



CONFERENCE BOOKLET

**1ST CCC INSTITUTIONAL CONFERENCE ON
EDUCATION, BUSINESS, INFORMATION, TECHNOLOGY,
AND SOCIAL SCIENCE 2022
(CCC-ICEBITSS 2022)**

**29th OF NOVEMBER 2022
HYBRID MODALITY CONFERENCE**



City College of Calamba

Editorial Board

Dr. Ronald A. Gonzales
Editor-in-Chief

Prof. Maryann H. Lanuza
Associate Editor

Peer Reviewers

Prof. Lielanie O. Barrion

Dr. Neil P. Aligam

Prof. Arlou Fernando

Prof. Ellen C. Almoró

Prof. Fatima Banasihan

Dr. Racquel Wagan

Prof. Rex Angelo Rizal

COPYRIGHT PAGE

All rights reserved

No part of this publication may be reproduced, stored, in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopy, recording or otherwise, without the prior permission from the EduHeart Publishing or the City College of Calamba



Published Annually by: EDUHEART PUBLISHING ©2023
Imus, Cavite, Philippines
myeduheart@gmail.com
ISSN: 2980-5015

Table of Contents

Contents	Page Number
Title Page	i
Editorial Board	ii
Copyright Page	iii
Table of Contents	iv
Welcome Address	v
Conference Aims and Direction Setting	vi

Student Category	xv
-------------------------	-----------

PAPER TITLE	PRESENTERS	PAGE
Development and Validation of Mathematics Instructional Material on Trigonometric Functions in Solving Triangles using GeoGebra Software	Gerra Mae A. Batalla Fern F. Reyes Hannah Camile T. Decena Jessa B. Sotero	1
A Lesson Study on the English Teacher's Manner of Eliciting Literary Competence among Junior High School Students in S.Y. 2021-2022	Abegail B. Carullo Kenneth Mercado Doctora	2
A Case Study on the Grade 12 STEM Students' Experiences in Learning Chemistry with Laboratory-Based Activities in the New Normal	Mayann Jacky T. Tesoro Emmeline C. Lopez	3
Development of Mathematics Instructional Video in Trigonometry	Christine Nicole M. Mendoza Jenalaine C. Quintero	4
Mathematics Implementation Strategies for Modular Learning: Integration of Realistic Mathematics Education on Grade 7 Students in Bunggo High School	Janeen Faye C. Umandap Caila Kathrinne T. Palma Jalen Castillo	5
Life of a Working Pre-Service Teacher: A Phenomenological Study	Judea Claire M. Alcaraz Raisa A. Buggay Neharika S. Lavarez	6
The Credibility of the Credit Policy of ASA Philippines Foundation Incorporated as perceived by Microfinance Officers	Trixia Mae A. Banaticla Via Marie C. Dela Cruz Cristine Joy D. Silvestre Hannah Micol E. Alviar	7

Faculty Category**xvi**

PAPER TITLE	PRESENTERS	PAGE
Cash Management Practices and Business Performance of Micro and Small Enterprises in Calamba and Cabuyao: Basis for Training and Development Services Program	Romnick E. Bontigao	8
Local Colleges and Universities (LCUs) Preparedness and Response to Educational Priorities Amidst Covid-19: an Input to a Model-Based Strategic Development Plan in a New Normal	Dr. Neil P. Aligam	9
Developing a Sustainability Model of Community Extension Programs of Philippine Private Higher Education Institutions	Dr. Gerby R. Muya	10
Setting Boundaries: Flexible Learning Mechanisms and Educational Productivity among Local Universities and Colleges in Laguna	Dr. Maricris G.Unico	11
E-Guro Learning Management System in City College of Calamba and its Internal Stakeholders' Quality and Satisfaction Level: Basis for Enhancement Plan	Jesse Ann M. Salvador	13
Convergent Parallel Mixed Methods Study on Student Record Management System in Higher Education Institutions in Calamba City	Elvinard R. Reyes	14
Impact of Virtual Classroom on Online Distance Learning: A Meta-Analysis	Peejay G. Gecolea Cincy Merly B. Gecolea	15
Implementation of Inventory Control Management and Repeat Purchase in Right Goods Philippines Incorporated: Inputs to Policy Reformulation	Jomar Rosario	17

Welcome Address



Dr. Ronald A. Gonzales

Officer-in-Charge, Office of the College President
Conference Convener

My warmest felicitations to the organizers, faculty and student researchers, panelists, guests, and participants of the 1st CCC Institutional Conference on Education, Business, Information, and Technology 2022!

The global health crisis or COVID-19 pandemic has given us a lot of challenges and myriad adjustments in almost all of our endeavors. Some of us have found it difficult to continue our regular work, functions, and routines as teachers or as learners. Research activities are among those which were momentarily held in abeyance. However, there were some of us who managed to take advantage of our free time and available resources to explore, investigate, inquire, and discover new learnings and were able to finish scholarly research amid the pandemic, thus this research conference.

The theme of this conference which is **Research Innovation: A Tool in Innovative Global Response to a Resilient and Sustainable Next Normal Education** is actually reflective of our thrust and mandate for research, development, and innovation. Having conducted research/es with limitations and restrictions brought about by the pandemic and other emergencies in education has proven that we are thriving in this highly VUCA world. This clearly is building an edifice of a better normal in education.

I laud the effort of the Office of the Vice President for Research and Innovation (OVPRI) for materializing an event such as this and being able to provide our faculty and student researchers this opportunity to share findings of their respective studies. The critique of our invited panel will certainly add substance to the presented papers.

The City College of Calamba is committed to invigorating a culture of research in the whole institution. Efforts are directed at providing more opportunities for development and improvement along this area. This conference is a testament to this commitment.

Mabuhay kayo at isang maka-Rizal na pagbati!

Conference Aims and Direction Setting



Prof. Maryann H. Lanuza

Vice President for Research and Innovations
Conference Chair

This first institutional conference on Business, Education, Information, Technology and Social Science with the theme “Research Innovation: A tool in Innovative Global Response to a Resilient and Sustainable Next Normal Education” will provide an opportunity for us to explore the implications of emerging technologies and their applications in education, specifically on innovation and response. This conference aims to explore the challenges posed by global challenges such as health threats, economic instability and inequity, and the education crisis at all levels of education; thus, contributing to the development of sustainable solutions for realizing a resilient and sustainable global education system through innovations in research policy frameworks, implementation models, governance structures, institutional capacities and social partnerships required for academic excellence.

Ladies and Gentlemen, esteemed guests, CCC administration, faculty delegates, student presenters, and conference attendees, The Office of the Vice President for Research and Innovation (OVPRI) is proud to open and launched the first institutional conference of the CCC 2022 in Business, Education, Information, Technology, and Social Science. We are honored to have been supported by the CCC administration to allow us to host this conference which will provide a forum for sharing innovative opportunities offered by these diverse disciplines that are shaping our research thrusts today. This conference is not just another


annual event but indeed a catalyst for change and humble beginnings and counting milestones.

Conferences like this are a great way to learn more about the field of your expertise and network with colleagues. The key to building a successful conference experience is to think through where you want to go, develop a clear understanding of what your goals are, and then identify specific ways to accomplish these goals before and during the event. The conference aims to generate a better understanding of the field of research, set up the base for further studies by students and researchers, and promote the scientific development and understanding of new ideas in the field of study.

This conference is a result of CCC's efforts and it has been supported by the CCC administration headed by our dynamic, resilient, and indefatigable Officer-in-Charge, office of the college president and the very first CCC's Institutional Conference Convener 2022 Dr. Ronald Aquino Gonzales and facilitated by our office, the Office of the Vice President for Research and Innovation, with my team and headed by yours truly Professor Maryann Hibek-Lanuza. This conference would not be possible without the scientific committee members, our college officials, with the ever-constant support recommending our proposals including budgetary concerns from the office of the Vice President for Administration headed by our no less than Prof. Lielanie O. Barrion, OVPRI always partners the Vice President for extension and linkages headed by Dr. Neil P. Aligam, to all the academic deans who keep on supervising quality research in your disciplines, Prof. Ellen Almoro, Dr. Racquel Wagan, Prof. Arlou Fernando, and Prof. Fatima Banasihan. To the non-academic directors, who are part of the scientific committee members are Prof. Julie Anne Orajay, Dr. Regina Almonte, Prof. Rex Angelo Rizal, Prof. Kevin Angay and Ms. Charlene Bagotsay, to the extended support of some of our faculty members, Dr. Gerby Muya, Prof. Joanna de Borja. Of course, our panel experts, to be introduced formally later, Dr. Almonte, Dr. Simplicio Alba, and our esteemed keynote speaker and external panel, Dr. Ethel Reyes-Chua. Of course, our OVPRI technical group, Ms. Neriza Restusto, Vennice Zyna Cosino, John Carlo Barrera, Alliyah Jennica Caparas, Jewel Mae Alcantara, and Mary Jane Castro. To all

other college officials namely, Prof. Michael Jade Wania, Prof. Elvinard Reyes, Mrs. Marilyn Garma, Ms. Mylene Miranda, Prof. Mary Rose Montano, Mr. Nilo Armario, Prof. Laarni Pesigan, and Prof. Aveto Dasal Jr. group of research scholars including faculty, students, and alumni has played strong support in enabling this conference to be held successfully. The interest of all participants is much appreciated and solicits for quality presentations on relevant subjects which enlighten our knowledge base and improve our skill set to be successful researchers in our respective interests.


We are very delighted about your attendance at this conference today. Have an intellectual experience, and God Bless all the presenters.

 Conference Program	
7:30-8:00	Registration
	Invocation
	National Anthem: "Lupang Hinirang"
	Calamba Hymn: "Kadluan ng Pag-asa"
	CCC Hymn: "Biyayang Lampara"
8:01-8:30	CCC Vision and Mission
	Welcome Speech Dr. Ronald Gonzales Officer-in charge, Office of the College President Conference Convener
	Conference aims and Direction setting Prof. Maryann H. Lanuza Vice President for Research and Innovation Conference Chair
	Introduction to the Keynote Speaker Dr. Gerby Muva Senior Lecturer II, DTE
8:31-10:30	Keynote Speech Dr. Ethel Reyes-Chua VPAA and Research Paranaque City College
	Awarding of Certificate
10:31-10:35	Guidelines of the Conference
10:36-11:00	Conference Group Photograph
11:00-12:00	Lunch Break



Conference Program

Presentation	
Student Category Via zoom	
12:01-12:15	I. Development and Validation of Mathematics Instructional Material on Trigonometric Functions in Solving Triangles using GeoGebra Software Author: Germa Mae A. Batala, Fern F. Reyes, Hannah Camille T. Decena
12:16-12:30	II. A Lesson Study on the English Teacher's Manner of Eliciting Literary Competence among Junior High School Students in S.Y. 2021-2022 Author: Abigail B. Carullo, Kenneth Mercado Doctora
12:31-12:45	III. A Case study on the Grade 12 STEM students' experiences in Learning Chemistry with Laboratory-based activities in the new normal Author: Mayann Jacky T. Tesoro, Emmeline C. Lopez
12:46-1:00	IV. Development of Mathematics Instructional Video in Trigonometry Author: Christine Nicole m. Mendoza, Jenalaine C. Quinter
1:01-1:15	V. Mathematics implementation strategies for Modular learning: integration of realistic mathematics education on Grade 7 students in bunggo national high school Author: Janeen Faye C. Umandap, Calla Kathrinne T. Palma, Jalen Castillo
1:16-1:30	VI. Life of a Working Pre-Service Teacher: A Phenomenological Study Author: Judea Claire M. Alcaraz, Ralisa A. Buggay, Neharika S. Lavarez
1:31-1:45	VII. The Credibility of the Credit Policy of ASA Philippines Foundation Incorporated as perceived by Microfinance Officers Author: Trixia Mae A. Banaticla, Via Marie C. Dela Cruz, Cristine Joy D. Silvestre, Hannah Micol E. Alviar
1:46-2:00	Scholarly Exchange

 Conference Program	
	Faculty Category Onsite
2:01-2:15	CASH MANAGEMENT PRACTICES AND BUSINESS PERFORMANCE OF MICRO AND SMALL IN CALAMBA AND CABIYAO: BASIS FOR TRAINING AND DEVELOPMENT SERVICES PROGRAM Author: Romnick E. Bontigao
2:16-2:30	Local Colleges and Universities' (LCUs) Preparedness and Response to Educational Priorities amidst COVID-19: An Input to a Model-Based Strategic Development Plan in a New Normal Author: Dr. Neil P. Aligam
2:31-2:45	A Sustainability model for Community Extensions Programs of selected private higher education institutions in the Philippines Author: Dr. Gerby R. Muya
2:46-3:00	Setting Boundaries: Flexible Learning Mechanisms and Educational Productivity Among Local Universities and Colleges in Laguna Author: Dr. Maricris G. Unico
3:01-3:15	e-Guro Learning Management system in City College of Calamba and its Internal stakeholders Quality and Satisfaction level: Basis for Enhancement plan Author: Jesse Ann M. Salvador
3:16-3:30	Convergent Parallel Mixed Method study on the student Record management system in Higher Education institutions in Calamba city Author: Elvinard R. Reyes
3:31-3:45	Impact of Virtual classroom in Online Distance Learning: A Meta-Analysis Author: Peejay G. Gecolea, Cincy Merly b. Gecolea
4:00-5:00	Awarding of Certificates
	Closing Remarks

Abstracts

Student Researchers Category

Development and Validation of Mathematics Instructional Material on Trigonometric Functions in Solving Triangles using GeoGebra Software

Batalla, G.A.^{1*}, Decena, H.T.², Reyes, F.F.³, Sotero, J.B.⁴, Lanuza, M.H.⁵
^{1,2,3,4,5}*Mathematics Cluster, Department of Teacher Education,*
City College of Calamba
**gabatalla@ccc.edu.ph*

ABSTRACT

Instructional material is a type of educational tool that aids to support the teaching process and allows students to master a particular course topic. In this mixed-methods research, instructional material on Trigonometric Functions in solving triangles using GeoGebra software was developed and validated for innovative Mathematics instruction. The findings of the study revealed that instructional material was developed through the generated themes in document analysis and interview responses. The themes that emerged in document analysis are: Deductive and Inquiry-Based for the teaching approaches; Software-Based as the focus of the instructional material; and Analytical, Synthesis, and Non-mathematically rich tasks for mathematical tasks. Interview responses highlight the themes of: Effectivity of the instructional material in promoting proficiency and convenience; SMART, Well-presented, Legible, Visible, Teaching and learning support for the five features of the material; Usefulness in verifying solutions and Limitations on internet access and unavailability of gadgets; and Integration of GeoGebra software which needs exploration and inclusion. For the acceptability level, students highly accepted and the experts accepted the instructional material's quality in terms of: Objectives; Content; Format; Graphics; and Usefulness. In conclusion, the respondents' validation shows that the initially developed Mathematics instructional material can be released for implementation and evaluation purposes which may be useful by the teachers handling Trigonometry integrated GeoGebra software as a supplement in teaching.

Keywords: Instructional Material, Trigonometric Functions, Triangles, GeoGebra Software, Development, Validation

A Lesson Study on the English Teacher's Manner of Eliciting Literary Competence among Junior High School Students in S.Y. 2021-2022

Caponpon, D^{1*}, Carullo, A., Doctora, M.², Valencia, P.³

^{1,2,3}*English Cluster, Department of Teacher Education, City College of Calamba*

**abcarullo@ccc.edu.ph*

ABSTRACT

Teachers encounter an immense variety in literary competence among students in their secondary school classrooms. Yet, little is known about how students perceive and deal with this variety. Thus, this study aims to determine, describe, assess, and ascertain the English teacher's manner of eliciting literary competence among Junior High School students. A lesson study was used as the research methodology, together with a priori interviews and observations. The methodology consisted of three stages: planning, observation, and reflection.

In the planning stage, the subject teacher designed a lesson plan on how to achieve the learning goals and anticipates how students will respond to it. Through this, the teacher initially consulted with the evaluators and researchers. Researchers served as the "third eye" of the team therefore they were in charge of facilitating the members and observing the teaching session and the post-conference. The evaluation tool needed for the Idea exemplar used apriori questions about lesson planning. In the observation stage, the subject teacher taught the lesson while the evaluators were observing, collecting information, and noting details about the manner of the teacher in eliciting literary competence. Lastly, in the reflection stage, evaluators tackled and described the subject teacher's elicitation.

Based on the results of the study, eight themes have emerged, namely: Differentiated Strategies, Curriculum guide as Basis for Idea Exemplar, Integration of technology, Utilization of Information-based Approach, Behavioral Engagement, Lack of Personal-based approach, Absence of Higher Order Thinking skills, and Difficulty of the Activities done by the Subject Teacher. The aforementioned themes became the indicators and descriptors of the manner of the subject teacher in teaching and eliciting literary competence.

Keywords: Literary Competence, Lesson Study, Planning Stage, Observing Stage, Reflecting Stage, Subject Teacher

A Case Study on the Grade 12 Stem Students' Experiences in Learning Chemistry with Laboratory-Based Activities in the New Normal

Guevara, R^{1*}, Lopez, E², Tesoro, M.³, Aligam, N.⁴

^{1,2,3,4}*Science Cluster, Department of Teacher Education, City College of Calamba*

**rgguevara@ccc.edu.ph*

ABSTRACT

Transitioning to the new normal education is an unfamiliar experience for the students and teachers due to the COVID-19 pandemic and the closure of schools. Chemistry is a big part of Science Education wherein it is taught to all levels of students through laboratories. One of the concerns that the students and teachers are facing now is about subjects that require laboratory-based activities which usually perform in the laboratory itself. Therefore, the researchers contemplated strand that requires laboratory-based activities, which is Science, Technology, Engineering, and Mathematics. The aim of this study is to identify, determine, describe, and analyze the experiences of the Grade 12 STEM students in learning Chemistry with laboratory-based activities in the new normal. This study utilized the Case Study methodology to establish an in-depth, diverse understanding of a complex phenomenon in its real-world context. This is conducted through online interviews since the participants were not utilizing the full face-to-face learning modality.

This case study includes four processes –identifying the phenomenon, formulating a theoretical framework, collecting data, and lastly, describing and analyzing the data. First, identify the phenomenon. The second process is formulating a theoretical framework. Third, collecting the data in which data gathered by conducting interviews with open-ended questions. Lastly, describing and analyzing the data wherein it utilized thematic analysis to acquire patterns from the participants' responses.

There are three themes that had emerged namely: teacher's pedagogy in the new normal, student's blended learning challenges, and lastly, preferences in learning Chemistry. The researchers concluded that the experiences of the participants have significant things in common and that face-to-face learning had a huge impact on their learning acquisition in laboratory-based activities on Chemistry.

Keywords: Case study, Thematic analysis, New Normal, Teacher's pedagogy, Blended learning, Chemistry

Development of Mathematics Instructional Video in Trigonometry

Babadilla, A.A.^{1*}, De Castro, J.E², Mendoza C.M.³, Quintero J.C⁴ and Lanuza, M.H⁵

^{1,2,3,4,5}*Mathematics Cluster, Department of Teacher Education,
City College of Calamba*

**aababadilla@ccc.edu.ph*

ABSTRACT

This study aimed to develop a Mathematics Instructional Video to determine the level of Acceptability between the teachers and students on the developed mathematics instructional videos, specifically in Trigonometry. It includes the topic namely: Six Trigonometric Ratios, Angle of Elevation and Depression, and Solving Problems involving Oblique Triangles. It is to support learners in studying Mathematics as well as for the teachers in teaching this course. It aids them as it serves as a supplementary material especially in various learning modalities that the education has. This study used a Mixed Method which involves gathering and analyzing both Quantitative and Qualitative Data. Furthermore, the Analysis, Design and Development Phase (ADD) of ADDIE model was utilized in the study. The ADD model used in analyzing the documents needed, designing an instructional video according to the perspective of an expert in the teaching field. Also, developing the instructional video according to the result of the survey questionnaire. The result of the study in the students' level of acceptability acquired 4.63 in the median value as Highly Acceptable. Whereas, for the teachers, it is Highly Acceptable with 4.50 as a median value. The perspective between the teachers and the students are Highly Acceptable which concluded that they positively perceived the mathematics instructional video that they watched. Thus, it means that the Development of the Mathematics Instructional Video in Trigonometry are ready to undergo in the implementation for testing on the schools, so that the evaluation phase for testing its effectiveness of learning competencies of the students in the mathematics as they were aid by the instructional video as supplementary material in current modalities.

Keywords: Development, Mathematics, Instructional Video, Trigonometry, Level of Acceptability

Mathematics Implementation Strategies for Modular Learning: Integration of Realistic Mathematics Education on Grade 7 Students in Bunggo High School

Castillo, J.G.^{1*}, Palma, C.T², Umandap, J.C.³, and Exciminiano, E.C⁴

^{1,2,3,4}*Mathematics Cluster, Department of Teacher Education,*

City College of Calamba

**jgcastillo@ccc.edu.ph*

ABSTRACT

The purpose of the study is to implement the mathematics strategy of integrating Realistic Mathematics Education (RME) into modular learning of Grade 7 students. For achieving research objectives, the pedagogical experiment was conducted in the form of RME-based modules for fifteen 7th-grade students at Bunggo National High School, Brgy. Bunggo Calamba Laguna, Philippines.

Accordingly, data on pre-test and post-test were collected and analyzed quantitatively. The results were assessed based on the interpretation table for students' performance level in the Department of Education. The Shapiro-Wilks Normality Test was used to determine whether the data had a normal distribution. After the test of normality, Levene's test was used to verify whether those variances are equal for all the data groups. The Independent t-test and Paired t-test were used to test whether there is a significant difference between the independent group and mean scores in the pre-test of the experimental and control groups and post-test of both groups, and t-test whether there is a significant difference between the mean scores in the pre-test and post-test of the paired groups, control and experimental.

Thereby, the experimental results showed that integrating RME into modular learning positively impacted the performance level of the students. This suggests the creation of a

RME-based mode that will serve as tutelage on the difficulties and challenges experienced by the students in modular learning. The final output of this research is to improve RME-based modules for its possible implementation of DepEd and find it relevant for future use.

Keywords: Realistic Mathematics Education, RME, modular learning, modules, performance level, mathematics

Life of a Working Pre-Service Teacher: A Phenomenological Study

Alcaraz, J^{1*}, Buggay, R²., Lavarez, N³., Lofamia A.⁴, Millario, D.⁵
^{1,2,3,4,5}*Department of Teacher Education*
*jmalcaraz@ccc.edu.ph

ABSTRACT

When academically qualified people do not have financial resources to support their studies, and the needs to help their family has arisen, the call for a student to work will be necessary. This has caused many students, especially in higher levels, to seek for job opportunities while studying. Thus, the demand for the number of working students would also increase. The researchers wanted to know the lived experiences, challenges, and opportunities gained by working students to look for projects that could aid their needs in studying while working. This study uses qualitative, phenomenological research approach were selected fourth year BEED students from City College of Calamba were chosen to be the respondents of the study. Data gathering was done through a focus-grouped discussion via online interview. There are five main themes emerged from the study based on the answers of the respondents. This includes time management, tasks management, challenges experiences, opportunities gained, and after graduation plans. it shows the reasons why pre-service teachers continue to work while doing many tasks and responsibilities. It shows three reasons why students work while studying: work experience, adulthood, financial support. Students' reasons show that pre-service teachers continue to work while studying due to personal needs that support themselves and their families. The researchers concluded that even if the working pre-service teachers were ahead of others through their work experience while studying, it does not prepare them to have a fixed plan about their career and long-term plans and actions about their future. The researchers proposed an action plan that could help the institutions, teachers, and working students through seminars, symposiums, and workshops that would be help each other especially the working students to continue studying despite the needs of working.

Keywords: Pre-service Teachers, working students, Bachelor of Elementary Education, Lived Experiences

The Credibility of the Credit Policy of ASA Philippines Foundation Incorporated as perceived by Microfinance Officers

Alviar, H.^{1*}, Banaticla, T.^{2*}, Dela Cruz, V.³, Silvestre, C.⁴, Lavapie, J.⁵

^{1,2,3,4,5}, *Department of business and Accountancy, City College of Calamba*
^{*}*tmabanaticla@ccc.edu.ph*

ABSTRACT

Being one of the microfinance institutions located in Calamba City, Laguna, this study aimed to know the credibility of the credit policy of ASA Philippines Foundation Incorporated, through the assessment of the microfinance officers. The respondents of the study were all the four microfinance officers of ASA Philippines Foundation Incorporated – Calamba Branch. The study was based on the following objective and this was to assess the credit policy of ASA PH through Credit Eligibility Standards, Credit Terms, Clear Documentation, Collections, Client Poverty Level, Application Approval Policy, and Client Supervision Policy. The study was a quantitative research design and adopted a descriptive design. The data was collected using survey questionnaires and interviews. Guided by the 5 C's Model of Client Appraisal or the 5 C's of Credit of Alison Czinkota, results showed that the credit policy of ASA Philippines Foundation Incorporated has high credibility. The reason for having this level of credibility was from the assessed components and indicators of credit policy, showing a good outcome when it comes to credit management and the different factors affecting how well the institution is doing.

Keywords: Microfinance Institutions, Credit Policy, Credibility, ASA Philippines Foundation Incorporated, Microfinance Officers

Abstracts

Faculty Researchers Category

Cash Management Practices and Business Performance of Micro and Small Enterprises in Calamba and Cabuyao: Basis for Training and Development Services Program

Bontigao, R.E.^{1*}

¹*Department of Business and Accountancy, City College of Calamba*

*rebontigao@ccc.edu.ph

ABSTRACT

The main thrust of this study was to determine the level of cash management practice of micro and small enterprises in the cities of Calamba and Cabuyao and try to figure out the effects of these practices on the business performance specifically their profitability and sustainability. This study used a descriptive correlational design. The total population was 150 respondents with a sample size of 134 respondents which were composed of both owners and the staff of micro and small enterprises clients of the accounting firms. The result showed that not all businesses continuously practice proper cash management. Moreover, a significant relationship between the level of cash management practices and business performance of micro and small enterprises clients in the cities of Calamba and Cabuyao was revealed. The enhanced training and development service program should be implemented for micro and small enterprises in the cities of Calamba and Cabuyao. It could help the business to efficiently and effectively manage its cash to obtain its organizational objectives. Hence, cash management practices could impact the business performance of micro and small-level enterprises.

Keywords: Cash Management Practices, Cash Disbursement and Collection, Cash Budgeting, Cash Flow, Forecasting, Business Performance Profitability, Sustainability

Local Colleges and Universities (LCUs) Preparedness and Response to Educational Priorities Amidst Covid-19: an Input to a Model-Based Strategic Development Plan in a New Normal

Aligam, N. Ed.D.¹

¹*Department of Teacher Education, City College of Calamba*
**npaligam@ccc.edu.ph*

ABSTRACT

This endeavor is mainly focused on preparedness and responsiveness to educational priorities amidst Covid-19 through determining the profile, preparedness level, and responsive level of Local Colleges and Universities (LCUs) in Region IV CALABARZON (Cavite, Laguna, Batangas, Rizal, and Quezon). Furthermore, the researcher analyzed the gathered data towards identifying predictors on the preparedness and responsiveness level of LCUs through Linear Modeling. Lastly, it also aimed to develop a model-based strategic development plan in a new normal.

The study pursued the hypothesis That the respondents' profiles do not singly affect the level of preparation in addressing education priorities amidst the COVID-19 pandemic was failed to reject; That the respondents' profiles except employment status do not singly affect the level of preparation in addressing education priorities amidst the COVID-19 pandemic was failed rejected; That the respondents' level of preparedness does singly affect the level of response in addressing education priorities amidst the COVID-19 pandemic was accepted. This study will move forward the body of knowledge by utilizing the very output of this academic endeavor which is the Model-Based Strategic Development Plan for LCUs in CALABARZON.

Keywords: strategic development plan, educational priorities, preparedness, and responsiveness

Developing a Sustainability Model of Community Extension Programs of Philippine Private Higher Education Institutions

Muya, G. Ph.D^{1*}

¹*Department of Arts and Sciences, City College of Calamba*

**grmuya@ccc.edu.ph*

ABSTRACT

This study aims to describe the community extension projects and activities of HEIs at the institutional and college levels and determine the knowledge, attitudes, and practices of stakeholders regarding community extension programs. The study utilized a quantitative descriptive research design using structural equation modeling with a total of 942 respondents from different higher education institutions in the Philippines. Participating HEIs reported that their community extension programs include educational, livelihood, environmental, healthcare and well-being, security, and culture and art projects. The majority of the respondents were informed of the community extension projects through the general assembly called by the institution. The respondents have a high level of awareness of the community extension programs of their respective institutions. In general, they also have a positive attitude toward community extension programs. They also agreed on the institutional practices that contributed to the attainment of the institutional goals for an extension. They also project a positive image of the institution as the result of their extension programs in offering quality education, leadership and innovation, good workplace and financial performance as well as being socially responsible for the needs of the community. There is also a high level of agreement regarding the sustainability of the community extension programs. The emerging model emphasizes on the role of awareness and attitudes toward community extension as predictors of sustainability.

Keywords: sustainable development, quality of life, social responsibility, community extension, higher education

Setting Boundaries: Flexible Learning Mechanisms and Educational Productivity among Local Universities and Colleges in Laguna

Unico, M.¹

*¹Department of Business and Accountancy, City College of Calamba
mgunico@ccc.edu.ph

ABSTRACT

The main purpose of this study was to determine the level of implementation of flexible learning mechanisms in terms of synchronous mode (online), asynchronous mode (offline), and blended learning mode and the level of educational productivity in terms of student characteristics, instruction, and psychological environments in both quantitative and qualitative aspects. The explanatory-sequential mixed methods design was utilized in the study. Local Universities and Colleges in the province of Laguna namely City College of Calamba (CCC), Pamantasan ng Cabuyao (PNC), Pamantasan ng Lungsod ng San Pablo (PLSP), and Laguna University (LU) were the locale of the study. The sampling method used was stratified random sampling and purposeful sampling. G*Power was used to compute sample size. A total of 81 academic heads and 614 students were the respondents whereas 10 students and 10 academic heads were the participants of the study. The adapted and crafted instruments and interview questionnaire guide were used in data collection. Statistical tools used were frequency distribution, weighted mean, and Pearson-r correlation coefficient. Interpretative phenomenological analysis was also used in the qualitative aspect of the study.

Findings revealed that flexible learning mechanisms were all fully implemented and educational productivity was at a highly productive level. There was a significant difference in the perception of the respondents on synchronous mode, asynchronous mode, and instruction. A significant relationship was revealed between flexible learning implementation and educational productivity. In terms of qualitative aspect, the superordinate themes that emerged were Difficult but Improving, The Learners and the

Teachers' Physical, Mental, and Social Environment, Continuous Enhancement of Practices, Limited Productivity Due to Positive and Negative Circumstances, Provide Opportunities for Character Building and Skills Development, Strategies that Involve Development of Mental, Emotional, and Social Skills, Organized but with Hurdles, Varying Perspectives of Teachers and Students, Provide Professional and Personal Support, From Low to Average Level of Productivity, Ease of the Teaching and Learning Processes, Develop Personality of Students, and Partnership and Collaboration with LGUs, Clear Implementation of Policies and Guidelines, and Development of Learning Management System (LMS). As an output of the study, a guidance intervention program was proposed.

Keywords: explanatory-sequential, flexible learning, educational productivity, local universities and colleges, province of Laguna

E-Guro Learning Management System in City College of Calamba and its Internal Stakeholders' Quality and Satisfaction Level: Basis for Enhancement Plan

Salvador, J¹

¹*Department of Computing and Informatics, City College of Calamba*
**jamsalvador@ccc.edu.ph*

ABSTRACT

CCC, one of the Philippines' recognized higher education institutions in the province of Laguna, shares the dilemma with all other academic institutions struggling to make ends meet as they strive to transition from face-to-face sessions to modular and blended learning during the pandemic. With this, e-GURO, a web-based LMS established for CCC in 2021, needs to be reviewed in terms of its quality and the users' satisfaction level to check if it meets the needs of the faculty and students. The researcher used Information System Success Model (ISSM) to measure the quality and satisfaction levels of the faculty and students using non-probability convenience sampling. The instrument was adopted from various studies and was disseminated using google forms. The researcher concluded that the faculty and students of CCC are highly satisfied and in agreement with the quality of the current functions and features of eGURO. It has been confirmed that both faculty and students find e-GURO to be of Very High Quality; therefore, e-GURO's administrators must uphold the established standards. Similarly, the general assessment results concerning faculty and student satisfaction revealed that all current processes must be maintained and improved to achieve a higher level of satisfaction. With an overall score of 'highly satisfied,' these results indicate that respondents find e-GURO beneficial for their work or study. Lastly, the researcher had proposed an enhancement plan for e-GURO that focuses on the functions and features that needs to be enhanced to further improve the satisfaction level of its end-user.

Keywords: LMS, Learning Management System, Online Learning, Online Distance Learning, CCC e-Guro

Convergent Parallel Mixed Methods Study on Student Record Management System in Higher Education Institutions in Calamba City

Reyes, E.¹

¹*City College of Calamba*

**erreyes@ccc.edu.ph*

ABSTRACT

The main objective of this convergent parallel study was to identify the efficiency of the student record management system in different HEIs in Calamba City and creating a Registrars' Manual that can be used in day-to-day transactions with stakeholders. The convergent parallel design, a mixed-methods design was used in this study to gain a thorough grasp of the problem. There were two elements to the research process: qualitative and quantitative. The study was conducted on selected HEIs in Calamba City having 140 student respondents and 9 registrar staff using disproportionate stratified sampling method using equal allocation to identify the total student respondents per HEI and total enumeration for the registrar staff. Based on the quantitative data gathered, it showed that the respondents believed that the current student records management system was fully implemented and the respondents were also fully satisfied on the level of implementation of the current records management system. Furthermore, there is no significant difference between the assessment of registrar staff and students as regards to the satisfaction level on implementation on the existing student records management system all variables having a probability value greater than .05 level of significance. Based on the qualitative data gathered, the researcher found out that respondents encountered various problems with records management, system accessibility and digitization so they came up with alternative solutions to solve these various problems they encountered. It is concluded that despite the lack of a completely dedicated records management system, some HEIs in Calamba City prioritize record protection and check record duplication and propose student records management guidelines.

Keywords: Records Management System, Mixed Method Study, Higher Education Institutions

Impact of Virtual Classroom on Online Distance Learning: A Meta-Analysis

Gecolea, PG¹ and Gecolea, CMB²

¹*Department of Arts and Sciences, City College of Calamba*

²*Calamba Bayside Integrated School, Calamba City*

*pggecolea@ccc.edu.ph

ABSTRACT

Research on varied forms of distance learning concluded that technologies do not differ significantly from normal classroom instruction in terms of learning results. Now that virtual classroom has emerged as a major trend in education, the efficacy of online instruction needs to be revisited. The increased capabilities of online applications and the rise of the virtual classroom have raised expectations for the effectiveness of online distance learning.

This meta-analysis was designed to produce a statistical synthesis of studies regarding the impact of virtual classrooms on the learning outcomes of learners in online distance learning. The types of learners in the meta-analysis studies were students in basic education.

The meta-analysis was conducted on 14 effects found in 9 studies that talk about the effects and impacts of the utilization of virtual classrooms in the implementation of online distance learning. The meta-analysis corpus consisted of (3) case studies and (6) descriptive studies. The effect size of each study was compared to determine its correlation with each other. The virtual classrooms enable students and teachers to communicate synchronously using audio, video, application sharing, text, chat, and other features as though they were standing face-to-face in a regular classroom.

Studies using virtual classrooms in online learning also tended to involve additional learning time, instructional resources, and course elements that encourage interactions among learners. This finding has led to the recommendation that there is really a need to make concrete policies and guidelines regarding the utilization of online distance learning most especially

in times of crisis. It is also recommended that additional technological/ICT support may be provided by the department in every school to fully implement online distance learning. Further research regarding the utilization of virtual classrooms may be secured. Experimental research testing in the utilization of different platforms for virtual classrooms may be conducted.

Keywords: virtual classroom, distance learning, meta-analysis, Calamba Bayside Integrated School

Implementation of Inventory Control Management and Repeat Purchase in Right Goods Philippines Incorporated: Inputs to Policy Reformulation

Rosario, J.¹

*¹Department of Business and Accountancy, City College of Calamba
jmrosario@ccc.edu.ph

ABSTRACT

The main objective of this study was to determine the level of implementation of inventory control management of RGPI as assessed by sales executives and the level of repeat purchases on products of RGPI to its customers. The proposed policy reformulation was the output of the study. This study followed the descriptive correlational research design. Through simple random sampling, the respondents of the study were 42 sales executives of RGPI. The researcher made a survey instrument and was used for data gathering. Using the 4-point Likert Scale and simple mean, the level of implementation on RGPI inventory control management as assessed by sales executives in terms of 4Ps, was fully implemented while the level of repeat purchases on RGPI of products to its customers was always to repeat purchase. Through the Pearson-r correlation coefficient, findings revealed that there was a significant relationship. Since both had significant relationships, regression analysis was applied to test if singly or in combination the level of implementation on inventory control management significantly impacted repeat purchases on products of RGPI. Based on the findings, promotion significantly impacted the level of repeat purchases on products of RGPI by 27.4%. The proposed policy formulation, based on the study's findings and intended to improve current processes will be presented to RGPI's top management. Therefore, the success of inventory control management implementation was through efforts from all departments, as well as, collaboration with customers to improve product handling and raise awareness about the importance of inventory management.

Keywords: Implementation, Inventory Control Management, Repeat Purchase, 4 Ps, Promotions.

Conference Convener

Dr. Ronald A. Gonzales
OIC, Office of the College President

Conference Chair

Prof. Maryann H. Lanuza
VP for Research and Innovation

Keynote Speaker

Dr. Ethel Reyes-Chua
VPAA, PCC

Scientific Committee Members

Dr. Neil P. Aligam
Prof. Lielanie O. Barrion
Prof. Ellen C. Almoro
Dr. Raquel N. Wagan
Prof. Arlou H. Fernando
Prof. Maria Fatima R. Banasihan
Dr. Regina G. Almonte
Prof. Julie Ann A. Orajay
Prof. Kevin V. Angay
Prof. Rex Angelo G. Rizal
Prof. Joanna Marie de Borja
Dr. Gerby R. Muya
Ms. Maria Charlene M. Bagotsay

Technical Committee Member

Ms. Neriza C. Retusto
Vennice Zyna F. Cosino
John Carlo M. Barrera
Alliyah Jennica M. Caparas
Jewel Mae V. Alcantara
Mary Jane T. Castro

VIA ZOOM

Date and Time : November 29,2022 / 8:00am

Meeting ID: 807 845 8810

Passcode: Research22

<https://us06web.zoom.us/j/8078458810?pwd=Z0E2cGNDczA0bUNkNVR2MjdvdkxFTQT09>

ISSN 2980-5015



9 772980 501006

"We Reflect...We Write...We Transform Lives..."

EduHeart Publishing

B1 L54 Las Verandas Villas 2, Mexico St., Buhay na Tubig,
Imus City, Cavite, Philippines

Mobile No.: +63-927-77-45-084 myeduheart@gmail.com