



International
Journal of
Arts and Sciences

CONFERENCE OF THE INTERNATIONAL JOURNAL OF ARTS & SCIENCES

**5th – 8th June, 2017
Ryerson University, Toronto, Canada**

CD-ROM ISSN: 1943-6114

Copyright © 2012 UniversityPublications.net

Conference of the

International Journal of

Arts and Sciences

CD-ROM ISSN: 1943-6114



International Journal of Arts & Sciences
Attn: Mark Bridge
Conferences Department
55 Farm Drive
Cumberland, Rhode Island 02864-3565
USA
E-mail: info@universityconferences.org

Copyright

Conference of the International Journal of Arts & Sciences

CD-ROM ISSN: 1943-6114

Copyright © 2012 UniversityPublications.net

All rights reserved.

This issue, or parts thereof, may not be reproduced in any form or by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system now known or to be invented, without written permission from the Editor(s) or from the UniversityPublications.net.

Disclaimer:

The authors warrant through the submission of their articles (also considered as “Work”) that they shall indemnify and hold harmless the publisher and its agents for all liability, damages and expenses they may incur as a result of publishing, printing and circulating the Work, including any claims brought by any other person claiming an interest in the Work or its subject matter.

About IJAS

The International Journal of Arts & Sciences (IJAS) was founded in 2005 as a double-blind refereed journal. Its first issue was published one year later in hard-copy format. Each issue was driven by a call for papers focusing on a particular topic. In 2017, the journal adopted a strategy to reach out beyond American academia to a truly global audience. Its editorial board welcomes submissions from universities around the world. IJAS recognizes the best research articles and accepts less than 20% of the manuscripts it receives for publication in its journal.

Editorial Board

Associate Editors

Nancy Mathes, *ISSI, USA*

Joseph Bonnici, *Central Connecticut State University, USA*

Joseph Azzopardi, *University of Malta, Malta*

Mary Allen, *UniversityPublications.net, USA*

Consulting Editors

Peter Mini, *Bryant University, USA*

Gene Gullede, *University of Arkansas – Monticello, USA*

Bill Hamby, *Indiana Wesleyan University, USA*

Michael McKinney, *Jamestown College, USA*

Anthony Lopez, *UniversityPublications.net, USA*

David Moore, *UniversityPublications.net, USA*

Conferences Advisory Board

Kathryn LaFever, *Miami University, USA*

Rose Marie Azzopardi, *University of Malta, Malta*

Lukas Jirsa, *Charles University, Czech Republic*

Henry Greene, *Central Connecticut State University, USA*

Sangeeta Khorana, *Aberystwyth University, UK*

Khoon Koh, *Central Connecticut State University, USA*

Debopriyo Roy, *University of Aizu, Japan*

S. Serhat Serter, *Anadolu University, Turkey*

Jim Cross, *Leeds Trinity & All Saints College, UK*

International Editorial Board¹

Dustin Morrow, *Temple University, USA*

Christopher J. Greig, *University of Windsor, Canada*

Carlos Liard-Muriente, *Central Connecticut State University, USA*

Suzanne Maniss, *University of Tennessee at Martin, USA*

Anna Gemra, *University of Wroclaw, Poland*

Josephine Etowa, *University of Ottawa, Canada*

Vida Davoudi, *Lonestar College, USA*

Brian Phillips, *Grand Valley State University, USA*

Kavita Daiya, *George Washington University, USA*

H. Dean Buttram, III, *Jacksonville State University, USA*

S. Serhat Serter, *Anadolu University, Turkey*

Caroline Brandt, *The Petroleum Institute, Abu Dhabi, UAE*

Danielle Twigg, *Griffith University, Australia*

A. Helene Robinson, *St. John's University, USA*

Shannon Melideo, *Marymount University, USA*

Irina Moreland, *University of Colorado at Denver, USA*

Tao Zeng, *Wilfrid Laurier University, Canada*

Igor Pustynick, *Humber College, Canada*

Larry Riggs, *Butler University, USA*

Shehla Burney, *Queens University, Canada*

Maria Assif, *University of Toronto, Canada*

Lyndon B. Carew, *University of Vermont, USA*

María Rosalía Vicente, *University of Oviedo, Spain*

Radka Wildova, *Charles University, Czech Republic*

Gurmak Singh, *University of Wolverhampton, UK*

Monika Raesch, *Suffolk University, USA*

Ephie Konidaris, *McGill University, Canada*

Bulent Tarman, *Selcuk University, Turkey*

Shoji Ohga, *Kyushu University, Japan*
Ardian Greca, *Georgia Southern University, USA*
Hasan Ozdemir, *Istanbul University, Turkey*
Ruxandra Serbanescu, *University of Toronto, Canada*
Reema Khurana, *Institute of Management Technology, India*
Rina Devnita, *Padjadjaran University, Indonesia*
Pattabhi Sitaram, *Purdue University Calumet, USA*
Rich Snow, *Embry-Riddle Aeronautical University, USA*
Michael Quinn, *Bentley University, USA*
Juan C. Barrera, *Elmhurst College, USA*
Kevin E. Dow, *University of Alaska Anchorage, USA*
Marita Naudé, *Curtin University, Australia*
Christopher Kubik, *Colby-Sawyer College, USA*
Sisira R.N.Colombage, *Monash University, Australia*
Daniel E. May, *Harper Adams University College, UK*
Sofia Daskou, *Hellenic American University, Greece*
Chrysost Bangaké, *University of Orleans, France*
Adugna Lemi, *University of Massachusetts Boston, USA*
Azzat Mohd. Nasurdin, *Universiti Sains Malaysia, Malaysia*
David S. Kung, *University of La Verne, USA*
Rima Aboudan, *United Arab Emirates University, UAE*

¹This list does not include the ad hoc reviewers. Given the diversity of papers in multidisciplinary publishing, it is common practice for the review process in such journals to rely on ad hoc reviewers whose research interest is in line with the research topic of a submitted manuscript. The expertise of these reviewers is invaluable to the review process.

Table of Contents

No.	TITLES AND AUTHEORS	Page No.
1	CULTURAL COMPETENCY AND PLURALISM IN EDUCATION Gail Beier	1
2	UNDERGRADUATE CREATIVITY AT A CHINESE UNIVERSITY: A U.S. FULBRIGHT STUDY IN PEDAGOGY Carol A. Mullen	6
3	SAFETY AND PROFITS IN THE AIRLINE INDUSTRY Ryan Broaderick, Lori Emmel, Krzysztof Gierczak, Ramon- Osvaldo Gonzalez	12
4	SHOULD AMERICA PHASE OUT CASH TO CURTAIL UNLAWFUL TRANSACTIONS? Reza Varjavand	19
5	PART-TIME TEACHERS DEVELOPING THEIR COORDINATORS Brad Deacon	26
6	A REVIEW OF SECLUSIVE PROTECTION OF CLOUD STORAGE RELATED TO STEGANOGRAPHY TECHNIQUES Pramneet Kaur, Shailendra Kulkarni	31
7	ISLAMIC FINANCE AND MORAL RESPONSIBILITY Abdulazeem Abozaid	38
8	TEACHERS' PERCEPTION OF EFFECTIVENESS ON SUBMISSION RATE OF DIGITAL VERSUS PAPER SUBMISSION OF HOMEWORK Adel Al-Bataineh, David Hallatt, Megan A. Huss, Catherine Unsbee	45
9	E-TRACKING SYSTEM FOR PUBLISHING COMPANY Kunyanuth Kularbphettong	51
10	CORPORATE GOVERNANCE AND EARNINGS MANAGEMENT PRACTICES IN PAKISTANI FIRMS Talat Afza, Mian Sajid Nazir	59

No.	TITLES AND AUTHEORS	Page No.
11	TECHNOLOGY DRIVEN FACULTY DEVELOPMENT-LESSONS FROM A CARIBBEAN UNIVERSITY (WITH SPECIFIC FOCUS ON JAMAICA) Alicia Palmer	66
12	FACTORS INFLUENCING THE OUTSOURCING OF CORE BUSINESS DELIVERABLES IN A SELECTED STATE OWNED ENTERPRISE IN SOUTH AFRICA Marcia Magagula, Robert Walter Dumisani Zondo	72
13	THE NEXT MOBILE REVOLUTION: NEAR FIELD COMMUNICATION Rajinder Gupta ,Shabnam Kaur, Manav Saini	79
14	A SYTEMS MODEL OF SUBJECTIVE CREATIVE WELLBEING: IMPLICATIONS FOR THE INDUSTRIALIZATION OF CREATIVITY Bob Shields	84
15	THE DRIVERS OF UNIVERSITY KNOWLEDGE TRANSFER TO FIRMS IN GHANA: A STRUCTURAL EQUATION MODELLING APPROACH Abdul-Fatahi Abdulai, Lyndon Murphy, Brychan Thomas	92
16	DEVELOPING AND SUSTAINING VOCATIONAL EDUCATIONAL TRAINING IN AFRICA: THE CORE ELEMENT John Olotewo	99
17	DO YEARS OF TEACHING EXPERIENCE REALLY MATTER IN FACULTY CONCEPTIONS AND MISCONCEPTIONS OF IMPLEMENTING HYBRID COURSES? Ramón-Osvaldo González,Elsa-Sofia Morote, Jeanne Radigan, Helen C. Wittman	107
18	DETERMINANTS OF MONETARY POLICY DYNAMICS IN SUB-SAHARA AFRICA: AN EMPIRICAL INVESTIGATION Andrew Maredza, Ebenezer Gbenga Olamide	114
19	EVALUATION OF DIFFERENTIATION AND ORIENTATION ABILITIES OF BASKETBALL PLAYERS AT DIFFERENT LEVELS OF COMPETITION Navdeep Singh Grewal	120

No.	TITLES AND AUTHEORS	Page No.
20	AN ASSESSMENT OF THE IMPACT OF YOUTHZONES (A COMMUNITY PROJECT) ON THE LIVES OF YOUTHS IN IMPOVERISHED COMMUNITES IN SOUTH AFRICA Michelle Ovens, Johan Prinsloo	128
21	CROSS TABULATION ANALYSIS OF DEMOGRAPHIC DETERMINANTS ON CREDIT ACCESSIBILITY FOR SMALL AND MEDIUM ENTERPRISES IN SOUTH AFRICA CONSTRUCTION INDUSTRY Olanrewaju Abdul Balogun , Ansary Nazeem	134
22	COOPERATIVE DRIVING THROUGH SOCIAL NETWORKS OF CARS Li-Mei Chen ,Chunlei Liu ,Jun Zhang	142
23	PERCEPTION OF PARENTAL INFLUENCE IN MARITAL CHOICE BY UNDERGRADUATES AT POINT OF GRADUATING Abolanle Olukemi Lasode ,Nike Elizabeth Tobi	149
24	GREEN HUMAN RESOURCE MANAGEMENT TOWARDS SUSTAINABLE ORGANIZATIONS: A CASE OF HIGHER EDUCATION INSTITUTIONS Muhammad Hoque, Vuyokazi Mtembu	155
25	TOURISM AND TOURISM AT HOME Anita Eves, Seo Yeon Jang	164
26	SIGNIFICANCE OF CANADA AS A SHELTER IN A PRAYER FOR OWEN MEANY Onur Kaya	171
27	BEROM LANGUAGE, CULTURAL BELIEFS AND MENTAL WELL-BEING: A QUALITATIVE STUDY Dung Ezekiel Jidong, Poul Rohleder, Rachel Tribe, Aneta Tunariu	179
28	EVALUATION OF THE PERFORMANCE FROM THE PERSPECTIVE OF THE TQM IN THE PUBLIC AND PRIVATE HOSPITAL Nada Hassan Abdelgadir Ahmed, Mutaz Elsayed, Mohamed Hafiz	189

No.	TITLES AND AUTHEORS	Page No.
29	THE USE OF RANDOM AMPLIFIED POLYMORPHIC DNA (RAPD) TO STUDY THE GENETIC VARIATION OF BIOSURFACTANT PRODUCING BACTERIA Okwujiakor, Nwaehiri Linda, Oge Mbanefo, Toochukwu Ogbulie, Chioma Okore	197
30	WOMEN, RELATIONS AND LOVE: NARRATIVES BY AMRITA PRITAM Mini Gill	206
31	INTERNET USAGE ON MOBILE PHONES OF UNIVERSITY STUDENTS Siriporn Poolsuwan	212
32	COMMUNITY-ENGAGED LEARNING AND CULTURAL DIVERSITY: TEACHING AND ASSESSING INTERCULTURAL COMPETENCE AND ADVANCED LANGUAGE SKILLS IN ONLINE FRENCH Marie-Anne Visoi	219
33	WOMEN'S PARTICIPATION IN AGRICULTURE ENTREPRENEURSHIP IN DEVELOPING COUNTRIES: WHAT A PITY! Evelyn Derera, Charles O'Neill, Maxwell Phiri	227
34	AN INVESTIGATION OF ERROR FEEDBACK WITH IMPROVEMENT STRATEGIES AND REFLECTION ON INTERNATIONAL STUDENTS' ACADEMIC WRITING Li-Mei Chen, Chunlei Liu	236
35	COLLABORATIVE WRITERS' PERFORMANCE, THEIR PERCEPTIONS OF THE TOOL-MEDIATED WRITING, AND COMMUNICATION RELATIONSHIPS Meng-Ying Daphne Lin	244
36	DIALOGIC LEARNING IN ONLINE ENVIRONMENTS: A CASE STUDY OF BRITISH A-LEVEL PHILOSOPHY STUDENTS Daniel Dennis	252

No.	TITLES AND AUTHEORS	Page No.
37	FOOD CONSUMPTION OF NIGERIANS AND HOW TO IMPROVE LIFE EXPECTANCY THROUGH WELL REVIEWED COOKING HABITS O.F. Mike-Rowland	260
38	PROFESSIONAL PREPARATION THROUGH INTERDISCIPLINARY COLLABORATIVE PROJECTS Lorrie Frear	270
39	TEACHING COMPETENCIES OF THE SECONDARY STUDENT-TEACHERS OF DMMMSU Remedios Neroza, Nona Rivera	279
40	THE EFFECTIVENESS OF MOTHERS-TRAINING PROGRAM ON CHILDREN WITH LEARNING DISABILITIES Nadia Tazi	287
41	COMPARATIVE EVALUATION OF ANTI-ALZHEIMER POTENTIAL OF SOME COMMONLY USED PLANTS AND MUSHROOM SPECIES Ravinder Kaur, Richa Shri	295
42	COMPARATIVE STUDY OF SOIL WASHING OF LEAD, ZINC AND COPPER USING BIOSURFACTANT AND SOME SOIL WASHING AGENTS Okwujiakor, Agunna Ejele, Nwaehiri Linda, Oge Mbanefo, Toochukwu Ogbulie, Chioma Okore	302
43	EFFECTS OF CORN COB FIBER ADDITION ON NOODLE PROPERTIES Nuntaporn Aukkanit , Supawan Pantong , Phikunthong Sawatwong, Jannapa Yeela	310
44	ENERGY MANAGEMENT OF REAL-TIME WIRELESS POWER TRANSMISSION PROTOTYPING A MICROSCOPIC TO MACROSCOPIC APPROACH Imtiaz Hakeem, Salimu Rehman, Abdul Waseem	318

No.	TITLES AND AUTHEORS	Page No.
45	KNOWLEDGE ACQUISITION BY SELF-LEARNING METHODS WITH STRUCTURED CLINICAL DATA Joachim Baumeister , Sebastian Furth ,Daniel Knöll , Klaus Peter Scherer	327
46	RECOMMENDATION SYSTEM FOR VISITING WEBSITES Assem A. Alsawy ,Ahmed M. Omran	334
47	CHILD IS MEANT TO LEARN NOT TO EARN: LITERATURE REVIEW ON CONTENDING CHILD LABOUR ISSUES AND CHALLENGES Aswin George , Sarmistha Nandy	341
78	FEMALE BODY AS A NARRATIVE: A CRITICAL STUDY OF JAMAICA KINCAID'S LUCY Maham Latif	350
49	FEMALE BODY AS A NARRATIVE: A CRITICAL STUDY OF JAMAICA KINCAID'S LUCY Maham Latif	359
50	THE CONFLICT BETWEEN IDEOLOGICAL CONSTRAINTS AND UTOPIAN IMPULSES IN GO TELL THE SPARTANS Tajaddin Salahaddin Noori	369
51	STORYTELLING IN MULTIDISCIPLINARY CONFERENCES J. Bonnici, Henry Greene	377
52	GROUP PROCESS SOLVES THE PROBLEMS IN LEARNING THE CONCEPT OF HAZARD ANALYSIS Jaruwan Chutrtong	386
53	CONVERSION OF THE EARTH/CONSTRUCTION OF THE TECHNOSPHERE: AN ENVIRONMENTAL ISSUE TO RIVAL GLOBAL WARMING, LOSS OF BIODIVERSITY, RESOURCE DEPLETION, ETC. Barry Wood	391
54	DEVELOPMENT OF PAMAM DENDRIMER COMPOSITE ANTI- BIOFOULING NANOFIBER MATS FOR WATER FILTRATION Ekonkar Singh Johal	399

No.	TITLES AND AUTHEORS	Page No.
55	EVALUATION OF THERMAL PROCESSES FOR REDUCTION OF SALMONELLA SPP. AND ESCHERICHIA COLI IN PORK SAUSAGES WRAPPED IN BANANA LEAVES Naruemon Prapasuwannakul, Mantana Panbualuang	406
56	ENSEMBLE DEA AND ITS COMPARISON WITH VARIABLE REDUCTION MODELS BASED ON ENTROPY MAXIMIZATION CRITERION Parag Pendharkar	412
57	IMPACTS OF FOREIGN RELIGION ON AFRICAN TRADITIONAL WORSHIP: THE IGBO EXAMPLE Egesi Jonathan	422
58	PLANT-FRUGIVORE MUTUALISM: SEED'S GREAT ESCAPE Inderdeep Kaur	430
59	DEVELOPMENT OF GLUTEN-FREE BISCUITS WITH RICEBERRY FLOUR Supatchalee Sirichokworrakit, Thanchanok Aungsirirak, Siwaporn Butmee	441
60	MAPPING THE COLONIAL CONQUER OF NATIVE MINDS: A SOCIO-HISTORIC CRITIQUE OF TURQUOISE BY AMIR HUSAIN Fauzia Janjua	449
61	TRAINING: A PANACEA OF CUSTOMER SERVICE INEFFICIENCY AND IMPOVING HOTEL PERFORMANCE AT OSOGBO, OSUN STATE, NIGERIA O.F. Mike-Rowland ,C.E. Ogunlade	458
62	CAN A MANAGEMENT AND INFORMATION SYSTEM BE AN ALTERNATIVE APPROACH TO UPSURGE EFFICIENCY FOR LOCAL ECONOMIC DEVELOPMENT PRACTICE IN KWAZULU-NATAL? Xoliswa Majola	466
63	MOTIVATIONAL FACTORS WHY STUDENTS ENROL AT DMMMSU CGS? Art Accredito Neroza , Remedios Neroza	473

No.	TITLES AND AUTHEORS	Page No.
64	THE ROLE OF LAW AND THE CHANGING FACE OF TERRORISM: A CASE STUDY OF BOKO HARAM IN NIGERIA Tarela Juliet Ike, Kofi Kufuor, John Morrison, Anthony Richards	481
65	GENDER ROLES REPRODUCED: ONLINE SHOWCASES OF NEW BRIDES' HOMES Zeynep Isil Isik Dursun	490
66	POPULATION DENSITY OF INSECT PEST ON CORN BIOMASS YIELD INTERCROP WITH LEGUMES Ferdinand S. Corpuz , Myleen Corpuz	497
67	ECOLOGICAL AWARENESS IN ALAMGIR HASHMI'S POEMS Mubina Talaat	506
68	COMPONENTS OF ETHICAL LEADERSHIP AND THEIR IMPORTANCE IN SUSTAINING ORGANIZATIONS OVER THE LONG TERM Niall Hegarty, Salvatore Moccia	513
69	DESIRE OF SHOWING VS. FEAR OF SURVEILLANCE: A QUANTITATIVE RESEARCH OVER SURVEILLANCE ATTITUDES OF FACEBOOK USERS AND NON-USERS IN TURKEY Demet Firat, Feyyaz Firat	521
70	FACTORS INFLUENCING ENTREPRENERSHIP START-UPS AMONG GRADUATE STUDENTS IN GHANA Felicity Asiedu-Appiah, Bylon Abeeku Bamfo , Courage Simon Kofi Dogbe	530
71	MAGNITUDE OF DYNAMIC PRESSURE OF SUBSONIC AIRFLOW AROUND SYMMETRIC OBJECTS Vsevolod Koryanov ,Erwin Martinez ,Shehret Tilvaldyev	539
72	THE RISE OF ISLAMIC FEMINISM: A COMPARATIVE ANALYSIS BETWEEN THE REPUBLIC OF IRAN AND SAUDI ARABIA Dalia Elsayed	546

No.	TITLES AND AUTHEORS	Page No.
73	OF 'LOVE LAWS' AND THE DYNAMICS OF POWER PLAY: GENDER AS A SUBTEXT IN ARUNDHATI ROY'S THE GOD OF SMALL THINGS Pushpinder Walia	556
74	INCREASING STUDENT MOTIVATION AND LEARNER AUTONOMY THROUGH EXTENSIVE LISTENING PORTFOLIOS Jaime Morrish	568
75	THE NEW SACRED ART MOVEMENT AND DEVELOPMENT OF NIGERIAN ART: THE OSUN OSOGBO EXPERIMENT Egunjobi Felix Babatunde	576
76	CHILD TRAFFICKING AND ITS HUMAN IMPLICATION IN ETHIOPIA: THE CASE SNNPR STATE Alemshet Adugna Addisalem	586
77	CHILD TRAFFICKING AND ITS HUMAN IMPLICATION IN ETHIOPIA: THE CASE SNNPR STATE Alemshet Adugna Addisalem	594
78	INFLUENCE OF EXERCISE ON PERSONAL HEALTH PROFILE ON THE PEOPLE OF KABBA-BUNU LGA OF KOGI STATE NIGERIA Toluse Caroline Modupe	603
79	CONSUMERS' WILLINGNESS TO CONTRIBUTE TO THE IMPLEMENTATION OF A WORKPLACE SAFETY LABEL Marjia Khanom ,Mashiur Rahman	612
80	MEDICATION SAFETY STRATEGIES: A REVIEW AND SUGGESTIONS Hoppin Shari	621
81	THE ATTITUDES OF THE COLLEGE STUDENTS TOWARD THE UTILIZATION OF BRITISH RESTORATIVE JUSTICE TECHNIQUES IN EVERYDAY POLICING Jennifer Dawe, Margaret Duda, Rebekah Gonzales, Aqeel Saeid	630

No.	TITLES AND AUTHEORS	Page No.
82	REFUGEE INFLUX AND LIVELIHOOD OF THE HOST COMMUNITIES: A CASE STUDY OF NAKIVAALE REFUGEE SETTLEMENT, UGANDA Brendah Nakuya	639
83	TOURISM DEVELOPMENT IN EU REGIONS: AN ANALYSIS OF MONITORING STRATEGIES FOR FAST GROWING VISITORS COUNTRIES Renee Yi-Mond Yuan	648
84	STUDENTS' PERFORMANCE CHALLENGES AT INTERNSHIP IN KANO STATE, NIGERIA Attamah Chukwunwike Emmanuel	656
85	THE RAMAKIEN AND THE BIBLICAL ACCOUNT OF THE COSMIC CONTROVERSY Bienvisa Ladion Nebres	665
86	EFFECT OF GROUP COUNSELLING ON YOUTHS' ATTITUDE TOWARDS EXAMINATION MALPRACTICES IN LAGOS STATE, NIGERIA Ayodeji Olawole, Mopelola Olusakin	679
87	DETERRITORIALIZATION' IN THE WASTED VIGIL BY NADEEM ASLAM Sobia Kiran	690
88	EFL TEACHING IN UNIVERSITY CLASSROOMS IN SAUDI ARABIA: A CASE STUDY OF INSTRUCTORS AND CURRICULUM AND IMPLEMENTATION FOR LANGUAGE LEARNING Dalia Jamal Alghamdi	699
89	DAUGHTERS' NARRATIVES : THE DIALECTICS OF SILENCE AND MEMORY D. Laura Dameris Chellajothi	708
90	DEVELOPMENT AND ACCEPTABILITY OF THE FRUIT KAMIAS (AVERRHOA BILIMBI) Lilia M. Pingol , Gloria T. Tariga	716

No.	TITLES AND AUTHEORS	Page No.
91	RELIGIOUS VIOLENCE AND HERDSMEN AND TERRORIST PHENOMENA IN NIGERIA: A RHETORIC OR A REALITY Mary Taiye Daniel	725
92	ADVANCING ACADEMIC LEADER IDENTITY DEVELOPMENT: USING KAUPAPA TO BRIDGE THE DIVISION BETWEEN CONFLICTING ORGANISATIONAL CULTURES Steven Marshall	734
93	MANIFEST DESTINY AND NATIVE AMERICANS Serdar Ornek	743
94	A LESSINGIAN SOLUTION TO APOCALYPTIC DOOM IN WINTERSON'S THE STONE GODS: A SUFI APPROACH Neşe Yildirim	752
95	SYKES-PICOT AND THE FAILURE OF THE MODERN ARAB STATE SYSTEM Jawaher Abdel-Hamid	761
96	THE FUNCTION OF MUSIC IN FILM: THE RELATIONSHIP BETWEEN THE IMAGE AND THE MUSIC Rengin Iskeçe	771
97	THIS TIME SING FOR FREEDOM: THE ROLE OF PROTEST SONGS IN LIBERATION MOVEMENT OF SOUTH AFRICANS Seher Gündüz	779
98	EFFECTS OF SELECTED YOGIC ASNAS AND PRANAYAMAS ON LIPOPROTEIN CHOLESTEROL ABNORMALITIES AND DIABETIC POST MENOPAUSAL WOMEN Avtar Singh Kalsi ,Prabhjot Kaur, Satpal Kaur	785
99	PALIMPSEST AND REWRITING THE CANADIAN FEMINISM IN THE HAND MAID'S TALE Onur Kaya	792

No.	TITLES AND AUTHEORS	Page No.
100	ELECTROCHEMISTRY OF PYRROLOQUINOLINE QUINONE (PQQ) ON MULTI-WALLED CARBON NANOTUBE-MODIFIED GLASSY CARBON ELECTRODES IN BIOLOGICAL BUFFERS D. A. Baum , I. Emahi , M. P. Mitchell	800
101	DEVELOPMENT OF IOT-BASED CAR PARKING MANAGEMENT SYSTEM: THE DEPLOYMENT OF MOBILE TECHNOLOGY AND INTERNET OF THINGS FRAMEWORK Shutchapol Chopvitayakun	807



e-Tracking System for Publishing Company

Kunyanuth Kularbphetong¹

Suansunandha Rajabhat University, Thailand

e-mail: kunyanuth.ku@ssru.ac.th

Soraya Chalowattana²

Suansunandha Rajabhat University, Thailand

e-mail: soraya.ch@gmail.com

ABSTRACT

This paper describes the development of e-Tracking System based on Web Application and it provides to keep track of the publisher in order to resolve problems of working with in a day. This application was designed to support and enhance document tracking system on Web site. We describe the design approaches and functional components of this system. The system was developed by PHP and JavaScript and MySQL database System. To evaluate the system performance, questionnaires for system usability and Black Box Testing were used to measure expert and user satisfaction. The results were satisfactory as followed: Means for experts and users were 4.12 and 4.06 respectively.

Keywords: e-Tracking System, Web Application, document tracking system

I. INTRODUCTION

With the rapidly growth of information technology, web site is one of the easily and fast efficient tools to keep track of the publisher in order to resolve problems of working with in a day. Therefore, the development of this project made the opportunities and channels of marketing trade. The web application is available through Internet and users can edit and store data in database. Also, the system makes a convenience for customer to get through and buy products on web site.

With the rapidly growth of information technology, web site is one of the easily and fast efficient tools to promote community's products. Additional, it encourages the community to look forward to opportunity to share and promote knowledge. Using web site technology to enhance publish company is worthwhile because users can access web sites at any place and any time [1].

Therefore, the purpose of this research aims to develop e-Tracking system based on web application and it provides to keep track of the publisher in order to resolve problems of working with in a day. The system enabled to manage electronic documents including creating, storing, indexing and searching documents. Moreover, it is also beneficial to reduce paper used in organizations. The remainder of this paper is organized as follows. Section 2 we describe research methodology based on the purposed model and section 3 shows the results of this experiment. Finally, the conclusion and future research are presented in section 4.

II. Research Methodology

To develop this project, data was surveyed and collected from user's requirements so that the electronic document management system is similar to the old system and users can learn and understand the new system easily. RAD (Rapid application development) was used to design and implement this project [2]. RAD is one of the significant software development methodologies used to predefine prototyping techniques and tools to produce software applications. According to James Martin approach, RAD divides the process into four distinct phases: Requirements planning phase; User design phase; Construction phase and Cutover phase. In requirements planning phase, information was collected as a source of information for planning and analysis system and the related documents were divided into two parts: 1) internal documents and 2) external documents. The prototype system focused on user's requirements and it was designed processes to be document filing process, document file search process, document delivery process by email and user management process. After studying problems and needs of the system, UML (Unified Modeling Language) was used in user design phase process and comprised the following diagrams:

- 1) Use Case Diagram acted to define the scope of the system.
- 2) Class Diagram acted to define the information of relational tables to show class, attribute, method and related relationships.
- 3) Activity Diagram acted to define the activities and working processes of the system.

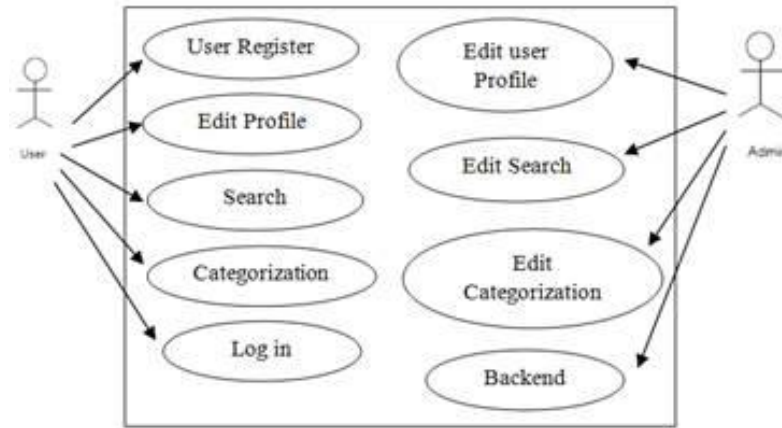


Fig. 1. Use Case diagram of the system

Use Case diagram shows the work flow system from the user perceptions, as shown in figure 1 and figure 2 was presented the ER diagram of this project. The system manages the membership and authenticates access and can search documents both from the date of the document, and the number of documents.

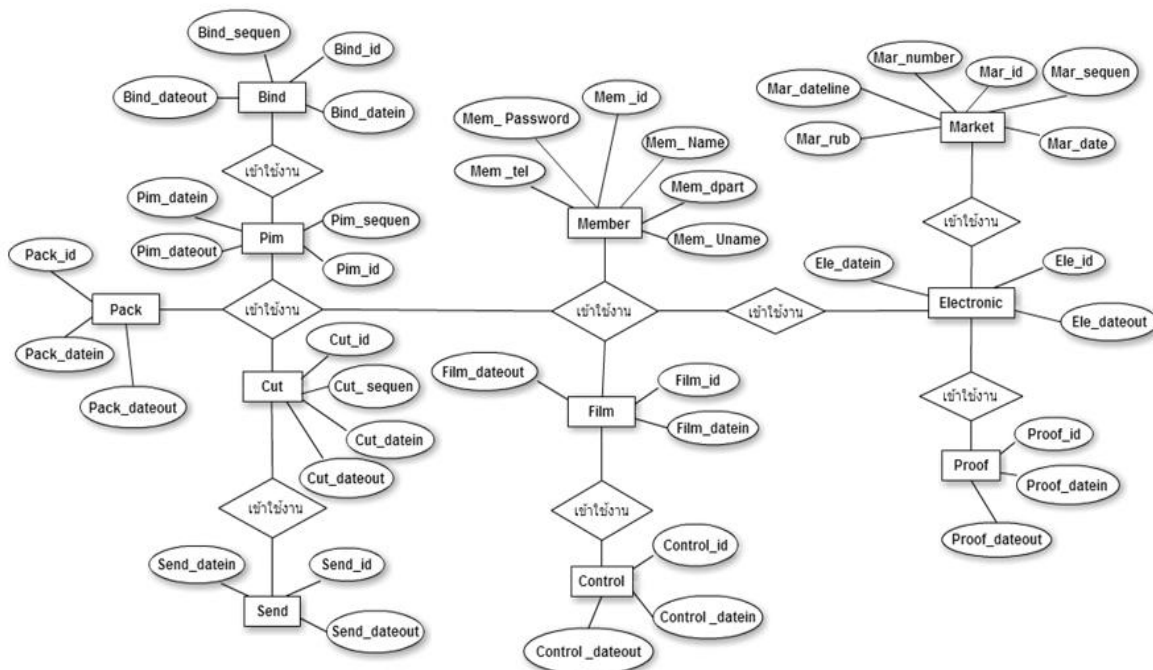


Fig. 2. ER diagram of the system

When completed the analysis process, the next step was the graphics user interface (GUI) on this application. To test and evaluation a web application system, Black box Testing and Questionnaires with 7 experts and 30 users were applied. Black box testing was tested based on the performances of the system and collected errors of the system. Questionnaires were tested for user’s satisfaction. The questionnaires consisted of checklist and Likert scales. It

comprised three main parts. The first part of questionnaires included the questions of demographic concerning gender, college year, educational programs, the second part was evaluated the performance and satisfaction of the application and the last was tested the standard of black box testing. To evaluate the quality assessment system, Mean (\bar{x}) and standard deviation (SD) were used to assess the qualities of the project.

III. EXPERIMENTAL RESULTS

In this section, experimental results were separated to 2 parts: developing the e-Tracking System based on Web Application and evaluating the performance and satisfaction of the application.

A. Developing the e-Tracking System based on Web Application

To develop the web application, Adobe Dreamweaver, PHP, HTML, CS6, AJAX and Java Script language were used to implement with MySQL database. Fig 3 was shown the results of web application. The system consists of the subscriber system, search system, categorization system and map. The first page is displayed the menu keys such as search, menu and map and in the map search, if the user clicks on the map, the system displays a map from and shows the position of e-Tracking System as shown in Fig 4. For a system administrator, the system is required to log in with username and password and the application will manage related information in database.



Fig. 3. The log in page of the system



Fig. 4. The search page of the system

B. Evaluating the performance and satisfaction of the application.

When tested and evaluated the user's satisfaction and the qualities of the system, Black box Testing and Questionnaires by specialists and users were used to test this project [3]. Black Box testing was determined the error of the project as following: functional requirement test, Function test, Usability test, Performance test and Security test [4].

Functional Requirement test was evaluated the ability of the system to serve the needs of the users and Functional test was used to evaluate the accuracy of the system. Usability test was tested the suitability of the system. Performance test was assessed the processing speed of the system. Finally, Security test was used to evaluate the security of the system Table 1 was shown the results of user's satisfaction.

Table 1. The results of the user's satisfaction system

	Experts		Users	
	\bar{x}	SD	\bar{x}	SD
The ability of the system				
1. the ability of the system to provide information	4.57	0.53	4.50	0.85
2. the ability of the system to link menu	4.71	0.49	4.60	0.70
3. the ability of the system to search	4.71	0.49	4.70	0.67

4. the ability of the system's response time	4.00	0.82	3.80	0.42
5. the ability of the system to work automatically	4.43	0.53	4.70	0.48
6. the ability of the system to manage the database	4.86	0.38	4.80	0.42
The accuracy of the system				
1.the accuracy of the system to display information	4.86	0.48	4.57	0.79
2. the accuracy of the system to information retrieval	4.43	0.53	4.57	0.53
3. the accuracy of the system to update	4.71	0.49	4.43	0.53
4. the accuracy of the system in storage	4.57	0.79	4.86	0.38
5. the accuracy of the system to report	4.14	0.78	4.00	0.52
6. the accuracy of the system in the overall system functions	4.86	0.8	4.57	0.60
The suitability of the system				
1.the suitability of the functions with ease of system usage	4.86	0.48	4.60	0.7
2. the suitability of text display clarity	3.86	0.53	4.7	0.67
3. the suitability of using color	4.00	0.58	4.7	0.67
4. the suitability of data presentation	3.71	0.49	4.5	0.53
5. the suitability of user interface	4.14	0.78	4.4	0.52
The speed of the system				
1. the speed of program as a whole	4.29	0.49	4.50	0.71
2. the speed of searching data	4.43	0.53	4.40	0.70
3. the speed of data presentation	4.29	0.49	4.60	0.70
4. the speed of showing the link	4.00	0.82	4.30	0.67
5. the speed of editing data	3.86	0.69	4.60	0.52
The security and verify data of the system				

1. the security and verify data of set the permissions of using	3.71	0.49	4.50	0.97
2. the security and verify data of determining a user account	4.57	0.53	4.60	0.52
3. the security and verify data of verify the accuracy of input data	4.29	0.76	4.30	0.67

The table shows that assessment of the ability of the system to meet the needs of the experts and users respectively in average of 4.55 and 4.52 and standard deviation of 0.54 and 0.59 so that satisfaction in quality toward the system is well.

Table 2. The results of the Black box testing of the system

	Experts		Users	
	\bar{x}	SD	\bar{x}	SD
1.Function Requirement Test	4.55	0.54	4.52	0.59
2. Functional Test	4.60	0.58	4.50	0.60
3. Usability Test	4.11	0.44	4.70	0.48
4. Performance Test	4.17	0.60	4.48	0.66
5. Security Test	4.19	0.59	4.47	0.72
Summary	4.32	0.55	4.53	0.61

The results show that a quality assessment of the system is well in all aspects and Mean were 4.32 and 4.53 and standard deviation were 0.55 and 0.61. It can be concluded that the traditional occupation web base application is good.

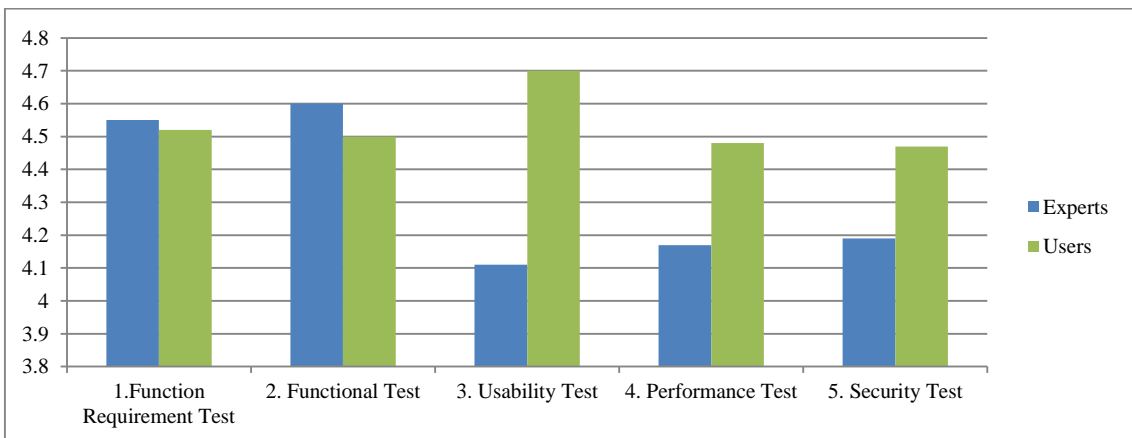


Fig. 5 the results of Black box testing

IV. CONCLUSION

In this work, we developed e-Tracking application based on web Application. This system provides more suitable to keep track of the publisher in order to resolve problems of working within a day. Also, expert and user are satisfied the system performance. From the results of this application, this study presents the system can meet the needs of users in case of providing document management system can be beneficial to manage and enhance knowledge community.

ACKNOWLEDGMENTS

This study was successful by financial support from Suan Sunandha Rajabhat University and many helps from my colleagues.

REFERENCES

1. W. Frawley, G. Piatetsky-Shapiro, and C. Matheus, "Knowledge Discovery in Databases: An Overview". AI Magazine, Fall 1992, pp. 213-228.
2. Javatechig, "Rapid Application Development Model", Retrieved from <http://javatechig.com/se-concepts/rapid-application-development-model>
3. Laurie Williams. "Testing Overview and Black-Box Testing Techniques". , 2006.
4. Nisanart Tachapetpatboon and Kunyanuth Kularbphetong, "ONTOLOGY BASED KNOWLEDGE MANAGEMENT FOR CULTURAL TOURISM.", Journal of Theoretical & Applied Information Technology, Vol. 75 Issue 3, p384-388. 5p.



**International
Journal of
Arts and Sciences**



**ACADEMIC
Journal of Science**



**INTERNATIONAL
JOURNAL**
of Business and Management Studies



**HUMANITIES
AND SOCIAL SCIENCES
REVIEW**



**Journal of
Teaching and
Education**



International Journal of
**MULTIDISCIPLINARY
THOUGHT**