

SUKHOTHAI THAMMATHIRAT
OPEN UNIVERSITY
Thailand



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
OPEN UNIVERSITY SYSTEM
Philippines

*Optimising Research
Engagement and Virtual Classroom
Experience in Open and Distance Learning*

STOU - PUP OUS

**4th Multidisciplinary
Online Research Colloquium
JULY 14-15, 2021**

Jointly Organized by
Sukhothai Thammathirat
Open University (STOU), Thailand
and
Polytechnic University of the Philippines
Open University System (PUP OUS), the Philippines



*Optimizing Research Engagement and Virtual Classroom
Experience in Open and Distance Learning*

**The STOU-PUP OUS
4th Joint Multidisciplinary Online Research Colloquium 2021**

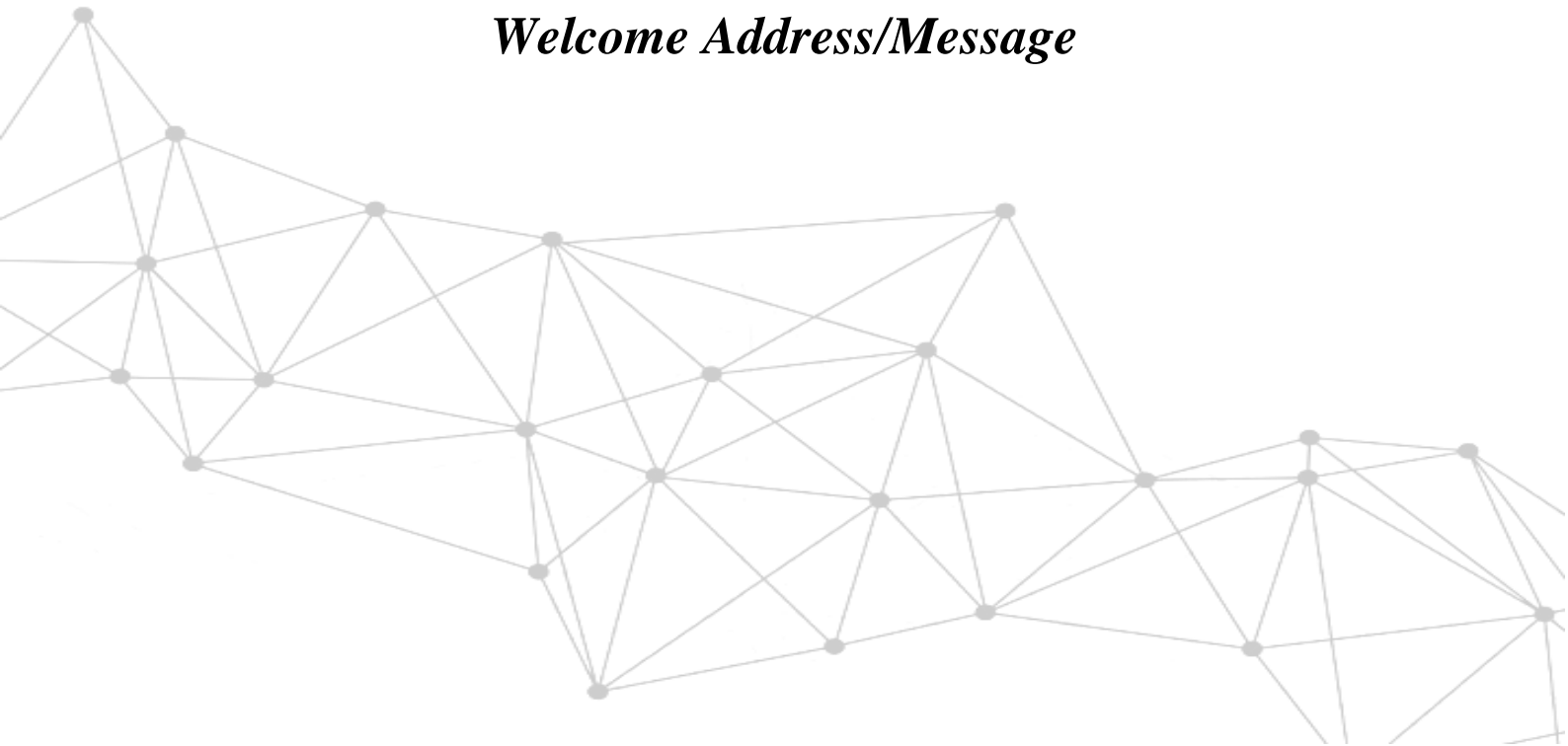
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Open University System (PUP OUS), the Philippines*

July 14, 2021

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Part I
Welcome Address/Message





**SUKHOTHAI THAMMATHIRAT OPEN UNIVERSITY
NONTHABURI, THAILAND**

WELCOME ADDRESS AND OPENING SPEECH

By
Associate Professor Dr. Pranee Sungkatavat
Acting President of Sukhothai Thammathirat Open University

On behalf of Sukhothai Thammathirat Open University, it is my great pleasure to extend our warmest welcome today to all delegates from PUP OUS for your significant contribution to the forth STOU- PUP OUS Joint Multidisciplinary Online Research Colloquium 2021 under the theme “Optimizing Research Engagement and Virtual Classroom Experience in Open and Distance Learning,” jointly organized by Sukhothai Thammathirat Open University (STOU) and the Polytechnic University of the Philippines, Open University System (PUP OUS).



This colloquium is intended to serve as a platform for lecturers, researchers, and graduate students to exchange knowledge and gain insights, as well as a forum for them to build an academic and research network, which could in turn lead to further research collaboration between the two institutions. As you may know, our university also offers a research scholarship which aims to promote research at an international level with an expected outcome of public use, as well as publications in international academic journals. Again, our collaboration sets an example of a good network and smart partnership, and opens opportunities for scholars and students to share their knowledge and expertise. I am very pleased with the outcome of our collective endeavors so far.

I would like to take this opportunity to express my sincere thanks to the organizers and, in particular, to Professor Emeritus Dr. Chutima Sacchanand, the founder and former Chairperson of the Ph.D. Information Science Program, Sukhothai Thammathirat Open University and Chair of the organizing committee, Dr. Manuel M. Muhi, the PUP President, and the delegates from PUP OUS and STOU. I very much appreciate their great contribution to the success of this colloquium.

It is now my great pleasure to declare this online colloquium open and to welcome you to Sukhothai Thammathirat Open University. Thank you.



INTRODUCTORY REMARKS

By

Manuel M. Muhi, DTech.

President of Polytechnic University of the Philippines



Officials and faculty members of Sukhothai Thammathirat Open University, our most active partner, PUP Open University officials, deans, course specialists, faculty members, and students, welcome and thank you for attending this year's 4th Multidisciplinary Online Research Colloquium with the theme "*Optimizing Research Engagement and Virtual Classroom Experience in Open and Distance Learning.*"

As an epistemic institution, it is but natural for us to engage in research and development in pursuit of holistic human development and growth. Over the years, we have underscored this commitment of harnessing our research outputs and engaging the members of the community towards such academic endeavors to further life-long learning. This is likewise resonated in Pillar 6 of my vision for the University which centered on vigorous research production and utilization. With Sukhothai Thammathirat Open University as our partner, I believe we can reach even greater heights as we continue to work collectively towards our mutual goals.

Research and scientific knowledge proved to be crucial most especially this time of global health crisis. Research-based techniques, innovation, and technologies are more important than ever as we embark on new patterns of working, learning, and living. With the new order of things, we must devise new techniques and strategies to adapt to our new social conditions through research and its implementation. Higher Education Institutions (HEIs) are continuously challenged by the demands of society and in this unprecedented time of pandemic, we are once again called upon to take concrete actions and contribute for the common good. Scholars and the research community alike are all conscious of this great role for the advancement of higher learning and the in the service of the country as well. As we continue to embark on this life-long learning principle, today's intellectuals and thinkers should be well grounded, altruistic, and bold enough to face any challenges our world today may pose.

This multidisciplinary research colloquium with STOU remains to be a strong platform for showcasing the various research undertakings of the two (2) universities. Once again this virtual colloquium allows sharing and discussing research issues, concerns and output providing the participants with informative and significant learning opportunities. We all take pride and honor of sharing the research outputs of our students and faculty members towards a vibrant research community with the hope of instigating and enriching research interests and mainstreaming research works in various fields of discipline.

We wish to express our gratitude to Sukhothai Thammathirat Open University for their generosity and for joining us in this momentous journey of paving the way for a more vigorous research undertakings and opening up research opportunities for life-long learning. Likewise, we extend our appreciation to the Organizing Committee and officials of the PUP OUS for making this undertaking possible and for bringing us together once again as one academic community. Finally, I thank all our participants joining us in this year's research colloquium, I look forward to all your presentations and active engagement.

Towards the end, let us continue to collaborate, cooperate and coordinate as we face today's many uncertainties. We look forward to the horizon and aim for our common vision of a vibrant research culture and a force to reckon with among the open universities in our respective countries, the ASEAN Region and the rest of the world.

Welcome once again and may this be a productive and fruitful day for us all.

Maraming salamat po.

REMARKS

By
Professor Emeritus Dr. Chutima Sacchanand
Chair of STOU – PUP OUS Organizing Committee

This fourth STOU - PUP OUS Joint Multidisciplinary Online Research Colloquium 2021, jointly organized by Sukhothai Thammathirat Open University (STOU) and Polytechnic University of the Philippines, Open University System (PUP OUS) is a significant contribution to strengthening the implementation of the MOU between our two universities. This serves as a platform to share our knowledge and experience, form good networking partnerships, and enhance the quality of distance education and the professional development of our graduate students and faculty members.



The COVID-19 pandemic has resulted in the largest disruption of education systems in history, affecting nearly 1.6 billion learners from around the world, and it is still far from over. In order to mitigate the potentially devastating consequences of this crisis, we need to respond to the challenge of ensuring continuity and quality in educational development. In particular, we need to transform the COVID-19 crisis into opportunities, moving forward to an online research colloquium. Adaption to this crisis and ensuring continuity and quality through digital transformation, therefore, is strategic and long-term in the area of open learning environment.

I would like to thank all concerned, keynote speakers, session chairs, presenters, and participants of the two universities who have joined this research colloquium. I also would like to express my gratitude, especially to the organizing committee of both universities. Your cooperation and contribution have enabled us to conduct a successful online research colloquium. Even though this is a small colloquium, its value is beyond. I trust that our collective endeavors will create new insights and collective learning that move *our partnerships* forward.

FOREWORD

By
Professor Carmecita L. Castolo, DEM
Executive Director, PUP Open University System
Chair of PUP OUS Organizing Committee

Our partnership continues. When the pandemic hit last year in 2020, we did not let it hinder our desire to stage our research colloquium. Instead, we found a way to overcome that challenge. It was serendipitous as it helped us start a new tradition in the presentation of our research colloquium. Thus, our colloquium went online.

As we hold our fourth research colloquium, we adopt the theme “Optimizing Research Engagement and Virtual Classroom Experience in Open and Distance Learning” and we present it this year with renewed confidence in the boldness of the organizers.

We indulge in research so we can foster critical thinking and we do it with the end in view of expanding knowledge and understanding of a chosen field. Likewise, we use it to build a community with like-minded individuals who are our peers, faculty, and organizations on and off campus.

As we engage in this event, we confront our invisible foe audaciously. We cannot and will not let the difficulties brought about by the Pandemic bar the way to our continuous search for knowledge and learning. We will win over our adversary in this manner and will continue on victorious in our desire to spread truth and learning thru this event.

We wish all the participants good luck. They are resolute in their yearning to spread the gospel of scholarship and wisdom to all. We congratulate them for not yielding to the challenges of the present as we know that what they are doing will redound to a better future for those searching for erudition.

Be safe everyone! Let us make the most of our 4th Online Research Colloquium.





Part II
Program and List of Abstracts



**The STOU-PUP OUS 4th Joint Multidisciplinary Online Research Colloquium
July 14, 2021**

8:30 a.m.–9:00 a.m.	REGISTRATION
9:00 a.m.–9:15 a.m.	OPENING CEREMONY

Welcome Address by the Acting President of STOU, **Associate Professor Dr. Pranee Sungkatavat**
Introductory Remarks by the PUP President, **Dr. Manuel M. Muhi**

9:15 a.m.–10:00 a.m.	KEYNOTE SPEAKERS
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- 1. Optimizing Research & ODL Engagement via Innovative Communication**
Associate Professor Dr. Kamolrat Intaratat
*Chair of the International Program in Communication Arts for ASEAN,
Director of the Research Center of Communication and Development Knowledge Management
(CCDKM), School of Communication Arts, STOU, Thailand*
- 2. Optimizing Research Engagement and Virtual Classroom Experience in Open and Distance Learning**
Dr. Anna Ruby P. Gapasin
*Vice President for Research, Extension, and Development
PUP OUS, Philippines*

10:00 a.m.–11:15 a.m.	RESEARCH PRESENTATIONS
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Session Chair: **Associate Professor Dr. Namtip Wipawin**
School of Liberal Arts, STOU, Thailand
Moderator: **Assistant Professor Dr. Lugsamee Nuamthanom Kimura**
School of Liberal Arts, STOU, Thailand

- 1. Viewing the Master of Education Management Student's Abilities, Motivation and Opportunities towards Change through an Appreciative Inquiry Len**
Dr. Rosalie A Corpus; Professor Dr. Carmencita L. Castolo
PUP OUS, Philippines
- 2. A Bibliometric Analysis of Covid-19 Research in Asian Countries: A Preliminary Study**
Assistant Professor Dr. Jutatip Chanlun
*Faculty of Arts, Silpakorn University
Ph.D. (Information Science), STOU, Thailand*
- 3. The Graceful Chromatic Number of Some Unicyclic Graphs and Fan Graphs**
Mr. Andrew C. Hernandez
PUP OUS, Philippines
- 4. The Information Literacy Promotion Model through Collaborative Partnership between Librarians and Lecturers: A Case Study of Rajabhat University Libraries**
Assistant Professor Dr. Praise Hiangrat
*Faculty of Humanities and Social Sciences, Rajabhat Maha Sarakham University
Ph.D. (Information Science), STOU, Thailand*
- 5. Risk Assessment in Contracting Project Management Consultants**
Mr. Sergie T. Retome
PUP OUS, Philippines

6. The Needs of Research Data Management Skills and Training of Rice Researchers

Dr. Jirawan Sriwong

Lecturer, Faculty of Liberal Arts, Thammasat University

Ph.D. (Information Science), STOU, Thailand

7. Students' Satisfaction with the Student Support System in Distance Learning: A Basis for Development Programs

Dr. Jerielyn V. Reyes; Professor Dr. Carmencita L. Castolo

PUP OUS, Philippines

8. Document Analysis of Data Journals by ASEAN Researchers

Mr. Chatree Wongkaew

Ph.D. candidate, School of Liberal Arts

STOU, Thailand

Discussion:

11:15 a.m.–12:30 p.m. RESEARCH PRESENTATIONS

Session Chair: Associate Professor Marynelle Rosales

PUP OUS, Philippines

Moderator: Miss Kamonlaporn Sirisophon

School of Liberal Arts, STOU, Thailand

9. Correlating Work Environment Factors and Job Satisfaction of PNP Non-Uniformed Personnel in Quezon Province: A Basis for a Proposed Development Program

Ms. Marijoy Q. Antone

PUP OUS, Philippines

10. Factors Related to Health Information Exchange: A Review of the Literature

Mr. Nakarin Choon-ngarm, M.D., M.P.H.

Ph.D. candidate, School of Liberal Arts

STOU, Thailand

11. Repeater Performance in Collaborative Learning Activities: A Developmental Intervention Program

Mr. Webster S. Mongado

PUP OUS, Philippines

12. Digital Media Usage Behavior of the Elderly in Bangkok

Miss Kirana Tassana

Student, Faculty of Business Administration and Information Technology

Rajamangala University of Technology Tawan-Ok., Thailand

13. Evaluation of the Ordinance 2350 Regulating Smoking in Public Places in 6th District of Quezon City: A Basis for the Improved Implementation of the Ordinance

Ms. Anne Bernardine R. Abadilla

PUP OUS, Philippines

**14. Uses and Gratifications on Social Media as Learning Tool in Visayas
State University-Isabel: A Basis for a Proposed E-classroom**
Mr. Jonathan A. Joyo
PUP OUS, Philippines

Discussion:

12:30 p.m.–12:40 p.m. Closing Remarks
By Professor Emeritus Dr. Chutima Sacchanand
Information Science Program, Chair of the Organizing Committee, STOU

Assistant Professor Dr. Lugsamee Nuamthanom Kimura
English Program, School of Liberal Arts, STOU, Thailand
Master of Ceremonies

KEYNOTE SPEAKER



Associate Professor Dr. Kamolrat Intaratat

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Director of the Research Center of Communication and Development Knowledge
Management (CCDKM), School of Communication Arts, STOU, Thailand
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OPTIMIZING RESEARCH & ODL ENGAGEMENT VIA INNOVATIVE COMMUNICATION

ABSTRACT

This research studies how innovative communication could optimize any kind of research and Open Distance Learning (ODL), especially the online learning engagement among all targeted adopters. Qualitative research was used via case studies, document studies, and 3 key informants interviewed from 3 successful cases: 1) Smart Buddhism, 2) Smart Ageing, and 3) Smart HRD. Research tools were data mapping and an interview form. Content analysis with narrative description was used for data analysis. Results revealed the innovative communication that could optimize any kind of research and ODL composed of communication and innovation, with their well strategic design to fit all real demands of their targeted adopters from any sector. The overall lessons learned from 3 success cases found (suggested) 4 main components of innovative communication as follows: 1) the system or the protocol of the holistic structure--i.e., website, page, database, portal, e-class, e-shop, App, and others; 2) the process or method--i.e., self-study, Massive Open Online Course (MOOC), blended methodology with lots of dominant and well accepted methods, such as collaborative method, cooperative method, flip learning method, and others; 3) the devices and media--i.e., mobile devices, social media, and other appropriate media; and 4) the strategies--i.e., (1) the practical policy, such as credit bank, transferring system (the credit transfer, the working experience transfer or acknowledgement), accreditation system, certified system, resource pool, partnering, consortium, and others and (2) the practical strategies--i.e., interactive strategy, participative strategy, and others. It is recommended that more innovative communication strategies should be introduced into the world of research and the ODL system for its best optimization to all of the targeted adopters.

KEYWORDS

Research Engagement, ODL Engagement, Innovative Communication

KEYNOTE SPEAKER



Dr. Anna Ruby P. Gapasin

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OPTIMIZING RESEARCH ENGAGEMENT AND VIRTUAL CLASSROOM EXPERIENCE IN OPEN AND DISTANCE LEARNING

A pleasant day to all the officials, faculty, students and staff of Sukhothai Thammathirat Open University and Polytechnic University of the Philippines Open University System.

It is my great pleasure to speak before you today and be part of your virtual research colloquium. Congratulations for this institutionalized collaboration between STOU and PUPOUS which provides a venue and opportunities to our graduate students to present their research output.

Any university of higher education in our times would concretize efforts in ensuring a working research culture. It is the needs of the time; it is the call of the time.

In recent years around the world, research has given us landmark outputs that assisted the academic community to where we want to move forward and where we want to situate teaching and learning, research, collaboration, and innovation.

Despite the life-changing effects of the global pandemic, the Philippines and Thailand, together with all our neighboring countries, remain undaunted by the challenges posed by this situation. Proof of this is the continued focus on developing new ways to communicate with each other to optimize research engagement and virtual classroom experience in open and distance learning.

According to data from UNESCO, the peak in school closures was registered at the beginning of April 2020, when around 1.6 billion learners were affected across 194 countries, accounting for more than 90% of total enrolled learners (UNESCO, 2020).

Due to the massive lockdown, our neighboring countries in Southeast Asia have massively invested and enhanced their online-technology-enabled platforms and shifted from traditional face-to-face to these virtual modalities. We have utilized online learning management systems combining it with blended and hybrid learning and realizing the differences and the wide disparity in technology access. Thus, the utilization of other media technologies like radio and television broadcasts, and even mobile technology. As a result, education has changed dramatically, with the distinctive rise of e-learning, whereby teaching is undertaken remotely and on digital platforms.

Even before the COVID-19, the Polytechnic University of the Philippines Open University System, with its blended and flexible learning, has served thousands of Filipinos here and abroad since 1990. It has adopted a teaching and learning delivery system that facilitates students' education that maximizes different online and offline resources. Open and distance learning initiatives such as teaching through correspondence, CDs, printed instructional materials, and other electronic communications have reached hundreds of Filipinos.

In 2013, PUP responded to the socio-technical needs of its stakeholder that paves the way in the design and development of the E-Mabini Learning Portal as PUP's Learning Management System. PUP E-Mabini Learning Portal is a self-paced and self-contained classroom experience to provide anytime, anywhere classrooms for students across geographical boundaries for Overseas Filipino Workers (OFWs) and working individuals.

The portal is used extensively during non-face-to-face or asynchronous meetings until it became an integral part of open and distance learning.

Rising to the many challenges of the pandemic, PUP follows the lead of the Open University System to respond to the disrupted education system through "flexible technology-enhanced learning or known as *'flextel'* in the PUP System. Flexible technology-enhanced learning or *'flextel'* maximizes different online and offline resources that consider the remote teaching and learning process conditions in the time of the quarantine. *'Flextel'* is where digital and non-digital technology is applied to address the home-based instructional needs of the students in the community. Students are grouped into an online and modular category to systematized teaching and learning through various surveys, enabling the identification of the actual status of the faculty members and students.

Most importantly, it also established the learning community's needs, including but not limited to the devices to be used in videotelephony, learning management systems, mobile devices, social networks, and others.

STOU and PUPOUS are both unwavering to produce this vast pool of knowledge and literature on different topics relevant to these changing times, which aims to provide evidence-based policy advice for strengthening education by conducting relevant and high-impact research studies.

Indeed, both universities boast a strong research culture. We are still wanting at some areas but certainly thriving in some crucial areas of discussion in multidisciplinary research. But research, if not shared and if not elevated to become topics of academic conversations; if not moved to a common core, to continue reshaping our society, our research culture would not have been successful. In short, any research, any output not shared, not part of our everyday conversations in the academics and outside the academics, is futile.

Any research, according to an article published by Julian Kirchherr in 2018, "*should not only aim at insular academic circles, rather, to change the world'*". And that is a problem that we need to solve.

Through this pandemic, what has been made clear is the necessity of disseminating knowledge across borders, organizations, and all aspects of society. If online learning technology has a role to play, it is incumbent on us to explore its full potential.

Today's research colloquium opens critical conversations and optimizes our engagement in moving our research outputs forward — the STOU and PUPOUS way. I thank the STOU and PUPOUS for leading this important gathering. I thank all the faculty and student presenters for gracing the occasion and for sharing your precious time and precious research output to all of us.

Maraming Salamat ! Khob Kun Ka!

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[1] UNESCO (2020), COVID-19 Educational Disruption and Response, <https://en.unesco.org/covid19/educationresponse/>.

[2] Kirchherr, Julian. (2018, August 9). *PhD should be about improving society, not chasing academic kudos*. The Guardian. <https://www.theguardian.com/higher-education-network/2018/aug/09/a-phd-should-be-about-improving-society-not-chasing-academic-kudos>

[3] The COVID-19 pandemic has changed education forever. This is how. (2021, June 1). World Economic Forum. <https://tinyurl.com/4v9sjjun>

VIEWING THE MASTER OF EDUCATION MANAGEMENT STUDENT'S ABILITIES, MOTIVATION AND OPPORTUNITIES TOWARDS CHANGE THROUGH AN APPRECIATIVE INQUIRY LENS

Dr. Rosalie A. Corpus
Dr. Carmencita L. Castolo
Prof. Elizabeth C. Fernando

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ABSTRACT

Graduate students from the Open University System Master in Education Management (OUS MEM) program of a State University were asked if their professional practice and attitude toward their work, school heads, colleagues, and students have changed as a result of enrolment in the program. As the faculty members of the OUS MEM, the researchers are always on the lookout for organizational change and used the Appreciative Inquiry approach, which focuses on strengths rather than weaknesses, to evaluate students' answers as stakeholders' inputs. With a descriptive flexible research design, responses received were coded into the Ability-Motivation-Opportunity (AMO) framework, a performance tool in management contextualized into academe. Results showed that teachers' knowledge and skills were seen as Ability enablers with teacher professionalism and relationships with students, colleagues, and school heads as the perceived bases, actual change, and results of the change. Seen as Motivation enablers were how they now practice education management, their collective professional identity, individual beliefs, personal affinities, goals, and emotions. Opportunity enablers were seen as national education laws, social influences, personal circumstances, context, and resources that opened doors to career promotion and additional incomes. Parallels were seen between the individual teacher and the Open University System Master of Education Management program, using AMO and the four phases of Appreciative Inquiry (AI) in the narratives. Examples include a) Discovering the OUS MEM program's attributes that can enhance teachers' Ability; b) allowing them to Dream of a better future; c) OUS MEM Designing better Opportunities for teachers' enhancement and betterment; and d) Destiny and future. Results were presented to OUS MEM officials for possible reforms and continuous improvement of the MEM program. It is recommended that the study be replicated for further development within other OUS graduate programs.

KEYWORDS

Abilities-Motivation-Opportunities Framework, Appreciative Inquiry Approach, Narrative Paradigm, Descriptive Flexible Research Design, Open University System Master in Education Management

A BIBLIOMETRIC ANALYSIS OF COVID-19 RESEARCH IN ASIAN COUNTRIES: A PRELIMINARY STUDY

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ABSTRACT

The objective of this study was to review the literature on the bibliometric analysis of COVID-19 research published in academic databases. The literature used in the study was published from 2020 to 2021 and retrieved from the following academic databases: PUBMED, Science Direct, and Google Scholar. Results of the study were as follows: the majority of COVID-19 related research was found in the health science context. The databases used for the COVID-19 study were Scopus, Web of Science (WOS), and PubMed. The keywords used to retrieve COVID-19 literature were "novel coronavirus 2019," "coronavirus 2019," "COVID 2019," "COVID 19," and "coronavirus disease 2019," with the title or abstract search option. The bibliometric analysis of COVID 19 research also revealed the literature in the regional and social science context.

KEYWORDS

Bibliometric Analysis, COVID-19, Coronavirus 2019

THE GRACEFUL CHROMATIC NUMBER OF SOME UNICYCLIC GRAPHS AND FAN GRAPHS

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ABSTRACT

This study is an exposition and extension of the study of R. Alfarisi, Dafik, R.M. Prihandini, R Adawiyah, E.R. Albirri, and I.H. Agustin about the graceful chromatic number of unicyclic graphs. All graphs in this paper are finite, simple, and connected. A graceful k -coloring of a nonempty graph G is a proper vertex coloring $c: V(G) \rightarrow [k]$, where $k \geq 2$ that induces a proper edge coloring $c': E(G) \rightarrow [k - 1]$, defined by $c'(uv) = |c(u) - c(v)|$. A vertex coloring c of graph G is a *graceful coloring* if c is a graceful k -coloring for some $k \in \mathbb{N}$. The minimum k for which G has a graceful k coloring is called the *graceful chromatic number* of G denoted by $\chi_g(G)$. In this study, the graceful chromatic number of unicyclic graphs, such as the Tadpole Graph, Pan Graph, and Sun Graph will be discussed. Also, the graceful chromatic number of the Fan Graph will be discussed.

KEYWORDS

Graceful Labeling, Chromatic Number, Graceful Chromatic Number, Unicyclic Graph, Fan Graph

THE INFORMATION LITERACY PROMOTION MODEL THROUGH COLLABORATIVE PARTNERSHIP BETWEEN LIBRARIANS AND LECTURERS: A CASE STUDY OF RAJABHAT UNIVERSITY LIBRARIES

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ABSTRACT

This research aimed to study an information literacy promotion model through collaborative partnership between librarians and lecturers, using a mixed method approach. The samples consisted of 5 lecturers, 5 librarians, and 98 Rajabhat University students who were selected through simple random sampling method. The research instruments were a recording form, a test, an interview form, a focus group discussion, and a questionnaire. Quantitative data were analyzed using descriptive statistics- the frequency, percentage, mean, standard deviation-, quantitative data were analyzed using content analysis. Results obtained revealed that the developed information literacy promotion model through collaborative partnership between librarians and lecturers was student-centered, focusing especially on collaborative partnership between librarians and lecturers to upgrade information literacy skills. After it was tried out, the librarian and lecturer participants responded that the collaborative activities were appropriate. The student participants were satisfied with the developed activities at the highest level. Their learning outcomes after learning were significantly higher than before learning at the level of 0.05.

KEYWORDS

Information Literacy Promotion, Rajabhat University Libraries, Collaborative Partnership.

RISK ASSESSMENT IN CONTRACTING PROJECT MANAGEMENT CONSULTANTS

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ABSTRACT

The primary purpose of this study is to assess the two (2) -day Authorized Managing Officer (AMO) online orientation seminar and to find the enhancements needed to ensure its credibility. The respondents of this study were seventy-eight (78) participants in the two-day AMO online orientation seminar hosted by the National Constructor Association of the Philippines in October of 2020, facilitated by the Construction Manpower Development Foundation. A structured questionnaire was used to gather data based on the respondents' reactions, learnings, behaviors, and results. The majority of the respondents were in the age range of 41-55 years old, predominantly male, graduated in an engineering program (Civil, Electrical, Mechanical, Electronics, and Industrial), residing in the National Capital Region, and with more than 2 years of experience. Results showed that the respondents had assessed the AMO Online Orientation Seminar in all areas as highly effective, with Reaction as the most effective, followed by Behavior, Learning, and last but not least Results. Based on these findings, it is recommended that the program shall be continued as it serves its purpose by providing training for the AMOs to gain the needed competence to handle a construction firm that is a high-risk business. Furthermore, the Board may review the current module/topics to be attuned and rationalized with the present situation and prepare the contractors for the new trends, technology, and policies that would affect the construction industry, and collaborate with CMDF to further improve guidelines for the Online Seminar.

KEYWORDS

Authorized Managing Officer, RA 4566, Philippine Contractors Accreditation Board, Master of Science in Construction Management, Polytechnic University of the Philippines

THE NEEDS OF RESEARCH DATA MANAGEMENT SKILLS AND TRAINING OF RICE RESEARCHERS

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ABSTRACT

This study is to explore the perception of needs of research data management skills and training of rice researchers. This qualitative research used a semi-structured interview as a tool for data collection. The sample was the rice researchers in public organizations and universities. The interviews were audio recorded by the permission of the informants, and transcribed and analyzed using content analysis. The results found that 1) the rice researchers had the lowest need for metadata and data documentation skills, followed by handling privacy and sensitivity data skills, and intellectual law related to research data respectively. 2) The rice researchers in the study also needed the training on metadata creation for research data, digital file standard and organization, and research data storage, respectively.

KEYWORDS

Research Data Management Training, Rice Researchers

STUDENTS' SATISFACTION WITH THE STUDENT SUPPORT SYSTEM IN DISTANCE LEARNING: A BASIS FOR DEVELOPMENT PROGRAMS

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ABSTRACT

The purpose of this study is to determine the relationship between self-determined open and distance learning (ODL) competencies and students' satisfaction with the Students Support System of Open University System (OUS) of the Polytechnic University of the Philippines. A descriptive and correlational study was employed. Data were collected from 454 graduate students from all OUS centers. The salient findings of the study showed that respondents are competent at ODE, with highest assessment on interactive and collaborative learning. However, they had the lowest self-determined competency in the uses of technology wherein ODL was highly dependent as an instructional delivery platform. It was also found that respondents were satisfied with the three areas: people providing the service, pedagogical aspect, and technology utilized for ODL. Additionally, there was a strong relationship between self-determined competency of students and their satisfaction with the service support system of PUP OUS. As a result, there is a need to develop programs that will increase the level of satisfaction with student services and improve the competency of ODL students, particularly in the area of technology proficiency. The obtained data can help in the formulation of policies that would help improve the support system provided to students.

KEYWORDS

Open and Distance Learning, Students' Satisfaction, Students Support System, Self-determined Competency

DOCUMENT ANALYSIS OF DATA JOURNALS BY ASEAN RESEARCHERS

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ABSTRACT

Data journals are scholarly journals that publish datasets or data papers rather than research articles. A number of data journals were published in the Scopus database from 2016 to 2020. They provide an insight into the phenomenon with regards to the level of data sharing by researchers, including the trend of data being reused directly. This study is a documentary analysis of the research results of data papers, and citations of ASEAN researchers, which were published in 9 indexed Data journals in the Scopus database from 2016 to 2020. The obtained findings revealed that the top five countries with the highest number of works published in Data journals were Malaysia (281 titles), Indonesia (156 titles), Singapore (84 titles), Thailand (68 titles), and the Philippines (33 titles), respectively. The university with the most research data papers (78 titles) was the Universiti Malaysia Terengganu, which specializes in Marine Science and Aquatic Resources. The findings also showed that most of the works of ASEAN researchers published were multidisciplinary. It was also found that the results of data papers from Singapore were used most, and their titles were mostly related to a “critical care database”, which was cited 1,169 times. This number was relatively higher than the second one, based on the title of “Indian Diabetic Retinopathy Image Dataset” from Malaysia, which was cited 73 times. When focusing on data in the social science field regarding “Massive Open Online Courses (MOOCs): Data on higher education,” the data papers from Malaysia yielded the highest number of citation at 33 times. It is therefore recommended that the availability of research data of ASEAN researchers published in Data journals is a starting point for the future development of open data and open science in the ASEAN society.

KEYWORDS

FAIR Data, Open Data, Data Journal, ASEAN Researcher

CORRELATING WORK ENVIRONMENT FACTORS AND JOB SATISFACTION OF PNP NON-UNIFORMED PERSONNEL IN QUEZON PROVINCE: A BASIS FOR A PROPOSED DEVELOPMENT PROGRAM

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ABSTRACT

This study is a correlational study on work environment and job satisfaction. The researcher purposively administered a survey to 172 respondents across the four districts of Quezon Province. It targeted the collection of the respondents' demographic profile and the current status of their work environment. At the same time, it aimed to measure the extent of job satisfaction with regards to the nature of work, pay, allowances, and personal and career development. Aside from this, the study also collated data to identify problems encountered by the respondents in the work environment in attaining job satisfaction. Based on the results, it was found out that the majority of respondents was females, aged between 30 to 40 years old. The respondents posted a degree of agreement on the work environment factors of the PNP Non-Uniformed Personnel (PNP NUP). In terms of job satisfaction, it was concluded that respondents possessed the interest and positive attitudes towards their jobs and had an understanding of the pay and allowance system. Aside from this, problems were also identified in the working environment while attaining job satisfaction in the PNP office (i.e., lack of budget to enhance office facilities and equipment, lack of training and seminars, and interpersonal conflict). The statistical analysis showed that there was a significant relationship between work environment factors and job satisfaction of PNP NUP in Quezon Province. Based on the above findings, the researcher recommended: (1) further study about the topic, e.g., paternalistic and maternalistic type of leadership; (2) immediate problem identification; (3) equal chances and opportunities for professional growth and career path for all its NUP; (4) allocation of budget for the procurement and repair of equipment and facilities in the next fiscal year; and (5) strengthening the relationship with stakeholders, which has the highest potential to help the department. Lastly, the proposed development program had been evaluated as highly acceptable and efficient.

KEYWORDS

Work Environment, Job Satisfaction, Philippine National Police, Non-Uniformed Personnel, Correlational Study, Work Environment, Job Satisfaction, Personnel Development Program

FACTORS RELATED TO HEALTH INFORMATION EXCHANGE: A REVIEW OF THE LITERATURE

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ABSTRACT

This article presents an overview of factors related to health information exchange. A collection of 748 pieces of literature published from 2010 to 2020 was drawn from 7 databases: PubMed, Science Direct, SpringerLink, ProQuest, Google Scholar, Tci-Thaijo, and ThaiLIS. Articles were reviewed, analyzed, and coded, using a qualitative content analysis approach. Based the analysis of literature, it was found that the factors related to health information exchange could be divided into 4 domains: policy and governance, organization and network, technology and standards, and users. The related factors and obstacles comprised of partner readiness, knowledge of health IT, security & privacy, re-designing workflow process, interoperability efforts, information quality of EHR, IT infrastructure, incentive, policy & governance, adoption & trust, leadership support, cost, motivation & perceived value and Human resource development. The limitations associated with the success or failure of health information exchange were also included.

KEYWORDS

Factor, Health Data, Health Information Exchange

REPEATER PERFORMANCE IN COLLABORATIVE LEARNING ACTIVITIES: A DEVELOPMENTAL INTERVENTION PROGRAM

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ABSTRACT

One of the remarkable issues faced by the country's educational system is the situation of student's repetition brought on by different reasons, including personal choices, family matters and the faults of teaching strategies. A quasi-experimental study was undertaken to determine the effects of collaborative learning activities on the level of competence in communication, learning facets, and modalities of student-repeaters. The researcher utilized a modified VAK learning style questionnaire and a pre- and post-test instrument to determine the learning competence of 84 randomly selected participants from Grade 8 regular class, Alternative Learning System and Open High School classes who attended the developmental intervention program. Results revealed that most of the respondents were kinesthetic type learners, showing a significant relationship between the types of learning modalities and repeaters' level of competence across the different collaborative learning activities, kinesthetic learning modality had a strong significant relationship with their level of competence, and problem-solving skills and social skills had a strong positive relationship with the type of learning modalities of the repeaters. It is recommended that the use of collaborative learning is encouraged in all academic levels and that teachers should attend training to fully understand the use of the pedagogy.

KEYWORDS

Polytechnic University of the Philippines, Open University, Collaborative Learning Activities, Learning Modalities, Level of Competence

DIGITAL MEDIA USAGE BEHAVIOUR OF THE ELDERLY IN BANGKOK

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ABSTRACT

The objective of this research was to study the demographic characteristics and digital media exposure behaviour of Bangkok's elderly population. This quantitative research used a survey questionnaire with 400 elderly people in Bangkok, using a multi-stage sampling method. The results were as follows. Most of the respondents were equally female and male, with the age range of 60-65 years old. Almost half of them (41.50%) had a qualification at the post-qualification level. Interestingly, 36.30 percent were engaged in employment/service work before the age of 60, and 33.80 percent had an average monthly income of not more than 10,000 baht. Moreover, most of them (83.50%) were married. The analysis of data interestingly revealed that the respondents used mobile phones at the average of 2.40, at the lowest level and digital media every day at the average of 1.67, at the lowest level. The length of time spent on using digital media was less than 30 minutes per usage at the average of 1.76, at the lowest level. The period of using digital media was during daytime (10.00-16.00) at the average of 1.87, at the lowest level. The majority of respondents used Line at the average of 1.91, at the lowest level.

KEYWORDS

Digital Media, Usage Behaviour, Elderly.

EVALUATION OF THE ORDINANCE 2350 REGULATING SMOKING IN PUBLIC PLACES IN THE 6TH DISTRICT OF QUEZON CITY: A BASIS FOR THE IMPROVED IMPLEMENTATION OF THE ORDINANCE

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ABSTRACT

The study aimed to evaluate the Ordinance 2350 Regulating Smoking in Public Places in the 6th District of Quezon City. The study was conducted in the 6th District of Quezon City and involved two groups of respondents: Deputized Agents and Residents. The results showed that the respondents were aware of the Ordinance 2350 implemented in Quezon City. However, the respondents were unaware of a certain provision, such as the sign or notice that shall include a warning about the health risks of smoking. Moreover, the ordinance had to be implemented as assessed by the respondents. The data determined that the law enforcers should issue the Electronic Violation Receipt to those who violated the ordinance. On the other hand, the law enforcers were not strictly implementing the ordinance by not apprehending the violators at once. Furthermore, the respondents also believed that the deputized agents were not apprehending those who were related or known to them. The researcher recommends that the city government should continue posting and disseminating information regarding the Ordinance. Also, strict implementation of the ordinance by the law enforcers is encouraged. They should practice professionalism by apprehending the violators at once, even those who are related or known to them. Moreover, the number of law enforcers should also be increased. Lastly, the government and the public should work together in order to fully achieve the goal of the country in terms of eradicating smoking in public places.

KEYWORDS

Smoking, Ordinance, Public Places, Ordinance Implementation

USES AND GRATIFICATION ON SOCIAL MEDIA AS A LEARNING TOOL IN VISAYAS STATE UNIVERSITY-ISABEL: A BASIS FOR A PROPOSED E-CLASSROOM

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ABSTRACT

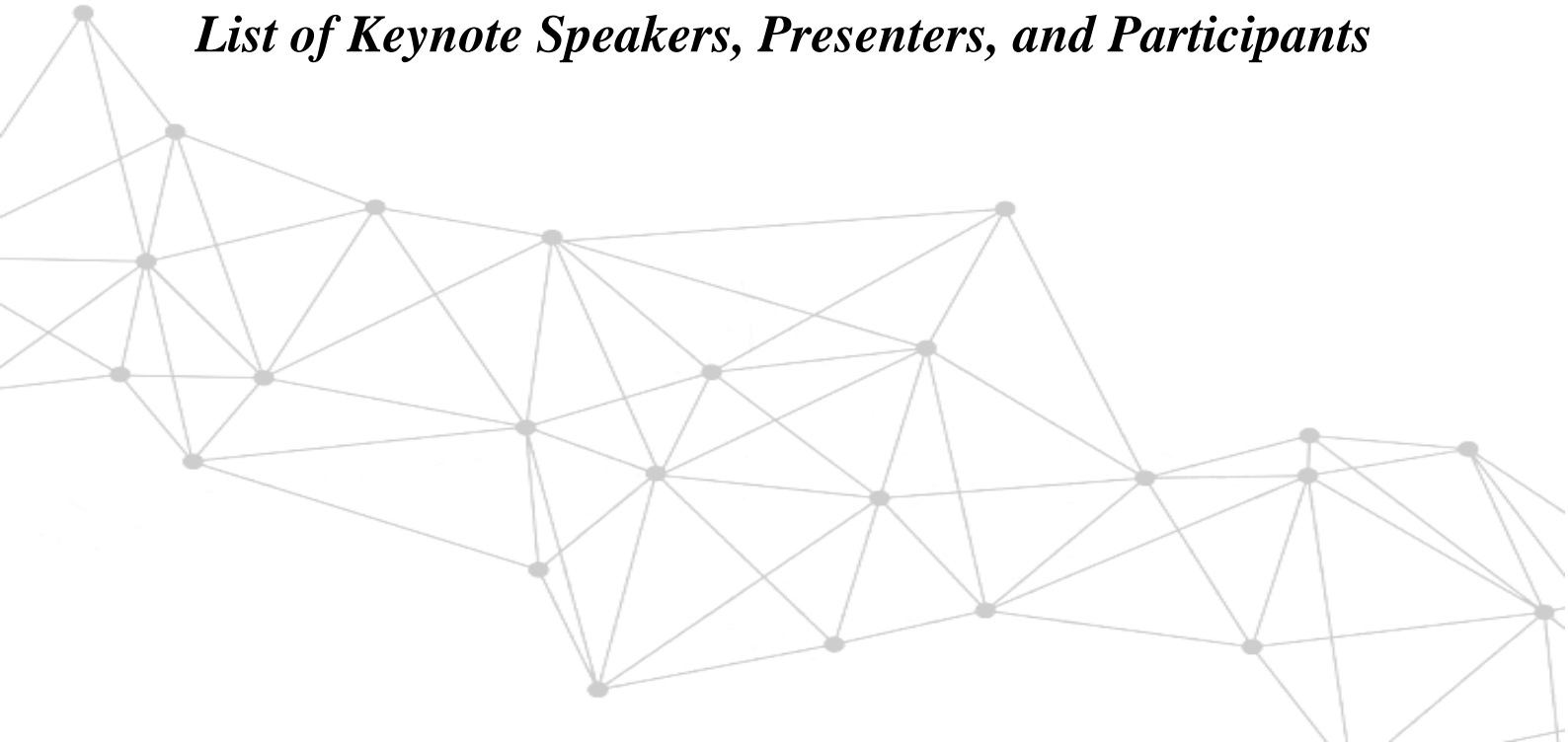
This study was conducted in order to identify the attained gratification of the VSU Isabel freshmen and its faculty members in terms of cognitive, affective, social integrative, personal integrative, and tension release. It also described the respondents' level of engagement, identified the widely used social media platforms, determined the means of accessing the medium, and tracked down the purpose for why they continued to expose themselves to this modern medium. Data were collected through the use of a survey questionnaire, which was adapted from the study titled "Social Media: The Use of Facebook as a Tool to Support Learning in Higher Education" (Hayde et al. (2013). The questionnaire was designed to align with the study's framework. Results obtained from the analysis revealed that the majority of respondents spent an average of 2-3 hours every day on social media. In terms of social media platforms, Facebook and Youtube ranked as the most widely utilized platforms. In terms of means of access, students ranked home as the primary place of media access while teachers ranked the school as the main venue where they gained full access. In terms of purpose, students accessed social media for the purpose of doing their assignments while teachers ranked announcements as their main purpose. As far as gratification is concerned, results also showed that most students had agreed that social media were beneficial to them. On the other hand, VSU Isabel faculty members had strongly agreed with the idea that social media had been a great help to meet their personal and professional needs. Since the students' gratification was only on the agreed level, the results of this study will then be a basis in proposing an e-classroom or online learning platform in VSU Isabel. The implementation of the proposed e-classroom will not only help in increasing the gratification level of the students but also boost the learning experience of the students in this institution.

KEYWORDS

Social Media, Learning Tools, e-Classroom

Part III

List of Keynote Speakers, Presenters, and Participants



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