



# **ANNUAL REPORT**

**ACADEMIC YEAR 2012-2013**

The academic year 2012-2013 witnessed a period of continuous advancement for Mountain Province State Polytechnic College. MPSPC intensified the improvement of its instruction, research, and extension programs, as well as its governance and services.

## INSTRUCTION

The College has maintained the twenty-eight (28) degree and six (6) non-degree programs. The degree program consists of 21 Bachelors, 6 Masters and 2 Doctorate degree programs. Aside from the Teacher Education programs, BS Information Technology, and the BS in Hotel and Restaurant Management that had been offered in both campuses (Table1).

The graduate degree programs such as: the Doctor of Education (Ed.D.), Master of Arts in Education (MAED), Master in Public Administration (MPA) and Master in Business Administration (MBA) are offered in both campuses but the Master of Arts in Science Teaching (MASE) is offered only at Bontoc campus.

**Table 1. Curricular Programs Offered Per Campus**

CURRICULAR PROGRAMS	Campus Offered		
	BONTOC	TADIAN	BOTH
<b>Undergraduate Programs</b>			
Bachelor in Agricultural Technology		*	
Bachelor of Arts	*		
Bachelor of Science in Accountancy	*		
Bachelor of Science in Accounting Technology	*		
Bachelor of Science in Agro- Forestry ( <i>Level I</i> )		*	
Bachelor of Science in Agribusiness Management		*	
Bachelor of Science in Business Administration ( <i>Level I</i> )	*		
Bachelor of Science in Civil Engineering ( <i>Level I</i> )		*	
Bachelor of Science in Criminology ( <i>Level I</i> )	*		
Bachelor of Science in Electrical Engineering		*	
Bachelor in Elementary Education ( <i>Level III</i> )			*
Bachelor in Environmental Science		*	
Bachelor of Science in Geodetic Engineering ( <i>Level I</i> )		*	
Bachelor of Science in Forestry		*	
Bachelor of Science in Hotel & Restaurant Management			*
Bachelor of Science in Industrial Technology		*	
Bachelor of Science in Information Technology			*
Bachelor of Science in Nursing	*		
Bachelor of Science in Office Administration	*		
Bachelor in Secondary Education ( <i>Level III</i> )			*
Bachelor of Science in Tourism	*		
<b>Graduate Programs</b>			

Doctor of Education	*		
Master of Arts in Education ( <i>Level I</i> )			*
Master in Business Administration			*
Master in Public Administration			*
Master of Arts in Science Education	*		
Master in Teaching English	*		
<b>Regular Non-Degree Programs</b>			
Associate in Hotel and Restaurant Management			*
Diploma in Forestry Technician		*	
Diploma in Agro-Forestry Technician		*	
Two-Year Industrial Technology		*	
One-Year Hotel and Restaurant management		*	
TTC, AST		*	

In its effort to comply with the requirements of the universityhood, the deferred program Bachelor of Arts will be offered first semester of AY 2013-2014.

For the academic year 2012-2013 the offering of Pre-School as an additional specialization under the Teacher Education Program was worth taking into view. This program was aimed to cater to present needs of teachers going into pre-school education in time with the implementation of the K to 12 programs.

## ACCREDITATION



Aside from the existing one (1) graduate and (9) undergraduate programs accredited by the AACCUP, MPSPC continued her quest for quality and excellence through accreditation. On October 23-26, 2012, one (1) graduate program, Doctor of Education, and seven (7) undergraduate programs, BSIT, BSBA, BSA, HRM for both campuses, BST and BSEE were subjected to Level 1 AACCUP accreditation while two (2) graduate programs, MPA and MBA, and one (1) undergraduate program, BS Nursing are still in candidate status, while preparations were undertaken for the TED Level III survey visit Phase 2 for both campuses.

Of the 27 programs of the institution, 31% are not accredited, 17% of the programs are in Level 1, 14% and 38% are in Level 3-phase 1 and Candidate Status respectively.

Aside from accreditation, the programs offered by the college were also subjected

for assessment under the Regional Quality Assurance Team (RQAT) from CHED-CAR. Recommendations and suggestions were taken and being complied with in preparation for the National Quality Assurance (NQAT) Team evaluation.



The table below shows the number of accredited programs and their respective accreditation status. Other programs are targeted to be accredited in 2013 and by 2014, all existing programs shall have undergone the accreditation process.

**Table 2. 2012 Accredited Programs/Courses**

Accreditation Status	Accredited Programs
Level III (Phase 1)	Bachelor in Elementary Education for both campuses Bachelor in Secondary Education for both campuses
Level I	BS Agro Forestry, BS Civil Engineering, BS Geodetic Engineering, BS Office Administration BS Criminology Master of Arts in Education
Candidate status	BS Nursing BS Accountancy, BS Business administration, BS Information Technology, BS Hotel and Restaurant Management, (Both Campuses) BS Tourism BS Electrical Engineering Master in Public Administration Master in Business Administration Doctor of Education



## LADDERED PROGRAMS

Of the six (6) ladderized programs, five (5) were sustained. These are the 2 Year Industrial Technology, Diploma in Agro Forestry Technician, Diploma in Forestry Technician, Diploma in Agricultural Technology, Technology Transfer Class offered only at Tadian Campus and Associate of Arts in Hotel and Restaurant Management offered in both Campuses.



**Table 3. Laddered Program; with Respective Competencies**

<b>Program;</b>	<b>Competency</b>
2 Year Industrial Technology	Handicraft
	Welding and Rebar
	Masonry
	Carpentry
Diploma in Agro Forestry Technician (deferred)	Crop Production
Diploma in Forestry Technician	
Diploma in Agricultural Technology	Farming System
	Bio- Organic Fertilizer
	Post-Harvest Management
Technology Transfer Class	Hair Science
	Cosmetology
	Mushroom Production
	Animal Production (Swine)
	Automotive Servicing
	Animal Production (Poultry)
	Building Wiring
Associate of Arts in Hotel and Restaurant Management	Food and Beverages Services
	Food Processing
	Baking/Pastry
	Banquet and Catering
	Bar Management
	Travel and Tours Operation
	Hot and Cold Kitchen
	Wine Production



For AY 2012-2013, five ladderized programs of the College passed the Compliance Audit conducted by the Technical Education Services and Development Authority (TESDA) in consonance with Executive Orders 358 and 694. On August 17, 2012, the Diploma in Agricultural Technology sustained its NC II status on horticulture.

The NCIII status of Crop Production was, however, deferred because of inadequate equipment. The Associate of Arts in Hotel and Restaurant Management, Tourism, and Industrial Technology passed the audit and complied with all the requirements.



## CURRICULUM ENHANCEMENT AND DEVELOPMENT

Attuning the curricular programs to current trends and challenges has been the response of MPSPC to CHED's emerging thrusts. So, the curricula of the College like Teacher Education, Accountancy, Commerce, Graduate School, Civil, Geodetic, Electrical, Industrial Education, Agroforestry, Information Technology, Forestry, Short Courses, among others have undergone review and revisions from time to time according to the needs of students and based on respective CHED Memorandum Orders.

The various curricula in the Teacher Education program are being continuously reviewed and revised program so these will suit student needs and develop student competencies. The enhancements of the curricula in Teacher Education were initiated so that the program is compliant to the demands of educational innovation, especially with the implementation of the K to 12 Program of DepED. An additional major of BTTE, Agricultural Technology, was added in September 2012 and is expected to be offered during the School Year 2013 to 2014.

Moreover, HRM curriculum was reviewed and revised in September 2012 in response to the recommendations of the Regional Quality Assessment Team and in congruence with academic complementation of CARSUC and it will be implemented June

2013. Other curricula like that of BS Business Administration and BS Information Technology are still in the process of being reviewed. While the BS Accountancy curriculum was reviewed and updated in accordance with CMO No. 03, s. 2007 and was subjected for CHED-RO notation.

The proposal for the conversion of Bachelor of Science in Agroforestry (BSAF) and Bachelor in Agricultural to Bachelor of Science in Agriculture [General Curriculum; Major in Crop Science; Major in Animal Science; and Major in Agriculture Extension] was presented to the Board.

In response to the rationalization through Amalgamation program of CHED, the CAR SUCs hold regular planning-workshops and meetings towards Academic Complementation in their five mandated programs (BSCE, BSE, BEEd, BS Forestry and BS Agriculture) and five non-mandated programs (BS Information Technology, BSBA, BS Tourism, BS Criminology and BSHRM).

Added to this, the OJT/ Internship manuals of the HRM/T, BS Criminology, BSOA, Nursing, BSBA and the Practice Teaching Policies and Guidelines of the TED were reviewed and synchronized along a gender fair curriculum on March 3, 2013.

## **FACULTY**

### **Faculty Profile**

Of the 185 members of the faculty, 69% (127) are Permanent, 2% (4) are Casual and 29% (54) are employed on Job Order basis. Among the 127 regular faculty members, 22 or 17% are Ph.d/Ed.D holders, 85 or 67% are Master's Degree holders and 20 or 16% are Bachelor's Degree holders.

In terms of academic rank, 71 (56%) are instructors, 37(29%) are Assistant Professors, 17 (13%) are Associate Professors, and 2 (2%) are Professors.

While the NBC 4<sup>th</sup> cycle is currently being conducted, academic ranks of faculty members are expected to tremendously rise.

**Figure 1. Faculty Percentage Distribution According to Status of Appointment, and Academic Rank, Highest Educational Qualification**

From the SUC'S Performance Indicators Agreement for CY 2012, the Faculty Vertical Articulation of the Full Time Equivalent - Faculty (FTEF) (*faculty's baccalaureate, master's and doctoral degrees must all be in the same field*) shall be considered in computing the percentage distribution of FTEF wherein Baccalaureate shall not be HIGHER than 15%, Masters shall not be LOWER than 60% and PhD shall not be LOWER than 15% for the whole year.

### **Full Time Equivalent Faculty**

The total enrolled units of the SUCs can also be tallied by using a teacher-by-teacher accounting of teaching loads. It reveals the FTE count of each faculty member as an important indicator for faculty performance and faculty headcounts are important but it is more precise to count the "full-time equivalent faculty". For the MPSPC FTEF, the table below shows that the number of doctorate holders increased its FTEF. There is a 14% increase compared to CY 2011, while the baccalaureate degree holders decreased indicating that the standard set for post graduate degrees were achieved but not yet for the bachelor's degree which is 5 more than the given standard. We hope that MPSPC can fully comply with its FTEF next school year. It is projected in 2014; the percentage distribution should be 15% for baccalaureate, 25% for doctorate and 60% for master's degree holders.

**Table 4. Full Time Equivalent Faculty (FTEF), Highest Degree and Percentage Distribution**

<b>FTEF</b>	<b>Physical Target</b>	<b>Actual Physical Accomplished</b>	<b>Percentage of Physical Accomplished</b>
<b>FTEF Highest Degree</b>			
FTE Faculty With Baccalaureate as Highest Degree	190.21	152.44	80.14%
FTE Faculty With Masters as Highest Degree	143.39	142.89	99.65%
FTE Faculty With Doctorate as Highest Degree	34.20	35.8	104.68%
<b>Total FTEF Highest Degree</b>	<b>367.80</b>	<b>331.13</b>	<b>90.03%</b>
<b>FTEF Percentage Distribution</b>			
% of FTE Faculty With Baccalaureate as Highest Degree	52%	46%	89.02%
% of FTE Faculty With Masters as Highest Degree	39%	43%	110.69%
% of FTE Faculty With Doctorate as Highest Degree	9%	11%	116.27%

### **Faculty Development**

The seminars, workshops and trainings are very necessary for faculty development. They are updated on the various innovations and trends in their areas of specialization. Moreover, professional development programs are for student success, faculty growth, and an institution's reputation. Hence, faculty members attended trainings, seminars,



conferences and fora related to their fields of specialization. As results of these the faculty members transferred knowledge and skills acquired by conducting trainings and seminars within and outside the College as their extension activities. These did not only helped them grow professionally but earn points for their NBC 461 promotions.

As part of the Faculty Development Program, faculty members were granted study-leave, release time, or flexi time to be able to finish their MA/MS or ED.D/Ph.D degrees as educational attainment, the distribution of the 127 permanent faculty members are as follows: 22 Ph.D./Ed.D., 85 MA/MS and 20 BS/AB faculty members.

Moreover, faculty members were promoted through NBC 461. Management implemented the 2nd and 3rd Cycles and has caused preparation of faculty folders for the 4<sup>th</sup> Cycle. At present, the draft of the result of the 4<sup>th</sup> Cycle evaluation was released by the Regional Zonal Center at IFSU. The formal institutional review of the 5<sup>th</sup> Cycle commences on December 2012.

Upgrading the faculty members for continuous development is one of the main concerns of the College; hence, the following faculty members were endorsed by the Faculty Development Committee of the College (FDCC) and Academic Council with the following details:

**Table 6. List of MPSPC Employee; Enrolled in their Graduate Studies**

Name	Request	Course and School	Term	Action Taken
Rogelio K. Balcita Jr.	Study leave	Doctor in Business Administration		APPROVED
Allan Tabec	Study leave	Doctor of Education		APPROVED
Joni L. Pagandiyen	Study leave	Doctor of Philosophy (Criminology)		APPROVED
Gina Lacaben	Study leave	Doctor of Philosophy (Criminology)		APPROVED
Imelda I. Guidangen	Release Time	Bachelor of Laws and letters	2 <sup>nd</sup> Sem, SY 2012-2013 to 2 <sup>nd</sup> Sem, SY 2014-2015	APPROVED
Eduardo Oting	Release Time	Master in Public Administration	SY 2013-2014 to SY 2014-2015	APPROVED
Assayco, Jocelyn	Study leave with pay	Master of Arts in Education, <i>MPSPC</i>	First Semester SY 2012-2013	APPROVED
Claudio, Alver W.	Study leave with pay	Ph.D. Horticulture, <i>Benguet State University</i>	SY 2013-2014 to SY 2014-2015	APPROVED
Sapil, Vilma	Flexi-time	Doctor in Business Administration,	First Semester SY 2012-2013	APPROVED

		<i>Ifugao State University</i>		
<b>ENDORSEMENT:</b>				
Biangdan, June S.	Study leave with pay	Ph.D. in Criminology, University of Baguio	SY 2013-2014 to SY 2014-2015	Endorsed for College President's and BOT's approval
Claudio, Genevieve B.	Flexi-time	12 Education units to qualify her for Licensure Examination for Teachers (LET), <i>MPSPC</i>	2 <sup>nd</sup> Sem, 2012 until 18 units are completed	Endorsed for College President's and BOT's approval
Gumangan, Jacqueline M.	Study leave with pay	Ph.D. in Language Education, <i>Benguet State University</i>	SY 2013-2014 to SY 2014-2015	Endorsed for College President's and BOT's approval
Marrero, Emily Ann B.	Study leave with pay	Doctor in Business Administration, <i>Ifugao State University</i>	April 2013- March 2014	Endorsed for College President's and BOT's approval
Sapil, Vilma C.	Release time during Fridays	Doctor in Business Administration, <i>Ifugao State University</i>	April 2013- March 2014	Endorsed for College President's and BOT's approval

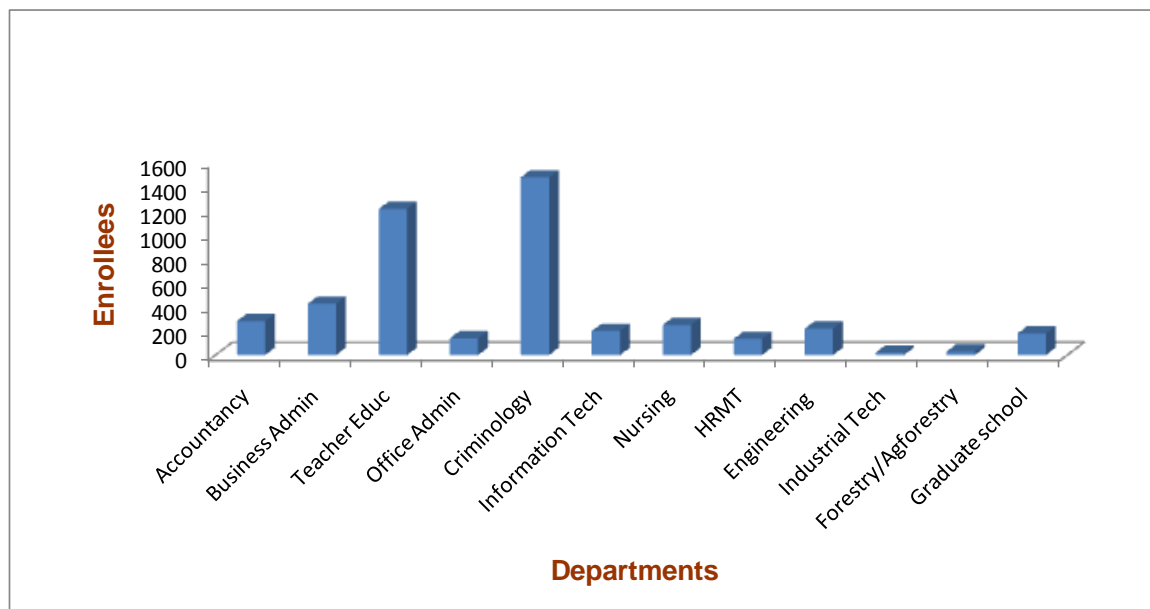
To help attain the objectives of the College in its instruction function, there were 44 Job Order and 7 Casual faculty members endorsed and hired from November 2012 to March 31, 2013. These were determined based on the personnel needs of the departments and based on the tentative teaching loads prepared by the different department chairpersons.

## ENROLMENT

The average enrolment for SY 2012-2013 decreased by 1% compared to 2011-2012 enrolment. Of the 4,680 average enrolments, Bontoc Campus contributed 80%, Tadian Campus (16%) and Graduate School (4%). The figure below shows that the Department of Criminology has the highest enrolment with 32% contribution followed by the Teacher Education Department with 25% contribution. The BS Nursing Department decreased in its enrolment with a yearly average of 37% from 810 in 2007-2008 to 250 in 2012-2013.

	First Semester AY 2012-2013	Second Semester AY 2012-2013	Summer AY 2012-2013
<b>BONTOC CAMPUS</b>			
<b>Graduate Studies</b>			
Doctor of Education	15	17	11
Master in Science Education	1	1	2
Master of Arts in Education	111	92	120
Master in Public Administration	37	32	4
Master in Business Administration	19	19	7
Master in Teaching English	3	5	
Master in MRD/IPED	2	4	1
<b>Undergraduate Courses</b>			
BS Accountancy	294	269	36
BS Business Administration	389	368	107
BS in Criminology	1393	1343	435
Bachelor in Elementary Education	407	395	185
Bachelor in Secondary Education	554	538	263
BS in Hotel and Restaurant Management	84	77	18
BS in Information Technology	214	184	16
BS in Nursing	256	243	81
BS in Office Administration	142	133	28
BS in Tourism	32	26	3
<b>Short Courses</b>			
Associate of Arts in Hotel and Rest. Mgmt.	91	80	11
<b>TADIAN CAMPUS</b>			
<b>Undergraduate Courses</b>			
BS in Civil Engineering	178	163	63
BS in Geodetic Engineering	22	18	9
BS in Electrical Engineering	30	26	8
BS in Business Administration	55	48	18
BS in Criminology	102	115	16
Bachelor in Elementary Education	57	51	18
Bachelor in Secondary Education	159	212	55
Bachelor of Technical Teacher Education			20
Bachelor in Agricultural Technology	22	7	7
BS in Forestry	2	3	1
BS in Agroforestry	1	3	2
BS in Hotel and Restaurant Management	20	39	8
BS Industrial Technology	14	19	2
<b>Diploma/Short Courses</b>			
Associate of Arts in HRM	24		
Diploma in Forestry Technician	5	4	
Diploma in Agroforestry Technician	8	4	
2 Year Industrial Technology	7	2	4
Diploma in Agricultural Technology	7	7	
Automotive Servicing Technician			9

**Figure 2: Magnitude of Enrolment per Department**



The number of weighted FTES accomplished for the year is 94.65% with the FTES of Masters and Doctorate surpassing their respective target. This, however, shows that there is a 2.84% decrease of FTES from the previous year's actual accomplishment. The decrease in the result of FTES accomplishment was due to the decrease of enrollment for the year and the under load of subjects enrolled by students. There is then a need to increase student enrolment for the coming year and the proper evaluation of the number of subjects enrolled by students per semester.

**Table 7. Number of Weighted Full Time Equivalent Students (FTES)**

Programs	Target	Actual	Percent of Accomplishment
Technical /Vocational	70	42	60.00%
Pre-Baccalaureate	212	104	49.06%
Baccalaureate	4850	4692	96.74%
Masters	157	163	103.82%
Doctorate	19	23	121.05%
<b>Total</b>	<b>5308</b>	<b>5024</b>	<b>94.65%</b>



# GRADUATES

There was a 20% decrease in the number of graduates in 2012-2013 compared to that of 2011-2012 (2011 graduates was 1051) **due to decreased graduate of BS Nursing, BS business Administration and competency programs**. Of the 841 graduates, 70.9% were of the Baccalaureate degree, 24.9% were given Technical/Vocational certificates, 1.8% were from the Masters degrees, 2.3% are diploma courses and .2% from the doctoral level. The table below shows the total number of graduates per degree program.



**Table 8 : Graduates per Degree Program**

<b>Programs</b>	<b>November 2012 Graduates</b>	<b>April 2013 Graduates</b>	<b>Total</b>
Doctorate Degree	1	1	2
Master Degree	4	11	15
Baccalaureate Degree	75	521	596
Diploma	0	19	19
Technical/Vocational	188	21	209
<b>Total</b>	<b>268</b>	<b>573</b>	<b>841</b>



On November 12, 2012, the College successfully conducted the first mid-year commencement exercises. This was a joint activity with the Bontoc and Tadian campuses in order to reduce the number of graduates during regular graduation rites.



For the year, there is a 2.58% increase in the weighted number of graduates compared to that of the previous year. The weighted number of graduates accomplished for the year is 123.02% from the estimated target. This indicator shows that the College exceeded compliance to CAR-SUC requirements for graduates on mandated programs. The table below presents the weighted number of graduates for CY 2012:

**Table 9. Weighted Number of Graduates**

<b>Programs</b>	<b>Target</b>	<b>Actual</b>	<b>Percent of Accomplishment</b>
Technical /Vocational	30	43	143.33%
Pre-Baccalaureate	15	16	106.67%
Baccalaureate	450	552	122.67%
Masters	20	21	105.00%
Doctorate	2	4	200.00%
<b>Total</b>	<b>517</b>	<b>636</b>	<b>123.02%</b>

## PERFORMANCE IN LICENSURE EXAMINATIONS

For AY 2012-2013, the results of licensure examinations indicated that the Criminology program continued to place the College on the map as the passing average continues to rise above the national passing rate. The results of the licensure examination for teachers likewise obtained a rating above the national passing rate. This shows an improvement compared to the previous years. A MOA between TED and the Bridges Review Center was forged on December 17, 2012 and such linkage will hopefully spur a higher passing rate for the LET takers of MPSPC. The nursing department is doing extenuating activities to improve its board results after it slowly declined. An objective study of the licensure examination for certified public accountants showed that they consistently produced passers and this notable trend shows the Accountancy Program is on its way of becoming at par with the national passing rate.

There were attempts to improve the engineering programs because of the dismal results the College posted in the licensure examination.

**Table 10. Board Examination Results**

Licensure Examination	Month of Examination	Passed	Takers	MPR	NPR
LET - Elementary (Bontoc)	September 2012	23	36	63.89%	49.29%
	March 2013	16	32	50.00%	42.46%
LET - Elementary (Tadian)	September 2012	4	5	80.00%	49.29%
	March 2013	0	4	0.00%	42.46%
LET - Secondary (Bontoc)	September 2012	29	60	48.33%	43.50%
	March 2013	2	40	5.00%	24.85%
LET - Secondary (Tadian)	September 2012	9	15	60.00%	43.50%
	March 2013	1	7	14.29%	24.85%
Criminology Licensure Exam.	October 2012	82	135	60.74%	32.17%
	March 2013	15	25	60.00%	32.56%
Nursing Licensure Exam	July 2012	45	144	31.25%	45.69%
	December 2012	6	32	14.63%	45.69%
Licensure Exam for CPA	October 2012	6	41	14.63%	47.78%
	May, 2013	7	16	43.75%	%
Civil Engineering Board Exam	November 2012	4	12	33.33%	41.41%
Geodetic Engineering Board Exam	September 2012	1	10	10.00%	35.04%
<b>Total</b>		<b>224</b>	<b>566</b>	<b>39.58%</b>	

## PERFORMANCE IN NATIONAL COMPETENCY EXAMINATIONS

Graduates under the various competencies of the HRMT and BS Accountancy attended the competency examination on March 6-16, 2012 conducted by Technical Education and Skills Development Authority. Table 11 shows the result:

**Table 11. TESDA Competency Examination Results**

<b>Competency Examinations</b>	<b>Takers</b>	<b>Passer</b>	<b>Rate</b>
NC II Commercial Cooking	10	10	100%
Food and Beverage Service	9	14	79%
Bartending	12	14	87%
House Keeping Operations	5	9	55%
Book Keeping	31	63	49%

## **ACADEMIC AND LEADERSHIP AWARDS**

The College has the resolve to produce morally upright and global competitive professionals and technical workers. The College then conducted activities that were deemed essential in the exploration, enhancement and development of the students' full potential for personal development, leadership and social responsibility. It is the responsibility of the institution to work with the family, social institutions, organizations and others to fully mold the personality of the students. Through these, the students will become worthy contributors to their communities who can later become productive citizens of the country and the world.

The College also assesses and evaluates the performance of the students in academic, co-curricular and extra-curricular activities and gives due honor and recognition to those who performed well during recognition day usually held at the end of the school year. This serves to encourage and inspire students to actively participate in these activities and to have a good academic performance. It also serves to challenge other students to exert more effort in developing their skills and widening their knowledge in their fields of interests and be responsible students and members of the community.

Through their achievements in the different fields, students have contributed in the realization of the institution's Vision, Mission, Goals and Objectives. Aside from their outstanding performance in the academic field, they also participated in the activities coordinated by the College and extended in local, regional and national levels.

For AY 2011-2012, recognition day was scheduled on **March 26, 2012** at the College Auditorium that was attended by parents, faculty, staff and the college official



# RESEARCH, DEVELOPMENT AND EXTENSION

## A. RESEARCH

There had been signs of an increasing momentum among the faculty and staff in conducting research and extension activities. Such movement could be attributed to the support of the administration, the stakeholders, and the funding agencies, including the linkages the College has forged. These were more intensified with the approval and implementation of the departmental financial assistance to research and extension activities. It must be mentioned that the improvement in coordination and teamwork among faculty members and staff had essentially contributed in strengthening the capability of the college to come up with researches and extension activities that are responsive, not only to the needs of the college and the community but to the province as well.

In order to come up with quality researches and extension activities, clearer and more workable monitoring schemes are being developed and are being reviewed from time to time.



The researchers are composed of faculty, staff and students in the graduate and undergraduate levels. Aside from the GAA funded researches, some are funded by other agencies such as CHED-ZRC, DOST/PCIERRD, PCARRD and the Office of Senator Edgardo J. Angara.

For the researches funded by the Senator Edgardo J. Angara, the sector focused on technology verification and on farm trials. These were completed, presented and published researches. The studies were approved for implementation most of which are technology verification trials and these studies are conducted in partnership with farmers/stakeholders. The studies are geared on agro-based ecotourism, production of planting materials for rice terraces watershed, enhance sustainability of fish-shell supply through the enhancement of indigenous fish-shell production, weaving design development to improve textile production in the locality and technology verification on organic VELERO crops for healthy food products. These programs were prioritized by the College in response to the CARASUC redirected programs aimed at ensuring economic sustainability, mitigation of climate change and ultimately restoring the grandeur of the Cordillera.

Research for development is one of the mandates of any state college, aside from instruction, extension, and production. It is said that the impact of research could be felt if the following are satisfied: Advancement of knowledge which encompasses basic and action research activities that leads to the generation of theories, principles or improvement of methodologies. Second is on corporate responsibility which means research outputs are given to intended clientele for verification or commercialization thus contributing to a change in mindset of adopters and ultimately leads to economic growth, and lastly, for policy development which means, the research output is being disseminated to legislatures as input for policy development to address intended problems of the community, a region and the country as a whole.

The table below shows that the research unit's actual accomplishment complied more than 100% of its targets.

**Table 17. Major Final Output of Research Services**

MFO 2: Research Services				
Physical Indicators	FY 2012 Physical Targets	2012 Actual Physical Accomplishment		
		Total	January - June	July - December
1. Number of Research Outputs Published				
In Refereed International Journals	1	17		17
In Other International Journals				
In Refereed National Journals	6			
In Other National Journals				
In Institutional Journals	55	52		52
2. Number of Research Outputs Disseminated or Presented				
In International Fora/Conferences	8	8		8
In National Fora/Conferences	7	15	12	3
In Philippine Regional Fora/Conferences	30	36	25	11
3. No. of Researchers with Track Records	18	18		18
4. No. of Inventions Patented	5	5	5	
5. No. of Copyrights Registered	5	13		13
6. No. of Externally-Funded Research Projects in Progress	18	12		12



In CY 2012, the number of published researches increased by 81%. This includes a 14% increase in the number of researches presented, 76% increase in the number of researches with track records, 8% increase in the number of copyrighted/registered researches, and 26% increase in the number of externally funded researches.

The high performance of R&D unit in research dissemination/presentation could be attributed to the increased involvement of faculty researchers, increase in allocation in the budget, building and increasing research culture among students. Moreover, the institutionalization of capacity building, R&D development plan that serves as guide for researchers, research forum and strengthened linkages of MPSPC with CARSUCs and other agencies played a vital role in the production of quality research output.



## LIST OF PUBLISHED RESEARCHES

### International Published Researches

1. *Published in 2012 International Research Conference for Globalization and Sustainability* Edited by Fina Felisa Lavallo- Alcudia
  - a. *Floral Inventory in Eco-tourism Sites in Rice Terraces of MP* by Genevieve B. Claudio, etal.
  - b. *Cultural Implications of Patterns, Designs, Symbols, and Colors of Ethnic Woven Products in Mountain Province* by Epiphania Magwilang, Arel Sia-ed, Elmer Pakipac, Maria Paz Baldo and Geraldine Segseg
  - c. *Awareness of MPSPC Students, Faculty and Staff on Regional Autonomy* by Dexter Lingbanan
  - d. *Emotional Intelligence of Fourth Year BS Criminology Students of MPSPC* by Eric Danglosi, Edgar Mapangdol, Mary Dicdican and Gregorio M. de Los Santos
  - e. *Dynamics of Adult Probation Law (PD 968, as amended) in the Cordillera Administrative Region (CAR)* by Edgar Mapangdol

- f. *Effect of Pre-treatments & Maturity Stages on the Quality of Dried Persimmon (Diospyrus kaki L.)* by Julie P. Garsi
  - g. *Revitalization of the Indigenous Cuisines of Bontoc, Mountain Province* by Karen Cue
  - h. *Surviving the Effect of Climate Change: Indigenous Pre and Post-Harvest Practices of Sweet Pepper Seed Production in Mountain Province* by Elmer Pakipac
  - i. *Interface Between Traditional Health System and Biomedicine in the Indigenous Community: Patterns, Dynamics & Issues* by Gregorio M. de los Santos
  - j. *Gender Roles in the Textile Industry of Mountain Province* by Geraldine Segseg
2. *Published in International Conference on Climate-Smart Knowledge Management for the Uplands* with **ISSN No. 2244-3746**
- a. *Baseline Survey for the Conservation of the Rice Terraces in Mountain Province* by Linda I. Guinabang
  - b. *Soil Fertility Mapping of the Production Sites of Selected Vegetables, Legumes and Root Crops in Western Mountain Province* by Santiago Recile
  - c. *Woody Plant Species of Mount Data National Park, Mountain Province* by Melanie Subilla
  - d. *Documentation and Characterization of Native Pigs and Chickens* by Gregorio M. De Los Santos
  - e. *Growth and Yield Performance of Giant Granadilla (Passiflora quadrangularis L.) as Affected by Types of Planting Materials and Organic Fertilizers* by Gregorio M. De Los Santos and Jessie M. Lengwa
  - f. *Production Practices and Needs Assessment of Selected Velero Crops in Mountain Province* by Elmer D. Pakipac and Priscilla Pacolor
  - g. *Socio Economic Profile of Freshwater Fisher Folks in Mountain Province* by Brent Greg E. Gomoad and Norma W. Bay-os

## **National Published Researches**

1. **MPSPC Research Journal** with **ISSN 0119-5638/Vol. XI**
- a. *Awareness of MPSPC Students, Faculty and Staff on Regional Autonomy* by Dexter Lingbanan
  - b. *The Pillars of Traffic Management Among Abatan Van Drivers of the Halsema Highway* by June S. Biangdan et.al.
  - c. *Course Preferences of the High School Graduating Students in Tadian and Bauko, Mountain Province* by Geraldine L. Madjaco & Hilary L. Tican



- d. *Implementation of Rehabilitation Programs of Parole Probation Office (PPAO) in Mountain Province* by June S. Biangdan et.al.
- e. *Back Strap Weaving in Guinzadan Bauko, Mountain Province* by Pilar L. Palangyos and Teodorico D. Chacapna
- f. *Revitalization of the Indigenous Cuisines of Bontoc, Mountain Province* by Karen Cue
- g. *Mother Tongue and Orality in Teaching Cordillera Literature* by Antonina Manochon
- h. *Syntax Of Kankanaey Language of Tadian Central: Structure And Expansion* by Estrella Basco

### **Regional Published Researches**

- 1. *Published in 2<sup>nd</sup> Baguio Social Science Summit*
  - a. *The Pillars of Traffic Management Among Abatan Van Drivers of the Halsema Highway* by June S. Biangdan.
  - b. *Back Strap Weaving Designs of Woven Products on Guinzadan, Bauko, Mtn. Prov. and their Implications* by Pilar Palangyos and Teodorico Chacapna

### **Institutional Published Researches**

- 1. **Published in Graduate School Research Journal with ISSN 2244-3541/Vol II**
  - a. *Quality of Honey and Fruit Blend Products* by Candida G. Ambatcan
  - b. *Learning Styles of the Junior Students of Natonin National High School, Natonin District* by Grace B. Panitew
  - c. *Effect of Different Rates of Ladong on the Growth and Yield Performance of Tomatoes (*lycopersiconesculentum miller*)* by Joel S. Pe
  - d. *Double Check Strategy: Its Effect on the Computational, Analytical Skills and Attitude of First Year Mathematics* by Sarah S. Dino
  - e. *Ateneo Lesson Plan (ALP); Its Effect on the Knowledge, Computational and Analytical Skills of Pupils in Mathematics V* by Ryan D. Espinosa
  - f. *Community-Based Resources as Field Laboratories in Teaching HEKASI, Cervantes, Ilocos Sur* by Jacqueline M. Jimenez
  - g. *Multigrade Instruction In Mankayan District* by Eric P. Sabado
- 2. **Published in BSBA Research Journal with ISSN 2244-355x/Vol I**
  - a. *Product Trailing of Sagada Weaving* by Amy Flor Cabay, et al

- b. *Anthony Boaging: The Baker Man, A Profile of Successful Entrepreneur* by Aida B. Habawel et al
- c. *Assessment of Services Offered by the Transport Buses Traveling from Bontoc to Baguio* by Ryan Lumiwes et al
- d. *Assessment of Services Provided by Internet Shops in Bontoc, Mountain Province* by Danny Cabat et al
- e. *Attitude of BSBA Students on the Use of Internet* by Rebecca Alicwadey et al
- f. *Awareness of Benefits and Privileges of SSS Members in Bontoc, Mountain Province* by Vergio Polides et al
- g. *Awareness of the Vendors of Bontoc Business Establishments on Counterfeit/Fake Money* by Reyjan Mark L. Andong et al
- h. *Financial Evaluation on the Efficiency of Student Department Fund Expenditure of MPSPC, Bontoc, 2010-2011* by Cita Leigh C. Padcayan et al
- i. *Implementation of the Municipal Ordinance #62.S.2000 to Boarding Houses in Bontoc, Mountain Province* by For-og, Fedilyn A.; Conception, Sunshine; Dawayen, Freda and Malwagay, Marilou

**3. Published in Criminology Student Research Journal with ISSN 2094-9227 /Vol II**

- a. *Assessment on Community Immersion Program Undergone by the Criminology Interns Gallants Class 2010-2011* by Jerry Manneria, et al
- b. *Efficiency of Philippine National Police (PNP) Stationed at Paracelis in Handling Crimes* by Euphenia C. Tingangag et al
- c. *Perception of Selected MPSPC Stakeholders on the Observance of Bontoc PNP on the Standard Operating Procedure in the Management of MPSPC Crisis* by Josie B. Danggalan et al
- d. *Relationship Between Fingerprint Pattern and Reasoning Ability of Second Year Criminology Students of Mountain Province State Polytechnic College, Bontoc Campus* by Dennis Allab et al
- e. *Knowledge of Criminology Students on Magna Carta of Student and MPSPC Academic Rights* by Janice Liquit et al
- f. *Police Community Relation Programs In Bontoc, Mountain Province* by Maxwell Adchak et al
- g. *Municipal Disaster Risk Reduction Management Council of Sabangan, Mountain Province* by Jocelyn Dopagan, et al
- h. *Involvement of the Criminology Students on Religious/Spiritual Activities of MPSPC Bontoc Campus* by Nicasio Fiaroque et al

- i. *Livelihood Programs of BJMP Extended to Inmates at Mountain Province District Jail* by Arcelie M. Calixto et al
- j. *Juvenile Drug Addiction at Bontoc, Mountain Province* by Dick Allen B. Banasan et al
- k. *Awareness of Boarding House Owners and Boarders on Common Crimes Committed and Modus Operandi Of Akyat Bahay* by Myrna Dawayen et al

**4. Published in Nursing Department Student Research Journal with ISSN 2094-3601 /Vol IV**

- a. *Acceptability and Effectiveness of Lemon Grass Liniment for Athlete's Foot* by Raffy Tundagui, Ophelia Abcalen, Crisanto Forosan, Loida Pawen, Charmine Pe, Marissa Langpawen, Myrna Waila
- b. *Acceptability of Peppermint Honey-Shampoo* by Jolette Faith P. Bangsoy, Grail D. Amog, Althea C. Ateneo, Renalyn P. Bulaglag, Julia B. Daday, Alma Theresa K. Gawidan
- c. *Effectiveness of Ginger Liniment as an Alternative Treatment For Dysmenorrhea* by Aguling, Doris; Astudillo, AinaSabino, Elvira; Sarimanok, Hania; Tuaca, Maurene
- d. *Emotional Competence of BSN IV Students of Mountain Province State Polytechnic College* by Pongchachen, Nancy, Ammaran, Julie ann, Bang-i, Cherry, Chalupang, Arsenia Belit, Alfie Densa, Alver
- e. *Implementation of Emergency Medical Services in Bontoc, Mountain Province* by Oloan, Efren; Bagtang, Rosaria; Base, Allen; Dao-ayan Diana Ekwasen, Fernando; Tuguinay, Ryan
- f. *Knowledge of Mother's on Caring Mentally Deficient Children, Bontoc, Mountain Province* by Jordan A. Sillatoc, Bannawi, Joy B.; Bayninan, Sheryl B. ; Buslayan, Jessebelle B. ; Dumansi, Ana B. ; Galap, Clarineth B.
- g. *Performance of BSN IV Students of MPSPC on Basic Nursing Skills* by Belen D. Mang-usan, Karen Farrah L. Lawilao, Blesy G. Gusimat, Kate Sawad, ZuzzetteGalingan
- h. *Research Knowledge of BSN IV Students of Mountain Province State Polytechnic College* by Pit-og, Belinda Y. ; Dagiw-a, Ben B. ; Egue, Sheryl D. ; Gaong, Pacifica P. ; Langgas, Anton Dee C. ; Tafaleng, Gladys T.
- i. *Sanitation Practices in Sadanga, Mountain Province* by Ailene D. De Vera, Esther Lynn Bayudang Arnold P. Biangalen, Edmund A. Ekid, Nerissa Nayaman, Alexander Pangket
- j. *Child Rearing Practices of Barangay Cagubatan, Tadian, Mountain Province* by Iris E. Coltong, Heather T. Batoy, Clarice A. Lacwasan, Maria A.Pudsoc, Narcisa P. Tanacio

**5. Published in Research Forum in Research Journal with ISSN 2094-6929/Vol III**

- a. *Comparative Effect of Camote (Ipomoea Batatas) and Tawa-Tawa (Euphorbia Hirta Linn) on Blood Components* by Michelle Dangkiw Pespes, Eurah Alintog Cawalo, Greg Fernandez Crepa, Aaron Langgato Fakat Jr., Paula Lay-os Lomas-i, May Ann Tindowen Tocya and Mareshell Caletina Wayyas
- b. *Effectiveness of Tawa-Tawa as Treatment for Urinary Tract Infection* by Jasmin Beyden Angitag, Pia Jacinto Addaoen, Jenevive Bantiloc, Debbie Fey-Awan, Xandra Kalang-ad, Grail Balatbat Okko and Gretchylle Sagorsor
- c. *Knowledge of MPSPC Freshmen Students on Sexual Development, Reproductive Health and Behavior on Sexual Relationships* by Rosemenda Akay, Febe Capones, Prudence B. Dawey, Rossana B. Habawel, Aida C. Ganaden, Gracil A. Lacaben, Anie Lag-as, Charibel Lamagan and Ivy Basnic
- d. *Relationship of Speech Performance to the Attitudes of MPSPC BSED Students* by Maria Consuelo Aluyen, Beverly Ap-apid, Melody Salwagan and Earl Margareth Buseley
- e. *Automated Election in Central Bontoc* by Nigel Fesway, Sacer Alvaro, Sheryl Bernardez, Denver Gamlosen Antonia de Vera, Jake Maingag and RextonFalag-ey
- f. *The Automated Teller Machine Services of Land Bank and Philippine National Bank in Bontoc, Mountain Province: An Assessment* by Mariano, Ivy;Mamma, Rosella;Walay, Vilma; Ngan-oy, Maylene and Dogwe, Terumi
- g. *Records Management of the Barangay Secretaries in Bontoc Municipality, Mountain Province* by Joan A. Galid, Palmer Gayec, Gema Solomon, Virginia Lagawid, Valentina Castillo and Cherry Ann Fagyan

**6. Published in MPSPC Research Journals with ISSN 0119-5638/ Vol XI**

- a. *Awareness of MPSPC Students, Faculty and Staff on Regional Autonomy* by Dexter Lingbanan
- b. *The Pillars of Traffic Management Among Abatan Van Drivers of the Halsema Highway* by June S. Biangdan et.al
- c. *Course Preferences of the High School Graduating Students in Tadian and Bauko, Mountain Province* by Geraldine L. Madjaco & Hilary L. Tican
- d. *Implementation of Rehabilitation Programs of Parole Probation Office (PPAO) in Mountain Province* by June S. Biangdan et.al
- e. *Backstrap Weaving in Guinzadan, Bauko, Mountain Province* by Pilar L. Palangyos & TeodoricoD. Chacapna
- f. *Revitalization of the Indigenous Cuisines of Bontoc, Mountain Province* by Karen Cue



- g. *Mother Tongue and Orality in Teaching Cordillera Literature* by Antonina Manochon
- h. *Syntax Of Kankanaey Language of Tadian Central: Structure And Expansion* by Estrella Basco

### **List of Presented Researches in International Fora**

1. "Research Conference for Globalization and Sustainability" Organized by West Visayas State University at Sarabia Mano Hotel and Convention Center Iloilo City.
  - a. *Gender Roles in the Textile Industry in Mountain Province*
    - Presented by Geraldine Segseg
  - b. *Dynamics of Probation law (PD 968 amended) in the Cordillera Region*
    - Presented by Edgar Mapangdol
  - c. *Cultural Implication of Patterns, Designs, Symbols, and Colors of Ethnic Woven Products in Mountain Province*
    - Presented by Ehipania Magwilang and Maria Paz Baldo
  - d. *Awareness of Students, Faculty and Staff on Regional Autonomy*
    - Presented by Dexter Lingbanan
  - e. *Emotional Intelligence of Fourth Year BS Criminology Students of MPSPC*
    - Eric Danglosi, Edgar Mapangdol, Mary Diccican and Gregorio de los Santos
2. International Conference on Climate-Smart Knowledge Management for the Uplands organized by Bicol University at Legazpi City.
  - a. *Baseline Survey for the Conservation of the Rice Terraces in Mountain Province*
    - Presented by Linda Guinabang
  - b. *Soil Fertility Mapping of the Production Sites of Selected Vegetables, Legumes and Root Crops in Western Mountain Province*
    - Presented by Santiago Recile
  - c. *Woody Plant Species of Mount Data national Park, Mountain Province*
    - Presented by Melanie Subilla

### **List of Presented Researches in National Fora**

1. REDTI National Research "Sustaining Research Capabilities to Generate New Knowledge" Organized by REDTI
  - a. *Awareness of MPSPC Students, Faculty and Staffs on Climate Change*

- Presented by Gregorio de los Santos, Eric Danglosi, Francisco Armas and Annie Grail Ekid
  - b. *Emotional Intelligence of Fourth Year BS Criminology Students of MPSPC*
    - Presented by Eric Danglosi, Edgar Mapangdol, Mary Dicdican and Gregorio de los Santos
  - c. *Implementation of Emergency Medical Services in Bontoc*
    - Presented by Marvin Fidel, Nieves Chao-as et.al
  - d. *Effect of Tawatawa as Treatment for Urinary Tract Infection*
    - Presented by Jasmine Angitag, et.al. and Georgina Maskay
2. 1<sup>st</sup> National Scientific Conference on the Saving the Cordillera Ecosystems Network, Inc. organized by SCENe. Inc
- a. *Awareness of MPSPC Students, Faculty and Staffs on Climate Change*
    - Presented by Gregorio de los Santos, Eric Danglosi, Francisco Armas and Annie Grail Ekid
  - b. *Blackstrap Weaving Designs of Woven Products on Guinzadan, Bauko, Mtn. Prov. and their Implications*
    - Presented by Pilar Palangyos and Teodorico Chacapna
  - c. *Development of Dried Japanese Persimmon Diospyrus kaki L.*
    - Presented by Julie Garsi
  - d. *Floral Inventory in Ecotourism Sites in Rice Terraces of Mountain Province*
    - Presented by Genevieve Claudio
  - e. *Indigenous Knowledge and Biodiversity Conservation Practices for the Conservation of the Rice Terraces in Mtn. Province*
    - Presented by Estrella Basco
  - f. *Evaluation of Indigenous Engineering: Stonewalled Rice Terraces in Mountain Province*
    - Presented by Linda Guinabang
  - g. *Documentation of Agroforestry Systems and Practices in Mountain Province*
    - Presented by Alexander Baldic
  - h. *Conservation of the Biodiversity of Mount Data*
    - Presented Melanie Subilla
3. Philippine Society for the Study of Nature, Inc. (PSSN) 6<sup>th</sup> Annual Scientific Conference organized by PSSN-CAR & MPSPC
- a. *Backstrap Weaving Designs of Woven Products on Guinzadan, Bauko, Mtn. Prov. and their Implications*
    - Presented by Pilar Palangyos and Teodorico Chacapna
  - b. *Knowledge of Users on the Usage and Effects of Momma Chewing*
    - Presented by Georgina Maskay
  - c. *Health Care Practices of Women Gardeners in Upper Bauko, Mountain Province*

- Presented by Georgina Maskay

### List of Researches Presented in Regional Fora

1. Agency Performance Review organized by the Research Unit at Archog Hotel, Bontoc, Mountain Province.
  - a. *Effectiveness of Peppermint-Honey Shampoo*
    - Presented by Georgina Maskay
  - b. *Comparative Effect of Tawa-Tawa as Treatment of Urinary Tract Infection (UTI)*
    - Presented by Georgina Maskay
  - c. *Knowledge of Users on the Usage and Effects of "Momma" Chewing*
    - Presented by Georgina Maskay
  - d. *Music Preference of Freshmen Teacher Education Students of MPSPC Tadian Campus*
    - Presented by Hilary Tican et. Al.
  - e. *Perceptions of Faculty on the Dropping-out Among Teacher Education Students of MPSPC Tadian Campus*
    - Presented by Alexander T. Baldic and April Fay Palicos
  - f. *Backstrap Weaving Designs of Woven Products in Guinzadan, Bauko, Mountain Province and their Cultural Implications*
    - Presented by Pilar L. Palangyos and Teodorico D. Chacapna
  - g. *Child Physical Abuse in Central Bontoc, Mountain Province*
    - Presented by Eric Danglosi et.al.
  - h. *The Syntax of Kankanaey Language of Tadian Central: Structure and Expansion*
    - Presented by Estrella Basco
  - i. *Readiness of 4th Year Students on the Six Areas of the Criminology Board Examination*
    - June Biangdan
  - j. *Mother Tongue and Orality in Teaching Cordillera Literature*
    - Antonina M. Manochon
  - k. *Implementation of Rehabilitation Programs of Parole Probation Office in Mountain Province*
    - Eric Danglosi et al.
  - l. *Status of Crime Operation in Bontoc, Mountain Province*
    - Eric Danglosi
  - m. *Perspective of Abatan Van Drivers on the Pillars of Traffic Management*
    - June Biangdan
  - n. *Growth and Yield Performance of Giant Granadilla (passiflora quadrangularisL.) as affected by Types of Planting Materials and Organic Fertilizers*
    - Gregorio M. Delos Santos and Jessie Lengwa
  - o. *Characterization and Germplasm Collection of Japanese Persimmon Cultivars Grown in Mountain Province-ongoing*
    - Julie P. Garsi
  - p. *Effect of Different Rates of Inorganic Fertilizers on the Growth and Yield Performance of Arabica Coffee-ongoing*
    - Alver Claudio

- q. *Effect of Pre-treatment and Fruit Maturity Stages on the Quality of Dried Persimmon-ongoing*
    - Julie P. Garsi
  - r. *Delivery of Essential Health Care Program: DepEd Mountain Province Expressions-ongoing*
    - Annie Grail F. Ekid
  - s. *Selected Indigenous Plant Leaves as Ripening Agent for Cardaba Musa balbesiana Banana under Masla Condition*
    - Alver Claudio et. Al.
  - t. *Implementation of Emergency Medical Services in Bontoc, Mountain Province*
    - Georgina Maskay
  - u. *Woody Plant Species Diversity of Mount Data National Park, Mountain Province*
    - Melanie Subilla
  - v. *Relationship of Speech Performance and Attitudes Majority in English Towards Speech*
    - Annie Grail F. ekid et al.
  - w. *Assessment of Knowledge of MPSPC Students on Rape and other Sex Crimes*
    - Gina Lacaben et. Al.
  - x. *Revitalization of the Indigenous Cuisines of Bontoc, Mountain Province*
    - Karen Cue
  - y. *Awareness of Students, Faculty and Staff of MPSPC on Regional Autonomy*
    - Dexter Lingbanan
2. 22<sup>nd</sup> Regional Symposium on RDE organized by HARRDEC at ATI-CAR, BSU, La Trinidad Benguet
    - a. *Effect of Pre-treatment and Fruit Maturity Stages on the Quality of Dried Persimmon* by Julie P. Garci.
    - b. *Growth and Yield Performance of Giant Granadilla (Passiflora quadrangularis L.) as Affected by Types of Planting Materials and Organic Fertilizers* Gregorio M. De Los Santos and Jessie Lengwa.
    - c. *Awareness of Students, Faculty and Staff on Regional Autonomy* by Dexter Lingbanan
    - d. *Woody Plant Species of Mount Data National Park, Mountain Province* by Melanie Subilla
    - e. *Backstrap Weaving Designs of Woven Products on Guinzadan, Bauko, Mtn. Prov. and their Implications* by Pilar Palangyos and Teodorico Chacapna
    - f. *Mother Tongue and Orality in Teaching Cordillera Literature* by Antonina M. Manochon
    - g. *Readiness of 4<sup>th</sup> Year Student on the Six Areas of the Criminology Board Exam* by Eric Danglosi
    - h. *Status of Crime Operation in Bontoc, Mountain Province* by Eric Danglosi
    - i. *Music Preference of Freshmen Students, 2011-2012* by Hilary Tican
  3. 2<sup>nd</sup> Baguio Social Summit

- a. *Backstrap Weaving Designs of Woven Products on Guinzadan, Bauko, Mtn. Prov. and their Implications* by Pilar Palangyos and Teodorico Chacapna
- b. *The Pillars of Traffic Management among Abatan Van Drivers of the Halsema Highway* by June S. Biangdan

### List of Researches Presented in the Institution

1. Gender and Development Researches Agency in-House Review organized by Reseaserch and Development Unit MPSPC at Audio Visual Room (AVR), MPSPC
  - a. *Stress Management of Hospital Workers* by Jerry N. Morareng, Vickielyn D. Acdang, Alma P. Cayabas, Eduardo P. De la Rosa, Afra Jane L. Kewan, Sharon O. Oloan.
  - b. *Gender Sensitivity of BSN III and IV Students on Basic Nursing Skills* by Joy P. Pacdaan, JastineReinier Y. Corpuz, Maryjane N. Egcatan, Bona C. Kalang-ad, Julet B. Lisalis, Velma C. Sawadan, Hermin-Jane T. Sianen
  - c. *Attitude of Graduating Students of Mountain Province State Polytechnic College on Gender Roles* by Chiryl M. Ageb-eb, Nida P. Challoway, Xavier U. Claver, Balbina M. Gannamoy, Chaila M. Ignacio, Delia F. Nestor, Fely K. Pangod
  - d. *Awareness and Acceptability of BS Nursing, Teacher Education and BS Criminology Students on Gender and Development (GAD) Accord of the Philippine Education Institution (PHEI)* by Hanzjoy Miguel, Nicodimo Galisen, Khan Belino, Cherry Fagyan, Crystell Kabluyen, Narcisa Lambino
  - e. *Gender Sensitivity Among Community Health Care Workers in Bauko, Mountain Province* by Monalisa N. Mendoza, Tyrel Slade D. Baquiran, Julien Canayon, Krystalline Galgalan, Lourdes Loma-ang, Donald B. Siki
  - f. *Self Esteem and Self Confidence of BS Nursing Students of MPSPC, Bontoc Campus* by Luis Rey Lao-ed, Jayjet Bolo-oy, Jemima Dagiw-a, Marvy Malamnao, Kimberly Fakat, Charlanne Agnaonao.
  - g. *Health Status of Women Gardeners of Upper Bauko, Mountain Province* by Marisol Lopez, Mhidy G. Ferrer, Myla K. Pidlao, Chad Adrian T. Ekid, Melody C. Bangao, Janssen Amogan, Winston Razziel A. Fegcan





## RESEARCH LINKAGES

It may be said that the successes of the research unit in various endeavor may be attributed to the linkages with different GOs and NGOs. The table presents the list of agency/office/organization and the area of collaboration that resulted to the success of the research activities.

**Table 18. Agency/Office/Organization Collaborated with by the Research Department**

<b>Name of agency /Office/ Organization</b>	<b>Area of Collaboration</b>
<b>HARRDEC</b>	Technical Support/Financial support
<b>SUCCARRDEC</b>	Technical Support/Financial support
<b>DOST</b>	Financial Support
<b>CHED ZRC</b>	Financial Support
<b>CIERDEC</b>	Technical and Financial support
<b>PAENRO</b>	Collaboration and Dissemination
<b>LGU's</b>	Collaboration for Learning Advocacy
<b>UNFPA</b>	Collaboration and Financial Support
<b>PAIR</b>	Collaboration and Dissemination
<b>REDTI</b>	Publication and Dissemination
<b>SCENE, INC</b>	Collaboration and Dissemination
<b>West Visayas State University</b>	Collaboration and Dissemination
<b>PSSN</b>	Collaboration and Dissemination
<b>Bicol University</b>	Collaboration and Dissemination
<b>NARTDI</b>	Technical Support/Financial support

## B. EXTENSION

In strengthening extension activities, matters concerning agriculture, health, continuing education, information communication technology, culture and the arts, community library and resource development, information education campaign, sports and community services were addressed. Also, more aggressive steps were undertaken to enrich the activities of communities and schools through the “Adopt-a-Barangay” and “Adopt-a School” programs. The table below presents the list of

adopted school and barangays for CY 2012.

**Table 19. List of Adopted School and Barangays**

<b>ADOPTED SCHOOLS</b>	
1	Tapapan National High School, Bauko, Mountain Province
2	Cagubatan National High School, Tadian, Mountain Province
3	Abatan National High School, Bauko, Mountain Province
4	Banao National High School, Bauko, Mountain Province
5	Kayan, Elementary School, Tadian, Mountain Province
6	Bekes Elementary School, Buguias, Benguet
7	Ut-utan Primary School, Bontoc, Mountain Province
8	Sadanga National High School, Sadanga, Mountain Province
9	Sadanga Elementary School, Sadanga, Mountain Province
10	Guinzadan National High School, Bauko, Mountain Province
11	Guinzadan Elementary School, Bauko, Mountain Province
12	Holy Rosary High School, Kayan, Tadian, Mountain Province
<b>ADOPTED COMMUNITY ( All in Mountain Province)</b>	
1	Bunga, Tadian
2	Betwagan, Sadanga
3	Poblacion, Bauko
4	Kayan East, Tadian
5	Cagubatan, Tadian
6	Poblacion, Tadian
7	Mainit, Bontoc
8	Can-eo, Bontoc
9	Bontoc Ili, Bontoc
10	Besao
11	Sagada
12	Otucan, Bauko
13	Mounta Data, Bauko
14	Sumadel, Tadian

The College personnel engaged in extension services are passionate in the implementation of extension programs. Table 20 shows that the College surpassed the targets it had set for the number of person trained and the number of person-day utilized.

**Table 20. 2012 Extension Actual Accomplishments Vis-à-vis Targets**

<b>Physical Indicator</b>	<b>Target</b>	<b>Actual Accomplishment</b>	<b>Percentage of accomplished</b>
<b>1. Number of Persons Trained</b>			
Agricultural Extension	255	1947	763.53%
Technical/Vocational	60	433	721.67%
Continuing Education for Professionals	1,600	1481	92.56%
Others	2,150	5662	263.35%

Total	4,065	9523	234.27%
<b>2. Number of Person-Days Utilized for Training</b>			
Agricultural Extension	760	6941	913.29%
Technical/Vocational	270	685	253.70%
Continuing Education for Professionals	2,350	2784	118.47%
Others	1,700	10427	613.35%
Total	5,080	20837	410.18%
<b>3. Number of LGUs Assisted in Development Planning</b>			
Communities	25	36	144.00%
Schools	3	19	633.33%
Total	28	55	196.43%

**Table 21. List of Completed Extension Activities for 2012**

Title of the Activity	Date and Venue	Person's and Department Responsible
<b>Agriculture</b>		
Environment Protection and Natural Resources Conservation Education	Continuing activity for A.Y. 2012 – 2013	College of Forestry
Training on National Competency Qualification Assessment Program on Horticulture and Agriculture Crops	March 7, 2012 Eastern Bontoc National Agricultural and Vocational high School, Barlig , Mt. Province (EBNAVHS)	Dr. Linda I. Guinabang
Environment Awareness Campaign and Education Fund Raising Concert and Variety Show on Environmental Awareness Campaign	March 10-11, 2012 Bauko Municipal Hall	College of forestry faculty and COF Student Organization
Environment Protection and Natural Resources Conservation Education	Continuing Activity for A.Y. 2012 -2013	College of Forestry

Tree Planting	June 12-30, 2012 (continuing activity until August)	Extension Unit, NSTP, MPSPC Personnel, Students and Community
Training on Citrus Nursery Establishment and Management	October 10, 2012 Anglican church, Barangay Belcoang, Sagada Mt. Province	Extension Unit - Joel C. Faroden
<b>Technology/Vocational</b>		
Livelihood Skills Training on Basic Sewing Processes – Phase II	November 2011 to June 2012	Ms.Demetria W. Bayongasan, BSIT Department Faculty
Training Workshop on Adobe Moviemaker and Adobe Photoshop Software	March 26-27, 2012	Mr.Teodorico D. Chacapna
6 Months Automotive Service Technician	October 2011 – March 2012	BSIT Department
Livelihood Skills Training on Basic Sewing Processes – Phase II	April – June	Ms.Demetria W. Bayongasan BSIT Department Faculty
Training on Handicrafts Making through Recycling	August 8, 2012 3F New Admin. Building., Tadian Campus	BSBA - Z Bañez - FH Palangya - JT Gaas - RP Gayo, Jr. - MGD Payad - J Cuyangoan
Training on Haircutting/Styling and Make – up	August 25, 2012 Auditorium, 3 <sup>rd</sup> floor, New Admin Building – Tadian Campus	TED - Evelyn A. Pil – ingen
Training Workshop on Food Processing and Kimchi Making	October 26, 2012 Social Hall, Kayan East, Tadian Mt. Province	Extension Unit, Hotel and Restaurant Management - Ms. MG D. Payad - Mr. RP GAYo, Jr. - Mr. J Lamnao, Jr/ - Ms. J Cuyangoan

Training on Pickles Making: <ul style="list-style-type: none"> <li>- Cabbage</li> <li>- Papaya</li> </ul>	November 24, 2012 Otucan, Bauko, Mt. Province	RDE <ul style="list-style-type: none"> <li>- Ms. UD Dontogan</li> <li>- Mr. K Mang-usan</li> <li>- Mr. JC Faroden</li> <li>- Mr. Gm Delos Santos</li> <li>- Ms. MGD Payad</li> <li>- Mr. E Pakipac</li> </ul>
Training on Bio – Abuno; <ul style="list-style-type: none"> <li>- Abaca</li> <li>- Sunflower</li> <li>- Azolla</li> </ul>	November 24, 2012 Otucan, Bauko, Mt. Province	RDE <ul style="list-style-type: none"> <li>- Ms. UD Dontogan</li> <li>- Mr. K Mang-usan</li> <li>- Mr. JC Faroden</li> <li>- Mr. Gm Delos Santos</li> <li>- Ms. MGD Payad</li> <li>- Mr. E Pakipac</li> </ul>
<b>Continuing Education</b>		
Softball and Baseball Little League Training	October 1 to February 2012	Mr. Amory A. Umayat BSIT Department Chairmen
Training on Musical Transcription	October 1, 2011 to March 27, 2012	Mr. Joel Z. Mojica, TED Faculty
Training on Contemporary Ballet for Children	February 27, 2012 to March 27, 2012	Ms. Mary Grace D. Payad, Ms. Jocelyn M. Akien
Training on Mix martial Arts Sports Development	January 3, 2012 to March 30, 2012	Jefferson S. Damag
Peer Facilitators Training and Development	March 8-9, 2012 moved to March to 15-16, 2012	Jefferson S. Damag
Seminar on Professional Ethics Theme: Enhance Customer Patronage and Community Service through Archetypal Psychology	March 14, 2012	Department of Nursing
Leadership Training	March 23-25, 2012	Ms. JM Akien Ms. GD Payad Mr. CA Akien <del>Mr. BB Cayo, Jr.</del>
Peace Education and Development	June 1, 2012	Claro Esoen
Doing Business in Free Trade Areas	June 22, 2012	BSBA
K2 – 12 Forum	June 29, 2012	TED



Extension Class at the Saint Peter's Seminary	June to March 2012	TED
Uphold Children Morality Program: Read-a-Book	June 27, 2012	TED, Extension Unit
Values Education on Children Life Workshop	May 14-18, 2012 Sumadel, Tadian, Mt. Prov.	Extension Unit, TED
Uphold Morality Program: Read – a – Book (Big Picture)	June 27, 2012 Ut – utan Primary School, Bontoc	Ms. Julie Y. Lumsit Ms. Mary Grace D. Payad
Uphold Morality Program: Read – a – Book (Big Picture)	July 4, 2012 Bekes Primary School, Buyacaoan, Buguias, Benguet	Ms. Jocelyn M. Akien Ms. Mary Grace D. Payad
Seminar – Workshop on Records Management (Business Integration Program)	July 25, 2012 Bunga, Tadian, Mt. Province	Extension Unit - Z Bañez - FH Palangya - G Kiwang - RP Gayo, Jr. - MGD Payad - J Cuyangoan
Seminar Workshop on Publication Writing, Editing and Lay – outing	August 9, 2012 Tapapan National High School	TED, Extension Unit and MPSPC Wawalitan - Ms. JM Akien - Ms. GD Payad - Ms. P Palangyos - Mr. CA Akien - Mr. JB Lagera
Seminar Workshop on Publication Writing, Editing and Lay – outing	August 15, 2012 Banao National High School	TED, Extension Unit and MPSPC Wawalitan - Ms. JM Akien - Ms. GD Payad - Ms. P Palangyos - Ms. HN Bayogan - Mr. JB Lagera - Mr. CA Akien
Training on Correctional Practices of BJMP and Bureau of Corrections	August 23, 2012 Auditorium, New Admin Building, Tadian Campus	Criminology Department - Eric L. Danglosi

Uphold Morality Program: Read – a – Book (Puppet show)	August 28,2012 Bekes Primary School, Buyacaoan, Buguias, Benguet	Ms. Jocelyn M. Akien Ms. Mary Grace D. Payad
Seminar Workshop on Publication Writing, Editing and Lay – outing	September 4, 2012 Abatan National High School	TED, Extension Unit and MPSPC Wawalitan - Ms. JM Akien - Ms. GD Payad - Ms. P Palangyos - Ms. HN Bayogan - Mr. JB Lagera - Mr. CA Akien - Ms. J Garsi
Uphold Morality Program: Read – a – Book (Arts)	September 28, 2012 Bekes Primary School, Buyacaoan, Buguias, Benguet	Ms. Jocelyn M. Akien Ms. Mary Grace D. Payad
Business Expense and Sales Trainings and Business	September 29, 2012 MPSPC – Auditorium, Bontoc	BSBA - Ms. G Sagandoy
Uphold Morality Program: Read – a – Book (Variety show)	October 31, 2012 Bekes Primary School, Buyacaoan, Buguias, Benguet	Ms. Jocelyn M. Akien Ms. Mary Grace D. Payad
Developing Student Writers through a Journalism Training Workshop	November 9 – 10, 2012 Sadanga National High School	TED - Dr. Ekid
Choral Clinic Seminar – Workshop	November 9 – 10, 2012 Sadanga National High School	TED - Annie Grail F. Ekid
<b>Others</b>		
Community Library Reading and Development	February 3, 2012 Barangay Mt. Data	Ms.Fely Akilith Ms.MelannieSubilla Ms. Cheryl Lasangen
Information Drive on Cardiovascular Disease / Prevention and Control	February 29, 2012 Mainit, Bontoc, Mountain Province	Cherry Ann B. Chagyowen
Street Dancing Training for the Ayyoweng di LambakedTadian 2012	February 2012 to March 4, 2012	Cephas A. Akien, Adela A. bantasan II, Mary Grace Payad, Bentor
2012 Institutional Marketing	February to March 2012	SSDO, TED Chairman, TED Faculty, Staff: FlairePalangya,

Tree Planting	June 12-30, 2012 (continuing activity until August)	Extension Unit, NSTP, MPSPC Personnel, Students and Community
Seminar on the Legal Implications of Child Abuse: Responsible Parenthood and the Need to Understand a Child	September 11, 2012 at Municipal Hall, Poblacion Tadian	Liberal Arts - Bronwen Lang – akan
Information Education Campaign on Regional Autonomy	September 11, 2012 Auditorium, MPSPC – Bontoc Campus	TED and Office of the President - KJB Mang-usan - Dexter Lingbanan - Claro Q. Esoen
Social Etiquette and Protocol on Job Application	September – October 2012 Cable Café – Bontoc	HRM/T Department - Karen B. Cue
Activity Design on “Nurturing the Echo System: A Tree Planting” at Besao on October 6, 2012	October 3, 2012 Besao	BSBA
Oplan Cellophane	October 4, 2012 Tadian Campus	RDE - Mary Grace D. Payad - Dr. GM De Los Santos
Prevention and Control of Kidney and Liver Diseases	October 6, 2012 Nursing Department	Nursing Department - CB Chagyowen
Seminar – Workshop on “Filipino – Chinese Cuisine” held on October 13, 2012	October 13, 2012 Cable Cafe, Bontoc	HRM teachers - Karen B. Cue
Seminar on the Legal Implications of Child Abuse: Responsible Parenthood and the Need to Understand a Child	October 25, 2012 Bontoc Ili	Liberal Arts - Bronwen Lang – akan
Workshop on Behavioral Objectives Formulation and TOS	December 7, 2012 Auditorium, New Admin Building – tadian Campus	RDE, TED - Mr. GM Delos Santos - Ms. MGD Payad - Ms. AB De Vera - Mr. HL Tican - Mr. AB Say – eo - Ms. HN Bayogan

Assessment Test at Cagubatan National High School	December 12, 2012 Cagubatan National High School	Extension Unit, TED, Guidance <ul style="list-style-type: none"> <li>- Ms. JY Lumsit</li> <li>- Mr. J Cawaren</li> <li>- Ms. B Lang – akan</li> <li>- Mr. Claire Agyapas</li> <li>- Mr. JC Faroden</li> <li>- Ms. MGD Payad</li> </ul>
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# GENERAL ADMINISTRATION AND SUPPORT SERVICE

## A. PERSONNEL ADMINISTRATION

If the quality of education could be enhanced through accreditation, the quality of services employed in dealing with human resources will likewise be improved through the Comprehensive Personnel Management Assessment (CPMA) by the CSC Agency Accreditation Program (CSCAAP). Here the Commission may grant MPSPC the authority to take final action on the appointments after having met the CSCAAP requirements. The CPMA is in consonance to E.O No. 292 which mandates the Civil Service Commission (CSC) to conduct a periodic inspection and audit in government agencies to determine their compliance with civil service policies and assist them enhance their personnel programs with the end view of empowering MPSPC to become self-managed in human resource and development.

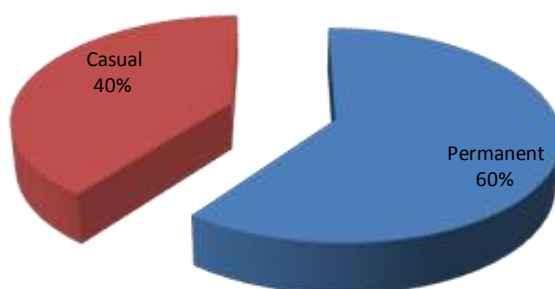


The assessment or evaluation is focused on the major areas of personnel management such as personnel records management, appointments, personnel mechanisms and capability of the human resource management officer.

Significantly, in January 2012, the CSC CAR, through a resolution granted MPSPC to take final action on the appointments after having met the CSCAAP requirements.

The number of non-teaching personnel increased from 86 in 2011 to 96 (14%) in 2012 (59 permanent and 39 casual employees). The increase is attributed to the growing personnel needs in research, extension, production and special projects, as a result of strengthening the mandates of research, production, and extension.

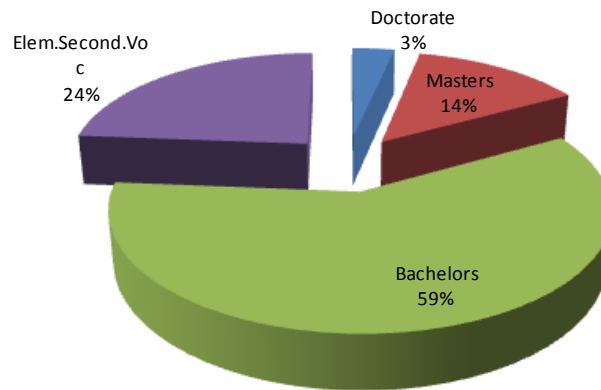
**Figure 4. Percentage Distribution of Administrative Staff according to Status of Appointment**





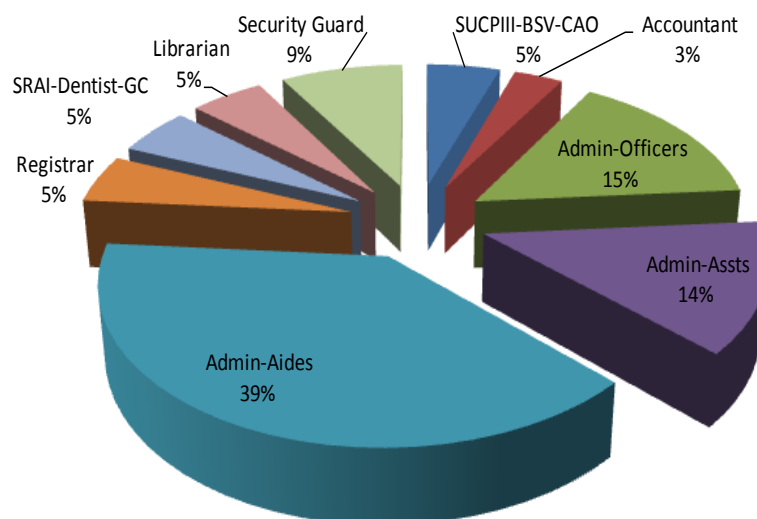
The administrative support staffs of the College are given the chance to pursue higher education as part of personnel development. Of the 59 permanent non-teaching, 2 or 3% are doctoral degree holders, 8 or 14% are Masters' Degree holders, 35 or 59% are Bachelors' degrees. There are 14 or 24% were elementary/secondary/vocational graduates.

**Figure 5. Administrative Staff Percentage Distribution According to Highest Educational Attainment**



The administrative staff is composed of 1 SUCPIII, 1 BSV, 1CAO, 2 Accountant, 9 Administrative Officers, 8 Administrative Assistants, 23 Administrative Aides, 3 Registrars, 3 Librarian, 1 SRAI, 1 Dentist, 1 Guidance Counselor and 5 Security Guards.

**Figure 6. Administrative Staff Percentage Distribution According to Position**



## **B. PERSONNEL TRAININGS/SEMINARS/CONFERENCES CONDUCTED**

In-house trainings, seminars and workshops were conducted to improve personnel knowledge on the update of rules, policies and guidelines and improvement of personality. Knowledge acquired from these seminars/trainings/workshops are being applied or incorporated in the day to day work of the employees. The table shows the trainings proposed, conducted and or attended.

**Table 22. Trainings Proposed, Conducted and/or Attended**

	<b>Trainings proposed, conducted and or attended</b>	<b>Remarks</b>
1	Orientation Seminar on the Latest Update of NBC No. 461 on June 8 2012 at Tadian Campus.	Latest NBC updates must be disseminated immediately
2	Orientation of New Employees on June 29 at Tadian Campus	Orientation and introduction of new employees regardless of status, should be done ASAP by concerned offices before they begin their new job because many employees don't know their new colleagues
3	Revised Rules on Administrative Cases in the Civil Service or RRACCS (1 <sup>st</sup> batch) on August 29-30 at Bontoc Campus (50 pax)	RRACCS should be attended too by other personnel the next time it will be conducted
4	Revised Rules on Administrative Cases in the Civil Service or RRACCS (2nd batch) on Nov.14-15 at Bontoc Campus (40 pax)	RRACCS should be attended too by other personnel the next time it will be conducted
5	Values Orientation Workshop or VOW conducted on Oct.16-17 at Tadian Campus (51 participants)	Attendance to VOW or other similar trainings need to be considered by employees; the expected attendance for the VOW was not met because many of those employees listed to participate did not attend
6	Seminar on Behavioural Objectives – December 7 at Tadian Campus	
7	Budget Forum on the FY 2013 Budget Preparation and the FY 2012 Fund releases	DBM
8	FY 2013 budget preparation consultation	NEDA
9	In house seminar on Gender and Development Orientation	MPSPC
10	Training on Internal Audit, Procurement and Financial System in an Institution –	MPSPC
11	Consultation with SUCs on Normative Funding Formula (NFF) and the FY 2013 SUCs MOOE	CHED Central Office

12	General Membership Meeting with Technical Session by GACPA Cordillera Chapter	GACPA
13	Seminar on Tax Updates	PICPA Mt. Prov.
14	Orientation Seminar on the Revised Documentary Requirements for Common Government Transactions	PICPA Mt. Prov.
15	Seminar on Values Orientation Workshop	CSC/MPSPC
16	PASUC Mid-year Conference	PASUC
17	Seminar/workshop on Law and Rules on Government Expenditures	COA - CAR
18	Seminar on the Strategic Performance Management System	CSC-CAR

## C. AWARDS

On the occasion of the MPSPC 20<sup>th</sup> Charter Day celebration on January, 2012, 16 employees were recipients of the loyalty awards. Of the total awardees, 8 were in the teaching sector while 8 were in the non-teaching sector.

### 10 YEARS LOYALTY AWARDEES

#### Faculty

1. Doroteo L. Bastian Jr.
2. Cleto Dalmacio
3. Noel Delos Santos
4. Eric F. Fulangen

#### Staff

1. Paula Angagka
2. Valentine G. Pasngadan

### 15 YEARS LOYALTY AWARDEES

1. Rogelio K. Balcita Jr.
2. Nellie B. Diaz
3. Charlie Wrykan S. Engngeg
4. Susan A. Lopez

1. Eduardo O. Garsi
2. Darwin F. Kalang-ad
3. Geraldo C. Mangal-ip
4. Elpecio B. Marrero Jr.
5. Pilar L. Palangyos
6. Norma F. Tacut

## D. MANAGEMENT AND GOVERNANCE

### BUILDING AND SITE DEVELOPMENT

There is an urgency to improve the facilities and buildings of the College if it is geared towards improving on its enrollment and expansion of curricular programs. Below presents the various proposed projects for CY 2012 and the extent of implementation.

**Table 23. Proposed Projects for CY 2012 and the Extent of Implementation**

	Proposed Projects for CY 2012	Extent of Implementation
1	Construction of Museum cum Culture and Arts (IP Building-Phase II)	On-going
2	Renovation and Improvement of ICT Laboratory	On-going
3	Completion of Administration Building-Phase II	Completed
4	Construction of Drainage	On-going
5	Repair of Comfort Rooms	Completed
6	Construction of Shower Rooms ( Tadian Campus)	On-going
7	Architectural Design of Proposed Academic Building (Tadian campus)	Completed
8	Marketing Center (Bontoc campus)	For bidding
9	Fabrication of Scale Model of MPSPC (Bontoc campus)	Completed
10	Construction of Temporary Stage at Bontoc Campus	Realignment of the construction of two septic tanks academic bldg.
11	Repair of Gutter of Old Academic Building	On-going

## SUPPLY AND PROCUREMENT

The procurement of much needed supplies and materials for the operations and administration of the College and for the mandates of instruction, research, and extensions was an important pre-requisite in the smooth operation of the College, following the Annual Procurement Plan for CY 2012. The important linkages forged by the College made the procurement of other much needed equipment and facilities possible.

The data below presents the quarterly procurement of supplies and materials under Fund 101 and annual procurement under Fund 164, where problems were encountered on the implementation which has caused the non-implementation of such. In the ensuing year, the GASS Sector will try to educate and inform the stakeholders of the College regarding the supply and procurement processes. A clear understanding of these will necessarily decrease problems and confusion attendant to the procurement process. The development of a College Supply and Property Management Manual of Operation (SPMO) will spur proper procurement and utilization of supplies and materials.

**Table 24. The Extent of Implementation for Supplies and Materials under Fund 101**

Annual Procurement Plan – Fund 101			
CY 2012	Supplies and Materials	Extent of Implementation	Remarks
1st Quarter	Various Office Supplies	Fully Implemented	Delayed implementation
2nd Quarter	Various Office Supplies	Fully Implemented	Delayed implementation
3rd Quarter	Various Office Supplies	Not Implemented	No more budget

4th Quarter	Various Office Supplies	Not Implemented	No more budget
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**Table 25. The Extent of Implementation for Supplies and Materials under Fund 164**

Annual Procurement Plan – Fund 164		
CY 2012	Extent of Implementation	Remarks
Laboratory-Nursing	3 out of 6 items procured or 50%	Low price estimate submitted
Laboratory- Criminology	1 out 1 item procured	Low price estimate submitted
Laboratory- IT (Bontoc & Tadian)	2 out of 3 items procured or 97%	
Laboratory-Chem/Bio/Physics (Bontoc & Tadian)	All 94 items were not procured	Wrong specification
Medical/Dental clinic	63 out of 64 items procured or 98%	Equipment not processed
Library	11 out of 12 items procured or 92%	
SCUAA/Sports	All 41 items procured	
SCAG/ Tadian Cultural Org.	All 16 items not procured	Realigned budget
ROTC	All 21 items procured	
RAATI	All 27 items procured	
NSTP	All 14 items procured	
Psychometric	All 9 items procured	Change plan of the psychometrician
Recognition Activities	All 14 items procured	
Extension Services	All 58 items procured	
Research Services	All 57 items procured	
Faculty and Staff Development	All 12 items procured	
Curriculum Development	All 12 items procured	
General Services Office	All 10 items procured	
Computer Laboratory	2 out of 3 items procured	
School Van	Bidding process	
Buildings	All 11 items procured	
Motor Vehicle Repair	All 2 items procured	
SSDO	All 2 items procured	

## FINANCIAL MANAGEMENT

The systems and procedures in financial management of the College were properly adhered to or effectively carried out by the Finance Division, ensuring compliance to accounting rules and principles and other rules and regulations provided by the different oversight agencies.

The stability of financial operations does not rely solely on the National Subsidy and the collection from tuition and other fees. The financial assistance and the assistance provided in kind by stakeholders- like the subsidy for the free



education program, scholarship, research programs, ladderized education programs, support to infrastructure, upgrading of equipment and other are all part of the equation.

The appropriation of the College in CY 2012, approved in the General Appropriations Act, is P73, 656,000. There is a decrease of P3, 655,000.00 or 4.73%. The decrease in the appropriation was caused by the decrease in the allotment of MOOE and removal of personal service allotment of unfilled positions in 2012.

We could gaze from the financial report that the disbursements of the appropriated budgets from CY 2012 were all in accordance to acceptable practices, laws and rules, systems and procedures set by the Governing Board and oversight agencies, and in accordance with the priorities of the College for the attainment of its vision, goals and objectives.

### **SUC LEVELING**

As of 2012, the College still ranked Category III-A. Strategic measures are being undertaken to escalate the College leveling since the last leveling was achieved in 2007.

### **DISBURSEMENT AND BUDGET ALLOCATION**

MPSPC is currently allotted .007% of the national budget and gets 11.77% allocation in the budget of CAR-SUCs.

Three (3) requests for realignment/reprogramming of appropriations of Fund 164 were prepared and submitted to the Board of Trustees for their approval. The table below is the summary of appropriations, collections available, obligations and balances of funds.

Table 26 shows the number of vouchers, obligation requests and/or budget utilization requests and checks that were prepared, reviewed processed and issued.

**Table 26. Number of Vouchers, Obligation Requests and/or Budget Utilization Requests and Checks that were Prepared, Reviewed, Processed and Issued**

Funds	Vouchers	OS/BUR*	Checks*
Fund 101	862	850	867
Fund 164	562	568	604
Fund 163	1	1	1

Fund 161	8	5	4
Angara Research Fund	6	7	3
Total	1,439	1,431	1,479

**Table 27. Budget Allocation for CY 2012**

Particulars	Appropriations	Collection Available	Obligation Incurred	Balances
Fund 164	61,576,109.03	59,465,783.13	40,092,381.88	19,373,401.25
Fund 163	913,303.71	162,830.71	715,000.00	913,303.71
Fund 161	245,356.26	24,556.25	36,284.15	209,072.10
Angara Research Fund	836,041.85	836,041.85	753,198.10	82,843.75

The percentage of released allocation under Fund 101 is 99.32% and available collections/financial assistance for Fund 164 is 53.42%, however, the amount were disbursed as of December 31, 2012. The cash balances of the different fund accounts of the College are shown below:

**Table 28. Cash Balances of the Different Fund Accounts for CY 2012**

Particulars	Cash Balances Dec. 31, 2011	NCA/TRA/Cash Balances/ Collection	Disbursements	Ending Balance
Fund 101	0.00	93,440,589.51	92,807,390.99	0.00
Fund 164	21,921,642.22	42,111,010.06	34,207,252.99	29,825,399.54
Fund 163	913,303.71	1,125,375.73	715,000.00	1,323,679.44
Fund 161	245,356.25	67,404.53	60,975.08	251,795.71
Angara Research Fund	835,561.85	480.00	667,449.26	168,592.59
Graduate School Trust Fund	223,421.78	18,770.00	0.00	242,191.78
Total Cash Balance	24,139,285.81	136,763,629.83	128,458,068.32	31,811,659.06

The appropriation of MPSPC for 2012 is 11.77% of the total appropriations of CAR SUCs. However, an additional amount of P15, 934,651.00 was released through SARO for the salary and bonus differentials and RLIP of employees under the third and fourth tranches of the Salary Standardization Law, terminal leave benefits of retired/resigned employees and the salaries and other compensation of newly-filled positions and casual employees, the release of which was facilitated by the Finance Division.

It will show on table 27 that 99.44% of the released allotment was obligated at the end of the year. The unobligated allotment for Personal Services is the remaining balance for Retirement and Insurance Premiums cannot be declared as savings. The table below shows the summary of appropriations, allotment released, obligations and balances of Fund 101 as of December 31, 2012.

**Table 29. Summary of Appropriations, Allotment Released Obligations and Balances of Fund 101 as of December 31, 2012**

Particulars	PS	MOOE	CO	TOTAL
<b>Allotment</b>				
Regular Appropriations	53,039,000.00	15,727,000.00		68,766,000.00
Automatic Appropriations	4,890,000.00			4,890,000.00
Continuing Appropriations		300,000.00	300,000.00	600,000.00
<b>Total</b>	<b>57,929,000.00</b>	<b>16,027,000.00</b>	<b>300,000.00</b>	<b>74,256,000.00</b>
<b>Additional Releases</b>				
PEI for FY 2012	890,000.00			890,000.00
Terminal Leave Benefits of Retired/Resigned Employees	385,763.00			385,763.00
Increase in Clothing Allowance	188,000.00			
3rd and 4th tranches salary adjustments	7,514,000.00			0.00
RLIP of Salary Adjustments	812,000.00			7,514,000.00
Salaries of newly-filled positions and casual employees	5,619,534.00			812,000.00
RLIP of Newly Filled Positions	525,354.00			0.00
				5,619,534.00
				525,354.00
<b>Total Additional Releases</b>	<b>15,934,651.00</b>	<b>0.00</b>	<b>0.00</b>	<b>15,934,651.00</b>
<b>Total Allotment</b>	<b>73,863,651.00</b>	<b>16,027,000.00</b>	<b>300,000.00</b>	<b>90,190,651.00</b>
<b>Less: Obligations Incurred</b>	<b>73,363,304.07</b>	<b>16,023,610.33</b>	<b>299,529.64</b>	<b>89,686,444.04</b>
<b>Balances</b>	<b>500,346.93</b>	<b>3,389.67</b>	<b>470.36</b>	<b>504,206.96</b>

The summary of appropriations, allotment, obligations and balances of Funds 164, 163, 161 and Angara Research Fund shows that Fund 164 has a total appropriation of P61,576,109.03, however, the actual cash back up is P60,402,648.59, which means that the targeted collection for Fund 164 was not met. The target collection included the targeted revenue as a result of the tuition fee increase which was approved by the Board of Trustees in December of 2011. The next table shows the summary of appropriations, collections available, obligations and balances of Funds 164, 163, 161 and the Angara Research Fund as of December 31, 2012

**Table 30. Summary of Appropriations, Collections Available, Obligations and Balances of Funds 164, 163, 161 and the Angara Research Fund as of December 31, 2012**

Particulars	Appropriations	Allotment Released	Obligations Incurred	Balances
<b>Fund 164</b>				
A. Internally Generated Fund -				
a. Regular Fees				
Personal Services	4,644,922.15	4,644,922.15	3,616,293.33	1,028,628.82
MOOE	11,819,598.90	11,819,598.90	11,262,540.87	557,058.03
Capital Outlay	19,181,447.52	18,446,475.57	16,257,596.17	2,188,879.40
Sub-total	35,645,968.57	34,910,996.62	31,136,430.37	3,774,566.25
b. Fiduciary Fees	15,768,182.00	15,329,693.51	10,086,345.83	5,243,347.68
B. External Stakeholders	10,161,958.46	10,161,958.46	2,837,101.96	7,324,856.50
Total	61,576,109.03	60,402,648.59	44,059,878.16	16,342,770.43
<b>Fund 163</b>	913,303.71	1,628,303.71	715,000.00	913,303.71
<b>Fund 161</b>	245,356.25	245,356.25	36,284.15	209,072.10
<b>Angara Research Fund</b>	836,041.85	836,041.85	753,198.10	82,843.75
<b>Total</b>	<b>63,570,810.84</b>	<b>63,112,350.40</b>	<b>45,564,360.41</b>	<b>17,547,989.99</b>

## FINANCIAL ACCOUNTABILITY

For 2012 the Finance Division complied with the submission of monthly, quarterly, and annual reports and other documents required by oversight agencies. These included the accountability reports for Funds 101, 164, 163 and 161.

## BUDGET ASSISTANCE

Despite the budgetary constraints being experienced by the College, management continued to lobby for additional funds to support the offering of quality education. Table 29 shows the various sources of funding assistance with the corresponding amounts and utilization.

**Table 31. Major External Fund Sources**

Assistance from stakeholders		Amount
1	PDAF- Senator Aquilino Pimentel, Jr.	300,000.00
2	CHED- for laboratory equipment	7,000,000.00
3	Pre-Amalgamation Initiatives for CAR SUCs	167,640.00
Total Current Year		7,467,640.00
Continuing Appropriation		
4	CHED- SAFE Loan	1,372,800.00
5	CHED- SAFE Scholarship	764,376.50
6	HARRDEC- Binnadang	14,621.96
7	Research and Extension (Apiculture)	43,520.00
8	PDAF- Congressman Palatino	200,000.00
9	PDAF- Congressman Tinio	300,000.00
Total Continuing Appropriation		2,694,318.46
Total (stakeholders)		10,161,958.46

## BUDGET PREPARATION

The budget proposal for Fund 101 for FY 2013 was prepared, reviewed and submitted to the Regional Development Council (RDC), DBM and CHED. The proposal was a collaborative effort of the different units and sectors of the College. The finance personnel of the College submitted the necessary papers and documents relative to the proposed budget. They attended the budget hearings called for by the Regional development Council and the Committees on Appropriations in both houses of Congress. They made revisions on the proposal as a result of the discussions. Below is the summary of the Appropriations of the College for FY 2013 as appearing in the National Expenditure Program.

**Table 32. Summary of the Appropriations of the College for FY 2013 as Appearing in the National Expenditure Program**

Programs	2012		2013		
	PS	MOOE	PS	MOOE	CO
GASS	15,167,000	4,962,000	19,704,000	10,343,000	7,700,000
Higher Ed	37,104,000	8,019,000	46,100,000	11,732,000	
Research	768,000	2,213,000	902,000	3,132,000	
Extension		533,000		930,000	
	57,929,000	15,727,000	66,706,000	26,137,000	7,700,000

Total	73,656,000	100,543,000
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The above table shows that there is a significant increase in the appropriations of the College in 2013 of P26, 887,000.00 or 36.5%. 66.19% or P10, 410,000.00 increase in MOOE will be felt in CY 2013 and after a long time of no subsidy for capital outlay, a P7, 700,000.00 is appropriation for the construction of academic building is included in the FY 2013 Budget.

In terms of programs, Instruction will get the highest appropriation of P65, 532,000 general administrative and support services of P30, 047,000.00, research services of P4, 034,000.00 and extension services of P930,000.00.

The Operating Budget for Fund 164 for FY 2012 was prepared and presented to the Board of Trustees. The same was approved by the Board of Trustees and will be implemented accordingly.

### **COLLEGE COLLECTION/INCOME**

Table 31 shows the details of the collections from tuition and other fees of students for Fund 164. From January to December 2012 the amount of P33,304,651.56 was collected. This is higher by P1,300,463.91 or 43.92% as compared with the collection for the same period in CY 2011 of P32,004,187.65. Aside from these collections, the College also received from the Commission on Higher Education the amount of P7,167,640.00 for the Disbursement Acceleration Program and the Amalgamation Fund. The amount of P600, 000.00 was also received for the scholarship assistance of Congressmen Raymond Palatino and Antonio Tino and the refund of excess of cash advance in the amount of P40,684.50.

**Table 33. Details of the Collections from Tuition and Other Fees of Students for Fund 164**

Department/Campus	CY 2011	CY 2012	% of Increase/ Decrease
Bontoc Campus			
Nursing	7,659,167.56	5,575,348.62	-27.21%
Accountancy	1,400,624.57	1,758,225.52	25.53%
Business Administration	2,346,946.20	2,583,586.23	10.08%
Criminology	6,374,434.29	8,510,695.62	33.51%
Teacher Education	4,628,286.12	5,156,570.50	11.41%
Hotel & Restaurant Management	1,415,774.12	1,440,141.25	1.72%
Information Technology			1.42%



	1,168,679.83	1,185,284.50	
Liberal Arts	163,787.50	52,120.00	-68.18%
Office Administration	770,521.78	870,479.50	12.97%
Graduate School	994,517.98	978,534.03	-1.61%
Others	1,521,328.70	2,071,738.54	36.18%
Sub-total	28,444,068.65	30,182,724.31	5.76%
Tadian Campus	3,560,119.00	3,121,927.25	-12.31%
Total	32,004,187.65	33,304,651.56	4.06%

While the College has sustained its accelerated income/ revenue growth due to its growing enrolment, relevant programs, much is still desired along the mandate on production. Management then must be creative in its resource generation management for the coming year.

### **COMPLIANCE TO COA REQUIREMENTS AND FINDINGS**

86.74% of cash Advances for Fund 101 and 37.22% for Fund 164 were obligated as of November 30, 2012. The balances are P20, 010.00 and P437, 787.50, respectively. The requirements for the Audit Observation Memoranda issued by COA Audit team was being complied and submitted.

The requirements prescribed under COA Circular No. 2012-001, dated June 14, 2012, the revised documentary requirements for common government transactions are being adhered to. Notices of liquidation of unliquidated cash advances were issued to persons liable and notice of collections from student-borrowers of STUFAF were sent out.

### **GENDER AND DEVELOPMENT PROGRAM**

Gender and Development (GAD) is an approach to development that focuses on how social, economic, political and cultural forces determine how differently men and women participate in, benefit from, and control resources and activities for sustainable development. Along this paradigm the Education sector must therefore adopt GAD means and consider gender as a factor when it plans, implements, evaluate programs, activities, projects, and services for development to attain excellence and leadership in development. However, understanding and leveling on the overall framework is needed.

In the Mountain Province State Polytechnic College, GAD activities were in compliance to the legal mandates of the government. Nonetheless gender activities

are sporadically integrated in the fourfold functions despite discourses and limitations. There is then the need to have a common conceptual framework for the advancement and mainstreaming of gender concerns in the college.



Gender and development orientation activities were conducted for students and College personnel to gain insights in the management of gender issues and development, to level off some gender discourses, and mainstream gender concerns in their particular units and come up with their corresponding suggestions and recommendations

Simultaneous Women's Day activities in both campuses were conducted with activities ranging from gender wellness, healthy lifestyle, and acetic washes at Bontoc General Hospital and Luis Hora Regional Hospital.

Furthermore, in the College, gender and culture instruction and researches were integrated in subjects Master in Rural Development and IPED, sociology and general psychology. Four faculty and seven proposals on GAD were completed.



Along the extension function, two approved proposals on life coaching program is ready for implementation. MPSPC GAD Committee implemented extension activities with Otucan Kalinga Women's Organization. The MPSPC GAD programs and activities were presented during the GAD Regional Summit. The figure below presents the GAD over-all accomplishment.

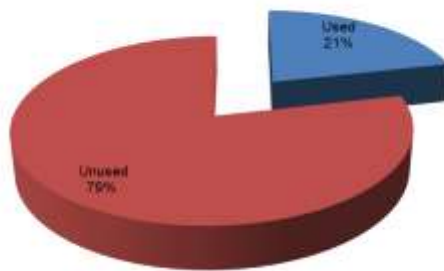


**Figure 7. GAD Overall Accomplishment**



For 2012, of the total budget for the implementation of GAD program, 21.58% was implemented and 79.42% remained unimplemented budget. The figure below illustrates the GAD budget utilization.

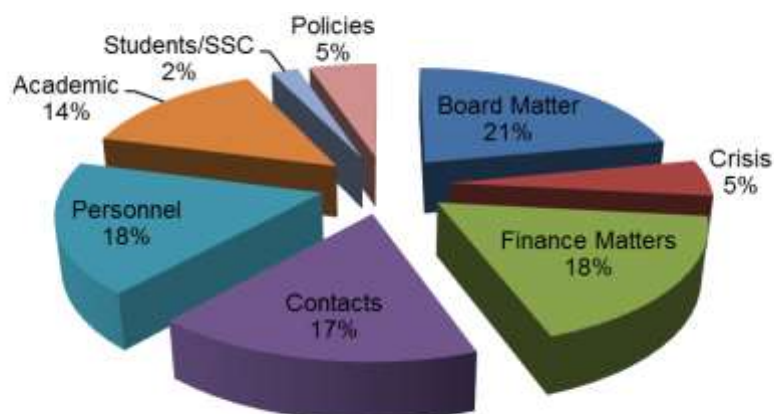
**Figure 8. GAD Budget Utilization**



## GOVERNING BOARD

The actions, initiatives, and priorities in 2012 were in consonance with acceptable practices, rules, systems and procedures set by the Governing Board and the Oversight Agencies. With the Development Plan (2005-2013) as guide, the efforts of the General Administrative and Support Services (GASS) of the College were geared towards and aligned to the programs of the academe. The figure below presents Board actions.

**Figure 9. Board Actions for CY 2012**



On its part, Management with the supportive Governing Board, all the stakeholders, shall continue to implement the reforms toward the attainment of the VMGO as it upholds commitment to quality and standards set by the CHED and other oversight agencies.

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## **YEAR-END REPORT, CY 2012**

### **Sources:**

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Financial Reports, Office of the Chief Administrative Officer  
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HRMO Data  
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Library

*“To God be the Glory”*



