  
*MS Agroforestry*  
 (DMMMSU-NLUC)



**VERNALYN B. OLETE**  
*MS Teaching (Biology)*  
 (DLSU)

## MID LA UNION CAMPUS

### DOCTORAL DEGREE



**DYAN T. ABULABAN**  
*Ph.D. Technology Education Management  
(DMMMSU)*



**MARY ANN C. COPUZ**  
*Ph.D. Education Management  
(SLC)*



**MARLYN M. AMANTE**  
*Ph.D. Language Education  
(BengSU)*



**MARY JANE B. DULAY**  
*Ph.D. Technology Education Management  
(DMMMSU)*



**GENEVIEVE C. POLIDO**  
*Ph.D. Management  
(SLC)*

## MID LA UNION CAMPUS

## MASTERAL DEGREE



**NEVY P. GALLARDO**  
*Ph.D. Information Technology*  
*(UC)*



**JENNIFER C. KIWAS**  
*MA Technology Education-TLE*  
*(DMMMSU)*



**EDWIN P. MAPAYAG**  
*MA Technology Education-TA*  
*(DMMMSU)*



**VICENTE B. NONES, JR.**  
*M Development Administration*  
*(DMMMSU)*



**JENIE V. QUIAOIT**  
*MA Special Education*  
*(DMMMSU)*

## SOUTH LA UNION CAMPUS

### DOCTORAL DEGREE



**FAUSLYN GAY U. AMONGAN**  
*Ph.D. Language Education*  
(BengSU)



**ANDIE JOHN TADEO**  
*Ph.D. Aquaculture*  
(CSLU)



**RYAN L. CERVEZA**  
*Ph.D. Science Education - Math*  
(DMMMSU-NLUC)



**RENANTE D. MALAGAYO**  
*Ph.D. Filipino Language*  
(LNU)



**APRIL J. RIVERA**  
*Ph.D. Language Education*  
(BengSU)



**MARY CORINNE R. SELGA**  
*Ph.D. Science Education*  
(DMMMSU)



**RHODORA B. IBABAO**  
*Ph.D. Filipino Language*  
(LNU)

## SOUTH LA UNION CAMPUS

## MASTERAL DEGREE



**RONALD L. AQUINO**  
*MS Mathematics*  
*(UP Baguio)*



**KAREN ABIGAIL BUCASAS-ORIBELLO**  
*MS Mathematics*  
*(UP Baguio)*



**MARY-JANE T. CABILITAZAN**  
*MAEd - Social Studies*  
*(PangSU)*



**SALVADOR P. LLAVORE**  
*MA in Nursing*  
*(UNP)*



**SHERILLE A. OREJUDOS**  
*MA in Nursing*  
*(Lorma)*



**RUBY ANN C. GALI**  
*MAEd - Social Studies*  
*(PangSU)*



**GIBSON D. REYES**  
*MA Ed. in English*  
*(SLC)*

Below are the news scholars.

NAME OF SCHOLAR	CAMPUS	DEGREE	DHEI	TYPE OF SCHOLARSHIP
Cabiladas, Michelle	NLUC	Ph.D. Business Management	UP-Diliman	DMMMSU FSDP
Valdez, Jr. G.	NLUC	MS Plant Pathology	UP-Los Banos	DMMMSU FSDP
Wagayen, Lislea M.	NLUC	Ph.D. Horticulture	UP-Los Banos	DMMMSU FSDP
Constantino, Bienvenido	SLUC	Ph.D. Music	UP-Diliman	DMMMSU FSDP
Lachica, John Mark	SLUC	Ph.D. Language Education	SLU	DMMMSU FSDP
Libong, Marjon	SLUC	MS Animal Science	UP-Los Banos	DMMMSU FSDP
Milan, Mylene C.	SLUC	PhD. English Language and Literature	Ateneo De Manila	DMMMSU FSDP
Oligo, Maria Marinell C.	SLUC	MS Statistics	DLSU	DMMMSU FSDP

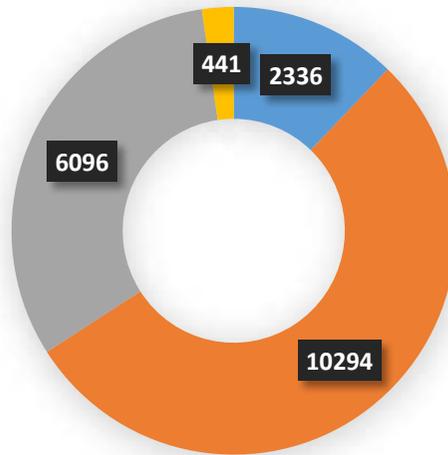


Despite the pandemic, DMMMSU has maintained a great number of enrollees. The graphs below show the summary of enrolment in four academic units.

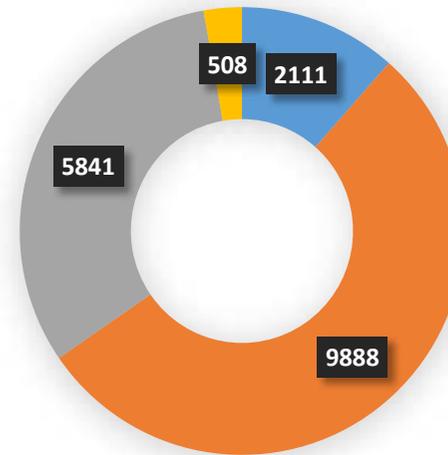
Data on Enrolment  
By Operating Unit/Campus  
1<sup>st</sup> Semester, SY 2020 - 2021

Legend:

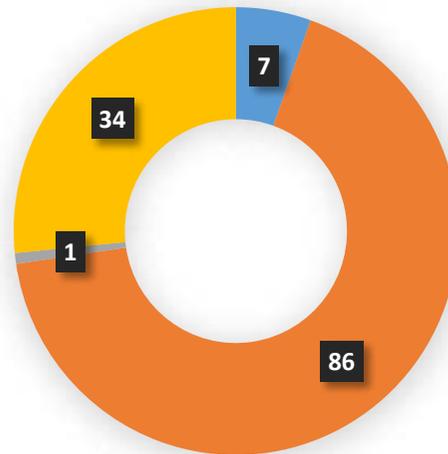
- - NLUC
- - MLUC
- - SLUC
- - OUS



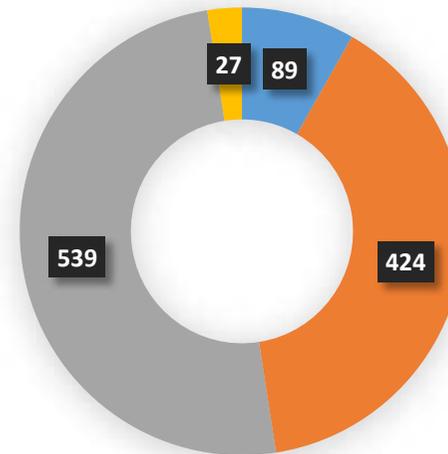
Data on Enrolment  
By Operating Unit/Campus  
2<sup>nd</sup> Semester, SY 2020 - 2021



Data on Graduate  
By Operating Unit/Campus  
1<sup>st</sup> Semester, SY 2020 - 2021



Data on Graduate  
By Operating Unit/Campus  
2<sup>nd</sup> Semester, SY 2020 - 2021

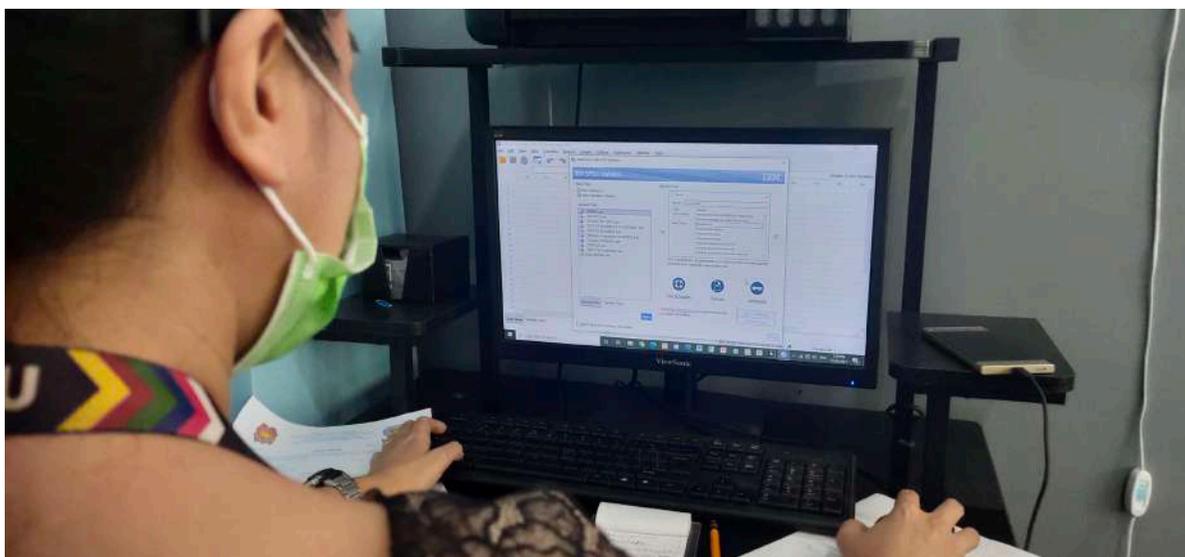
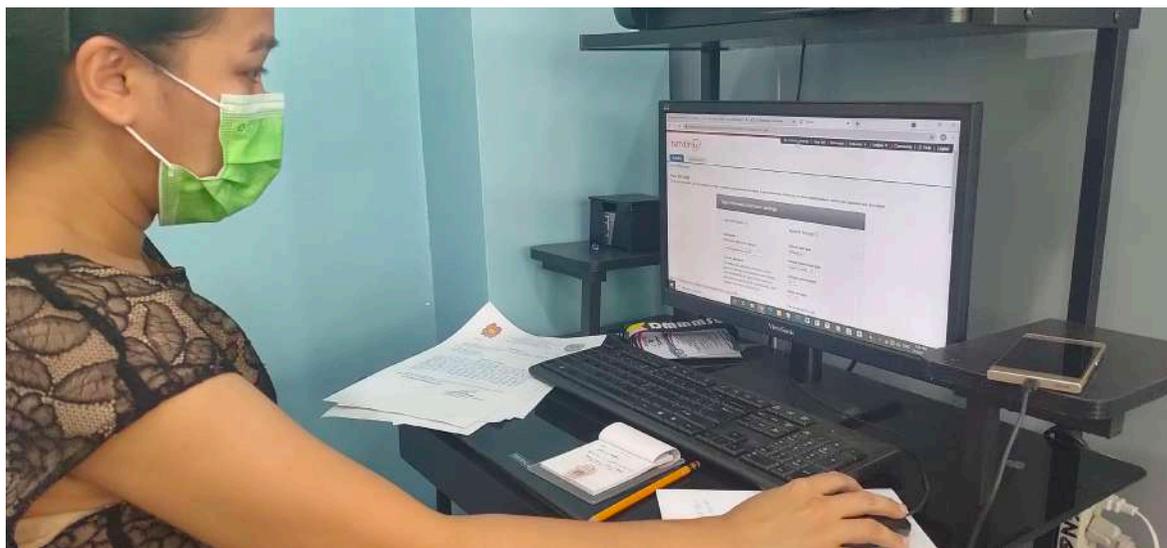


We are proud of our huge accomplishments in research. We wanted to increase research productivity, and raise research quality and impact; hence, in January last year, we presented for Board approval the increased cash incentives for exemplary performance in research. Approved, it was implemented immediately.

As proof of its implementation, we spent the total amount of **Php 1,989,103.44** for cash and laptop incentives.



Also, we were able to acquire Turnitin Plagiarism and Grammar Checker and IBM-Statistical Products and Service Solutions (BASIC version 27.0 AND AMOS).



What else have we accomplished in research?

We have commendable work in outsourcing funds. As a result, we were granted the total amount of **Php 31,670,842.20**.

With 27 percent of faculty and staff involved in research, we have a total of **161 ongoing researches** and **18 completed researches**.

## **ONGOING RESEARCHES**

### **North La Union Campus (Internally and Externally-Funded)**

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
1	College of Agriculture		Influence of Different Organic Fertilizers on Leguminous Crops Intercropped Under Established High Value Citrus Plantation	Analyn V. Sagun	Jan. 2018 - Dec. 2020	198,682.00	DMMMSU
2			Performance of High Value Citrus Species on the Number of Rootstock	Analyn V. Sagun Cherisse May S. Libunao	Jan. 2010 - Dec. 2021	45,180.00	DMMMSU
3			Response of Row Intercropping of Corn Along with Legumes to Organic Fertilizers	Analyn V. Sagun	Jan. 2018 - Dec. 2020	55,320.00	DMMMSU
4			Botanical Insecticides on the Management of Bean Aphids	Renato F. Limon Jovita V. Valmores	Jan. 2017 - Dec. 2020	7,650.00	DMMMSU
5			Performance of Mungbean Entries Under La Union Condition	Florentino F. Orpilla Kevin E. Elias	Feb. 2020 - May 2021	30,305.00	DMMMSU
6			Performance of Peanut Entries Under La Union Condition	Florentino F. Orpilla Kevin E. Elias	Feb. 2020 - May 2021	12,050.00	DMMMSU
7			Performance of Soybean Entries Under La Union Condition	Florentino F. Orpilla Kevin E. Elias	Feb. 2020 - May 2021	11,750.00	DMMMSU
8			Gender Participation in Agricultural Crops Farm Practices and Management in La Union	Analyn V. Sagun Lydia P. Libunao Kevin E. Elias Jeisel O. Labatete	Jan. 2019 - Dec. 2021	14,900.00	DMMMSU
9			Levels of "Pungapung Tuber Meal" as Replacement of Corn for Broiler Ration	Cynthia M. Rodriguez Medelyn A. Aglipay Lydia P. Libunao	Jan. 2021 - Dec. 2021	57,330.00	DMMMSU
10			Levels of "Arrowroot Tuber Meal" as Replacement of Corn for Broiler Ration	Cynthia M. Rodriguez Medelyn A. Aglipay Russel B. Barrameda	Jan. 2021 - Dec. 2021	57,330.00	DMMMSU

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
11	College of Agriculture		Levels of “buga tuber meal” as Replacement of Corn for Broiler Ration	Cynthia M. Rodriguez Medelyn A. Aglipay	Jan. 2021 - Dec. 2021	57,330.00	DMMMSU
12	College of Education		Research Capability on Statistical Tools of Senior High School Teachers: A Basis for an Extension Program	Nora A. Oredina May Ann Rose O. Estilong	Jan. 2020 - Dec. 2021	27,688.00	DMMMSU
13			Formulation and Standardization of Food Products (Bread, Cake and Pastellas) with Seaweeds and Malungay	Daisy O. Ledda Poly Mae G. Sampaga	Jan. 2020 - Jul. 2021	47,617.00	DMMMSU
14	College of Arts and Sciences	NEW	A Phenomenological Study on How Public Servants Manifest Public Service Values During the COVID-19 Pandemic	Aisha N. Sevilleja Shiela E. Calica	Jan. 2020 - Dec. 2021	16,500.00	DMMMSU
15			Utilization of Social Media Technology Along Instruction Functions of DMMMSU-NLUC	Nathaniel A. Pe Stephan Kupsch	Oct. 2020 - Jun. 2021	3,400.00	DMMMSU
16			Impact Monitoring and Assessment of 2 in 1 plus Mariculture Farming System Research and Development in Balaoan, La Union	Karen A. Ballada Keneth G. Bayani Ana Maria L. Demot Minerva J. Tabafunda Gerry N. Galvez Zenaida B. Advincula	Jan. 2020 - Dec. 2021	32,138.00	DMMMSU
17			Sensitivity Analysis and Simulations of SIR (Susceptible-Infected-Recovered) Model for Dengue	Ronica Q. Masangkay	Jan. 2020 - Mar. 2021	1,250.00	DMMMSU
18			Isolation, Purification and Molecular Identification of Microfungi from Landfill Site of Bangar, La Union	Mark Kevin S. Lopez Francis Ruel G. Castillo	Jan. 2020 - Dec. 2021	18,000.00	DMMMSU
19			Heavy Metal Uptake and Tolerance of Microfungal Isolates from a Landfill Site to Selected Heavy Metals	Mark Kevin S. Lopez Irish Benja M. Argame Jan Aizel E. Arellano	Jan. 2020 - Dec. 2021	109,000.00	DMMMSU
20			Growth-Promoting Effect of Heavy Metal-Tolerant Microfungal Isolates to Tomato Seedlings	Mark Kevin S. Lopez Karen A. Ballada Christian Gene E. Salazar	Jan. 2020 - Dec. 2021	72,000.00	DMMMSU
21		College of Veterinary Medicine	NEW	Phytochemical Screening and Acute Toxicity Assessment of Turmeric, Oregano, Lemon Grass and Aloe Vera	Minerva J. Tabafunda Elizabeth L. Tangangco Danni Lou O. Manuel Medelyn A. Aglipay	Jan. 2021 - Dec. 2022	34,050.00
22	NEW		Growth Performance of Broilers Supplemented with Turmeric, Oregano, Lemon Grass and Aloe Vera	Minerva J. Tabafunda Elizabeth L. Tangangco Danni Lou O. Manuel Medelyn A. Aglipay	Jan. 2021 - Dec. 2022	34,050.00	DMMMSU

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
23	College of Veterinary Medicine	NEW	Haematological Status and Blood Lipids Profiled of Broiler Chickens Supplemented with Turmeric, Oregano, Lemon Grass and Aloe Vera	Minerva J. Tabafunda Elizabeth L. Tangangco Danni Lou O. Manuel Medelyn A. Aglipay	Jan. 2021 - Dec. 2022	34,050.00	DMMSU
24		NEW	Effects of Herbal Supplementation in Intestinal Microflora Population of Broilers Chickens Supplemented with Turmeric, Oregano, Lemon Grass and Aloe Vera	Minerva J. Tabafunda Elizabeth L. Tangangco Danni Lou O. Manuel Medelyn A. Aglipay	Jan. 2021 - Dec. 2022	34,050.00	DMMSU
25	College of Information Systems	NEW	Data Security Based on ERC5 Algorithm ver. 2.0 for Self-Checkout Kiosk	Excel V. Cabrera Jessie B. Vallecera Maricel O. Pre Krizia Ann E. Ramirez	Feb. 2021 - Jul. 2021	12,935.00	DMMSU
26		NEW	HaBEEtat: A Web App Using Machine Learning Thru Lightweight Scripting for Accurate Determination of Suitable Location for Honey Production	Stephan Kupsch	Feb. 2021 - Jul. 2021	740.00	DMMSU
27	Institute of Agricultural and Biosystems Engineering		Rainfall Data Simulation and Forecasting for Climate Change Adaptation for Agriculture in Region I, Philippines	Dean Aldrene O. Badua	Sep. 2020 - Aug. 2021	5,000.00	DMMSU
28	Institute of Environmental Studies		Monitoring of Groundwater for Irrigation: Salinity and its Effects on Crop Productivity	Desiree A. Vilar	Jan. 2018 - Dec. 2021	40,000.00	DMMSU
29	Fisheries Research and Training Institute		Establishment of Mangrove Project in Selected Areas of Naguilian, La Union	Valentino V. Prado Gerry N. Galvez Richard N. Rivera Alin Sherick M. Sabiano		18,000.00	DMMSU
30			Catch Composition of Crab ( <i>Ranina ranina</i> ) Lift Net in Northern La Union Waters	Valentino V. Prado Gerry N. Galvez Richard N. Rivera	Jan. 2020 - Dec. 2021	43,135.00	DMMSU
31		NEW	Production and Characterization of Solar Salt Produced in HDPE Plastic Liner Platform	Andie John D. Tadeo Junifer Rey E. Tabafunda	Jan. 2021 - Dec. 2022	193,204.00	DMMSU
32	Research Assistants		Response of Ginger on the Duration of Water Application	Genaro D. Omo Renato F. Limon	Jan. 2018 - Dec. 2021	9,170.00	DMMSU
33			Propagation of Ginger Shoots as Planting Materials Through Sowing of the Rhizomes in Various Media	Genaro D. Omo Renato F. Limon	Jun. 2018 - Oct. 2021	3,750.00	DMMSU
34			Bio-Organic and Inorganic Fertilization on Bittergourd	January 2017 - December 2021	Jan. 2017 - Dec. 2021	10,010.00	DMMSU

## Mid La Union Campus (Internally and Externally-Funded)

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
35	College of Education	Education	Mulberry Fruit Candy	Jemmy Lou G. Navalta	Jan. - Sept. 2020 Extended: Jan. - Jun. 2021	32,520.00	DMMMSU
36		Education	Competencies Seamstress in the City of San Fernando: Basis for a Training Delivery Program	Jennefer C. Kiwas	Jan. - Dec. 2020 Extended: Jan. - Jun. 2021	4,190.00	DMMMSU
37		Education	Developmental Tasks of Intermediate Pupils: Input to an Instructional Design in MAPEH	Allan Rogelio M. Sobrevilla	Jan. - Dec. 2019 Jan. - Jun. 2020 Extended: Jan. - Jun. 2021	4,190.00	DMMMSU
38		Education	Transportable Appliance System	Gemma M. Pangilinan	Jan. - Dec. 2019 Jan. - Jun. 2020	12,842.00	DMMMSU
39		Education	Electrical Wiring System and Design Module	Ramil P. Cayabyab	Jan. - Dec. 2019 Jan. to June 2020	5,874.00	DMMMSU
40		Education	Assessment of the Implementation of the Summer Enrichment Program	Therese Anne I. Macanas	Jan. - Dec. 2021	9,400.00	DMMMSU
41	College of Arts and Sciences	Social	Human Rights of the Human Left: Integration of Human Rights Education in the Curricula of SUCs in Region 1	Rozzane Victoria G. Buccat-Villamin Jericho E. Padilla Ma. Luisa B. Arnobit Lady Mae b. Calderon	Jan. - Dec. 2020	476,857.00	CHR
42		Education	Utilization of Gender Fair Language in Writing	Elizabeth C. Ramirez	Jan. - Jun. 2021	4,250.00	DMMMSU
43		Education	Psychosocial Needs and Emotional Quotient of College Students	Renz Arvin Dumaguin	Jul. 2020 - Jun. 2021	9,100.00	DMMMSU
44		Social	Support Services to Solo-Parent Employees in a Tertiary Educational Institution in La Union	Maria Luisa Arnobit	Jan. - Dec. 2021	4,950.00	DMMMSU
45	College of Information Technology	Technical	Prescriptive Navigation through Vision- based Traffic Monitoring for City of San Fernando, La Union	Sheena I. Sapuay Alvin Malicdem MarydelEstira Jay Carlo Sabado	Jan. - Dec. 2021	998,000.00	DOST

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
46	College of Management	Health, food nutrition: Development, processing, quality and delivery of food products	Development and Processing of Jackfruit (Artocarpus Heterophyllus) Seed Jam	Zhelyn A.Hufana Rishelle B. Nucaza	Aug. 2020 - Jul. 2021	10,600.00	DMMMSU
47	College of Management	Governance	Performance of the Sanggunian Kabataan in Active Citizenship: The Case of the City of San Fernando, La Union	Herminaldo P. Estilong Florencio S. Tabafunda	Jan. - Dec. 2021	4,495.00	DMMMSU
48	College of Technology	Industrial Technology	Instructional Mock- Up of a Diesel Injection Pump Calibrator (IMDIPC)	Leo A. Gacayan Edwin Rimas Jake Tyrone Somera	Mar. 2016 Jan.- Jun. 2020  Extended: Jan. - Jun. 2021	55,000.00	DMMMSU
49	College of Technology	Food and Nutrition	Development of Squash Processed Products	Rossana P. Abat Imma G. Estabillo Charles Pacada Sheila Alvarez	Jan. 2016 Jan.- Jun. 2020  Extended: Jan. - Jun. 2021	20,945.00	DMMMSU
50	College of Technology	Food and Nutrition	Development of Watermelon Processed Products	Rossana P. Abat Imma G. Estabillo Charles Pacada Sheila Alvarez	Jan. 2016 Jan.- Jun. 2020  Extended: Jan. - Jun. 2021	15,590.00	DMMMSU
51	College of Graduate Studies	Industrial Technology	Portable Peanut Pod Thresher	ManolitoDela Cruz	Jan. - Jun. 2020  Extended: Jan. - Jun. 2021	125,301.00	DMMMSU
52	Research Unit	Education	English Writing Competence of the Grade 4 Pupils of DMMMSU-MLUC: Basis for a Skill Book in Writing	Sheryll M. Valmores	Jan. - Dec. 2019 Jan. - Jun. 2020	3,100.00	DMMMSU

**South La Union Campus (Internally and Externally-Funded)**

No.	College/Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
53	CE	Education and Technology	The Effects of PHET Simulation on Pupil's Performance and Learning Experiences in Force and Motion	Marvin V. Tandas	Jan. - Jun. 2020	20,000.00	DMMMSU
54	CE		Effectiveness of Peer Tutoring in Teaching Mathematics in the Preschool	Junabele F. Dy Rhyjema B. Laron	Jan. 2020 - June 2020	15,000.00	DMMMSU
55	CE		Feedback Methods of Formative Assessment in Student Learning: Its Utility and Effectiveness	Rhea Justine G. Fangonil	Jan. 2020 - June 2020	15,000.00	DMMMSU
56	CE		An Analysis on the Effects of Task Representation on Students' Performance on Contextual Mathematics: Word Problem VS Image Rich Problems	Jefferson Isidro	Jan. 2020 - June 2020	15,000.00	DMMMSU
57	CE		Gender Differences in the Experiences, Leadership Styles, and Skills of School Administrations'	Nona Rivera	Jan. 2020 - June 2020	40,000.00	DMMMSU
58	CE		Scrabbi-Trigo: A Non-Digital Game for Mastery Learning in Mathematics	Alfredo Fuentes Jr	Aug. 2020 - Dec. 2021	30,000.00	DMMMSU
59	CE		Modification and Performance Evaluation of a Low Cost Smoked Fish Processor	Ana Maria Demot	Jan. 2020 - June 2020	60,000.00	DMMMSU
60	CE		Jigsaw Teaching Strategy Utilization I Pupil's Pedagogical and Content Knowledge in Human Body System	Kristine Flores Marvin Tandas	Dec. 2020 - Dec. 2021	25,960.00	DMMMSU
61	CE		Investigating the Impact of Explicit and Implicit Feedback Strategies on the Academic Essays of Senior High School Students	Gibson Reyes	Sept. 2020 - June 2021	30,000.00	DMMMSU
62	CE		Commonly Mispronounced Vowel Sounds Committed by Tertiary Students: Basis for an Instructional Material Pronunciation	Merly Sioco	Sept. 2020 - June 2021	29,000.00	DMMMSU
63	CE		Narrativizing Student Teachers' Challenges of Teaching English Abroad	Abelynn Llarenas	Sept. 2020 - June 2021	4,500.00	DMMMSU
64	CE		TRACK Guided Lessons in Improving the Performance of Pre-service Teachers in Chemistry	Ernesto Flores	Sept. 2020 - June 2021	17,000.00	DMMMSU

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
65	CF	Fisheries Seaweeds	Profiling of Selected Seaweeds in La Union, Philippines Study 1. Molecular & Nutrient Profiling of Selected Seaweeds in La Union, Philippines Study 2. Phytochemical Analysis of Selected Seaweeds in La Union, Philippines Study 3. Prebiotic and Probiotic Potential of Polysaccharides and Extracts of Gracilaria sp. to improve tilapia culture	Dianne Peralta Victoria N. Malaya Rhodora S. Mortela	Mar. 2019 - Mar. 2020	451,108.00	DMMSU
66	CF	Fisheries Seaweeds	Seaweed Products Development Study 1. Standardization of Gracilaria Powder Study 2. Formulation and Acceptability of Gracilaria Siomai Study 3. Gracilaria Product Development (Soft Candies, cookies, and Cracker)	Aurora Afalla Dianne Advincula Edna Aloat	Jan. 2019 - Mar. 2021	290,574.00	DMMSU
67	CF	Fisheries Fishwastes	Development, Standardization, and Nutritional Efficacy of Aqua feed Using Fish-Wastes as Ingredient Study 1. Characterization of milkfish acid silage Study 2. Nutritional Efficacy of milkfish acid Silage Study 3. Formulation and Testing of Aquafeed from Milkfish Acid Silage	Victoria N. Malaya	Jan. 2019 - Dec. 2021	127,692.00	DMMSU

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
68	CF	Fisheries Sea Cucumber	Project 5. Growth and Survival of hatchery Reared Sandfish ( <i>Holothuria scabra</i> ) Juveniles in Nursery and Grow-out Rearing System  Study 1. Adaptability Trials of Sandfish ( <i>Holothuria scabra</i> ) from Nursery Phase to Juvenile Phase in Brackishwater Pond Conditions of Sto. Tomas, La Union  Study 2. Grow-out of Sandfish in Brackishwater Pond at different Stocking Densities  Study 3. Restocking Strategies of Sandfish Juveniles in Sea Cucumber Sanctuary	Victoria N. Malaya Dianne Peralta Ramon Florendo	Jan. 2019 - Dec. 2021	10,000.00	DMMMSU
69	CF	Fisheries	Fisheries and Ecological Assessment in Sto. Tomas Cove, La Union Philippines  Study 1. Resource and Ecological Assessment of Sto. Tomas Cove  Study 2. Environmental Profiling of Sto. Tomas Cove  Study 3. Size and Catch Composition of Dominant Species in Sto. Tomas Cove	Valentino Prado Dianne Peralta	Jan. 2019 - March 2021	24,140.00	DMMMSU
70	CF	PCAARRD - DOST AATBI	PCAARRD-DMMMSU Agriculture, Aquaculture and Food Technology Business Incubator	Victoria A. Malaya Anabella G. Valdez	2 yrs	7,000,000.00	PCAARRD - DMMMSU
71	CF		Enhancing the Agri-Aqua Food Value Chain through SMART Technologies and Partnership towards Food Resiliency in the New Normal in Region 1	Victoria A. Malaya Dianne Peralta Anabella G. Valdez	Jan. 16, 2021 - Jan. 15, 2022	3,150,000.00	PCAARRD - DMMMSU
72	CAS	Pedagogies	Analysis on the Effects of Specific English Teaching Management Practices to the Speaking Anxiety of College Students	Milan, Mylene C. Amongan, Fauslyn	Sept. 2020 - July 2021	21, 570.00	DMMMSU
73	CAS	Assessment and Evaluation Studies	GIS Mapping of the Floristic Composition at DMMMSU -SLUC in Rosario, La Union: Basis for Conservation and Management Plan	Aspiras, Beatriz E.	Oct. 2020 - June 2021	61,284.00	DMMMSU

No.	College/Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
74	CAS	Assessment and Evaluation	Trend Analysis of Basis Mathematics Thesis: An Input to Program Research Agenda Enhancement	Albay, Eduard M. Rivera, April J. Alambra, Ralph Vincent	June 2019 - Dec. 2020	36,860.00	DMMMSU
75		Pedagogies	Competencies of DMMMSU Science Educators on OBE Teaching Pedagogies in Science and Technology	Selga, Mary Corrine R. Pulido, Geraldine	Jan. 2019 - June 2020	49,800.00	DMMMSU
76			Work Text in Science, Technology and Society: Assessing its Impact on Learning Effectiveness	Selga, Mary Corrine Tadifa, Frederick	Jan. 2020 - June 2020	53,150.00	DMMMSU
77		Learning Packages and Test Materials Development	Development and Validation of A Course Book in Basic Genetics	Bandarlippe, Maria Cristina	Jan. 2019 - June 2020	10,000.00	DMMMSU
78			Culture Appreciation: An Input to teaching Structure in English Language through using OPM	Mandapat, Vilma B.	Jan. 2021 - Aug. 2021	10,000.00	DMMMSU
79		Pedagogies	The Edge Cover Coloring Number (ECCN) of Generalized Petersen and Cactus Graphs	Estrada, Tjaart	Jan. - Dec. 2021		DMMMSU
80	CCHAMS	Medicinal Plants	Formulation and Evaluation of Herbal Hand Sanitizer	Janna M Boado Gina L Domondon Marites E Rivera Chari V Rivo	6 months	60,000.00	DMMMSU
81		Healthcare Services to Special Groups	Awareness, Knowledge and Prevalence of Needle Stick Injury among Nurses in District Hospitals in La Union	Led Karen Zamudio	6 months	50,000.00	DMMMSU
82			Homecare Management Activities of Patients with High Cholesterol in La Union District Hospitals	Sherile Orejudos	6 months	50,000.00	DMMMSU
83		Public Health and Well-being	HIV/AIDS Knowledge and Awareness among DMMMSU Students	Revina Joy S Sobrepena	6 months	22,000.00	DMMMSU
84		Reproductive Health Care	Knowledge and Utilization of Modern Contraceptive Methods Among Women in Coastal Areas in Agoon, La Union	Salvador P Llavore	9 months	50,000.00	DMMMSU

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
85	CCS	Impact Assessment and Evaluation Studies	Students' Engagement Analysis in Computer Laboratory Courses of the College of Computer Science, DMMMSU-SLUC Deep Learning Approach	Charlie S Marzan Enrico G Dacanay Jocelyn I Ancheta	Jan. 2020 - Dec. 2021	35,100.00	DMMMSU
86		Computing Methodologies	Image-Based Magiefera Indica Pathogen Recognition Using Artificial Intelligence	Ma Jesecca C Baculo Nema Rose D Rivera Floribeth P Cuison	Jan. 2020 - Aug. 2021	7,700.00	DMMMSU
87		Information Systems	GIS-Based Health Profile Mapping for the Province of La Union	Anthony T Imatong Raymund E Dilan John Kalving Estilong	Jan. 2020 - June 2021	5,000.00	DMMMSU
88		Computing Methodologies	Resource Management of High Value Sea Cucumber Using Image Processing and Machine Learning	Raymund E Dilan Ara Rivina N Malaya Charlie S. Marzan Victoria N. Malaya	Jan. 2020 - Dec. 2022	36,000.00	DMMMSU
89		Applied Computing	On-line Leave Credits Management System of Bureau of Fire Protection -RO1	Nema Rose D Rivera Ma Conception B Mendoza Conrad D Basa Emely A. Munar	Jan. 2018 - Dec. 2020	34,280.00	DMMMSU
90	CA	Crops	On-Season Production of Different Sweet Pepper Varieties under Greenhouse and Open Field Condition	Johnny Corcha, Steve Serrano	2 years		DMMMSU
91	CA	Crops	Performance of Black Pepper Fertilized with Goat Manure as Organic Fertilizer	Terson Casi Christopher Cabalo	7 years		DMMMSU
92	CA	Crops	Performance of Black Pepper Fertilized with Different Rates of Inorganic Fertilizers	Terson Casi Christopher Cabalo	7 years		DMMMSU
93	CA	Food processing	Development of Dehydrated Candied Mulberry Fruit	Mary Ann Ysabel Y.Orpilla Anabella G. Valdez	2 years		DMMMSU

No	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
94	CA	Crops	Project 1. Production and Quality Collagen powder from Poultry Processing Scraps (Chicken Claws) Study 1. Production Yield of Collagen Powder as affected by Pretreatment Process and Kind of Raw Material Study 2. Physico-chemical and Sensory Quality of Collagen powder Study 3. Proximate Composition and Microbial Quality of Collagen Powder	Eden Mamaril Gerry Galvez	Jan. 2021 - Dec. 2021	41,500.00	DMMMSU
95	CA	Fish Processing	Production and Distribution of Ready to Eat Hygienically Dried, Vacuum Fried and Vacuum-packed fish products as quick response to covid 19 pandemic (cum research)	Anabella G. Valdez, Victoria N. Malaya	6 months 2 years (research component)	1,302,201.00	PCAARRD - DMMMSU

## Open University System (Internally and Externally-Funded)

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
96		Environment	Low Carbon Community: Case of the Municipality of Bauang, La Union, Philippines	Jayson O. Madayag	Jan. - Dec. 2021	8,250.00	DMMMSU
97		Health	Wound Care Products from Homonoia riparia Leaf Extract	Priscilla Abellera Meljo Apilado Ophelia RL Cardenas	Jan. - Dec. 2021	56,900.00	DMMMSU
98		Governance	Security & Safety of DMMMSU	Jouie L. Donato	Jan-Dec 2021	28,000.00	DMMMSU
99		Education	Project Title: Distance Learning & Edu Media Hub of the DMMMSU Open University System Study Title: Labor Market Survey/Research and Feasibility Study for the Offering of Degree/Certificate and Diploma Programs	Project Leader : Dr. Joanne C. Rivera  Study Leaders: Enrico G. Dacanay Cristita G. Guerra	Jan-Dec 2021	9,967,745.00 180,000.00	CHED

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
100		Governance	<p>Project Title: The Interface of Iloko-Igorot Cultures in the Tri-Boundary of La Union, Ilocos Sur and Benguet</p> <p>Study 1. The Iloko Code and Biag ni Lam-ang: Interfacing Igorot-Iloko Cultures in the Amburayan</p> <p>Study 2. Mapping of Wine &amp; Softbroom Production in Eastern La Union</p> <p>Study 3. Indigenous Land Use &amp; Ownership among Amburayan Communities</p> <p>Study 4. Indigenous Governance Mechanisms &amp; Peacebuilding in Amburayan</p> <p>Study 5. Indigenous Mountain Resource Use &amp; Riverine Biosystems Management</p>	<p>Project Leader: Farland D. Valera</p> <p>Study Leader: Grace Valdez</p> <p>Study Leader: Meljo Z. Apilado</p> <p>Study Leader: Farland D. Valera</p> <p>Study Leader: Jouie L. Donato</p> <p>Study Leader: Celso H. Jucutan</p>	Jan. 2020 - Dec. 2022	5,000,000	CHED
101		Education	<p>Project Title: Investigating Adult Education in the Philippines and in Southeast Asia Towards Empowering Higher Education Institutions in Implementing Sustainable Adult Education Programs</p> <p>Study Title: Development of Adult Education Framework for Philippine Higher Education</p>	<p>Project Leader: Dr. Felixberto M. Mercado Enverga University Foundation</p> <p>Study Leader:  Dr. Joanne C. Rivera</p>	Jan. 2020 - Dec. 2022	10,000,000	CHED

## Sericulture Research and Development Institute *(Internally and Externally-Funded)*

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
102	SRDI	Mulberry	Influence of different concentrations of ANAA on rooting and growth of cuttings of three (3) mulberry hybrids (Dipping of Cuttings of three (3) Mulberry Hybrids in Different Concentrations of ANNA.)	MA Dacayanan, CN Damasco JP Libunao M B Sampaga	January to March	7,692.50	Fund 101
103			Performance of Mulberry Hybrids and OPV Varieties as Affected by Different Distance of Planting and Pruning Systems in La Union	JP Libunao, MB Sampaga CN Damasco, MA Dacayanan	January to March	5,670.00	Fund 101
104			Financial Profitability Analysis on Cocoon Production involving Different Cultural Management Approaches in Sericulture Based Farming Systems  Documentation and Preparation of Instructional Materials on Cultural Cropping Systems and Fertilizer Management Practices	MM Caccam, JA Guiner RD Supsup	January to March	5,015.00	Fund 101
105			Production and Quality of Osmo-Dehydrated Mulberry Fruits	EF Mamaril, GN Galvez, JP Libunao MB Sampaga	January to March	7,615.00	Fund 101
106			Biochemical composition of different mulberry fruits	CN Damasco, MA Dacayanan, JP Libunao, MB Sampaga, CPacada, SAlvarez	January to March	8,230.00	Fund 101
107			Carbon sequestration capacity of promising mulberry varieties as affected by different distance of planting and pruning system in La Union	MB Sampaga, JP Libunao, CN Damasco, MA Dacayanan	January to March	5,385.00	Fund 101
108			Integrated Silk Industry RDE Program: A CHED-DM-MMSU Mullti-sectoral Partnership for Sericulture Technology Commercialization, Income Generation Climate Change Adaptation and Agri-seritourism	Lilia A. Ancheta Gerardo P. Dacayanan Pura S. Obille Cristeta F. Gapuz	January to March	5,938,030.00	Fund 101

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
109	SRDI		Project Title: Breeding of Hardy Silkworm Purelines. Development of sex-linked multivoltine silkworm purelines.	JP Abuan GE Supsup ME Ulat MM Viduya	January to March	42,763.00	Fund 101
110		Development of sex-linked multivoltine silkworm hybrids adaptable to adverse rearing season	Fund 101				
111		Cocoon and silk quality evaluation of sex-linked multivoltine silkworm hybrids	Fund 101				
112			Verification of Silkworm Rearing Technologies Under Local Conditions  Silkworm Rearing Performance and Cocoon Quality of Promising Silkworm DMMMSU Hybrids fed with Mulberry Supplemented with Botanical Extracts	JD Manuel JM Garcia	January to March	8,580.00	Fund 101
113			Silkworm Parental Hybrid Fed with Mulberry Supplemented with Botanical Extracts as Food Additives to the Growth, Yield and Egg Production Performance of Silkworm Parental Hybrids	JD Manuel RD Supsup	January to March	4,945.00	Fund 101
114			Impact of Different levels of Tawa-tawa ( <i>Euphorbia hirta</i> L.) extract on the Growth and Cocoon Yield Characters of <i>Bombyx mori</i> L	JM Garcia AM Jayme RESalazar GE Arellano	January to March	5,000.00	Fund 101
115			Mulberry varieties for young age rearing for 3rd instar silkworm production during wet and dry season	GE Arellano CM Almojuela EH Madrid & AM Badua	January to March	8,876.00	Fund 101
116			Mulberry varieties for late age silkworm rearing for cocoon production during wet and dry season				Fund 101
117			Isolation of bivoltine silkworm ( <i>Bombyx mori</i> L.) purelines for cocoon yield characters under prevailing conditions	ME Ulat, GE Supsup, MM Viduya, JP Abuan	January to March	25,000.00	Fund 101
118			Isolation of multivoltine silkworm ( <i>Bombyx mori</i> L.) purelines for cocoon yield characters under prevailing conditions				

No.	College/Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
119			Phytoecdysteroids: Improving Sericulture Productivity Extraction of phytoecdysteroids from locally available plants (Portulaca oleracea, Ipomoea pes-caprae, Achyrantes aspera)	EP Obra LA Ancheta RE Salazar JQ Higoy CE Salazar	January to March	35,877.00	Fund 101
120		Determination on the effects of phytoecdysteroids in terms of synchronization of maturation of silkworm Bombyx mori L. larvae and economic cocoon characters.	Fund 101				
121		Determination on the effects of phytoecdysteroids in terms of synchronization of maturation of silkworm Bombyx mori L. larvae and economic cocoon characters.	Fund 101				
122	SRDI	Post Cocoon Processing	Raw Silk Processing and Weaving Consumers' Acceptability of dyed Pure Dupion Silk Woven Fabric	AS Marquez RV Delfin MS Nillo FM Libunao	January to March		Fund 101
123			Seasonal Evaluation of Cocoons from different Agro-based Farms	JM Garcia RI Navasca FM Libunao	January to March		Fund 101
124			Developing an Inventory Management System Suited for Silk Production	AA Pai	January to March		Fund 101
125			Project Title: Silk Waste Management and Utilization Product Development Utilizing Reeling Waste for Noil Silk Production	RV Delfin, MS Nillo	January to March	33,471.50	Fund 101
126			Non-woven silk for Handicraft Production	RV Delfin	January to March	34,655.00	Fund 101
127			Product Development of Silk Hankies into Canvass from Art Craft and Crocheting Yarn Utilization Double cocoons	RV Delfin	January to March	32,158.50	Fund 101
128			Product Design and Development of cocoon Pelade Layer into Novelty Products	RV Delfin	January to March	16,781.50	Fund 101
129			Product Design and Development of Silk Hard Waste and Mulberry Branches into Silk Allied Products	RV Delfin	January to March	23,610.50	Fund 101

No.	College/Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
130			Project Title: Sericulture Tools, Implements and Machineries Development Technology Transfer of Speed Calibrated Improved Portable Winding Machine to Silk Weaving Association of Brgy. Sabilang, Btn, LU	RV Delfin, FM Libunao GG Gaudia	January to March	19,688.00	Fund 101
131			Design, construction/ fabrication and evaluation of Seri-humidifier	RV Delfin RD Supsup RV Pascua	January to March	15,000.00	Fund 101
132			Development and Evaluation of Motorized Deflossing Machine with Sorting Table	AA Pai FM Libunao RD Supsup	January to March	41,420.00	Fund 101
133			Project Title: Utilization of indigenous materials in wet silk processing  Quality assessment of silk yarn degummed with indigenous materials	DV Lopez, FM Libunao, FS Corpuz RA Sanchez	January to March	80,425.00	Fund 101
134			Quality assessment of shawls using natural dyed silk yarn				Fund 101
135			Comparative assessment of silk fabric dyed before and after weaving using the tie-dye method				Fund 101
136			Development of Vacuum Fried Silkworm Pupae (Bombyx mori.)	AA Pai EM Estabillo FM Libunao Zea Anquero	January to March	66,565.00	Fund 101

## National Apiculture Research, Training and Development Institute (*Internally and Externally-Funded*)

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
137	NARTDI	Bee Botany and Pollination	Nectar and Pollen Production of Major Bee Plants in Sapilang, Bacnotan, La Union	de Castro, David T. Pajarillo, Rolyne Mae C. Soliba, Mishima P. Ballada, Karen A.	January 2021-December 2021	169,545.00	GAA
138		Bee Pest and Diseases Management	Application of Indigenous Plants for the Control of Varroa Mites ( <i>Varroa destructor</i> A.) of Honeybees ( <i>Apis mellifera</i> L.)	de Castro, David T. Tabafunda, Minerva F. Acosta, Mac Donald C. Soliba, Mishima P. Pajarillo, Rolyne Mae C. Dangle, Emmanuel O. Garcia, Adora A.	January 2018-September 2021	287,350.00	GAA
139		Bee Product Production, Processing and Utilization	Physico-Chemical Analysis of Honeybee ( <i>Apis mellifera</i> ) Honey in Regions 1, 2, 3 & CAR	de Castro, David T. Akilith, Carolyn A. Pajarillo, Rolyne Mae C. Soliba, Mishima P. Acosta, Mac Donald C. Panas, Joseph A.	January 2017-September 2021	75,200.00	GAA
140		Bee Product Production, Processing and Utilization	Physico-Chemical Analysis of Honeybee ( <i>Apis mellifera</i> ) Collected Pollen in Regions 1, 2, 3 & CAR	de Castro, David T. Akilith, Carolyn A. Pajarillo, Rolyne Mae C. Soliba, Mishima P. Acosta, Mac Donald C. Panas, Joseph A.	March 2018-September 2021	217,000.00	GAA
141		Bee Product Production, Processing and Utilization	Physicochemical Characteristics, Bioactive Compounds, and Microbiological Quality of Domesticated Bee ( <i>Apis mellifera</i> L.) Honeys from Benguet and Mountain Province	Pajarillo, Rolyne Mae C. de Castro, David T. Soliba, Mishima P. Akilith, Carolyne A.	January 2021-December 2021	598,441.00	GAA

### North La Union Campus (*Externally-Funded Project*)

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget (in Php)	Funding Agency
1			Optimization and Popularization of Garlic Bulbils Production Through Improved Management Practices and Community-based Approaches in La Union	Cynthia M. Rodriguez Eladio E. Camalig, Jr. Kevin E. Elias Renato F. Limon Julius Caesar M. Amoyen Angelina V. Esguerra Emerita D. Galiste Rodolfo G. Nillo Analyn V. Sagun	October 2019 - October 2021	4,000,000.00	DA-BPI
2			Enhancing and Sustaining Production of Export Quality Carabao Mango in Support to Smallholder Rice Based Farmers in Region I	Angelina V. Esguerra Jeizel O. Labatete	December 2019 - December 2020	1,000,000.00	DA-RFU 1
3			Sustainable Feeding and Management Systems for Bolinao Chicken	Cynthia M. Rodriguez	February 2018 - December 2021	5,514,810.00	DOST - PCAARRD
4			Enhancing Pera's Farm for Science for the Convergence of Agriculture and Tourism Farm Development in La Union	Lilito D. Gavina Florendo Q. Damasco, Jr. Michelle Ann L. Cabiladas	October 2019 - September 2021	3,695,067.60	DOST - PCAARRD
5			Market Analysis and Product Development of Bolinao Native Chicken	Arnelie G. Laquidan	February 2018 - February 2021	4,494,420.00	DOST - PCAARRD
6			Mechanization and Assessment for Intensified Appropriate Technology on Silage Production Using Rice Straw After Combine Harvesting Project	Raffy M. Espiritu Delilah P. Dal-uyen Minerva J. Tabafunda Chester S. Libong	January 2020 - December 2021	1,000,000.00	DA-RFU 1
7			Development and Pilot Testing of Hand Tractor Driven Onion Harvester	Rosalinda L. Abad Delilah P. Dal-uyen Hipolito C. Buccat Roy N. Laquidan Julie Ann P. Sapitula Daniel Jovin V. Valmores	March 2020 - February 2022	4,684,358.00	PCAARRD

## Mid La Union Campus (Internally and Externally-Funded)

No.	College/ Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
8	College of Arts and Sciences	Socio Economic	Human Rights of the Human Left: Integration of Human Rights Education in the Curricula of SUCs in Region 1	Rozzane Victoria G. Buccat-Villamin Jericho E. Padilla Ma. Luisa B. Arnobit Lady Mae b. Calceron	January-December 2020	476,857.00	Commis- sion on Human Rights
9	College of Information Technology	Technical	Prescriptive Navigation through Vision- based Traffic Monitoring for City of San Fernando, La Union	Sheena I. Sapuay Alvin Malicdem MarydelEstira Jay Carlo Sabado	January-December 2021	998,000.00	DOST

## South La Union Campus (Internally and Externally-Funded)

v	College/ Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
10	CA	Fish Pro- cessing	Production and Distribution of Ready to Eat Hygienically Dried, Vacuum Fried and Vacuum-packed fish products as quick response to covid 19 pandemic (cum research)	Anabella G. Valdez, Victoria N. Malaya	6 months  2 years (research component)	1,302,201.00	PCAARRD - DMMMSU
11	CF	PCAARRD - DOST AATBI	PCAARRD-DMMMSU Agriculture, Aquaculture and Food Technology Business Incubator	Victoria A. Malaya Anabella G. Valdez	2 yrs	7,000,000.00	PCAARRD - DMMMSU
12	CF		Enhancing the Agri-Aqua Food Value Chain through SMART Technologies and Partnership towards Food Resiliency in the New Normal in Region 1	Victoria A. Malaya Dianne Peralta Anabella G. Valdez	Jan. 16, 2021 - Jan 15, 2022	3,150,000.00	PCAARRD - DMMMSU

## Open University System (Externally-Funded Projects)

No.	College/ Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
1		Education	Project Title: Distance Learning & Edu Media Hub of the DMMMSU Open University System	Project Leader :  Dr. Joanne C. Rivera	Jan-Dec 2021	9,967,745.00	CHED
			Labor Market Survey/Research and Feasibility Study for the Offering of Degree/Certificate and Diploma Programs	Study Leaders: Enrico G. Dacanay Cristita G. Guerra	Jan-Dec 2021	180,000.00	CHED

No.	College/ Institute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
		Governance	Project Title: The Interface of Iloko-Igorot Cultures in the Tri-Boundary of La Union, Ilocos Sur and Benguet	Project Leader: Farland D. Valera	Jan 2020 - Dec 2022	5,000,000.00	CHED
2			Stdy 1. The Iloko Code and Biag ni Lam-ang: Interfacing Igorot-Iloko Cultures in the Amburayan	Study Leader: Grace Valdez			
3			Stdy 2. Mapping of Wine & Softbroom Production in Eastern La Union	Study Leader: Meljo Z. Apilado			
4			Stdy 3. Indigenous Land Use & Ownership among Amburayan Communities	Study Leader: Farland D. Valera			
5			Stdy 4. Indigenous Governance Mechanisms & Peacebuilding in Amburayan	Study Leader: Jouie L. Donato			
6			Stdy 5. Indigenous Mountain Resource Use & Riverine Biosystems Management	Study Leader: Celso H. Jucutan			
		Education	Project Title: Investigating Adult Education in the Philippines and in Southeast Asia Towards Empowering Higher Education Institutions in Implementing Sustainable Adult Education Programs	Project Leader: Dr. Felixberto M. Mercado Enverga University Foundation	Jan 2020 - Dec 2022	10,000,000.00	CHED
7			Study Title: Development of Adult Education Framework for Philippine Higher Education	Study Leader: Dr. Joanne C. Rivera			

## Sericulture Research and Development Institute *(Internally and Externally-Funded)*

No.	College/Insti- tute/Section	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
1	Special Project		Integrated Silk Industry RDE Program: A CHED-DMMSU Multi-sectoral Partnership for Sericulture Technology Commercialization, Income Generation Climate Change Adaptation and Agri-seri-tourism	Lilia A. Ancheta Gerardo P. Dacayanan Pura S. Obille Cristeta F. Gapuz	January to March	5,938,030.00	CHED

## COMPLETED RESEARCHES

### North La Union Campus *(Externally-Funded Project)*

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
1	CAS		Listening Comprehension and Strategies of Low and High Proficient Listeners: Basis for Listening Enhancement Program	Hannah Nora A. Bayogan	January 2020 - September 2020	16,900.00	DMMMSU
2			Sensitivity Analysis and Simulations of SIR (Susceptible-Infected-Recovered) Model for Dengue	Ronica M. de Leon	January 2020 - March 2021	1,250,000.00	DMMMSU
3			Sustainable Feeding and Management Systems for Bolinao Chicken	Cynthia M. Rodriguez	Feb. 2018 April 2021	5,514,810.00	DOST-PCAARRD

### Mid La Union Campus *(Externally-Funded Project)*

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
4	College of Information Technology	Education	Investigating the Employment Profile and Performance of MIT Graduates Towards development of MIT Action Plan for the Student Development Program	Alvin R. Malicdem Mark Kristian Ledda	Jan.to Dec.2020	14,000.00	DMMMSU
5		Education	Engagement of Introvert of BS Information Technology Students in the ULMS App	Zhella Anne V. Nisperos	Jan.to Dec.2020	3,000.00	DMMMSU
6		Education	ICT Proficiency of DMMMSU-MLUC Personnel: Basis for Training Design	Marydel F. Carrera Vanessa L. Sobrepeña	Jan.to Dec.2020	3,250.00	DMMMSU
7		Education	Evaluation of the CIT in Administration: An Input to policy Formulation	Eduardo C. Corpuz Bernardo Lamadrid	Jan.to Dec.2020	5,000.00	DMMMSU
8	College of Technology	ICT	Predicting IT Graduates Employability in GOs and LGUs using K-Mean, Naïve Bayes and Support Vector Clustering	Sheena Sapuay	Jan.to Dec.2020	3,000.00	DMMMSU
9	College of Engineering	Education	A Workbook in Electric Circuits 3	Lorenzo L. Bacani	Jan. to June 2020	3,500.00	DMMMSU
10		Education	Development of Laboratory Manual in Electric Circuits	Lorenzo L. Bacani		3,500.00	DMMMSU
11	College of Graduate Study	Education	Awareness and Satisfaction of Student Affairs and Services in the College of Graduate Studies	Manolito Dela Cruz	Jan. to June 2020	52,130.00	DMMMSU

12	Research Unit		English Writing Competence of the Grade 4 Pupils of DMMMSU-MLUC: Basis for a Skill Book in Writing	Sheryll M. Valmores	Jan.to Dec.2020	4,150.00	DMMMSU
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## South La Union Campus *(Externally-Funded Project)*

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
13	CCS	Applied Computing	Learning Management System of the Don Mariano Marcos Memorial State University-South La Union Campus	Raymund Dilan Darwin C Llavore Mark Anthony C Gali	January 2020 - December 2020	5,000.00	DMMMSU
14	CCS	Applied Computing	Mobile Grade Viewer	Kristoffer A Cacayuran Emely A Munar Carlos A Villanueva	January 2019 - February 2020	28,600.00	DMMMSU
15	CA	Ready to Eat Value added fish products	Production and Distribution of Ready to eat Hygienically Dried, Vacuum Fried and Vacuum-packed fish products as quick response to covid 19 pandemic	Anabella G. Valdez	6 months	1,25,210.00	DOST-PCAARRD

## Sericulture Research and Development Institute *(Externally-Funded Project)*

No.	Unit	Research Agenda	Researcher Title	Researcher(s)	Duration	Budget	Funding Agency
16	SRDI	Mulberry	Biochemical composition of different mulberry fruits	CN Damasco,MA Dacayanan, JP Libunao,MB Sampaga, CPacada,SAlvarez			Fund 101
17	SRDI	Silk Processing/ Product Development	Quality assessment of shawls using natural dyed silk yarn	DV Lopez,FM Libunao, FS Corpuz,RA Sanchez			Fund 101
18	SRDI	Silkworm	Impact of Different levels of Tawa-tawa ( <i>Euphorbia hirta</i> L.) extract on the Growth and Cocoon Yield Characters of <i>Bombyx mori</i> L	JM Garcia AM Jayme RESalazar GE Arellano			Fund 101

Project Title: Enhancing and Sustaining of Production of Expert Quality Carabao Mango in Support to Smallhood Rice Based from Farmer in Region 1



Project Cost: Php 1,000,000.00  
Funding Agency: DA-RFO 1



Dr. Analyn V. Sagun  
Project Leader

Project Title: Optimization and Population of Garlic Bulbils Production through Improved Management Practices and Community Based Approaches in La Union



Project Cost: Php 1,000,000.00  
Funding Agency: DA-RFO 1



Dr. Eladio E. Camalig, Jr.  
Project Leader

Project Title: Upgrading of Animal Health



Project Cost: Php 4,999,800.00  
Funding Agency: DA-ACEF



**Elizabeth L. Tangangco**  
Project Leader

Project Title: Enhancing and Sustaining Production of Garlic through Tissue Culture derived Planting Materials



Project Cost: Php 4,200,000.00  
Funding Agency: DA-BPI



**Julius Caesar Amoyen**  
Project Leader

Project Title: Mechanization and Assessment for Intensified Appropriate Technology on Silage Production using Rice Straw after Combine Harvesting Project (MAIAT)



Project Cost: Php 1,000,000.00  
Funding Agency: DA-BAR

**Raffy M. Esperitu**  
Project Leader

Project Title: Enhancement of Rocapor's Farm for Science for the Convergence of Agriculture and Tourism (SCICAT) FarmTourism Development in La Union



Project Cost: Php 893,178.40  
Funding Agency: DOST-PCAAARD

**Prof. Lilito Gavina**  
Project Leader

## Project Title: Development and Pilot Testing of Hand Tractor Driven Onion Harvester



Project Cost: Php 2,181,059.00  
Funding Agency: DA-PCAAARD

**Rosalinda Abad**  
Project Leader

## Project Title: Sustainable Production, Marketing and Utilization of Improved Bolinao Chicken in Ilocos Region



Project Cost: Php 4,474,028.75  
Funding Agency: DA-PCAAARD

**Dr. Cynthia Rodriguez**  
Project Leader

## NLUC RESEARCH OUTPUTS CITED IN SCIENTIFIC PUBLICATIONS (WOS/Scopus-indexed Publication, CHED-accredited Journals)

No.	Unit	Title of Article Cited	Author of Article Cited	Year Cited	Title of Citing Article	Title of Citing Journal/Book	Publisher of Citing Journal/Book	Indexing Body	ISSN
1	IES	Groundwater of Leachates Quality Assessment in Balaoan Sanitary Landfill in La Union	Mario B. Mendoza et al.	2021	Goelectrical Method for detecting Limit of Liquid Waste Flowing Below the Surface at Piyungan Landfill	Journal of Physics: Conference series	The Electrochemical Society		1742-6588
2	IES	Effectiveness of Vetiver (Vetiver zizanoides) in Purifying Wastewater from Pig Farm	Leonora E. Ngilangil Joana N. Quinquito	2021	Integrated Anaerobic-Aerobic and Wetland System for Wastewater treatment and Recycling in Fish Canning Industry	Chemical Engineering Transactions	The Italian Association of Chemical Engineering		2283-9216
3	CE	*Performance of Teacher Education Graduates, DMMM-SU-NLUC, Philippines in the Licensure Examination CY 2011 to 2013	Virginia O. Rudio	2021	Study on the Operation Status and Improvement Plans for Graduate Schools	Turkish Journal of Computer and Mathematics Education	TURK-BILMAT Education Services		1309-4653

## SLUC RESEARCH OUTPUTS CITED IN SCIENTIFIC PUBLICATIONS (WOS/Scopus-indexed Publication, CHED-accredited Journals)

No.	College/Institute/Section	Title of Article Cited	Author of Article Cited	Year Cited	Title of Citing Article	Title of Citing Journal/Book	Publisher of Citing Journal/Book	Indexing Body	ISSN
4	CCHAMS	Predictors of Cultural Competencies Among Nursing Students in The Philippines: A Cross Sectional Study	Jonas Cruz; Joel Estacio; Cristeta Bagtang; Paolo Colet	2021	Intercultural Readiness of Nursing Students: An Integrative Review of Evidence Examining Cultural Educational Intervention	Nurse Education in Practice	Elsevier	Wed of Science; Scopus; MEDLINE; PubMed	1471-5953
5	CCHAMS	Predictors of Cultural Competencies Among Nursing Students in The Philippines: A Cross Sectional Study	Jonas Cruz; Joel Estacio; Cristeta Bagtang; Paolo Colet	2021	The Effect of Ethnocentrism and Moral Sensitivity on Intercultural in Nursing Students, Descriptive Cross-Sectional Research Study	Nurse Education Today	Elsevier	Wed of Science; Scopus; MEDLINE; PubMed	0260-6917

No.	College/ Institute/ Section	Title of Article Cited	Author of Article Cited	Year Cited	Title of Citing Article	Title of Citing Journal/Book	Publisher of Citing Journal/Book	Indexing Body	ISSN
6		Predictors of Cultural Competencies Among Nursing Students in The Philippines: A Cross Sectional Study	Jonas Cruz; Joel Estacio; Cristeta Bagtang; Paolo Colet	2021	Cultural Sensitivity and Attitudes Towards Refuges of Turkish Nursing Students: A Cross Sectional Descriptive Study	International Journal of Intercultural Relations	Elsevier	Wed of Science; Scopus; MEDLINE; PubMed	0147-1767
7	CCHAMS	Predictors of Cultural Competencies Among Nursing Students in The Philippines: A Cross Sectional Study	Jonas Cruz; Joel Estacio; Cristeta Bagtang; Paolo Colet	2021	Cultural Competence Among Pre-Graduate Nursing Students, New Graduate Nurses, Nurse Mentors and Registered Nurses: A Comparative Study	Nurse Education Today	Elsevier	Wed of Science; Scopus; MEDLINE; PubMed	0260-6917
8	CCHAMS	Predictors of Cultural Competencies Among Nursing Students in The Philippines: A Cross Sectional Study	Jonas Cruz; Joel Estacio; Cristeta Bagtang; Paolo Colet	2021	Adaptation on Intercultural Sensitivity Scale of Turkish Medical Students	BMC Medical Education	Springer	Wed of Science; Scopus; MEDLINE; PubMed	142-6920
9	CCHAMS	A Muticountry Perspective on Cultural Competencies Among Baccalaureate Nursing Students	Jonas Preposi Cruz, Alexis Nacionales Aguinaldo Joel Estacio; Abdullelah Alotaibi Sibel Arguavanli Arguavanli Arcalyn Rose Ramos Cayaban	2021	Cultural Competence Among Pre-Graduate Nursing Students, New Graduate Nurses, Nurse Mentors and Registered Nurses, A Comparative Descriptive Study	Nurse Education Today	Elsevier	Web of Science\ Scopus MEDLINE PubMed	0260-6917
10	CAS-BPSD	In Vitro antitumor properties of an isolate from leaves of Cassia Alata	Elizabeth Olarte	2013	Inhibitory effects on chondrosarcoma cell metastasis by senna alata extract	Biomedicine and Pharmacotherapy	Elsevier	Scopus	0753-3322
11	CAS-BPSD	In Vitro antitumor properties of an isolate from leaves of Cassia Alata	Elizabeth Olarte	2013	Low cytotoxicity and antiproliferative activity on cancer cells of the plant senna alata	Revista de Biologia Tropical	Elsevier	Scopus	0034-7744

## RESEARCH OUTPUTS PUBLISHED IN SCIENTIFIC JOURNALS (WOS/Scopus-indexed, CHED-accredited, DMMMSU R&E Journal)

### NLUC RESEARCH OUTPUTS PUBLISHED IN SCIENTIFIC JOURNALS (WOS/Scopus-indexed, CHED-accredited, DMMMSU R&E Journal)

No.	College/ Institute/ Section	Title of Article	Author(s)	Date Published	Journal Title	Publisher	Indexing Body	ISSN
1	CAFF	Remotely Sensed Tree Canopy Cover-Based Indicators for Monitoring Global Sustainability and Environmental Initiatives	Ronald C. Estoque Brian A. Johnson Yan Gao Rajarshi DasGupta Makoto Oobra Takuya Togawa Yasuaki Hijioka Yuji Murayama Lilito D. Gavina Rodel D. Lasco Shogo Nakamura	April 1, 2021	Environmental Research Letters	IOP Publishing		1748-9326

### SLUC RESEARCH OUTPUTS PUBLISHED IN SCIENTIFIC JOURNALS (WOS/Scopus-indexed, CHED-accredited, DMMMSU R&E Journal)

No.	College/ Institute/ Section	Title of Article	Author(s)	Date Published	Journal Title	Publisher	Indexing Body	ISSN
2	CE	Cooperating Teachers' Feedback on the Self Evaluated Soft Skills of Pre-Service Teachers	Zita D. Ballesteros/Raphael Job R. Asuncion	January 2021	Elementary Education Online	Elementary Education Online	SCOPUS	1305-3515
3	CAS	Performance Task Assessment supported by the design thinking process: Results from true experimental research	Eduard Albay Delia Eisma	2021	Social Science and Humanities	Elsevier	Scopus	100116
4	CE	Content Analysis of the K to 12 Junior High School Geography Curriculum in the Philippines	Arnie G. Dizon	April 2021	International Research in Geographical and Environmental Education	Routledge, Taylor & Francis	Clarivate Analytics' Web of Science Core Collection: Emerging Sources Citation Index (ESCI)	1038-2046

## INVENTIONS/CREATIONS REGISTERED IN IPOPHIL

### MLUC INVENTIONS/CREATIONS REGISTERED IN IPOPHIL

No.	College/ Institute/ Section	Title of Research	Title of Invention/ Creation	Type of IP Registration	Inventor(s)/ Maker(s)/ Designer(s)/ Creator(s)	IP Registration Number	Date Issued
1	College of Education	Interactive Instructional Materials in Teaching Science IV	Interactive Instructional Material- Erzan and His Wild Adventures	Copyright	Ever F. Acosta	C02021-03	January 4, 2021
2	College of Education	Interactive Instructional Materials in Teaching Science IV	Interactive Instructional Material- #Soil in Wanderland	Copyright	Ever F. Acosta	C02021-04	January 4, 2021
3	College of Education	Interactive Instructional Materials in Teaching Science IV	Interactive Instructional Material- Erzan and His Wild Adventures	Copyright	Ever F. Acosta	C02021-05	January 4, 2021

### SLUC INVENTIONS/CREATIONS UTILIZED/COMMERCIALIZED

No.	College/ Institute/ Section	Title of Research	Title of Invention/ Creation	Type of Inven- tion/Creation (Patent, Utility Model, Industrial Design, Layout, Trademark, Copyright)	Patented/ Non- patented	Inventor(s)/ Maker(s)/ Designer(s)/ Creator(s)	Year Generated	Year Utilized/ Commercialized	Beneficiary
1	CA	Development of Chevron Products from Slaughter Goat	Chevon Bulgogi in retort pouch	Utility Model	Patented	Anabella G. Valdez	2017	2021	Technology Adopter Goat Farmer
2	CA	Development of Chevron Products from Slaughter Goat	Bitter Chevron Stew	Utility Model	Patented	Anabella G. Valdez	2016	2021	Technology Adopter Goat Farmer
3	CA	Development of Chevron Products from Slaughter Goat	Chevon Sisig	Utility Model	Patented	Anabella G. Valdez	2017	On-going Negotiation	Technology Adopter Goat Farmer
4	CA	Development of Chevron Products from Slaughter Goat	Chevon with Tamarind Soup	Utility Model	Patented	Anabella G. Valdez	2016	On-going Negotiation	Technology Adopter Goat Farmer

## RESEARCH AWARDS AND RECOGNITION

### SRDI RESEARCH AWARDS AND RECOGNITION

No.	College/ Institute/ Section	Title of Award	Awardee(s)	Award-giving Institution	Scope (International, National, Regional, Local)	Venue	Event	Date
1	SRDI	3rd place Poster Research Category	Garizaldy G. Gaudia	ILAARRDEC	Regional		Zoom	March 16-17, 2021

### V. RESEARCH OUTPUTS DISSEMINATED/PRESENTED IN FORA/CONFERENCES

#### NLUC RESEARCH OUTPUTS DISSEMINATED/PRESENTED IN FORA/CONFERENCES

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
1	College of Agriculture	Influence of Multi-Rootstock on the Growth and Development of 'Magallanes' Pomelo (Oral Presentation)	Analyn V. Sagun Cherisse May S. Libunao	Regional Symposium on R&D Highlights 2021	Regional	Conference Room, IRLA Building, Sapilang, Bacnotan, DMMMSU, La Union	March 16-17, 2021
2	Research	Propagation of Ginger Plant in Various Media (Poster Category)	Genaro D. Omo	Regional Symposium on R&D Highlights 2021	Regional	Conference Room, IRLA Building, Sapilang, Bacnotan, DMMMSU, La Union	March 16-17, 2021

## MLUC RESEARCH OUTPUTS DISSEMINATED/PRESENTED IN FORA/CONFERENCES

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
3	College of Education	Factors Influencing the Academic Performance in Physics of DMMMSU-MLUC Laboratory High School Fourth Year Students	Noemi M. Boado	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
4	College of Education	Predictors of the National Achievement Tests Performance of DMMMSU-MLUC High School Students	Myal A. Guba	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
5	College of Education	Bachelor of Elementary Education-Generalist Program of DMMMSU-MLUC: An Evaluation	Josephine E. Cacayan	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
6	College of Education	Motivational Factors of Graduate Students Pursuing Master and Doctoral Degrees at DMMMSU Graduate Studies	Frederick M. Manuel	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
7	College of Education	Effects of Flipped Instruction on the Performance and Attitude of CTED High School Students in Mathematics IV	Remalyn Q. Casem	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
8	College of Education	Anxiety in Spoken Language of the College of Technical Education	Josephine V. Gimpaya	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
9	College of Education	Competence in Information Technology of the Faculty of the College of Technical Education	Myal A. Guba	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
10	College of Education	Development of Module in Geography	Andrea Amor L. Dimalibot	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
11	College of Education	Comprehensibility Strategies of Technology Teachers of the College of Education, DMMSU- MLUC	Cristina B. Baliton	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
12	College of Education	Analysis on the CTED Repeaters Performance in Licensure Examination for Teachers: Input to a Refresher Program	Noemi M. Boado	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
13	College of Education	Impact of Extension Programs of DMMSU- MLUC, CTED	Frederick M. Manuel	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
14	College of Education	Development of Module in General Chemistry	Joana L. Abando	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
15	College of Education	Development of Module in General Chemistry	Joana L. Abando	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
16	College of Education	Practice Teaching Competencies of the Fourth Year BEED Students of DMMSU- MLUC	Josephine E. Cacayan	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
17	College of Education	Reading Comprehension Level of Pupils: Basis for Supplementary Reading Material	Dyan T. Abulaban	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
18	College of Education	Student Leadership Styles of Higher Education Institutions in the Province of La Union	Ace T. Ceremonia	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
19	College of Education	Interactive Instructional Materials in Science 4	Ever F. Acosta	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
20	College of Education	Three Year Development Plan for Parents' Involvement, Services, Operations for Health, Education, Livelihood and Partnerships (PISO HELP) Program	Sharlane Gay Elaine V. Fabrigas	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
21	College of Education	Awareness of and Satisfaction with Student Affairs and Services in the College of Technical Education, DM-MMSU- MLUC	Estella A. Cayabyab	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
22	College of Education	LET Readiness of the 4th Year Education Student: Basis for an Intervention Program	Maricris Gubiangan	College Multidisciplinary Research Conference on Education (College of Education Research Colloquium)	Local	Via Google Meet	February 24, 2021
23	College of Management	Employee Retention Rate among the DOT- Accredited Hotels in the City of San Fernando, La Union	Rahfie C. Nullar	2nd Northern Philippines Business Research Conference	Regional	Northwestern University College of Business Education, Laoag City	February 18-19, 2021

## SLUC RESEARCH OUTPUTS DISSEMINATED/PRESENTED IN FORA/CONFERENCES

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
24	CAS	Framing Science in the Time of Covid 19 Pandemic: A Critique of CNN's Global News Reportage	Ernesto Collo	Communication and Media Studies Conference 2021	International	Webinar	March 19-20,2021
25	CA	Chevon Dishes in Retort Pouch	Anabella G. Valdez	Online Technology Webinar Pitching: Tech Perfect Webinar	National	Virtual	March 25, 2021
26	CA	Chevon Products in Retort Pouch	Anabella G. Valdez	DOST Tech-Talk Episode 1	National	Virtual	March 17, 2021

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
27	CCHAMS	Awareness, Knowledge and prevalence of Needle Stick Injury in District Hospitals in La Union	Led Karen R. Zamudio	13th Manila Doctors College of Nursing Research Congress: "Resiliency and Innovation through Nursing Research: A Vision for Future Healthcare"	International (Poster Presentation)	Virtual	May 12, 2021
28	CCHAMS	Home Care Management Activities of Patients with High Cholesterol in La Union District Hospitals	Sherille A. Orejudos	13th Manila Doctors College of Nursing Research Congress: "Resiliency and Innovation through Nursing Research: A Vision for Future Healthcare"	International (Poster Presentation)	Virtual	May 12, 2021
29	CCHAMS	Knowledge and Utilization of Modern Contraceptive Methods among Women in Coastal Areas in Agoo, La Union	Salvador P. Llavore	13th Manila Doctors College of Nursing Research Congress: "Resiliency and Innovation through Nursing Research: A Vision for Future Healthcare"	International (Poster Presentation)	Virtual	May 12, 2021

## SRDI RESEARCH OUTPUTS DISSEMINATED/PRESENTED IN FORA/CONFERENCES

No.	College/ Institute/ Section	Research Title	Researchers	Scientific Forum	Scope (International, National, Regional, Local)	Venue	Date
30	SRDI	Improving Silk Yarn and Silk Fabric Using various Edible Oils as Pre-Treatment	Garizaldy G. Gaudia	32nd ILAARRDEC Regional Symposium on R&D Highlights	Regional	Zoom presentation	March 16-17, 2021

## RESEARCH OUTPUTS PUBLISHED



Joan S. Valdez Anny Ross A. Bayan Jomar L. Aban  
 “Perceptions on the Competency of Science Teachers along Instruction in a State University in the Philippines”



Genaro D. Omo Bernardita E. Arbollente Junifer Rey E. Tabafunda  
 “Growth and Yield Performance of Finger Pepper (*Capsicum annum* L.) Django R, Variety as Affected by the Frequency of Spraying with Mature Coconut (*Cocos Nucifera* L.) Water Stored in Various Conditions”



Elma S. Ocampo Rowena D. Carreon Virginia O. Rudio  
 “Students Teachers’ Perceptions Toward Elementary Education Student Teaching Program in the Philippines”



Criselda G. Sarfo Jomar L. Aban  
 “Knowledge, Attitudes, and Practices on the Six Common Teaching Strategies of Tertiary Level Teachers and Students: A Brief Cross Sectional Case Report”



Nora Oredina  
 “Teacher’s Competence and Students’ Academic Performance in Mathematics: A Brief Cross-Sectional Case in Don Mariano Marcos Memorial State University, Philippines”



Desiree A Vilar Leonora E. Ngilangil  
 “Effective Microorganisms as Remediation for Marginal Soil in the Philippines”



“Towards a 21st Century Mathematics Classroom: Investigating the Effects of the Problem-Solving Approach Among Tertiary Education Students”



“Effectiveness of Vetiver (Vetiver Zizanoides) in Purifying Wastewater from Pig Farm”



“Modeling Academic Ventures of Students”  
Palarch’s Journal of Archaeology  
of Egypt/Egyptology



“Collaborative Team Teaching (CTT in Major Subjects Among the Program Offerings in University: Input to 21st Century Teaching-Learning Process”



“Content Analysis of K to 12 World History Teaching Guides in terms of Teaching Approaches”



“Randomized controlled trial on the effectiveness of web-based Genomics Nursing Education Intervention for undergraduate nursing students: a study protocol”



“Innovation and Quality Management in Higher Education/ Innovative Mechanisms for Political Participants and Motivations for Affiliation Among Student Leaders in Higher Education”

As for IP registration, we have a total of 72 registrations, 11 of which are utility models, 41 filed utility models, and 20 filed copyrights and industrial designs.

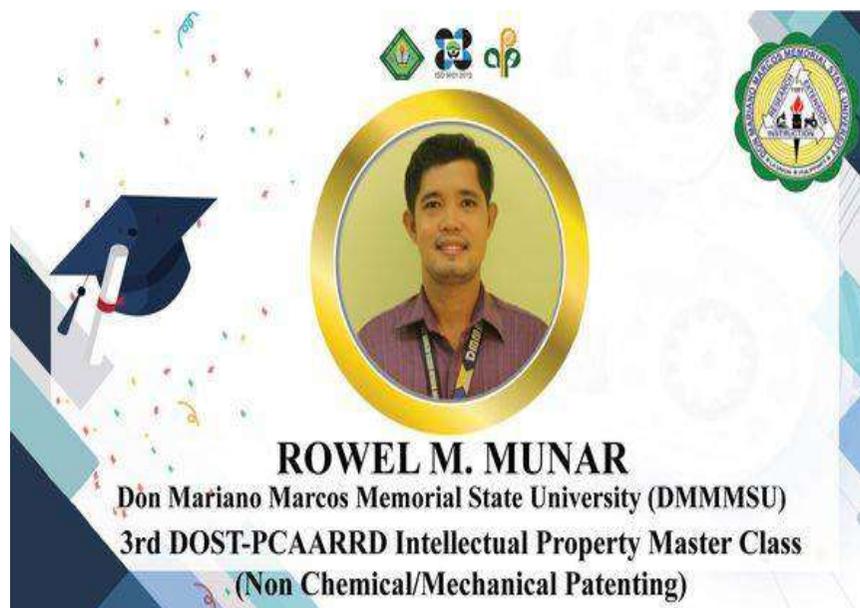
## IP Registrations

Number of utility models	:	11
Number of filed utility models	:	41
Number of filed copyrights and industrial designs	:	20

Because of the number of utility models we registered, we were recognized by DOST-PCAARRD as the 2020 Top Intellectual Property Filer in the Philippines for Utility Models by Intellectual Property Office Philippines.



With the help of our DOST-PCAARRD IP MASTER CLASS GRADUATES, ENGR. RUBELYN V. DELFIN and ENGR. ROWEL M. MUNAR, we hope to increase these number of registrations.



The COVID-19 pandemic may have limited movement and transportation to carry out extension projects and community outreaches but it has not completely hindered the University from delivering services.

Because of the undaunted spirits of DMMMSU employees, the following remarkable accomplishments in extension were made:

No. of recognized extension programs	<b>142</b>
No. of research-based extension programs/projects approved	<b>125</b>
No. of technology adopters	<b>1,148</b>
No. of technology transferred	<b>35</b>
No. of trainings conducted	<b>151</b>
No. of persons trained	<b>35,374</b>
No. of Clients Served	<b>42,388</b>
No. of extension/outreach activities	<b>15</b>



In 2019, we served only 10,503 clientele. The sudden surge in 2020 is attributed to the use of online livestreaming of most of our extension programs and activities which means that the pandemic did not limit us from implementing our extension programs.

Through our Kapihan sa DMMMSU initiated by DOUS, we were able to reach thousands of clients via online.



# KAPIHAN SA DMMMSU

@ THE OPEN UNIVERSITY SYSTEM

**LIVE**

**DZAG 97.1 MHZ**  
Radyo Pilipinas Agoo

**LIVE STREAMING**

<https://www.facebook.com/DMMMSUopenuniversity/>  
<https://www.facebook.com/dzag97.1fm/>

# Project **TANGLAW**



**26** events

**7k+** views

**10k+** reached



## Rehabilitation Program:

Assessment of Clients with Department of Justice, Parole and Probation Administration RO1



## Webinar on Mental Health and Wellness

DOUS FB Page: 4.5k views, 68 shares



## Kapihan sa DMMMSU @ OUS MOA Signing and Launching

DOUS FB Page: 1.7k views, 3,466 people reached, 14 shares

## Department of Education on Flexible Learning

DOUS FB Page: 2k views, 3,014 people reached, 4 shares



TESDA on Flexible Learning

DOUS FB Page: 1.2 views, 2,338 people reached, 2 shares

Agriculture “Agmula Tayo”

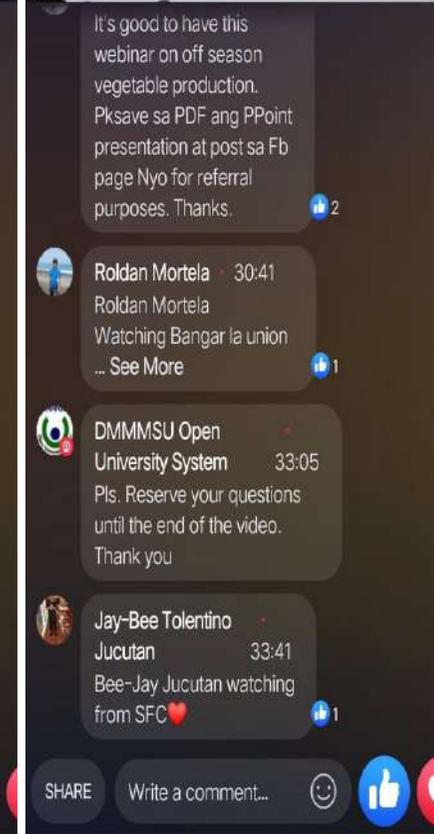
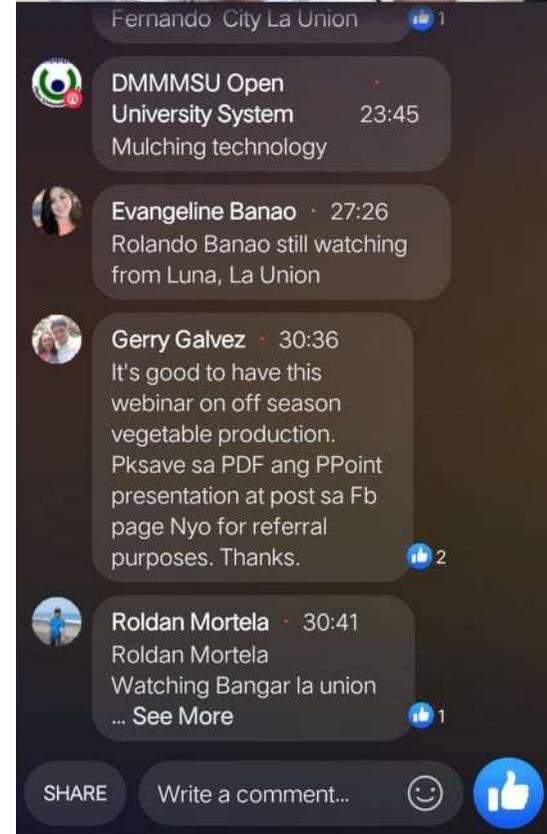
DOUS FB Page: 1.6k views, 125 reached, 3 shares



Fer-Gie Navarro's Farm - "Agmula Tayo"  
DOUS FB Page: 1.8k views, 4,275 reached, 34 shares



Off-Season Vegetable Production Technology  
"Gulayan sa Tag-ulan"  
DOUS FB Page: 1.8k views, 2,457 reached, 263 engagement



Apiculture “Beekeeping Technology”

DOUS FB Page: 1.1k views, 2,454 people reached, 29 shares

Silkworm Production

DOUS FB Page: 1.2k views, 2,249 reached, 14 shares



## “S.I.D.A. Sa Isda, Dodoble Ang Kita”

DOUS FB Page: 1.7k views, 3,334 people reached, 28 shares

## Distribution of Seedlings to DOJ - PPA Region 1 District 1

60 Clients



CSC 120th Anniversary sponsored by CSC RO1  
DOUS FB Page: 2,017 people reached, 2 shares

NEDA on Ilocos Region Recovery Program  
DOUS FB Page: 1.3 views, 1,006 people reached, 2 shares



## DTI on Ilocos Region Recovery Program

DOUS FB Page: 842 views, 2,347 people reached, 11 shares

## DOLE on Ilocos Region Recovery Program

DOUS FB Page: 734 views, 577 people reached, 2 shares



Special Episode on Education Sector - CHED, TESDA, DepEd  
DOUS FB Page: 754 views, 1.6k people reached, 10 shares, 422 engagement

DILG Region 1 on Regional Recovery Program  
DOUS FB Page: 517 views, 1,166 people reached, 13 shares



Kapihan sa DMMMSU features DILG Region 1 with Ms. Editha Castillo-Soriano as guest via live stream.





**DOH Regional Recovery Program**

DOUS FB Page:  
1.3k views,  
3,081 people reached,  
13 shares



**DSWD Regional Office 1 on Recovery Program**

DOUS FB Page:  
253 people reached, 4  
shares

Department of National Defense - Office of the Civil Defense  
Region 1

DOUS FB Page: 845 views, 937 people reached, 6 shares



Philippine Health Insurance Corporation Region 1

DOUS FB Page: 512 views, 990 people reached, 241 engagements





**Department of Tourism Region 1**  
DOUS FB Page: 837 vietws, 1,763 people reached, 18 shares



**Department of Information and Communications Technology**  
DOUS FB P age: 249 views, 564 reached, 11 shares



### Commission on Human Rights Region 1

DOUS FB Page:  
375 views,  
837 people reached,  
4 shares



OUTREACH  
ACTIVITIES





Isabela Relief Operation (November 20, 2020)



Arubayan Intay Dalusan (October 22, 2020)

Seminar on Occupational Safety and Health (OSH)  
100 teachers/personnel, Luna NHS  
December 18, 2020

For FY 2020, we received Php 1,129,836,000.00 from the General Appropriations Act. Php 334,125,000. 00 of which was utilized for Capital Outlay.

DESCRIPTION		FUND SOURCE	ABC (in Php)	REMARKS
<b>NLUC</b>				
1	Repair of Administration Building	GAA	15,000,000.00	Completed
2	Construction of Male Dormitory	GAA	30,000,000.00	Completed
3	Repar of Highschool Building	GAA	1,110,000.00	Completed
4	Repair of College of Veterinary Medicine	GAA	2,050,000.00	Completed
5	Repair of Old RDE/Administration and Training Complex Building, SRDI	GAA	10,000,000.00	Completed
6	Completion of International Convention and Training Center,	GAA	16,500,000.00	Completed
7	Rehabilitation of DPERF Administration	GAA	10,000,000.00	Completed
<b>MLUC</b>				
1	Completion of MLUC Library	GAA	28,000,000.00	On-going
2	Completion of Administration Building	GAA	37,000,000.00	On-going
3	Rehabilitation of MLUC Dormitory	GAA	10,000,000.00	Completed
4	Completion of BSEMT Academic Building	GAA	8,000,000.00	Completed
5	Rehabilitation of College of Technology Shop (Automotive) Building	GAA	25,000,000.00	On-going
6	Repair of College of Gradute Studies	GAA	15,000,000.00	Completed
<b>SLUC</b>				
1	Completion of Men's Dormitory	GAA	8,000,000.00	Completed
2	Rehabilitation of Ladies Dormitory	GAA	3,000,000.00	Completed
3	Completion of CAS Building	GAA	13,500,000.00	Completed
4	Completion of CoE Education Tech Center Building	GAA	7,000,000.00	Completed
5	Rehabilitation of CCS Academic Building	GAA	22,000,000.00	On-going

### STATUS REPORT OF INFRASTRUCTURE PROJECTS CY 2021

	Construction of Green Administration Building, Phase 1	GAA	50,000,000.00	On-going
	Completion pf the Material Recovery Facility , MLUC	GAA	20,000,000.00	On-going
	Completion of College of Arts and Sciences, MLUC	GAA	80,000,000.00	On-going



**Repair of Administration Building (15 Million)**



**Construction of Male Dormitory (30 Million)**



**Rehabilitation of DPERF Administration (10 Million)**



Repair of Highschool Building (1.11 Million)

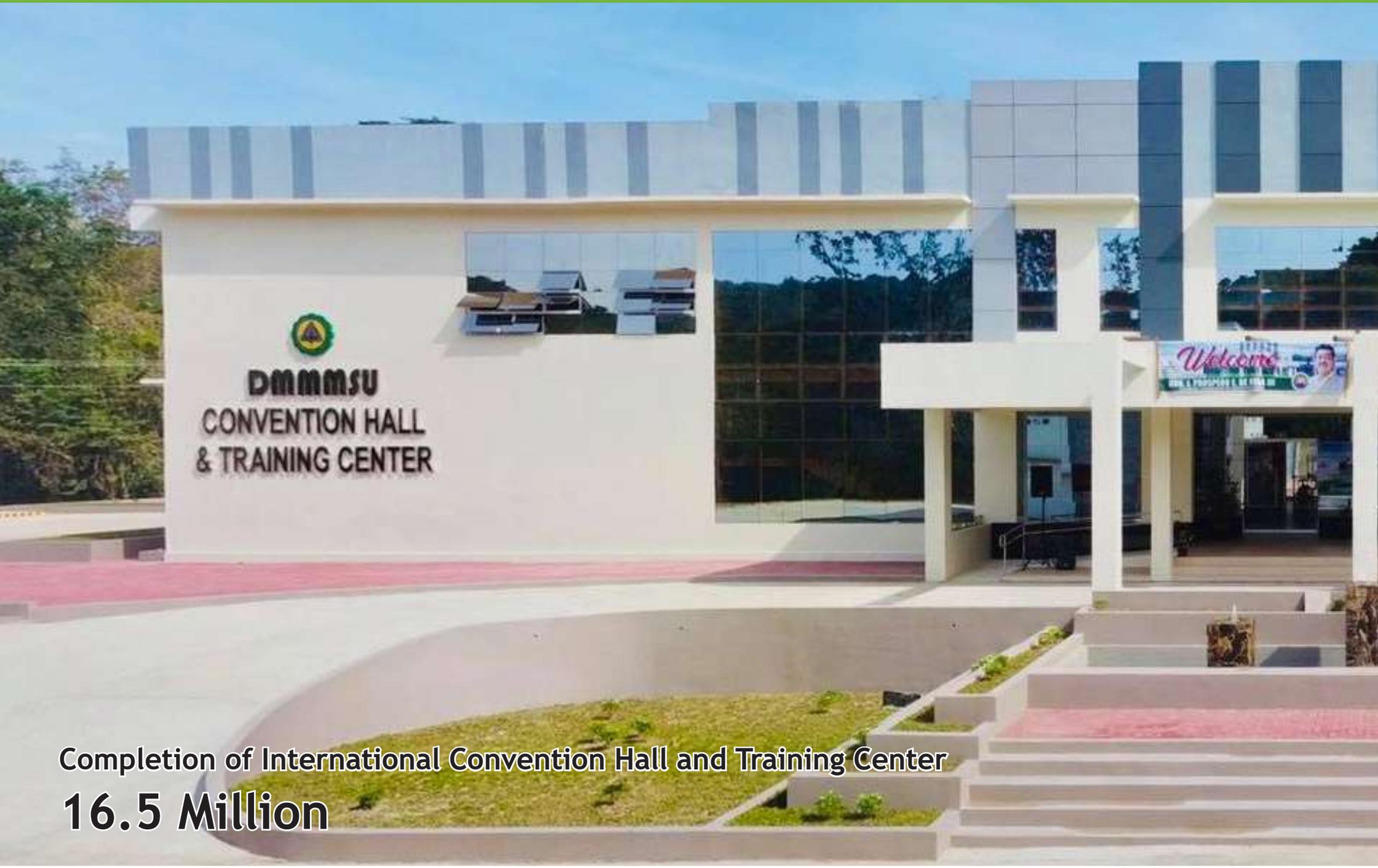


Repair of College of Veterinary Medicine (2.05 Million)



Repair of Old RDE/Admin and Training Complex Bldg., SRDI (10 Million)





Completion of International Convention Hall and Training Center  
**16.5 Million**

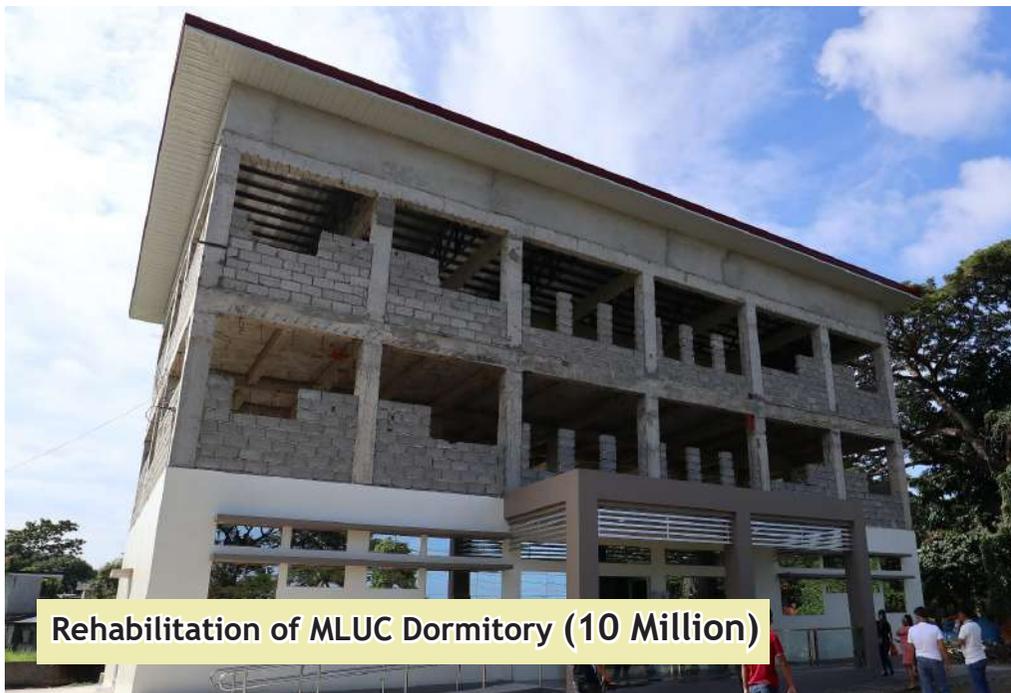




**Completion of MLUC Library (28 Million)**



**Completion of Administration Bldg. (37 Million)**



**Rehabilitation of MLUC Dormitory (10 Million)**



**Completion of Electro-Mechanical Technology Acad. Bldg. (8 Million)**



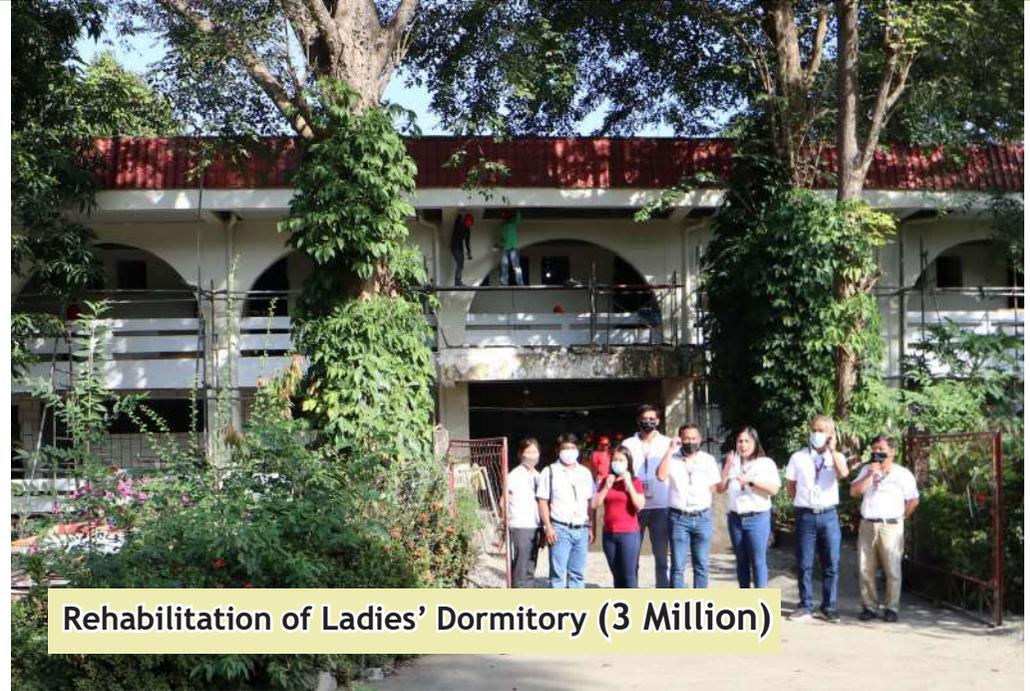
**Rehabilitation of College of Technology Shop (Automotive) Bldg. (8 Million)**



**Repair of College of Graduate Studies (15 Million)**



**Completion of Men's Dormitory (8 Million)**



**Rehabilitation of Ladies' Dormitory (3 Million)**



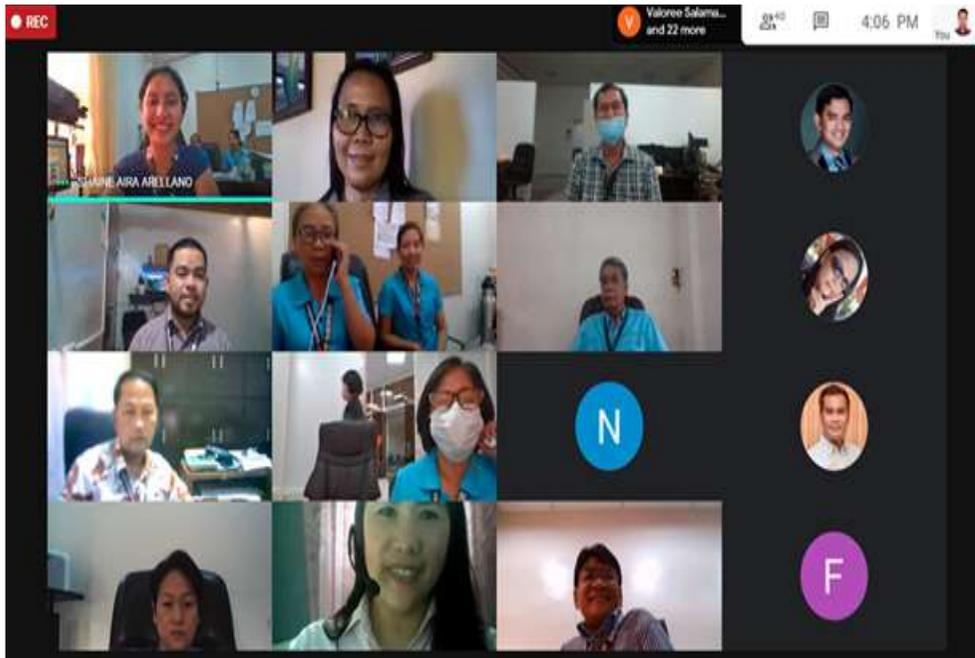
**Completion of College of Arts and Science Bldg. (13.5 Million)**



**Completion of COE Education Technology Center Bldg. (7 Million)**



**Regabitaiton of CCS Academic Bldg. (22 Million)**



DMMSU is now ISO Certified. This seal of institutional quality did not come by accident. It is the result of a strong academic community working together for a common goal. It is the outcome of our desire to constantly improve the services we provide to our students and other clientele. It is the manifestation of our high intention, thoughtful planning and governance, focused effort, intelligent direction, skillful execution, and the vision to see obstacles as opportunities.

DMMSU Quality Assurance (QA) office hosted a 3-day on-line training on Internal Quality Audit on August 25 to 27, 2020.

On November 4 to 6, 2020, the University underwent and passed the Stage 1 Certification Audit conducted by Shahid Mushtaq, Lead Auditor, and Jean Seterra, Auditor, from ACS W3 Solutions in accordance with the requirements of ISO 9001:2015.





On November 17 to 19, 2020, DMMMSU underwent Stage 2 Certification Audit which was conducted virtually by Shahid Mushtaq (Lead Auditor), and Eugene Librado and Rex Villaverde (Auditors) of ACS W3 Solutionz in accordance with the requirements of ISO 9001:2015 standards. The audit scope is the provision of instruction, research, extension, and support services. Overall, 24 processes were audited.

The whole University went rejoicing upon hearing Shahid Mushtaq's declaration that DMMMSU passed the Stage 2 Certification Audit, making November 19, 2020 a historic day for DMMMSU.



The following are the objectives of Stage 2 Certification Audit:

- Ensure that any findings ruled during the Stage 1 audit have been satisfactorily addressed by the University; thus, ensuring adequacy with the relevant requirements of the standard involved,
- Assess the extent and effectiveness of the management's demonstration of leadership in respect of the Management System's integration into normal business activities and the importance of conformance to the requirements of the Management System throughout the organization,
- Assess the extent and effectiveness of implementation of the Management System in all areas, activities, and functions of the organization as defined within the documented scope of the organization and as identified within the applied for scope certification,

- Assess the appropriateness of defined objectives and the apparent adequacy of the documented plans for how such objectives shall be achieved,
- Assess the process of the Management System that are intended to ensure that continual review and improvement of the Management System itself and evaluate the extent to which these can be expected to be effective in the future,
- Assess the overall level of conformance of the Management System to the requirements of the relevant Standard, and
- Performance as regards legal compliance, operational control of processes, policies, links between the normative requirements, policy, performance objectives and targets, any applicable legal requirements, responsibilities, competence of personnel, operations, procedures, performance data and internal audit findings and conclusions.

The Stage 2 audit involved examination of processes/activities against ISO criteria, interview and discussions with process owners, review of data and records related to the level of performance of the activities involved against required/expected outcomes, and review and audit of personnel's and competencies and the implementation of Management System requirements.

## CERTIFICATE of Registration



This is to certify that the Quality Management System of

### DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY.

Bacnotan, 2515 La Union, Philippines

has been assessed and registered by ACS W3 Solutionz as conforming  
to the requirements of:

## ISO 9001:2015

IN RESPECT TO PROVISION OF INSTRUCTION, RESEARCH, EXTENSION  
AND SUPPORT SERVICES.

**Certificate No.:**  
20.67.PH112906.00  
**Original Approval:**  
19<sup>th</sup> November 2020  
**Certificate Issuance:**  
29<sup>th</sup> November 2020  
**Certificate Expiry:**  
28<sup>th</sup> November 2021  
**Re-Certification:**  
18<sup>th</sup> November 2023



  
Director of Certification  
ACS W3 Solutionz

Exclusions: N/A

In issuance of the certificate, ACS W3 Solutionz assumes no liability to any other party other than to the client. The scope of the certificate includes in the Annex. This certificate becomes invalid if conditions of certification are not fulfilled (<http://w3solutionz.com/doc/F-099-3050P.pdf>). This certificate is the property of W3 Solutionz PZE dba ACS W3 Solutionz, Off. M-02, Bldg. C-70, ME-10, Abu Dhabi – United Arab Emirates. Web: [www.w3solutionz.com](http://www.w3solutionz.com)

**LIST OF THE COUNTRIES WHICH ARE REPRESENTED IN IAF AND ARE SIGNATORIES OF THE MULTILATERAL AGREEMENT ON RECOGNITION IAF MLA\*:**

Australia and New Zealand IAS-ANZ, Argentina OAA, Austria AA, Belgium BELAC, Bulgaria EA-BAS, Brazil CGCRE, Great Britain UKAS, Hungary NAI, Vietnam BoA, Germany DaKis, Hong-Kong HKAS, Greece ESYD, Denmark DANAK, Egypt EGAC, India NABCB, Indonesia KAN, Iran NACI, Ireland INAB, Spain ENAC, Italy ACCREDIA, Kazakhstan NCA, Canada SQC, China CNAS, Colombia ONAC, Korea KAI, Costa Rica ECA, Luxemburg OLAS, Malaysia DSM, Mexico EMA, Netherlands RvA, Norway NA, UAE EIAC, Pakistan PNAC, Peru INACAL-DA, Poland PCA, Portugal IPAC, Rumania RENAR, Serbia ATS, Singapore SAC, Slovakia SNAS, Slovenia SA, USA ANAB, IAS, Thailand NSC, Taiwan TAF, Tunisia TUNAC, Turkey TURKAK, Ukraine NAAU, Uruguay OUA, Philippines PAB, Finland FINAS, France COFRAC, Czech Republic CAI, Chile INN, Switzerland SAS, Sweden SWEDAC, Sri-Lanka SLAB, Ecuador SAR, South Africa SANAS, Japan JAB

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Accreditation Details are available with IAS (International Accreditation Services), USA, [www.iasonline.org](http://www.iasonline.org)

04 - 090220



**Annex to Certificate**  
**No. 20.67.PH112906.00**  
**of 29<sup>th</sup> November 2020**  
**Registration form No. 04-090220**

**Certification Scope of management System of DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY**  
**Includes**

- DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY- NARTDI**  
Address: Bacnotan, 2515, La Union, Philippines  
Scope: In respect to provision of research, extension and support services.
- DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY- SRDI**  
Address: Bacnotan, 2515, La Union, Philippines  
Scope: In respect to provision of research, extension and support services.
- DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY- MLUC**  
Address: City of San Fernando, La Union, Philippines  
Scope: In respect to provision of instruction, research, extension and support services.
- DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY- OUS**  
Address: City of San Fernando, La Union, Philippines  
Scope: In respect to provision of instruction, research, extension and support services.
- DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY- SLUC**  
Address: Agoo, La Union, Philippines  
Scope: In respect to provision of instruction, research, extension and support services.
- DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY- NLUC**  
Address: Bacnotan, La Union, Philippines  
Scope: In respect to provision of instruction, research, extension and support services.

Director of Certification "ACS W3 Solutionz"



## CERTIFICATE of Registration



This is to certify that the Quality Management System of

**DON MARIANO MARCOS MEMORIAL STATE  
UNIVERSITY- SRDI**  
Bacnotan, 2515, La Union, Philippines

has been assessed and registered by ACS W3 Solutionz within the framework of the Quality management system audit of DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY as conforming to the requirements of:

### ISO 9001:2015

IN RESPECT TO PROVISION OF RESEARCH, EXTENSION AND SUPPORT SERVICES.

**Certificate No.:**  
20.67.PH112906-01.00  
**Original Approval:**  
19<sup>th</sup> November 2020  
**Certificate Issuance:**  
29<sup>th</sup> November 2020  
**Certificate Expiry:**  
28<sup>th</sup> November 2021  
**Re-Certification:**  
18<sup>th</sup> November 2023



**Director of Certification**  
ACS W3 Solutionz

Exclusions: N/A

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Australia and New Zealand IAS-ANZ, Argentina OAA, Austria AA, Belgium BELAC, Bulgaria EA-BAS, Brazil GGCRC, Great Britain UKAS, Hungary NAH, Vietnam BoA, Germany Dalks, Hong-Kong HKAS, Greece ESYD, Denmark DANAK, Egypt EGAC, India NABCB, Indonesia KAN, Iran NACI, Ireland INAB, Spain ENAC, Italy ACCREDIA, Kazakhstan NCA, Canada SQC, China CNAS, Colombia ONAC, Korea KAB, Costa Rica ECA, Luxembourg OLAS, Malaysia DSM, Mexico EMA, Netherlands RvA, Norway NA, UAE EIAC, Pakistan PNAC, Peru INACAL-DA, Poland PCA, Portugal IPAC, Rumania RENAR, Serbia ATS, Singapore SAC, Slovakia SNAS, Slovenia SA, USA ANAB, IAS, Thailand NSC, Taiwan TAF, Tunisia TUNAC, Turkey TURKAK, Ukraine NAAU, Uruguay OUA, Philippines PAB, Finland FINAS, France COFRAC, Czech Republic CAL, Chile INN, Switzerland SAS, Sweden SWEDAC, Sri-Lanka SLAB, Ecuador SAE, South Africa SANAS, Japan JAB

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04 - 090235

## CERTIFICATE of Registration



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UNIVERSITY- NARTDI**  
Bacnotan, 2515, La Union, Philippines

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### ISO 9001:2015

IN RESPECT TO PROVISION OF RESEARCH, EXTENSION AND SUPPORT SERVICES.

**Certificate No.:**  
20.67.PH112906-02.00  
**Original Approval:**  
19<sup>th</sup> November 2020  
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29<sup>th</sup> November 2020  
**Certificate Expiry:**  
28<sup>th</sup> November 2021  
**Re-Certification:**  
18<sup>th</sup> November 2023



**Director of Certification**  
ACS W3 Solutionz

Exclusions: N/A

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04 - 090236

## CERTIFICATE of Registration



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UNIVERSITY- MLUC**  
City of San Fernando, La Union, Philippines

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### ISO 9001:2015

IN RESPECT TO PROVISION OF INSTRUCTION, RESEARCH, EXTENSION  
AND SUPPORT SERVICES.

**Certificate No.:**  
20.67.PH112906-03.00  
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18<sup>th</sup> November 2023



*[Signature]*  
Director of Certification  
ACS W3 Solutionz

Exclusions: N/A

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04 - 090237

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UNIVERSITY- OUS**  
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### ISO 9001:2015

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AND SUPPORT SERVICES.

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19<sup>th</sup> November 2020  
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29<sup>th</sup> November 2020  
**Certificate Expiry:**  
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18<sup>th</sup> November 2023



*[Signature]*  
Director of Certification  
ACS W3 Solutionz

Exclusions: N/A

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Australia and New Zealand JAS-ANZ, Argentina OAA, Austria AA, Belgium BELAC, Bulgaria EA-BAS, Brazil CGCRE, Great Britain UKAS, Hungary NAI, Vietnam BoA, Germany Dakks, Hong-Kong HKAS, Greece ESYD, Denmark DANAK, Egypt EGAC, India NABCB, Indonesia KAN, Iran NACL, Ireland INAB, Spain ENAC, Italy ACCREDIA, Kazakhstan NCA, Canada SQC, China CNAS, Colombia ONAC, Korea KAB, Costa Rica ECA, Luxembourg OLAS, Malaysia DSM, Mexico EMA, Netherlands RvA, Norway NA, UAE EIAC, Pakistan PNAC, Peru INACAL-DA, Poland PCA, Portugal IPAC, Rumania RENAR, Serbia ATS, Singapore SAC, Slovakia SNAS, Slovenia SA, USA ANAB, IAS, Thailand NSC, Taiwan TAE, Tunisia TUNAC, Turkey TURKAK, Ukraine NAAU, Uruguay OUA, Philippines PAB, Finland FINAS, France COFRAC, Czech Republic CAI, Chile INN, Switzerland SAS, Sweden SWEDAC, Sri-Lanka SLAB, Ecuador SAE, South Africa SANAS, Japan JAB

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04 - 090238

## CERTIFICATE of Registration



This is to certify that the Quality Management System of

**DON MARIANO MARCOS MEMORIAL STATE  
UNIVERSITY- SLUC**  
Agoo, La Union, Philippines

has been assessed and registered by ACS W3 Solutionz within the framework of the Quality management system audit of DON MARIANO MARCOS MEMORIAL STATE UNIVERSITY as conforming to the requirements of:

### ISO 9001:2015

IN RESPECT TO PROVISION OF INSTRUCTION, RESEARCH, EXTENSION  
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Hail, beloved Alma Mater  
 Don Mariano Marcos Memorial State University  
 Your honored name will shine forever  
 Keep your glorious fame resounding far and  
 near.

From thy portals we learn  
 Skills unknown before  
 And heads and hands keep on craving for  
 more

Oh hail, beloved institution  
 Never shall we stand forlorn  
 From you a new era is born  
 To keep life smoothly moving on.

You are our inspiration  
 In our quest for knowledge and wisdom  
 You fulfill a noble mission  
 In instruction, research and extension  
 You give the best solution  
 In transforming our land into a great nation  
 And though the years may come and go

Our love for you will grow  
 Beloved University  
 We are proud of you.  
 We are proud of you.



## PHILOSOPHY

**Total human development with appropriate competencies.**

*Naan-anay a pannakamuli ti tao iti umiso ken nadumaduma a kabaelan.*

## VISION

**A globally competitive university.**

*Kangrunaan ken mabigbigbig nga universidad iti sangalubungan.*

## MISSION

**Provides high quality instruction, research and extension.**

*Mangipaay iti maiyanatup ken dekalidad a panagisuro, panagsukisok ken ekstensiyon.*

## GOAL

**To lead in transforming human resources into productive, self-reliant citizens and responsible leaders.**

*Mangidaulo iti pannakatubay dagiti tao a managparnuay, makapagwaywayas ken nanakman a mangidalan.*



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