

# **STOU-PUP OUS** 2ND JOINT MULTIDISCIPLINARY RESEARCH COLLOQUIUM May 31, 2019

Sukhothai Thammathirat Open University Jaengwattana Rd. Bangpood Pakkret Nonthaburi 11120 Thailand

### The STOU-PUP OUS

2nd Joint Multidisciplinary Research Colloquium 2019

Jointly Organized by Sukhothai Thammathirat Open University (STOU) and The Polytechnic University of the Philippines

Open University System (PUP OUS)

May 31, 2019

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## Part I Welcome address/message



# SUKHOTHAI THAMMATHIRAT OPEN UNIVERSITY, NONTHABURI, THAILAND

### WELCOME ADDRESS AND OPENING SPEECH By Prof. Dr. Prasart Seubkha Acting President Sukhothai Thammirat Open University



On behalf of Sukhothai Thammathirat Open University, it is my pleasure to extend our warmest welcome today to all delegates from PUP OUS for your significant contribution to the second STOU- PUP OUS Joint Multidisciplinary Research Colloquium 2019, 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 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, Prof. Dr. Carmencita L. Castolo, Representative of President Emanuel C. De Guzman and the delegates from PUP OUS and STOU. I very much appreciate their great contribution to the success of this colloquium.

I hope that you have a comfortable and enjoyable stay with us, and if there is anything that you need during this colloquium, please do not hesitate to approach our STOU staff.

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



Republic of the Philippines POLYTECHNIC UNIVERSITY OF THE PHILIPPINES OFFICE OF THE PRESIDENT

#### PRESIDENT'S MESSAGE The STOU – PUP OUS 2nd Joint Multidisciplinary Research Colloquium 2019

I convey my warmest felicitations to the organizers and participants of the 2nd Joint Multidisciplinary Research Colloquium, at Sukhothai Thammathirat Open University, the pioneering open university systems in Southeast Asia, organized mainly as a mutual commitment to advancing the cause of education in our growing region.



This exchange highlights our continued efforts to identify evidence-based practices that are keys to more innovative and effective systems of learning. It also creates a healthy environment for collective experiences and deeper understanding of our shared identities as educators and as fellow Southeast Asians. Hence, the theme "Advancing Open and Distance Learning Through Research Practices" defines our timeless roles as higher institutions of learning.

I hope that distance education quality standards can be adopted to level with other neighboring institutions through the full implementation of ASEAN integration. I fervently hope that the ideas we share and the insights we learn from this colloquium will be translated into good practices for both of our universities. I trust that this is the beginning of many more endeavors towards a better and effective open university system in our countries and more importantly, for the rest of Southeast Asia.

Again, my sincerest congratulations, and thank you!

EMANUEL C. DE GUZMAN, Ph.D. *President* 

#### FOREWORD By Professor Dr. Chutima Sacchanand Chair of STOU Organizing Committee

This second STOU- PUP OUS Joint Multidisciplinary Research Colloquium 2019, jointly organized by Sukhothai Thammathirat Open University (STOU) and the 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. More significantly, this will provide opportunities to serve as a platform to share our knowledge and experience, form good networking, partnerships



and enhancing the quality of distance education and the professional development of our faculty members and graduate students.

I would like to convey my sincerest thanks to all concerned, especially Professor Carmencita Castolo, Executive Director of the PUP Open University System. It is the pleasure of our team to host this colloquium for the second time, and I trust that our collective endeavors are fruitful.

### Part II Program and list of abstracts





#### STOU-PUP OUS 2nd Joint Multidisciplinary Research Colloquium May 31, 2019

#### Room: 1608-1608/1, Administration Buildings, Sukhothai Thammathirat Open University, Nonthaburi, Thailand

8:00 am-9:00 am	REGISTRATION
9:00 am-9:30 am	OPENING CEREMONY
	Welcome address from the Acting President of STOU,
	Professor Dr. Prasart Suebka
	Message from the PUP President, Dr. Emanuel C. De
	Guzman
	Represented by Professor Dr. Carmencita L. Castolo
	Executive Director, the PUP
	Open University System
	Group Photo
9:30 am-10:30 am	KEYNOTE SPEAKERS
	1. Open and Distance Learning in Information Science
	at a Residential University
	Professor Dr. Archie Dick
	Head of Information Science Department,
	University of Pretoria, South Africa
	2. DOAJ Seal Guidelines for Library and Information
	Science Journals
	Associate Professor Dr. Namtip Wipawin
	Dean, School of Liberal Arts, STOU
	3. Employers' Perception on Quality of the Postgraduates
	of Sukhothai Thammathirat Open University
	Professor Dr. Sumalee Sungsri
	School of Educational Studies
	Former Director, Office of Educational Services,
	STOU
	4. The Digital Challenges of English Language Teaching
	(ELT) at STOU
	Associate Professor Dr. Alisa Vanijdee
	Former Dean, School of Liberal Arts, STOU

10:30 am-10:45 am	COFFEE BREAK		
10:45 am-12:00 pm	RESEARCH PRESENTATIONS (Morning Session)		
	Session Chair: Associate Professor Dr. Alisa Vanijdee Former Dean, School of Liberal Arts, STOU, Thailand	;	
	1. Students' Behaviors and Teachers' Classroom Management Strategies at Public Secondary Schools in Lemery District		
	Ma. Coney M. Contreras Polytechnic University of the Philippines, Open University System (PUP OUS)		
	2. The Quality of Parents and Teachers Association Activities in the Division of Quezon: Basis for a Proposed Policy Enhancement		
	Marlon O. Alba Polytechnic University of the Philippines, Open University System (PUP OUS)		
	3. The Narrative Experiences of Special Education and Receiving Teacher		
Session A Room: 1608	Lian Andrada-Alvarez Polytechnic University of the Philippines, Open University System (PUP OUS)		
	4. Information Management of Overseas Public Broadcasting Services		
	<b>Dr. Jutatip Chanlun</b> Faculty of Arts, Silpakorn University, Thailand.		
	5. Information Sources of Peranakan Ethnic Group in th Five Provinces of the Andaman Sea, Thailand Piyakan Nooprakob	е	
	Ph.D. candidate, School of Liberal Arts STOU, Thailand		
	6. Opinions of the Craftsmen and Manufacturers on Brand Identity and Marketing Communication of Sakon Nakorn Indico Dyed Fabric Jiraphat Roemsri Ph.D. candidate, Chamber of Commerce		
	University, Thailand		

#### 10:45 am-12:00 pm

<b>RESEARCH PRESENTATIONS</b>	(Morning	g Session)
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	Se	ssion Chair: Dr. Benilda Eleonor V. Comendado
		Academic Program Head and
		Program Chair of Master in
		Information Technology, Polytechnic
		University of the Philippines, Open
		University System (PUP OUS)
	1.	Rapid Construction Method in the Philippine
		Construction Industry
		Joseph Raniel A. Bianes & Guillermo O.
		Bernabe
		Polytechnic University of the Philippines,
		Open University System (PUP OUS)
	2.	Practices of School Based Management
		Implementation in the Division of Quezon: Basis
		for a Proposed Benchmarking Plan
		Mary Zenas B. Sevilla
		Polytechnic University of the Philippines,
с <b>.</b> р		Open University System (PUP OUS)
Session B Room: 1608/1	3.	Work Motivation and Job Satisfaction of School-
K00III. 1008/1		Based Finance Staff in Implementing Unit Schools
		of DepEd Division of Quezon: Basis for a
		Proposed Training Enhancement Program
		Joji D. Robedillo
		Polytechnic University of the Philippines,
		Open University System (PUP OUS)
	4.	The Stakeholder Needs and Requirements for
		Community-Based Research System of Rajabhat
		University Northeastern Group, Thailand
		Charuwan Limphaiboon
		-
		Ph.D. candidate, School of Liberal Arts
	5.	STOU, Thailand
	5.	The Effect of Nursing Handoff Communication
		Online Lesson with ISBAR for Nursing Students
		Dr. Churairat Duangchan
		Prachomklao College of Nursing,
		Phetchaburi province, Thailand

Session B Room: 1608/1	6. Administrative Operation Based on the Social Engagement in Higher Education Institutions: A Case Study of Chiangmai University and Rajabhat University Uttaradit Thitiphat Limsumlitnipa Ph.D. candidate, Chamber of Commerce University, Thailand
12:00 pm	LUNCH BREAK
1:00 pm-2:45 pm	RESEARCH PRESENTATIONS (Afternoon Session)
	Session Chair: Dr. Chirabodee Tejasen
	M.A. Information Science Program,
	School of Liberal Arts, STOU, Thailand
	1. Readiness of Regular Teachers in the
	Implementation of Inclusive Education on K-12
	Curriculum: Basis for Program Development
	Sharon B. Gregorio
	Polytechnic University of the Philippines,
	Open University System (PUP OUS)
	2. Level of Mathematics Anxiety of Grade Six Pupils
	in the Division of Quezon City
	Leah Fe B. Basan
Session A Room: 1608	Polytechnic University of the Philippines, Open University System (PUP OUS)
	3. Work Stressors and their Manifestations Among the
	Public Secondary School Teachers in the District
	of General Mariano Alvarez: Basis for a Proposed
	Work-Life Balance Program
	John Lester A. Tadena
	Polytechnic University of the Philippines,
	Open University System (PUP OUS)
	4. Records Management for Internal Audit of Thai
	State Enterprises
	Wantani Traipachkomen
	Ph.D. candidate, School of Liberal Arts
	STOU, Thailand

	5. Undergraduate Students ' Information Literacy
	Promotion through Collaboration: A Case of
	Rajabhat Universities
	Praima Hiangrat
	Ph.D. candidate, School of Liberal Arts
	STOU, Thailand
	6. Information Sharing of Educational Instructors
Session A	of Rajabhat Universities
Room: 1608	
	Wanida Narethorn
	Ph.D. candidate, School of Liberal Arts
	STOU, Thailand
	7. A Preliminary Study of Data Practices of Rice
	Researchers in Thailand
	Jirawan Sriwong
	Ph.D. candidate, School of Liberal Arts
	STOU, Thailand
	8. Using Digital Tools to Develop Digital Literacy
	Skills in Rajabhat University
	Pisut Srichan
	Ph.D. candidate, School of Liberal Arts
	STOU, Thailand
	Session Chair: Dr. Marisa R. Baybay
	Director, Polytechnic University of
	the Philippines, Open University
	System (PUP OUS) Sta. Maria
	1. The Governance Operation System of Locally
	Funded Campuses of the Polytechnic University of
	the Philippines: Basis for a Proposed Enhancement
Session B	Program <b>Rufo N. Bueza</b>
Room: 1608/1	Polytechnic University of the Philippines,
	Open University System (PUP OUS)
	2. The Impact of In-Service Training on Teachers and
	Administrators in the Division of Quezon: Basis for
	a Proposed Enhancement Program
	Guiriruela, Elmar P.
	Polytechnic University of the Philippines,
	Open University System (PUP OUS)

	3.	Health and Fitness Management for Teachers & Students
		Emmelyn L. Hernandez
		Polytechnic University of the Philippines,
		Open University System (PUP OUS)
	4.	Management of the Preservation Information
		Resources in Rajabhat University libraries
		Aphaporn Wanna
		Ph.D. candidate, School of Liberal Arts
		STOU, Thailand
	5.	Electronic Book Usage Behaviors of Graduate in
		Humanities Students in Public Universities
		Komdech Boonprasert
Session B		Ph.D. candidate, School of Liberal Arts
Room: 1608/1		STOU, Thailand
	6.	Promotion of the Digital and Information Literacy
		to Primary School Students in Kanto Prefecture,
		Japan: Preliminary Findings
		Nattawadee Boonwattanopas
		Ph.D. candidate, School of Liberal Arts
	7	STOU, Thailand
	7.	The Competency Development on Health Strategy
		Planning in Thailand 4.0 for Nurse Leaders
		<b>Dr. Urairach Boontae</b> Phetchaburi Provincial Public Health
		Office, Thailand
	8.	Cultural Competency Development for Nurses at
	0.	Samut Sakhon Hospital
		Piyachat Sujaritthum
		Master's student, School of Nursing
		STOU, Thailand
	Mode	erator: Assistant Professor Dr. Songlak
		Sakulwichitsintu
		Ph.D. Information Science Program,
		School of Liberal Arts, STOU
		Assistant Professor Dr. Lugsamee
		Nuamthanom Kimura
		English Program
		School of Liberal Arts, STOU

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2:45 pm-3:00 pm	COFFEE BREAK	
3:00 pm-3:30 pm	OPEN FORUM	
	Session Chairs	
	Moderator: Dr. Rosemariebeth R. Dizon	
	Director, Institute of Open and	
	Distance Education, PUP OUS	
	Mr. Andrew C. Hernandez	
	Chief, Center for Accreditation,	
	Research and Extension,	
	PUP OUS	
3:30 pm-4:30 pm	CLOSING CEREMONY	
Awarding of Certificates		
Closing Remarks		

Assistant Professor Dr. Lugsamee Nuamthanom Kimura

English Program, School of Liberal Arts, STOU Master of Ceremonies

#### Open and Distance Learning in Information Science at a Residential University

Archie L Dick, Ph.D. Professor and Head of Information Science Department, University of Pretoria, South Africa

#### Abstract

This paper discusses the Carnegie-funded Master's degree in Information Technology (MIT) programme by course work and a mini-dissertation. The programme commenced in 2010 and ended in 2017. It was a blended-learning programme offered by the Department of Information Science at the University of Pretoria, in South Africa. Contact and distance learning methods in twelve modules, followed by a mini-dissertation on a relevant topic, addressed ICT skills shortages in university libraries in Sub-Saharan Africa. The programme intended also to develop the knowledge and teaching skills of academic staff in South Africa and other African countries and partner institutions in the United States. The MIT continues today as a self-funded distance learning programme with the benefit of lessons learned and a revised curriculum. The paper reviews its achievements and challenges.

**Keywords:** LIS open and distance learning, residential university, Africa, ICT curriculum.

#### **DOAJ Seal Guidelines for Library and Information Science Journals**

Namtip Wipawin, Ph.D. Associate Professor and Dean, School of Liberal Arts Sukhothai Thammathirat Open University, Thailand

#### Abstract

Less than 10 percent of Journals in the Directory of Open Access Journals (DOAJ) have been awarded the DOAJ Seal, a mark of certification for open access journals awarded by the DOAJ to journals that achieve a high level of openness with high publishing standards. The seven criteria for journals to apply for the DOAJ Seal are an archival and preservation arrangement with an external party, to provide permanent identifiers in the published content such as DOIs, to provide article level metadata to DOAJ, to embed machine-readable licensing information in article level metadata, to allow reuse and remixing of content, to have a deposit policy registered in a deposit policy directory and to allow the author to hold the copyright without restriction. This article will analyze library and information science journals in the DOAJ which have been awarded the DOAJ Seal, which sets the guidelines for high standard journals.

Keywords: Open Access Journal, DOAJ Seal of approval guidelines

#### Employers' Perception on Quality of the Postgraduates of Sukhothai Thammathirat Open University

Sumalee Sungsri, Ph.D. Professor, School of Educational Studies Former Director, Office of Educational Services Sukhothai Thammathirat Open University, Thailand

#### Abstract

The objectives of the study were : 1) to study opinions and satisfaction of the employers on the quality of STOU postgraduates in 5 aspects of knowledge and skills: foundation skills, professional competencies, personal attributes, enterprise/ business/organizational skills, and technical/domain-specific knowledge and skills; and 2) to identify suggestions of the employers for improving quality of the postgraduates. The research sample was 350 employers of the postgraduates from every schools of Sukhothai Thammathirat Open University. The research instruments used were a questionnaire and a structure interview form. The data were analyzed using the frequency, percentage, mean, standard deviation, and content analysis.

Results of the study showed that 1)The employers agreed that 5 of knowledge and skills (foundation skills, professional groups competencies, personal attributes, enterprise/ business/organizational skills, and technical/domain-specific knowledge and skills) both overall and each item were highly important to the postgraduates' work. The group of knowledge and skills which were rated more important than the other groups were personal attributes and professional competencies, respectively. The employers were highly satisfied with knowledge and skills possessed by the English speaking excepted; English postgraduates, writing and comprehension skills in the group of foundation skills were satisfactory at a moderate level. 2) Suggestions from the employers to improve the quality of the postgraduates included types of knowledge and skills which should be improved among the postgraduates and methods and media to be employed for improvement.

Keywords: employers' perception, quality of postgraduates

#### The Digital Challenges for STOU ELT

Alisa Vanijdee, Ph.D. Associate Professor, School of Liberal Arts, Sukhothai Thammathirat Open University, Thailand

#### Abstract

The digital challenges for STOU-ELT lies in curriculum challenges, course delivery challenges and methods of evaluation. These aspects have to be studied in light of digital challenges in this disruptive technology. STOU has been offering 10 ESP programs and a B.A. in English program with a high number of registration. Originally, it has adopted the distance learning system with printed material and earlier audio-visual, television programs to support self-learning. Later, it adopted computer-assisted education to provide CDs and other electronic materials to support the learning. Since 2009, when a B.A. in English was first offered online, STOU has adopted online learning using standard platforms to interact and communicate with students. Also, the assignments and formative evaluation is performed. The ongoing challenges include the performance of the learner and teacher, learner autonomy, learning styles and preferences, team learning challenges, plagiarism prevention, use of English in real life challenges, with the technological challenges at the utmost. Technological challenges have doubled in the digital era. Digital technology can help fix the limitations in learning at a distance and emphasize learner autonomy. The university needs to invest in infrastructure and instructors to be able to exploit such opportunities.

Keywords: ELT, digital challenges

#### Students' Behaviors and Teachers' Classroom Management Strategies at Public Secondary Schools in Lemery District

Ma. Coney I. Macalintal-Contreras

#### Abstract

This study aimed to find out behaviors of students shown inside the classroom and the classroom management strategies used by the teachers and to determine significant relationship of the behavior shown by the students with the classroom management strategies used by the teachers. This include 183 public secondary school teachers in Lemery District which was selected using stratified random sampling procedures. Questionnaires were used as the major tool of the study.

Results revealed that "Participates actively in class discussion and other learning activities" was most shown proper behavior of students. The most disruptive behavior of students was "Begins answering before the question finishes". The most useful classroom management strategies by teachers was "Coach proper behaviors among students like helping, sharing etc. The classroom strategies used by the teachers for disruptive behavior was "Call parents attention to report bad behavior. The findings revealed that the observed behavior shows significant relationship to the dependent variable.

The students lack proper study habits and are less aware of proper conversation with their peers or teachers thus, failed to control their noise even during classes. Coaching positive social behavior is more prominent among classroom management strategies. Teachers call parents attention to report misbehavior of their students.

Keyword: students' behaviors, teacher's classroom management, public secondary school

#### The Quality of Parents and Teachers Association Activities in the Division of Quezon: Basis for a Proposed Policy Enhancement

Marlon O. Alba Dr. Adelia R. Roadilla

#### Abstract

This research study identified the quality of parent and teacher association activities, the problems encountered and a proposed policy enhancement for the Fourth Congressional District of Quezon. This utilized a qualitative descriptive survey and evaluative method to the responses of 456 teachers and 91 GPTA officers chosen through a convenient sampling among the 10 districts and who responded to a validated questionnaire. From the result of this study, the researcher found out that most of the respondents were married female teachers in a nuclear family and with a monthly salary of between PHP 5,000 - 10,000. It was also found that parents and teachers need GPTA, composed of the stakeholders, working together in harmony, transparency and open communication with equal work and acknowledgement of their children's performances. The majority fairly agrees that there is a felt problem in GPTA activities. There were varying points in the interview of GPTA activities as to quality. The policy enhancement program was focused on the three least indicators in each aspect and challenge. It was recommended to hire younger teachers and elect younger GPTA officers, emphasize various and effective communication and capacity building and utilize the proposed policy enhancement where GPTA is allowed to create its own activities.

Keywords: Parent and Teachers Association, proposed policy enhancement, effective communication, GPTA activities

#### The Narrative Experiences of Special Education and Receiving Teacher in Inclusive Setting

Lian Andrada-Alvarez Associate Professor Lizyl R. Rebusquilo

#### Abstract

This study narrated the experiences of the receiving teachers and SPED Teachers in Inclusive Setting through the guided interview. It is qualitative in nature, specifically phenomenological research. The study sought to describe the factors by answering the statement of the problem : difficulties in handling Learners with Special Educational Needs (LSEN), Teacher's Management of LSEN, Training needed by Receiving Teachers in an Inclusive Education, Teacher's motivation or reason, Receiving teacher and SPED teacher's teamwork or collaboration, Salient experiences of Teacher in an inclusive education. Individual Interview Method was used to gather data.

After conducting interviews, six succeeding themes came out on the answer of the participants : Train to Receive, Connecting the Lines, Handle with Care, The end justifies the mean, Communicate to Educate, Teacher's Parent-Like Love.

Thus, the result of the interviews formulated a proposed program development which will be helpful in implementing the inclusive education successfully. It suggested to provide supportive seminars, activities and trainings to widen the awareness of inclusive education which will be beneficial for the receiving teachers, schools and other stake holders of the community

Keywords: inclusive setting, SPED teachers, receiving teacher, proposed program development

#### Information Management of Overseas Public Broadcasting Services

Dr. Jutatip Chanlun

#### Abstract

The objective of this study was to explore information management of overseas public broadcasting services with respect to information policy, information management standards, and news information management units. The population used was 6 overseas public broadcasting services namely, BBC, ABC, PBS, NHK, CBC, and YLE. Qualitative data was recorded and content analysis was used to analyze the data.

The key findings were that overseas public broadcasting services have documented information policies. All of the stations have information management standards or standards for cataloging, such as Metadata Production Framework and Metadata Editor of NHK, PBCore (Public Broadcasting Metadata Dictionary Project) of PBS or Records management standards of the BBC. Therefore, they all have News Information Management Units responsible for storage, preservation, and information services. In addition, all public broadcasting services have their own library, archive, and museum with open access to provide storage, preservation and holistic information services.

Keywords: information management, public broadcasting service

## Peranakan Ethnic Group Information Sources in the Five Provinces of the Andaman Sea, Thailand

Piyakan Nooprakob Professor Dr. Chutima Sacchanand Associate Professor Dr. Jantima Kheokao

#### Abstract

This research aimed to study the status of the Peranakan Ethnic group information sources in the five provinces of the Andaman Sea, Thailand. Documentary research and field surveys were conducted and documentary coding forms were used to collect data. Frequency distribution and percentages were used to analyze the quantitative data, while content analysis was used to analyze qualitative data. The results were as follows: 1) Peranakan ethnic group information found in the form of printed information included research, theses, research articles, and academic articles. Audiovisual material included photographs, models, and archived documents. Digital media included databases and electronic documents. The scope of content covers the following: 1) History traditions, food costumes and architecture. 2) The Peranakan Ethnic Minorities information sources in the five provinces of the Andaman Sea included 3 libraries, 6 museums, 1 archive, 5 Provincial Cultural Offices, 2 associations and clubs, 4 private houses and 11 important local people who are primary sources.

Keyword: Peranakan information sources, Peranakan information

#### Opinions of the Craftsmen and Manufacturers on Brand Identity and Marketing Communication of Sakon Nakhon Indico Dyed Fabric

Jiraphat Roemsri Associate Professor Dr. Jantima Kheokao

#### Abstract

This quantitative research aimed to study brand identity and marketing communication of Sakon Nakhon indigo dyed fabrics. Data from questionnaires of 320 craftsmen and manufacturers of indigo dyed fabric who registered with the Department of the Department of Community Development, Sakon Nakhon Province during 2014 – 2018 were analyzed using descriptive statistics, frequency, percentage, mean, and standard deviation.

1. Based on Aaker's brand identity model it was found that: (1) as a product Sakon Nakhon indigo dyed fabric is comfortable to wear with good ventilation properties and does not cause damp odor (2) as organization, the craftsmanship of Sakon Nakhon indigo dyed fabric reflects an ability to preserve and sustain local wisdom, (3) as a person, wearing Sakon Nakhon indigo dyeing fabric indicates that he/she cares for the environment and is interested in the local culture and (4) as a symbol, Sakon Nakhon indigo dyed fabric reflects the senses of nature and culture of each community in the province.

2. The manufacturers and craftsmen of indigo dyed fabric in Sakon Nakhon used the following marketing communication tools: brochures, souvenirs products, community events, open houses to the community, and product displays. Online media such as Facebook, Line and the telephone were also used.

Keywords: brand identity, marketing communication, indigo dyed fabric

#### **Rapid Construction Method in the Philippine Construction Industry**

Joseph Raniel A. Bianes & Guillermo O. Bernabe

#### Abstract

The primary purpose of this study was to evaluate the level of implementation of Rapid Construction Method in the Philippine Construction Industry as perceived by the respondents when grouped according to their such as age, sex, role/position in construction, and length of experience. This study used as respondents the forty-one (41) construction companies serving as contractors of government sponsored public construction projects located and has ongoing project in Metro Manila. Structured questionnaire was used to collect data based on the following indicators: automation equipment, information technology, innovative management, and innovative material. Majority of respondents were predominantly male, in the age range of 31-40, with 6-10 years of experience, and were Project Engineer and Project Architect. Results showed that when the respondents were grouped according to profile, the respondents assessed the level of implementation of rapid construction as Innovative Management and Innovative Material were Fully Implemented while Automation Equipment and Information Technology were implemented. When grouped according to sex, there is no evident significant difference on Innovative Management and Innovative Material while there is a significant difference on Automation equipment and Information Technology. When grouped according to age and role in construction, there is no significant difference on all the four (4) indicators of rapid construction method such as Automation equipment, Information Technology, Innovative Management, and Innovative Material. When grouped according to the length of experience in construction, there is no significant difference on Automation equipment, Innovative Management, and Innovative Material while there is an evident significant difference on Information Technology.

### **Keywords:** innovative management, innovative material, rapid construction method

#### Practices of School Based Management Implementation in the Division of Quezon: Basis for a Proposed Benchmaking Plan

Mary Zenas B. Sevilla Dr. Rufo N. Bueza

#### Abstract

This research study found out the quality and practices of school- based management implementation in the Fourth Congressional District of Quezon. This utilized the mixed research method, wherein the data needed were gathered using a survey questionnaire and structured interview. There were 16 school heads, 125 teachers, and 237 GPTAs who served as the respondents and were chosen using availability sampling. The majority of teachers and school head respondents were 41-50, while the majority of GPTA respondents were 31-40. Most of the school head respondents were MA graduates, teacher respondents were bachelor's degree holder, and GPTA respondents were also bachelor's degree holders. Findings revealed that the respondents agreed on the quality of SBM implementation in selected schools. The practice of SBM implementation in school for the school head, teacher, and GPTA respondents resulted in indicator 2 "Internal Stakeholders" as the highest in rank and the lowest was indicator 5 "Schoolbased Resources." As to its general weighted mean, the implementation of school- based management in school was observed. The respondents who were interviewed gave different perspectives about the challenges met in the SBM implementation in the selected schools.

Keywords: school-based management, benchmarking plan

#### Work Motivation and Job Satisfaction of School-Based Finance Staff in Implementing Unit Schools of DepEd Division of Quezon: Basis for a Proposed Training Enhancement Program

Joji D. Robedillo Dr. Rufo N. Bueza

#### Abstract

Though the function of the Department of Education (DepEd) is to govern the Philippines' system of basic education, DepEd also has non-teaching employees aside from the school administrators who provide support Apparently, the attention is always on the teaching-related services. personnel, specifically on the programs on development interventions and relevant trainings. Moved by this contention, the researcher intended to investigate the level of motivation and job satisfaction of the school-based finance staff of Implementing Unit Schools (IUs) of DepEd Division of Quezon. Quantitative research method was used in the conduct of this study. The design employed was descriptive and comparative. In addition, a researcher-made questionnaire was used as the main data gathering tool. The study found out that the respondents are generally motivated and satisfied and concluded that there is significant difference both in the level of motivation and job satisfaction when the respondents are grouped according to demographics. The study also identified the looming challenges that the finance staff were facing in their everyday work. These findings can serve as a basis for solutions in the improvement of the finance staff through a proposed Human Resource Development Plan.

Keywords: work motivation, job satisfaction

#### The Stakeholder Needs and Requirements for a Community-Based Research System of Rajabhat University Northeastern Group, Thailand

Charuwan Limphaiboon

#### Abstract

The purpose of this research was to study the stakeholder needs and requirements for community-based research system of Rajabhat University Northeastern Group. This research has conducted a study of Rajabhat University Northeastern Group from 11 universities, selected only 2 universities, Nakhon Ratchasima Rajabhat University and Rajabhat Mahasarakham University by considering universities that have outstanding community-based research and universities that have outstanding research data management. The study used qualitative research methodology by indepth interviews with eighteen experts in the three stakeholder groups. Data was analyzed by using inductive content analysis.

The main research findings are the following needs and requirements: 1.) The University should have clear policy and planning, both short-term and long-term plans for managing community-based research data. 2.) The university should have a strategic management and action plan to promote and develop community-based research of the university. 3.) The university should give importance and take action in collecting and storing the research that is in progress, which is the research data in the area since the beginning of the research process, during research operation, and a complete systematic research report in the form of a digital file database that allows researchers and stakeholders to easily access and use. The results of this study can be used as a guideline for designing a research management systems for community-based research of the Rajabhat University Northeastern region.

#### Keywords: community-based research system, Rajabhat University Northeastern Group

#### The Effect of Nursing Handoff Communication Online Lessons with ISBAR for Nursing Students

#### Churairat Duangchan

#### Abstract

Nursing programs were expected to graduate practice-ready nurses who demonstrated quality and safety in patient care, which included nursing handoff communication. This quasi-experimental research aimed to evaluate the effect of online lessons for promoting nursing students' handoff communication (PNSHC). This research was divided into 2 phases; (1) Developed online lesson for PNSHC based on ISBAR technique and verified by five experts, and (2) Evaluated the effect of online lessons. The sample included twenty-four nursing students. The nursing students' handoff communication competency (NHCC) questionnaire was used for data collection. Data were analyzed by descriptive statistics and one-way repeated ANOVA.

The major results revealed: 1) Online lessons for PNSHC comprised three steps of learning and teaching processes 2) Learner preparation: Students were orientated and completed pre-tests 3) Learning and reflection: Students learned ISBAR theory and clinical practice with a deliberate practice-based training protocol 4) Evaluation was conducted by using the NHCC questionnaire 5) The mean scores of NHCC were significantly different between before and after receiving online lessons and follow ups (F = 61.81, p = .000). The content analysis revealed nursing students realize that the nursing handoff communication with ISBAR made them more concerned about the importance of effective nursing communication, knowledge improvement with self-directed learning, and confidence enhancement. These findings indicated that online lessons with ISBAR communication was useful in developing NHCC. However, it should be created with suitable scenarios and consistent with the course or contexts used for nursing handoff communication and meet the needs.

### Keywords: nursing handoff communication, nursing students, online lesson, ISBAR

#### Administrative Operation Based on the Social Engagement in Higher Education Institutions: A Case Study of Chiangmai University and Rajabhat University Uttaradit

Thitiphat Limsumlitnipa Associate Professor Dr. Jantima Kheokao

#### Abstract

This qualitative research aimed to study the university's administrative operation based on the social engagement concept in term of philosophy and purposes, process and people. Data from in-depth interviews of 16 key informants from Chiangmai University and Rajabhat University Uttaradit were content analyzed. The findings were as follows: 1) It was found that both universities had a similar philosophy: to be a university for the community, a leader for area-based change and issue management, and continuously communicate their vision, purposes and activates to their stakeholders. 2) Regarding the administrative process to boost social engagement projects, the universities facilitating fund raising and encouraging internal coordination among internal units, and encourage knowledge transfer to the community. 3) Special teams to handle social engagement projects were set up based on the concept of interdisciplinary and synergistic contribution from instructors, supporting staffs, students, and community members.

Keywords: social engagement, higher education institutions

### **Readiness of Regular Teachers in the Implementation of Inclusive Education on K-12 Curriculum: Basis for Program Development**

Sharon B. Gregorio Dr. Rosemariebeth R. Dizon

#### Abstract

This study assessed the readiness of regular teachers in the implementation of inclusive education on K-12 curriculum in three (3) elementary public schools of District 10 Schools, Division of San Jose del Monte.

The researcher used the descriptive method, utilizing a researchermade questionnaire as its research instrument, which is based on the role of regular teachers enclosed in DepEd Order No. 72 series of 2009 Inclusive Education as Strategy for Increasing Participation Rate of Children, and other reading materials about inclusive education. Three (3) well – respected individuals who are experts in the area of special education programs and inclusive education validated the instrument.

Results of the study revealed that regular teachers are ready in terms of knowledge and understanding of their roles as implementers of inclusive education as well as in terms of abilities and skills. They are moderately ready in terms of attitudes and beliefs towards handling inclusive education. Based on the T-test and ANOVA, the perceptions of the respondents on their readiness about inclusive education when grouped according to age, sex, and number of years in teaching service are not significantly different in areas of knowledge and understanding, attitudes and beliefs, and skills and abilities since the P-values are all greater than the assumed level of significance of 0.05.

In terms of earned units in special education, the perceptions of the regular teachers on areas of knowledge and understanding and skills and abilities are still not significantly different while for attitudes and beliefs with computed P-value of 0.013 less than the assumed level of significance of 0.05, the null hypothesis is rejected.

Keywords: inclusive education, program development

#### Level of Mathematics Anxiety of Grade Six Pupils in the Division of Quezon: Basis for a Strategic Intervention Program

Leah Fe B. Basan, Rogel L. Limpiada

#### Abstract

The current research study determined the demographic profile of grade six pupils, their mathematics anxiety level, contributing factors as well as the acceptability and usability level of the proposed intervention program. It employed a descriptive research design using a survey questionnaire distributed to the 391 randomly chosen grade six pupils. Results of the study revealed that: the majority of the respondents were male, with a monthly family income of below 10,000, got an average of fairly- satisfactory in their grade 5 mathematics class, and have mathematics books at home; worry a little in mathematics; and fairly agreed that the student- related factors is a contributing factor while the teacher- related and learning environment are not a contributing factor because the respondents disagreed to both; and the developed strategic intervention program was acceptable. The researcher recommends to make communication a significant strategy to teach mathematics without anxiety and to make mathematics materials available in classrooms. It is further suggested to use the intervention program developed.

Keywords: mathematics anxiety, strategic intervention program

#### Work Stressors and Their Manifestations Among Public Secondary School Teachers in the District Of General Mariano Alvarez: Basis for a Proposed Work-Life Balance Program

John Lester A. Tadena Associate. Professor Lizyl R. Rebusquillo

#### Abstract

The main purpose of the study is to examine the work stressors and their manifestations among the public secondary school teachers in General Mariano Alvarez, Cavite. Specifically, it sought to determine the teachers' profile such as age, sex, religion, position/rank, highest educational attainment and years of teaching experience, work stressors and stress manifestations. It also tested if there is significant difference between the work stressors and stress manifestations when grouped according to the profile of the respondents.

This is a descriptive type of study. A total of 208, from the total population of 435 respondents were selected using stratified random sampling.

A standardized questionnaire was utilized to gather the data needed.

The study revealed that the teachers in the District of General Mariano Alvarez, Cavite, are mostly 29 years old and under, female, Catholic, have Teacher I status, have units in a master's degree program and have teaching experience of 10 years and below.

Results of the study also revealed that the respondents described the teachers' assessed work stressors as moderately noticeable, particularly when it comes to time management and work-related stressors. When it comes to stress manifestations, the respondents expressed that fatigue manifestations are moderately noticeable. Furthermore, the researcher proved that there is no significant difference between the respondents' assessed work stressors and stress manifestations when grouped according to age, religion, current position/rank, highest educational attainment and years of teaching experience. However, there is a significant difference between the respondents' assessed work stressors when grouped according to sex. Compared with their female counterparts, male respondents have greater concern with work stressors and have higher stress manifestations.

Keywords: work stressors, stress manifestations, work-life balance program

# **Records Management for Internal Audit of Thai State Enterprises**

Wantani Traipachkomen

#### Abstract

Internal auditing of Thai State Enterprises is an important function for monitoring and assuring organizations. Internal audits provide independent assurance that an organization's governance, risk management, and internal control processes are operating effectively. Records are important internal audit resources. They are created, received and maintained by an organization, and kept as evidence for legal obligations. Records are created as part of individual audit engagements and in the planning and control of internal audit work. Internal audits are unlikely to function effectively without good records. Managing vital records is a part of an overall record management program. This study aims to identify records management for Internal Audit of Thai State Enterprises and review the literature on records management.

Keywords: records management, internal audit, Thai state enterprises

# Undergraduate students ' information literacy promotion through collaboration: A case study of Rajabhat universities

Praima Hiangrat

# Abstract

Information Literacy (IL) is a core competency of students in higher education in the 21<sup>st</sup> century. In Thailand, the students of Rajabhat Universities have been reportedly held at moderate to low IL levels. Several studies indicated that collaboration is an important strategy to successfully promote information literacy. Thus, the researcher is interested in adopting a collaboration strategy to promote information literacy for undergraduate students. This study reports as part of a doctoral dissertation entitled "The development of information literacy promotion model for Rajabhat University libraries". The objective of the research was to study undergraduate students ' IL promotion through collaboration: A case study of Rajabhat universities. The data collection instrument was an instruction interview, the key informants includes 10 library directors and 10 faculty members, selected by purposive sampling. Qualitative data was analyzed using a deductive method with preset coding scheme.

The research results showed that the often-used strategy to enhance information literacy for undergraduate students was though librarian – faculty member collaboration. Two aspects of collaboration included information instruction and library information resources development. Librarians were invited to be guest lecturers on IL-related topics. It is recommended that librarians must develop their roles to be able to instruct users and put IL as a first priority. In addition, they should cooperate with faculty members in developing students to be more information literate.

Keyword: information literacy promotion, Rajabhat universities, collaboration.

# Information Sharing of Educational Instructors of Rajabhat Universities

Wanida Narethorn

#### Abstract

This research is aimed at studying the state of information sharing of educational instructors in Rajabhat Universities. The samples of research were 392 educational instructors in Rajabhat Universities. The tool used to collect the data was a questionnaire. The results were analyzed with percentages, averages, and standard deviation.

The findings showed that: 1) the manner of information sharing of educational instructors in Rajabhat Universities as a whole were at moderate level. Considering each aspect, it was found that the aspect of benefits from information sharing were at the highest level in self-development (academic, professional, and social; while according to the environment, it was found that the information sharing within the Faculty of Education in Rajabhat Universities as a whole was at a high level. The highest level is the aspect of the purpose to share information for instructional performance. 2) Factors contributing to the information sharing of educational instructors in Rajabhat Universities as a whole were at a high level. Considering each aspect, it was found that the aspect of ethical and professional ethics were at the highest level, especially ethics related to technology.

Keywords: information sharing, educational instructors

# A Preliminary Study of Data Practices of Rice Researchers in Thailand

Jirawan Sriwong Associate Professor Dr. Namtip Wipawin Professor Dr. Onanong Naivikul Dr. Aree Thanyakijjanukij

#### Abstract

Rice research data is the data which is generated when the rice researchers execute any research projects. Most academic studies reported that the researchers need support in Research Data Management (RDM) training when they have difficulties in research data management in many aspects. The objective of this preliminary study is to survey data practices of rice researchers in Thailand in order to find out how rice researchers handle and use their data, and any difficulties occurred due to research data management. The findings will be used to develop research data service that suited rice researcher's needs.

This preliminary study employed qualitative methods, with in-depth interviews of 26 rice researchers in 9 rice research centers and universities. The instrument used was structured interviews. Interviews were audio recorded by permission from the informants. Researchers transcribed the recordings and performed a content analysis. The preliminary result found that rice researchers in Thailand use data that is non-digital and digital, which were collected by hand with lab notebooks or generated by machines. Data collection stages were involved with many people such as researchers, assistants, office clerks, and farmers. Most of the data were processed in the spreadsheet format which are applicable for data analysis with any statistics program. Rice researchers reuses their data for other projects and shared their data with other researchers in the same organization.

Keyword: data practices, rice researchers

# Using Digital Tools to Develop Digital Literacy Skills in Rajabhat University

Pisut Srichan

#### Abstract

Digital literacy is recognized as a set of basic skills required for working with digital media and social networks for the creation and sharing of knowledge, and the ability supports a wide range of professional computing skills, information processing, and retrieval. Therefore, digital literacy skills should be embedded in the university curriculum and instruction. Information access by using ICT has become central in everyday life as people live in a knowledge society in which multiple sources of information from a variety of media forms are ubiquitous. University learners can benefit from guidance provided by a tool that assists learning when a student has trouble using digital platforms and digital tools. Literature reviews found that the digital tools to develop digital literacy skills for learners are multi-platform competency, such as online inquiry, social networking, and e-learning. Rajabhat University has a mission to develop students' skills in ICT. The important methods to develop digital literacy skills are using digital tools in ICT curricula such as hardware (personal computers, tablets, smartphones, network devices), software (operating systems, Microsoft Office, graphic design software, utilities, mobile applications), search engines, websites, email programs, or online resources that can make tasks easier to complete. A lot of these can be accessed in web browsers and access them from both at home and in the university for developing digital literacy skills by ICT training, ICT competency tests, and digital literacy classes.

Keywords: digital literacy skills, digital tools

#### The Governance Operation System of Locally Funded Campuses of the Polytechnic University of the Philippines: Basis for a Proposed Enhancement Program

Dr. Rufo N. Bueza

#### Abstract

This study purported to determine how the governance system, including its funding, is being done and carried out by each of the local chief executives of local government units in terms of school administration and facilities, such as library and laboratory, curriculum and instruction, research, extension and community service, maintenance and other operations of the locally-funded PUP campuses as well as the teaching and non-teaching personnel development programs. It also aimed to characterize and assess the present status and set up all locally-funded PUP Campuses which can serve as a model for all other LGU-funded schools in the Philippines in carrying out the mission, vision and philosophy of the University in each campus toward complementing and achieving the goals and objectives of the concerned local government unit in as far as franchising or funding a higher educational institution is concerned.

The researcher utilized combined quantitative and qualitative research methods to attain the purposes of the study. The descriptive method was used to gather quantitative information through a validated questionnaire accomplished by 214 respondents from the 13 PUP locally-funded campuses in Luzon. Documentary analysis was employed using secondary data from the Office of the Branches and Campuses to reinforce and substantiate the data obtained from the questionnaires. Scheduled interviews of some experts and authorities in the field of education as well as focused group discussion with the directors of locally-funded campuses were conducted to validate the survey results. Statistical tools used in data analysis included frequency and percentage distributions, weighted mean, F-Test One-Way ANOVA, and ranking.

The researcher recommends a comparative study of the locallyfunded campuses to be able to determine the intercomparability value of being a locally-funded school and perhaps a revisit of the existing memorandum of agreement.

Keywords: governance operation system, enhancement program

# The Impact of In–Service Training on Teachers and Administrators in the Division of Quezon: Basis for a Proposed Enhancement Program

Elmar P. Guiruela Dr. Rufo N. Bueza

#### Abstract

This research undertaking sought to find the demographic profile of the respondents, common objectives of in-service training in teaching practices and professional growth, its impact to teachers and school heads, problems encountered, and the proposed enhancement program. This utilized the descriptive research method, wherein the data needed were gathered using a researcher-made survey questionnaire validated by the experts. Teachers and school heads composed of 355 served as respondents. The researcher found that the majority of respondents were 41 years old and above, female, with 11 to 15 years in service, and were master's degree holders. In the common objective of In-Set in terms of teaching practices, the integration of ICT was included as one of the strategies and techniques in teaching pedagogy. The conduct of In-Service creates an evident impact in teaching practices, instructional leadership and professional growth that makes it a must to be conducted twice a year. The problems encountered during the In-Service training were evident in the financial resources and contents of the training. The proposed enhancement program of the study implied that all the indicators were all necessary to better implement the training with fewer inadequacies to achieve the desired outcomes. In addition, the researcher enumerated five recommendations addressing the teachers, administrators, organizers, district supervisors, and Division of Quezon to better improve the quality of the conduct of In- Service training as part of the professional development of both teachers and school heads.

Keywords: in-service training, enhancement program

# Health and Fitness Management for Teachers & Students

Emmelyn L. Hernandez

#### Abstract

This study aimed to determine the profile and current health status of the participants in terms of physical fitness, body composition, muscular strength and muscular endurance. The weight and height measurements of the participants in the beginning and after the program implementation and the level of effectiveness after the program implementation as well as the problems encountered during the program. How can these problems be provided solutions? The researcher concluded that the following: The concept of health and fitness management program as possible replacements of exercises for non-active people, as suggested, seems to be a possible alternative.

This research, although limited, was able to show that there is an acceptable level of physical activity involved in Zumba dance exercises and would be a proper starting point and temporary solution for fitness trainings. With the rapid rise of weight related problems, Zumba dance exercise is a suitable substitute to avoid these problems.

It is recommend that a wide range of tests must be used to measure the component of physical fitness. Other physical fitness activities that are enjoyable and interesting to the pupils may be provided to encourage them to do these activities. An effective fitness program including the four components of physical fitness in all schools should be implemented to help improve the health condition of the pupils and teachers because improved health condition will result to improved physical, mental and social activities.

Keywords: health management, fitness management

# Management of the Preservation Information Resources in Rajabhat University Libraries

Aphaporn Wanna Associate Professor Dr. Namtip Wipawin Dr. Malivan Praditteera Assistant Professor Niran Kulthanan

#### Abstract

The purpose of this research was to study the management of the preservation information resources in Rajabhat University Libraries, by collecting data from interviewing 10 executives and 10 workers. The results of the current state of preservation of information resources found that 1) there is no direct policy and strategic planning about the preservation information resources 2) the library is directly responsible for the production, dissemination, and service 3) the personnel responsible for technical and content aspects 4) supporting budget includes the acquisition units and 5) the information resources to be implemented were rare books, university archives, theses, local information, old newspapers, maps, audio visual resources, manuscripts, and primary documents. The factors affecting the management of information resources were effective policy, information technology, budget, and information resources supporting production. The problems and needs found were that there was no clear policy, problems with direct responsibility and staff coordination, inadequate equipment and infrastructure, as well as budget and technical specialists. Rajabhat University libraries should have a master plan with the responsible division in the preservation of information resources, central division of institutes operate for coordination among related division, central database systems collected information resources, plans of budget and investment, plans of personal competency, and cooperation among staff in the university libraries.

Keywords: preservation information resources, Rajabhat University libraries

# Electronic Book Usage Behaviors of Graduate Students in Humanities in Public Universities

Komdech Boonprasert

#### Abstract

The purpose of this paper was to study electronic book usage behavior of humanities graduate students in public universities, in term of frequencies, use time, objectives, use characteristics, equipment to use and place to use. The 298 humanities graduate students from the 9 private universities who use electronic books are selected as the sample of this study.

The result shows that (1) most students use electronic books 2-20 days per month (2) most students use electronic books 1-3 hours per time (3) 40.9% of students use electronic books for academic reasons more than print books, but 56.9% use print books for entertainment more than electronic books (4) 51.4% of students read some content from electronic books more than print books, but 66.2% read all content of books from print books more than electronic books (5) 50.5% of students download some content from electronic books, but 36.7% download only electronic books (6) 41.7% of students search for information from electronic books more than print books (8) most students use electronic books by notebook 2-20 days per month (9) most students use electronic books from their residence 2-20 days per month.

**Keywords:** electronic books, usage behavior, graduate students in Humanities, public universities

# Promotion of the Digital and Information Literacy to Primary School Students in Kanto Prefecture, Japan: Preliminary Findings

Nattawadee Boonwattanopas Professor Dr. Chutima Sacchanand Professor Mitsuhiro Oda

# Abstract

Digital and information literacy (DIL) is recognized by UNESCO as a global issue (UNESCO, 2013). Partnership for 21<sup>st</sup> century learning (2013) noted DIL as a key competency and a basis for lifelong and self-directed learning. Numerous countries noticed the importance of DIL and set it as a national agenda, for instance, the US, the UK, and Singapore. Moreover, the promotion of DIL skills should start at the most basic level of education (Gust von Loh and Henkel, 2014; UNESCO, 2007). Many reports show that Japan has a high level of information literacy. Therefore, the researcher would like to know how Japan implements the digital and information literacy policy to develop primary school students' skills. This research is qualitative research. The researcher interviewed school teachers, university professors, and studied instructions from educational institutions to get information on how they promote and develop digital and information literacy skills to their students.

It was found that the Japanese government promote digital and information literacy and plan to establish this policy in 2020. Schools are keen to promote these skills in their students and started to develop such lessons. They use different methods to promote this literacy to school students based on the prefecture policy and school policy.

Keywords: digital and information literacy, primary school students, Japan

# The Competency Development on Health Strategy Planning in Thailand 4.0 for Nurse Leaders

Urairach Boontae

#### Abstract

The objectives of this research and development were: 1) to assess the competency of nurse leaders on health strategy planning in Thailand 4.0; 2) to create a competency development program of health strategy planning in Thailand 4.0 for nurse leaders; and 3) to evaluate the results when the program was applied. The research was divided into 3 steps; the first stage was to assess the competency of nurse leaders on health strategy planning in Thailand 4.0. The sampling included 25 nurse leaders who had experiences with health strategy planning for at least 2 years. A questionnaire developed by the researchers was evaluated by 5 experts. The content validity and reliability were 0.85 and 0.97, respectively. The statistics-mean and standard deviation were applied.

The results showed as follows: 1) the nurse leaders' competency on health strategy planning in Thailand 4.0 were at a low level (M = 2.07, SD =0.46). 2) The competency development program consists of 4 steps, and takes 8 weeks: (1) preparation and (2) learning and development methods workshops and practical training related to the 8 domains, including data collection from Big Data by STEEP tool, Driving Force, Key Driving Force, End State, Vision, Strategy Planning, Challenge Strategic, and Action Plan (3) following application in the organization, and (4) an evaluation program. 3) After the program was applied, the nurse leaders' competency on health strategy planning in Thailand 4.0 was significantly different than before at .001. The nurse leaders were highly satisfied in attending the program. The competency of nurse leaders on health strategy planning in Thailand 4.0 can be used in training like a workshops for raising the level of knowledge, ability, and enhancing attitudes of nursing leaders, to keep up with the changing trend effectively. When the program will be applied, a participant context and training period should be considered.

# **Keywords**: competency development, nurse leaders, health strategy planning, Thailand 4.0

# Cultural Competency Development for Nurses at Samut Sakhon Hospital

Piyachat Sujaritthum Assistant Professor Dr. Pattaya Kaewsarn Assistant Professor Dr. Pragai Jirojanakul

#### Abstract

The purposes of this research and development were: (1) to study the current situation regarding to the cultural competency of professional nurses in Samut Sakhon Hospital, (2) to develop a cultural competency development program for professional nurses, and (3) to evaluate the developed cultural competency development program. The participants were professional nurses in Samut Sakhon Hospital divided into 2 groups. The first group was 210 nurses acquired by a stratified random sampling to explore current situations. The second group was 41 of these 210 nurses involved in the program who completed a test for the effectiveness of the program. Research tools consisted of 2 categories: 1) cultural competency development program and 2) cultural nurses competency questionnaires. Its content validity IOC was 0.85. The Cronbach's Alpha Reliability Coefficients was 0.93. Data were analyzed by using descriptive statistics and paired t-test.

The findings revealed that 5 cultural aspects: (1) Cultural awareness, (2) Cultural knowledge, (3) Cultural skills, (4) Cultural encounter, and (5) Cultural desire, among professional nurses in Samut Sakhon Hospital, were on a moderate level. In addition, those 41 participants had shown themselves with a significantly higher level in 5 cultural aspects after completing the program. Those participants felt highly satisfied with the program. In conclusion, this program could enhance cultural competency among those professional nurses in Samut Sakhon Hospital as they do their nursing interventions for all multicultural clients appropriately and effectively.

Keywords: professional nurses, cultural competency, Samut Sakhon Hospital

# Part III List of keynote speakers, presenters and participants

Keynote Speakers			
No.	Name	Position/Organization	
1	Dr. Archie Dick	Professor and Head of Information Science Department, University of Pretoria, South Africa	
2	Dr. Namtip Wipawin	Associate Professor and Dean, School of Liberal Arts, STOU	
3	Dr. Sumalee Sungsri	Professor, School of Educational Studies Former Director, Office of Educational Services, STOU	
4	Dr. Alisa Vanijdee	Associate Professor and Former Dean, School of Liberal Arts, STOU	
PUP OUS Presenters			
No.	Name	Position/Organization	
1	Sharon B. Gregorio	Polytechnic University of the Philippines, Open University System (PUP OUS)	
2	Joseph Raniel A. Bianes	Faculty, College of Engineering Polytechnic University of the Philippines, Open University System (PUP OUS)	
3	Bailey John Bandiola	Faculty, College of Engineering Polytechnic University of the Philippines, Open University System (PUP OUS)	
4	Dr. Rufo N. Bueza	Director, PUP Lopez, Quezon Branch Polytechnic University of the Philippines, Open University System (PUP OUS)	

# List of Keynote Speakers, Presenters and Participants

PUP OUS Presenters		
No.	Name	Position/Organization
5	Leah Fe B. Basan	Polytechnic University of the Philippines, Open University System (PUP OUS)
6	Ma. Coney M. Contreras	Polytechnic University of the Philippines, Open University System (PUP OUS)
7	John Lester A. Tadena	Polytechnic University of the Philippines, Open University System (PUP OUS)
8	Mary Zenas B. Sevilla	Polytechnic University of the Philippines, Open University System (PUP OUS)
9	Marlon O. Alba	Polytechnic University of the Philippines, Open University System (PUP OUS)
10	Elmar P. Guiriruela	Polytechnic University of the Philippines, Open University System (PUP OUS)
11	Joji D. Robedillo	Polytechnic University of the Philippines, Open University System (PUP OUS)
12	Lian Andrada-Alvarez	Polytechnic University of the Philippines, Open University System (PUP OUS)
13	Emmelyn L. Hernandez	Polytechnic University of the Philippines, Open University System (PUP OUS)

STOU Presenters			
No.	Name	Position/Organization	
1	Dr. Jutatip Chanlun	Assistant Professor, Department of Library Science, Faculty of Arts, Silpakorn University.	
2	Mrs. Praima Hiangrat	Assistant Professor, Rajabhat Maha Sarakham University Ph.D. candidate School of Liberal Arts, STOU	
3	Mrs. Charuwan Limphaiboon	Assistant Professor, Lampang Rajabhat University Ph.D. candidate School of Liberal Arts, STOU	
4	Mrs. Wanida Narethorn	Assistant Professor, Nakhon Ratchasima Rajabhat University Ph.D. candidate School of Liberal Arts, STOU	
5	Mrs. Aphaporn Wanna	Assistant Professor, Phetchabun Rajabhat University Ph.D. candidate School of Liberal Arts, STOU	
6	Dr. Churairat Duangchan	Nursing instructor, Prachomklao College of Nursing, Phetchaburi province	
7	Dr. Urairach Boontae	Public Health Technical Officer Professional level, Phetchaburi Provincial Public Health Office	
8	Miss Nattawadee Boonwattanopas	Ph.D. candidate School of Liberal Arts, STOU	
9	Mr. Pisut Srichan	Instructor, Uttaradit Rajabhat University Ph.D. candidate School of Liberal Arts, STOU	

STOU Presenters			
No.	Name	Position/Organization	
10	Miss Piyakan Nooprakob	Instructor, Phuket Rajabhat University	
11		Ph.D. candidate School of Liberal Arts, STOU	
11	Miss Jirawan Sriwong	Instructor, Faculty of Liberal Arts, Thammasat University	
		Ph.D. candidate School of Liberal Arts, STOU	
12	Mr. Komdech Boonprasert	Assistant Director, Library and Information Resource, Siam University	
		Ph.D. candidate School of Liberal Arts, STOU	
13	Miss Wantani Traipachkomen	Internal auditor, Industrial Estate Authority of Thailand	
		Ph.D. candidate School of Liberal Arts, STOU	
14	Mr. Jiraphat Roemsri	Department of Communication Arts, Sakon Nakorn Rajabhat University	
		Ph.D. candidate Chamber of Commerce University	
15	Mr. Thitiphat Limsumlitnipa	Department of Communication Arts, Faculty of Informatics, Mahasarakham University	
		Ph.D. candidate Chamber of Commerce University	
16	Mrs. Piyachat Sujaritthum	Professional nurses, Samut Sakhon Hospital.	
		Master's student School of Nursing, STOU	

STO	STOU Participants		
No.	Name	Position/Organization	
1	Associate Professor Dr.	Ph.D. Information Science	
	Somporn Puttapithakporn	Program, School of Liberal Arts, STOU	
2	Associate Professor Dr.	B.A. Information Science	
	Tassana Hanpol	Program, School of Liberal Arts, STOU	
3	Associate Professor	B.A. Information Science	
	Chumnan	Program, School of Liberal Arts,	
	Chaowakeeratipong	STOU	
4	Assistant Professor Dr.	Instructor, School of Nursing,	
	Pattaya Kaewsarn	STOU	
5	Associate Professor Dr.	Director, Ph.D. Communication	
	Jantima Kheokao	Arts Program in Marketing	
		Communication, Chamber of	
		Commerce University	
6	Dr. Wisanan Ouparamai	Instructor, School of Management	
		Science, STOU	
7	Mr. Alan Wesley Davis	Language Specialist,	
		English Program	
		School of Liberal Arts, STOU	

PUP OUS Participants		
No.	Name	Position/Organization
1	Professor Dr. Carmencita L. Castolo	Executive Director, Polytechnic University of the Philippines, Open University System (PUP OUS)
2	Professor Dr. Rosemariebeth R. Dizon	Director, Institute of Open and Distance Education, Polytechnic University of the Philippines, Open University System (PUP OUS)
3	Professor Dr. Benilda Eleanor V. Comendador	Academic Head, Institute of Open and Distance Education, Polytechnic University of the Philippines, Open University System (PUP OUS)
4	Mr. Andrew C. Hernandez	Chief, Center for Accreditation, Research and Extension, Polytechnic University of the Philippines, Open University System (PUP OUS)
5	Dr. Marissa R. Baybay	Director, Polytechnic University of the Philippines, Open University System (PUP OUS) Sta. Maria
6	Dr. Adelia Roadilla	Polytechnic University of the Philippines, Open University System (PUP OUS)
7	Ms. Madeline Concepcion	Polytechnic University of the Philippines, Open University System (PUP OUS)

# **STOU Organizing Committee**

Professor Dr. Chutima Sacchanand	Chair
Assistant Professor Dr. Songlak Sakulwichitsintu	Member
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