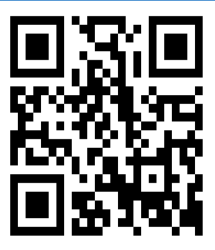


Impact Assessment of the Education Training Program in the Adopted Secondary School in Tanauan City

BY

Nora V. Marasigan^{1*}, Mary Ann C. Abril², Genalyn P. Lualhati³, Richard M. Banez⁴, Maria Elena M. Dator⁵

^{1,2,3,4,5}College of Teacher Education, Batangas State University The National Engineering University JPLPC-Malvar Campus, Philippines



Article History

Received: 03/12/2022

Accepted: 06/12/2022

Published: 08/12/2022

Corresponding author:

Nora V. Marasigan

Abstract

Education training program centering on research capability and digital literacy for basic education teachers is pivotal in addressing the demands of 21st-century teaching. Basic education teachers are expected not only to deliver instructions within their field of expertise but also to solve common educational problems by providing research-based solutions and interventions while embracing the culture of digital transformation. Hence, this study assessed the impact of an education training program on research capability and digital literacy for basic education teachers to propose a Sustainability Development Plan. Utilizing a survey design and covering the beneficiaries of the implemented educational training program, this study revealed that the education training program has a great extent impact on basic education teachers' research skills and digital literacy as they perceived this education program as successful and effective. A plan for the sustainability of the education program has been proposed to further strengthen basic education teachers' research capability through mentoring on publication and knowledge dissemination while honing their digital literacy skills.

Keywords: digital literacy, education training program, impact assessment, research capability

INTRODUCTION

Teachers are the managers of learning and equipping them with the necessary skills and literacy is the driving force for a successful teaching and learning process. Educators are the strong backbone of inquiry-based democracy fostering curiosity and creativity, building skillful individuals, and strengthening informed individuals among learners (Kapur, 2019). Hence, teachers will play the most vital role in improving the curriculum, and policy, and even calibrating teaching strategy (Patankar & Jadhav, 2013; Kulm & Li, 2009).

Assessing the education training program will suit the gaps in supplying the demand and current trends in the education policy (Grohmann & Kauffeld, 2013). It will foster diagnostics as it examines the underlying state of the skills and quality of the teachers we have. More so, it will fall into two main domains that need to be assessed, these are the research capabilities and digital literacy of the teachers.

The statements above lead to the formation of the main objective of this study. The study aims to strengthen and enrich the research capabilities and digital literacy among the secondary education teachers in the adopted public school in Tanauan City for School Year 2020-2021 and 2021-2022.

Assessing the effectiveness of an education training program in terms of research capabilities and digital literacy among the teachers will underpin professional learning, skills, and knowledge that is essential for professional and individual growth and to cope with the current trends and global demands (Misra, et al., 2009).

Objectives

The main objective of this investigation is to assess the impact of the Education Training Program involving Secondary School

Teachers in the adopted Public School in Tanauan City. Specifically, it seeks to attain the following objectives:

1. Determine the impact of the Education Training Program that aims to strengthen and enrich the following areas:
 - 1.1 Research Capability and
 - 1.2 Digital Literacy
2. Propose a Sustainability Development Plan for the conducted Education Training Program.

Materials and Methods

For this study, the descriptive method of research was utilized to assess the impact of the Education Training Program. The twelve respondents were purposively selected consisting of 12 teachers from the adopted school in Tanauan City.

Through the constructed questionnaire, the researcher assessed the impact of the education training program. In the constructed questionnaire, the respondents were requested to rate each item on

a four (4) point rating scale with their designated verbal interpretation such as To a Great Extent (4), To a Moderate Extent (3), To a Slight Extent (2) and To a Least Extent (1).

The researcher utilized appropriate statistical measures for the analysis and interpretation of the collected data.

Results and Discussion

This portion presents the data gathered in the tabular form together with the corresponding analysis and interpretation.

1. Impact of the Education Training Program on the Competency of Teachers

The succeeding table presents the teachers’ perception of the impact of the conducted Education Training Program in enhancing the research capability and digital literacy of teachers who are beneficiaries of the program.

Table 1. Impact of the Research Capability Training Program

Indicators	Mean	Standard Deviation	Verbal Interpretation
The skills acquired from the research capability training conducted by the College of Teacher Education enable me to ...			
consider the importance of ethics before the conduct of research.	4.00	0.00	To a Great Extent
outline the rationale of the study and detail the necessary steps in writing a well-argued proposal from a multi-disciplinary perspective.	4.00	0.00	To a Great Extent
identify the rudiments of conducting research such as surveys, and correlational and experimental studies appropriate in the field of education.	3.92	0.29	To a Great Extent
determine the most appropriate number of research participants.	4.00	0.00	To a Great Extent
collect data for qualitative research using in-depth interviews and focus group discussions.	3.58	0.51	To a Great Extent
develop and validate various data collection instruments like the questionnaire, rating scales, and interview guide.	3.75	0.45	To a Great Extent
evaluate the credibility of information from different sources.	3.92	0.29	To a Great Extent
experience the use of software in organizing, analyzing, and interpreting quantitative data.	3.25	0.45	To a Great Extent
organize and evaluate findings in research using digital tools such as Spreadsheet.	3.42	0.51	To a Great Extent
write a research paper in publishable format from the introduction to the conclusion.	3.25	0.45	To a Great Extent
Overall	3.71	0.30	To a Great Extent

Legend: Mean Ranges Verbal Interpretation

- 3.51 – 4.00 To a Great Extent
- 2.51 – 3.50 To a Moderate Extent
- 1.51 – 2.50 To a Slight Extent
- 1.00 – 1.50 To a Least Extent

Table 1 shows the teachers' perceptions of the impact of the implemented research capability training program. It can be seen from the table that the respondents have regarded the research capability training program positively with an overall mean of 3.71 and a standard deviation of 0.30. Revealing a consistent response of To a Great Extent, it can be concluded that the respondents highly believe that their research skills were enhanced through the conducted research capability program.

Table 2. Impact of the Digital Literacy Training Program

Indicators	Mean	Standard Deviation	Verbal Interpretation
The skills acquired from the digital literacy training conducted by the College of Teacher Education enable me to ...			
create a video presentation for my lessons.	3.92	0.29	To a Great Extent
use visual presentations like pictures to understand the topic.	3.75	0.45	To a Great Extent
design posters to merge the topics of a lesson.	3.75	0.45	To a Great Extent
communicate using graphic strategies and techniques including sketching, scaled, and annotated drawings.	4.00	0.00	To a Great Extent
perform a simple reboot when experiencing unusual computer problems.	3.42	0.51	To a Great Extent
produce graphic organizers for classroom activities.	3.67	0.49	To a Great Extent
use Messenger to communicate easily with my students about a particular lesson.	3.92	0.29	To a Great Extent
utilize Microsoft Word in editing files and documents of a lesson.	3.25	0.45	To a Great Extent
use Spreadsheet Software to collect and record academic data of my students.	3.42	0.51	To a Great Extent
illustrate educational materials using Graphic Software.	3.25	0.45	To a Great Extent
Overall	3.63	0.39	To a Great Extent

Legend: Mean Ranges Verbal Interpretation

- 3.51 – 4.00 To a Great Extent
- 2.51 – 3.50 To a Moderate Extent
- 1.51 – 2.50 To a Slight Extent
- 1.00 – 1.50 To a Least Extent

Table 2 shows the teachers' perceptions of the impact of the implemented digital literacy training program. It can be seen from the table that the respondents have regarded the digital literacy training program positively with an overall mean of 3.71 and a standard deviation of 0.30. Revealing a consistent response of To a Great Extent, it can be concluded that the respondents highly believe that their digital skills were enhanced through the conducted digital literacy program.

2. Proposed Sustainability Development Plan for the Conducted Education Training Program

This study assessed the impact of the Education Training Program involving Secondary School Teachers in the adopted Public School in Tanauan City. Careful analyses of the findings afforded the researcher to come up with a sustainable development plan to ensure the program's continuity. This is reflected in the succeeding tables.

Table 3. Proposed Sustainability Development Plan for Research Capability Training

Program/ Projects	Objectives	PLAN OF ACTIVITIES				
		Year 1	Year 2	Year 3	Year 4	Year 5
Training on Publication and Needs Assessments	To help the college identify, understand, and prioritize the needs that schools must	Consultative meeting with the beneficiaries on publication-related training	Consultative meeting with the beneficiaries on publication-related training	Consultative meeting with the beneficiaries on publication-related training	Consultative meeting with the beneficiaries on publication-related training	Consultative meeting with the beneficiaries on publication-related training

	address to improve their research performance To train the faculty on how to prepare a manuscript for publication. To assist the faculty in scouting reputable journals	Assist them in publishing papers in national journals with a sterling reputation	Assist them in publishing papers in national journals with a sterling reputation	Assist them in publishing papers in international journals with a sterling reputation	training Assist them in publishing papers in international journals with a sterling reputation	training Assist them in publishing papers in international journals with a sterling reputation
Monitoring and Evaluation	To track faculty's submission of research articles for publication	Make a matrix or accomplishment report on published articles	Make a matrix or accomplishment report on published articles	Make a matrix or accomplishment report on published articles	Make a matrix or accomplishment report on published articles	Make a matrix or accomplishment report on published articles
	To determine the challenges, they encounter in publication	conduct quarterly meetings	conduct quarterly meetings	conduct quarterly meetings	conduct quarterly meetings	conduct quarterly meetings
Information/ Knowledge Dissemination	To organize a school or division-based conference To organize a workshop/ write shop to show the best research and publication practices	Discuss significant results and share reviews given by the editors Present practices to other faculty members to establish a research culture in the school	Discuss significant results and share reviews given by the editors Present practices to other faculty members to establish a research culture in the school	Discuss significant results and share reviews given by the editors Present practices to other faculty members to establish a research culture within the division	Discuss significant results and share reviews given by the editors Present practices to other faculty members to establish a research culture within the division	Discuss significant results and share reviews given by the editors Present practices to other faculty members to establish a research culture within the division

Table 4. Proposed Sustainability Development Plan for Digital Literacy Training

Program/ Projects	Objectives	PLAN OF ACTIVITIES				
		Year 1	Year 2	Year 3	Year 4	Year 5
Instructional Supervision	To monitor faculty members' utilization of digital tools in class	Classroom observation is to be done by the school heads and master teachers	Classroom observation is to be done by the school heads and master teachers	Classroom observation is to be done by the school heads and master teachers	Classroom observation is to be done by the school heads and master teachers	Classroom observation is to be done by the school heads and master teachers
Monitoring and	To determine	Make action	Make action	Make action	Make action	Make action

Evaluation	the use of digital tools in improving students' engagement in class and academic performance	research Analyzing test scores	research Analyzing test scores	research Analyzing test scores	research Analyzing test scores	research Analyzing test scores
	To analyze the results of the action research	Use the results as baseline data in planning additional training for the faculty	Use the results as baseline data in planning additional training for the faculty	Use the results as baseline data in planning additional training for the faculty	Use the results as baseline data in planning additional training for the faculty	Use the results as baseline data in planning additional training for the faculty
Needs Assessment	To help the college identify, understand, and prioritize the needs of the faculty to strengthen their digital literacy	Consultative meeting with the beneficiaries and principal	Consultative meeting with the beneficiaries and principal	Consultative meeting with all faculty and principal	Consultative meeting with all faculty and principal	Consultative meeting with all faculty and principal

Conclusions and Recommendations

The findings gathered in the study led to the formulation of the following conclusion: The education training program as assessed by the beneficiaries has a great extent impact on their skills in research and digital literacy as teachers, and was perceived as overall successful and effective. The proposed plan for sustainability has two parts. One is for Research Capability Training which includes training on publication and needs assessments, monitoring and evaluation, and information/knowledge dissemination. Another proposed sustainability development plan is for Digital Literacy Skills which is composed of instructional supervision, monitoring, evaluation, and needs assessment.

In light of the findings and conclusions of this study, the following recommendations are hereby offered. The sustainability development plan proposed by the researchers may be actualized, implemented, and monitored to ensure the program's continuity. It is recommended that another study be conducted using a larger

sample and involving other stakeholders to determine the impact of the education training program and validate the results of the study.

References

- Grohmann, A., & Kauffeld, S. (2013). Evaluating training programs: Development and correlates of the questionnaire for professional training evaluation. *International Journal of Training and Development*. 17. 10.1111/ijtd.12005.
- Kapur, Radhika. (2019). *Improving Quality and Efficiency of Education*.
- Kulm, G. & Li, Y. (2009). Curriculum research to improve teaching and learning: *National and Cross-National Studies*. ZDM. 41. 709-715. 10.1007/s11858-009-0217-1.
- Misra, S., Harvey, R., Stokols, D., Pine, K., Fuqua, J., Shokair, S., & Whiteley, J. (2009). Evaluating an interdisciplinary undergraduate training program in health promotion research. *American Journal of Preventive Medicine*. 36. 358-65. 10.1016/j.amepre.2008.11.014.
- Patankar, P., & Jadhav, M. (2013). *Role of teachers in curriculum development for teacher education*.