Variates on the Research Performance of Selected Colleges of the University of Eastern Philippines

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ABSTRACT

This study evaluated variates on the research performance of selected colleges in the University of Eastern Philippines using the Accrediting Agency of Charted Colleges and Universities of the Philippines (AACUP) survey instrument for research. Significantly, this study determined and assessed the level of implementation in terms of chosen priorities and relevance; funding and other resources; implementation, monitoring, evaluation and utilization of research results/outputs and the extent of publication and dissemination of research output/results of the UEP researches. Also this study tried to determine the relationship between publication and dissemination of research outputs/results with priorities and relevance; funding and other resources; and the implementation, monitoring, evaluation and utilization of research results/outputs of the UEP researches.

This study was conducted at the University of Eastern Philippines main campus. The respondents were the Research Coordinators of eight (8) academic units/colleges in the university that have submitted degree programs for AACCUP accreditation. The College of Law was excluded because this is the only college that have not submitted yet for voluntary accreditation.

A survey was done to gather data using questionnaire as a tool.

The study employed the descriptive – correlational research design. Descriptive in a sense that it described the variates on research performance such as chosen priorities and relevance; funding and other resources; implementation, monitoring, and evaluation and utilization of research outputs/results; and publication and dissemination of research outputs/results. It utilized correlational design to determine the relationship between the dependent and independent variables. It has also evaluated the level of implementation of the different variables in the study.

The statistical treatment used was the weighted mean and the regression analysis to test the null hypothesis. The significant findings of this study are revealed in the selected areas of accreditation for research.

Keywords: Research Performance, Variates

1. Introduction

The importance of research in institutions of higher learning could not be over-emphasized. State universities and colleges cannot be called such if they are not engaged in worthwhile research activities. Hence, it is provided in their charter that research is one of their mandated functions. The University of Eastern Philippines, a state-owned university in Northern Samar, is no exception. Its University Code stipulates that the university performs fours major functions and one of these functions is research along with instruction, extension and production. Specifically, it expressly provides among others for the promotion of scientific and technological researches. This codal provision is anchored on the premise that the University of Eastern Philippines has the manpower, facilities, financial resources and external linkages to carry on the generation, adaptation, verification, piloting and procedures

necessary for the university services area to economically progress and advance.

In keeping abreast with the University's research thrust, a Director for Research is appointed whose office coordinates all the research activities of the different colleges of the University. Recently, the Office of the Vice President for Research, Extension and Training was created to oversee and coordinate in the planning and implementation of the extension and research programs of the university. It is discouraging to note that a good number of faculty being a rich source of expertise in different areas of concern do not respond to the call to engage in research activities. Only a few of the faculty from the colleges of Agriculture, Veterinary Medicine, Business Administration, College of Education and College of Science are actively involved in research.

In its institutional attempt to boost the University's research and development initiative, a University Research and Extension Council which is mandated primarily to chart the R and D agenda has been established. This is in response to the need to streamline the R and D thrusts of the University with the identified national priorities. The different colleges are expected to align their research projects and activities with the R and D priorities as identified by the Council.

With this scenario, the University of Eastern Philippines envisions of becoming a world-class University serving a progressive region propelled by an empowered people in an ecologically-balanced environment. Its administrators warrant the visit of accreditors to evaluate its competencies through systems of external quality management at the national level and welcomes the successive accreditation programs by Accrediting Association of Chartered Colleges and Universities (AACCUP) as the accrediting committee to strengthen its goals of providing excellent instruction, research, community service including the empowerment of our competitive faculty researchers.

Moreover, these goals became the researcher's motivation; thus it is along this line of thought that the researcher feel the direct need of conducting this study to assess the existing research services status and future directions of the university. It is hoped that the results of the present study will serve as baseline data for future policies, redirections and reforms in the area of research for future higher level of accreditation.

Objectives of the Study

The study aimed to attain the following objectives:

1. To determine the level of implementation under chosen priorities and relevance on the researches of selected colleges of the University of Eastern Philippines,

2. To determine the level implementation on funding and other resources on the researches of selected colleges of University of Eastern Philippines,

3. To determine the level of implementation, monitoring, evaluation and utilization on the research results/outputs of the selected colleges of the University of Eastern Philippines.

3. Methodology

Research Design
This study adopted the descriptive - correlational research design. It is descriptive in the sense that it described variates considered in the study such as priorities and relevance; funding and other resources; implementation, monitoring and utilization of outputs/results; and publication and dissemination, while correlational because it was used to determine the relationship between the dependent and independent variables.

It also employed evaluation because the researcher evaluated the level of implementation of variates on the research performance of selected colleges of the UEP main campus based on the standards set by the Accrediting Agency of Chartered Colleges and Universities of the Philippines (AACCUP)..

4. Interpretation of Data

Chosen Priorities and Relevance
Table 1 presents the distribution on the level of implementation under chosen priorities and relevance on the researches of selected colleges of the University of Eastern Philippines.

On this area, majority of the Research Coordinators of the 8 colleges of the University have indicated "very high implementation" with a mean from 4.2-5.0 regarding the University/College/ Department has a research unit managed by competent and capable personnel as evidenced by the scholarly outputs; the institution's research agenda is consonance with institutional, regional and national priorities especially those of government agencies such as DOST, CHED-National Higher Education Research Agenda, NEDA, etc.; the following stakeholders participate in the formulation of research agenda identified as

institutional thrusts a) administrators b) faculty c) students d); the research activities of the college program are in consonance with the research agenda of the institution; This indicates that 81-100% of the provisions are present and the extent of implementation is extensively functioning well . However, only "high implementation", with a mean from 3.6-4.1, on the following stakeholders participate in the formulation of research agenda identified as institutional thrusts and priorities d) government agency representatives (DOST,CHED, NEDA, et., and e) stakeholders; action research activities of the college program are in consonance

with the research agenda of the institution; team research is encouraged with or without the assistance of student assistants. This means that 61 - 80% of the provisions are present and the extent of implementation is present but moderate. The grand mean of 4.3 which indicated "very high implementation" for the whole item under priorities and relevance. It can be inferred that the UEP researches were in conformity with the standard set by AACUP regarding priorities and relevance in research.

Table 1: Distribution on the Level of Implementation under Priorities and Relevance on the Researches of Selected Colleges of the University of Eastern Philippines Researches

A.Priorities and Relevance	VHI 5	HI 4	MI 3	LI 2	NI 1	N	Wieghted Total Mean		Interpretation
1. The University/ College/Department has a Research unit managed by competent and capable personnel as evidenced by the scholarly outputs.	5	3				8	37	4.6	Very High Implementation
2. The institution's research agenda is consonance with institutional, regional and national priorities especially those of government agencies such as DOST, CHED-National Higher Education Research Agenda, NEDA, etc.	6	2				8	38	4.7	Very High Implementation
3. The following stakeholders participate in the formulation of research agenda identified as institutional thrusts and priorities.									
i. Administrators	3	5	1			8	35	4.3	Very High Implementation
ii. Faculty	3	4	2			8	34	4.2	Very High Implementation
iii. Students	4	2	3			8	34	4.2	Very High Implementation
iv. Government Agency Representatives (DOST, CHED, NEDA, etc.);	4	1	2			8	33	4.1	High Implementation
v. Stakeholders	3	3				8	33	4.1	High Implementation
4. The research activities of the college program are in consonance with the research agenda of the institution.		3	2			8	37	4.6	Very High Implementation
5. Action research activities of the college program are in consonance with the research agenda of the	2	4	2			8	32	4.0	High Implementation

	VHI 5	HI 4	MI 3	LI 2	NI 1	N	Weighted Total Mean	Interpretation
institution.								
6. Team research is encouraged with or without the assistance of student assistants.	2	3				8	33	4.1	High Implementation
Grand Mean								4.3	Very High Implementation

Funding and Other Resources

Table 2 shows the distribution on the level of funding and other resources on the researches of selected colleges of the University of Eastern Philippines.

Majority of the respondents has indicated **"very high implementation"** with a mean from 4.2-5.0, regarding provides research personnel and other support services, if necessary. While only **"high implementation"** with a mean from 3.6- 4.1, on allocates funds for the conduct of faculty and student research activities; establishes linkages in the local/national /international levels for funding support and assistance and evident; provides facilities and equipment such as internet, statistical software, and other ICT resources, if necessary; provides conducive and well-equipped workplace including a research resource center/area, laboratory rooms facilities, supplies and materials; establishes a functional and long-range program of faculty/staff development to strengthen research capability and competence; and there is evidence of collaborative and inter disciplinary conduct of research activities. However, they classify **"moderate implementation"** with a mean from 2.6-3.3, regarding generates income from patents, licenses, and copyrights, and other research resource outputs, if applicable. This shows that **41-60%** of the provisions are present and the extent of implementation neither limited nor moderate. The grand mean of 3.8 indicated **"high implementation"** regarding the level of funding and other resources of the UEP researches. On the totality with **61 -80%** of the provisions are present and the extent of implementation is present but moderate. It implies that there is a need to improve on its provisions especially for generation of income from patents, licenses, and copyrights, and other research resource outputs to obtain a higher rating.

Table 2: Distribution on the Level of Funding and other Resources on the Researches of Selected Colleges of the University of Eastern Philippines

B. Funding and Other Resources	VHI 5	HI 4	MI 3	LI 2	NI 1	N	Weighted Total Mean	Interpretation
1. Allocates funds for the conduct of faculty and student research activities.		1	3	3	1	8	28	3.5	High Implementation
2. Establishes linkages In the local /national/international levels for funding support and assistance and evident.		1	3	4		8	29	3.6	High Implementation
3. Provides facilities and equipment such as internet, statistical software, and other ICT resources, if necessary.		1	2	4	1	8	27	3.4	High Implementation
4. Provides research personnel and other support services, if necessary.	3	4	1			8	34	4.2	Very High Implementation
5. generates income from patents, licenses, and copyrights, and other research resource outputs, if applicable.	1	1	3	3		8	24	3.0	Moderate Implementation
6. Provides conducive and well-equipped workplace including research resource center/area, laboratory rooms, facilities, supplies		1	4	3		8	30	3.8	High Implementation

and materials.								
7. Establishes a functional and long-range program of faculty/staff development to strengthen research capability and competence.	1	4	2	1	8	29	3.6	High Implementation
8. there is evidence of collaborative and interdisciplinary conduct of research activities.		4	3	1	8	27	3.4	High Implementation
Grand Mean							3.8	High Implementation

Implementation, Monitoring, Evaluation and Utilization of Research Results/Outputs

Table 3 tells us the distribution on the level of implementation, regarding the monitoring, evaluation, and utilization of research results/outputs of selected colleges of the University of Eastern Philippines.

The Research Coordinators of the 8 colleges of the university, have indicated **"very high implementation"**, with an average responses from 4.2-5.0, regarding the institution has a research manual which provides specific guidelines and procedures for the internal administration/operation and conduct of research activities; the college/department encourages and/or requires its students to conduct research activities, as a course requirement and/or test or generate new knowledge/technology, while only **"high implementation"** with an average response from 3.6-4.1, regarding the college/department has a research and development unit managed by a competent and capable faculty; faculty members conduct applied and operation researches in line with their field of specialization, to improve operations, teaching content and procedures; the institution provides incentives for faculty researches such as honoraria, service credits, deloading and others; the institution provides opportunities for advanced studies and training to develop faculty research competence; completed and ongoing research studies are periodically monitored and evaluated during local and regional in-house reviews; institutional development; improvement of instructional process; transfer of generated technology to the community; research outputs are protected by IPR laws; and faculty and students observe research ethics and avoid malpractice like plagiarism, fabrication of data, etc.; packaged technologies and new information are disseminated to the target clientele through appropriate delivery systems. The grand mean of 3.8 indicated **"high implementation"** on the monitoring, evaluation and utilization of research results/outputs. Since this implies 61 – 80% of the provision is present and the extent of implementation is present but only moderate, there is a need to focus on its provisions to attain its goals and objectives and improve the level of implementation.

Table 3: Distribution on the Level of Implementation Regarding Monitoring, Evaluation, and Utilization of Research Result/Outputs of Selected Colleges of the University of Eastern Philippines

B. Implementation, Monitoring, Evaluation, and Utilization of Research Results /Outputs	VHI 5	HI 4	MI 3	LI 2	NI 1	N	Weighted Total Mean		Interpretation
1. The college/ department has a research and development unit manage by a competent and capable faculty.	3	4		1		8	33	4.1	High Implementation
2. The institution has a research manual which provides specific guidelines and procedures for the internal administration/ operation and conduct of research activities.	4	4				8	36	4.5	Very High Implementation
3. Faculty members conduct applied and operation researches in line with their field of specialization, to improve operations, teaching content and procedures.		5	3			8	29	3.6	High Implementation

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Item						N	Sum	Mean	Interpretation
4. The institution provides incentives for faculty researches such as honoraria, service credits, deloading and others.		6	2			8	30	3.8	High Implementation
5. The college/ department encourages and/or requires its students to conduct research activities, as a course requirement and/or test or generate new knowledge /technology.	1	4	1			8	34	4.2	Very High Implementation
6. The institution provides opportunities for advanced studies and Training to develop faculty research competence.	1	4	2	1		8	28	3.5	High Implementation
7. Completed and ongoing research studies are periodically monitored and evaluated during local and regional in-house reviews		5	1	1		8	29	3.6	High Implementation
8.Research results and Outputs are utilize as input to:									
8.1 Institutional development		6	2			8	30	3.8	High Implementation
8.2 Improvement of Instructional process		5	3			8	29	3.6	High Implementation
8.3 Transfer of generated technology to the community	1	2	4	1		8	27	3.7	High Implementation
9. There is a mechanism to ensure that:									
9.1Research outputs are protected by IPR laws;and	2	4		1	1	8	29	3.6	High Implementation
9.2 Faculty and Students observe research ethics and avoid malpractice like plagiarism, fabrication of data, etc.	2	4	2			8	32	4.0	High Implementation
10. Packaged technologies and new information are disseminated to the target clientele through appropriate delivery systems.		4	3	1		8	27	3.4	High Implementation
Grand Mean								3.8	High Implementation

5. Conclusion and Implications

Majority of the research coordinators indicated "very high implementation" on the chosen priorities and relevance. It can be implied that the research of the UEP is in consonance with institutional, regional and national priorities and in line especially with those of government agencies such as of the DOST, CHED-National High Education Research Agenda, NEDA, etc.

Considering that the respondents indicated only "high implementation" response on the level of funding and other resources on researches of selected colleges of

UEP, there is a need for some of the provisions to be to addressed by the administration. Through the Research Council or UEP Research Office they can

recommend to increase the university's support especially on budget allocation if we want to obtain a higher rating and accomplish our goals.

Both the items under level of implementation, monitoring, evaluation and utilization of the research outputs/results and the area for publication and dissemination obtained also a "high implementation" rating. These means that there is also a need for the provision on this area to improve and come up with the AACCUP standards to get higher and excellent results.

In general, result of the study shows that the level of implementation of the identified variates on research performance of selected colleges of the university based on the provisions in the area for research using the AACCUP survey instrument for accreditation is

not fully complied and met. It was found out in this study that there is a significant relationship between the dependent and the independent variable assessed and evaluated. This means a significant implication to the extent of publication and dissemination of research outputs/results which could be greatly

influenced by independent variables such as chosen priorities and relevance of researches proposed and implemented, funding and other resources affecting implementation and the factors on the implementation, monitoring, evaluation and utilization of research results/outputs.

6. Recommendations

Based on the findings of this study, recommendations were arrived at. There must have to be done on the provisions for the variates identified in the area of research. However, we must continue to strive more to maintain the high and excellent ratings obtained. For items with low ratings, strict observance and compliance on provisions based on the criteria of the AACCUP manual of accreditation is recommended.

The following are the specific recommendations for areas which needs to be improved:

Chosen Priorities and Relevance

a. The researchers of the college should continue to conform with the university Research Agenda developed by the university Research and Extension Council and approved by the Governing Board. The research agenda should focus on national research priorities and thrusts and identified to best contribute to the attainment of the country's economic growth and development objectives.
b. Creation of the Office of Vice President for Research, Development and Extension to plan and provide the general direction and thrust of the R and D program of the University for implementation by the Office of Research and Extension and various colleges.
c. Action researches should be given priority with emphasis on specific inquiry and critical judgment to be conducted by faculty and students.
d. Team research must be encouraged with or without the assistance of student assistants.

Funding and other Resources

a. The administration should increase allocation of funds for the conduct of faculty and students research activities through the Research Council and perhaps in coordination with the UEP

Research Office and the Office of the Vice President for Research, Extension and Training.
b. The colleges and with the help of the UEP Research Office should establish or strengthen its linkages in the local/national/international levels for funding support and assistance
c. The college must be provided with facilities and equipment such as internet, statistical software, and ICT resources which are necessary in coming up with quality researches
d. Establish a committee that would be in-charge of generating income from patents, licenses, and copyrights of research resource outputs
e. Improve the condition in providing conducive and well-equipped workplace including research resource center/area, laboratory rooms, facilities, supplies and materials.
f. Establish Intellectual property Office in the University to regulate the application and processing of patents and copyrights.
g. Establish a functional and long range program of faculty/staff development to strengthen research capability and competence.
h. Establish a collaborative and interdisciplinary conduct of research activities.

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