

International Academic Multidisciplinary Research Conference 2017

Proceeding of

**INTERNATIONAL BUSINESS ECONOMIC TOURISM SCIENCES TECHNOLOGY
HUMANITIES SOCIAL SCIENCES AND EDUCATION RESEARCH CONFERENCE**

*Berlin, Germany
23 – 25 October, 2017*

THE 2017 ICBTS



**Edited by Chayanan Kerdpitak, CK Research, Thailand
Kai Heuer, Wismar University, Germany
Ebrahim Soltani, Hamdanbin Smart University, UAE
Gilbert Nartea, Lincoln University, New Zealand
Vipin Nadda, University of Sunderland, United Kingdom**

ISBN 978-616-406-740-6 (electronic book)

International Academic Multidisciplinary Research Conference 2017

Conference Proceedings

**INTERNATIONAL BUSINESS ECONOMIC TOURISM SCIENCES TECHNOLOGY
HUMANITIES SOCIAL SCIENCES AND EDUCATION RESEARCH CONFERENCE**

*Berlin, Germany
23 – 25 October, 2017*

THE 2017 ICBTS



Conference Three Themes

The International Business Tourism and Applied Sciences Research Conference

The International Education Social Sciences and Humanities Research Conference

ISBN 978-616-406-740-6

Conference Proceedings

INTERNATIONAL BUSINESS ECONOMIC TOURISM SCIENCES TECHNOLOGY
HUMANITIES SOCIAL SCIENCES AND EDUCATION RESEARCH CONFERENCE

*Berlin, Germany
23 – 25 October, 2017*

THE 2017 ICBTS

Organised by

ICBTS Institute Conference Center & IJBTS International Journal of Business Tourism and Applied Sciences

In Academic Scholars Cooperation with



Wismar University



Lincoln University



Hamdan Bin Smart University



Suan Sunandha Rajabhat University

Sponsored by



Ryerson University



University of Sunderland



Thai Airways International

Edited by Chayanan Kerdpitak, CK Research, Thailand
Kai Heuer, Wismar University, Germany
Ebrahim Soltani, Hamdan Bin Smart University, UAE
Gilbert Nartea, Lincoln University, New Zealand
Vipin Nadda, University of Sunderland, United Kingdom

Published by Chayanan Kerdpitak (ICBTS Institute Conference Center & CK research)
Phaholyothin Road, Klongnuang, Klongnuang
Pathumtani 12120, Thailand: Tel 087 0287 287, Fax +662 994 5021

Abstracting and nonprofit use of the material is permitted with credit to the source. Instructors are permitted to photocopy isolated articles for noncommercial use without fee. The authors have the right to republish, in whole or in part, in any publication of which they are an author or editor, and to make other personal use of the work. Any republication or personal use of the work must explicitly identify prior publication in Proceedings of Abstracts and Papers (on CD-ROM or flash drive) of the International Business and Economics Research Conference, International Social Sciences Humanities and Education Research Conference, International Tourism Transport and Technology Research Conference (C.Kerdpitak, K. Heuer, E. Soltani, G. Nartia Editors) including the page numbers.

Proceedings of Abstracts and Papers (on CD-ROM or flash drive) of The International Business Economics Tourism Transport Technology Social Sciences Humanities and Education Research Conference

Copyright©2017

By Dr. Chayanan Kerdpitak & Professor Dr. Kai Heue & Professor Dr. Ebrahim Soltani, ICBTS Institute Conference Center & IJBTS International Journal of Business Tourism and Applied Sciences

All rights reserved.

All papers in the proceedings have been peer reviewed by experts in the respective fields responsibility for the contents of these papers rests upon the authors.

ISBN: 978-616-406-740-6 (electronic book)

Published by Chayanan Kerdpitak (ICBTS Institute & CK Research)

Pramsiri Boutique Park, 18/83 Building A, Prasertmanukid Rd. Bangkok, 10900, Thailand

Plum Condo Park Rangsit, 91/194 moo4, Phaholyothin Road, Klongnung Klongluang Pathumtani 12120, Thailand

INTRODUCTION

We would like to welcome our colleagues to the International Business Tourism Transport Technology Social Sciences Humanities Education Research Conference. It is the seven series in 2016 of Conference on Business Tourism and Apply Sciences was held in Amsterdam. As always many members of the ICBTS 2016 community look forward to meeting, sharing and exchanging their research ideas and results in both a formal and informal setting which the conference provides. Likewise, the concept of alternating the international conference every one month on April to November between Europe and the rest of the world is now well established. This year's event in London (UK) Paris (France) Munich (Germany) Amsterdam (Netherlands) Boston (USA) Toronto (Canada) London (United Kingdom) Zurich (Switzerland) Berlin (Germany) Tokyo (Japan) and another continues with the cultural following the very successful and productive event held in London-Zurich in August 2016 in the field of various types for international academic research conference on Business Economics Social Sciences Humanities Education and Apply Sciences. As usual The ICBTS 2016 brings together leading academics, researchers and practitioners to exchange ideas, views and the latest research in the field of Business Tourism and Apply Sciences.

The theme of this event The 2016 ICBTS International Business Tourism Social Sciences Humanities and Education Research Conference is "Opportunities and Development of Global Business Economics Social Sciences Humanities and Education" It is also represents an emerging and highly challenging area of research and practice for both academics and practitioners a like, The current industrial context is characterized by increasing global competition, decreasing product life cycles, Global Business, Tourism Development, Social Sciences Humanities Education Apply Sciences and Technology collaborative networked organizations, higher levels of uncertainties and, above all, and customers. In our view holding this event in Tokyo represents a timely opportunity for academics and researchers to explore pertinent issues surrounding Business Economics Tourism Social Sciences Humanities Education Sciences and Technology.

Potential authors were invited to submit an abstract to the International Conference Session Chairs. All abstracts were reviewed by two experts from the International review committee and final papers were further reviewed by this volume with 30 contributing authors coming from 18 countries. This book of proceedings has been organized according to following categories:

- Business
- Management
- Marketing
- Accounting
- Financial
- Banking
- Economic
- Education
- Marketing
- Logistics Management
- Social Sciences
- Supply Chain management
- Industrial Management
- Information Technology
- Sciences Technology
- Transport and Traffic
- Tourism Strategic
- Tourism Management
- Tourism Marketing
- Tourism Development Policy and Planning
- Technology Application
- Communication and Sciences
- Humanities
- Health care Management
- Hospitality Management
- Hotel Management

INTERNATION ADVISORY COMMITTEE

Academic Advisory Chairs

Prof. Dr. Ebrahim Soltani

Hamdan Bin Mohammed Smart University
Dubai, United Arab Emirate
Phone. +44(0) 1227 827405

Academic Advisory Chairs

Prof. Dr. Kai Heuer

Wismar University of Business School, Germany
Studiengangleiter Master Betriebswirtschaft
ABWL/Controlling
Hochschule Wismar
Fakultät für Wirtschafts wissenschaften
Philipp-Müller-Str. 14
23966 Wismar
Haus 19, Raum 113
phone.: +49 (3841) 753 - 7578

Conference Coordinator & Program Chair

Dr. Chayanan Kerdpitak

CK Research Consultant
Bangkok, Thailand
Tel.+66 087 0287 287
Email: icbts@icbtconference.com
Email: conferenceteam@icbtsconference.com

Proceeding Editors

Prof. Dr. Gilbert Nartea

Lincoln University, New Zealand
Phone +64 3 4230233

Proceeding Editors & Program Chair

Dr. Vipin Nadda

University of Sunderland, United Kingdom
Phone 02075317333
Email: vipin.nadda@sunderland.ac.uk

INTERNATIONAL COMMITTEE

INTERNATIONAL ADVISORY COMMITTEE

Wittaya Makkham, Suan Sunantha Rajabhat University, Thailand
Gilbert Nartea, Lincoln University, New Zealand
Lee Li, York University, Canada
Susan L. Solis, Asian Institute of Tourism, University of the Philippines
Kamon Budsaba, Thammasart University, Thailand
Aruna Apte, Naval Postgraduate School, USA
Hiromi Ban, Fukui University of Technology, Japan
Vipin Nadda, University of Sunderland, London UK
Bahadır Gulsun, Yıldız Technical University, Turkey
Ali Fuat Guneri, Yıldız Technical University, Turkey
Hen Friman, Holon Institute of Technology, Israel
Mohammad Bader Al-Badarneh, Amman University Jordan
Douglas J Marshall, USA, Southern University, New Orleans, USA.
Raef Jiries Assaf, Devry University, Corona USA.
Cormac Doran, Institute of Technology Blanchardstown, Ireland

ACADEMIC REVIEW COMMITTEE

Chayanan Kerdpitak, CK Research, Thailand
Kai Heuer, Wismar University of Business School, Germany
Ebrahim Soltani, University of Kent, Canterbury, UK
Tariq Khan, Brunel University, London, UK
Gilbert Nartea, Lincoln University, New Zealand
Marian S. Stachowicz, University of Minnesota, USA
Per Engelseth, Molde University College, Norway
Phaopak Sirisuk, King Mongkut's Institute of Technology Ladkrabang, Thailand
Susan L. Solis, Asian Institute of Tourism, University of the Philippines
Kamon Budsaba, Thammasart University, Thailand
Aruna Apte, Naval Postgraduate School, USA
Vinod Singhhal, Georgia Institute of Technology, USA
Hiromi Ban, Fukui University of Technology, Japan
Vipin Nadda, University of Sunderland, London UK

ORGANIZING BY

ICBTS Conference Center & CK Research Thailand

SPEAKER BACKGROUND



Professor Dr. Ebrahim Soltani

Prof. Dr. Ebrahim Soltani is a Professor of Business School at University of Kent Canterbury in England and he is Department Chair - Quality & Operations Management at Hamdan Bin Mohammed Smart University Dubai of United Arab Emirate. He was appointed associate professor in business management, total quality management, and operation management in 1989 at the University of Kent, he continued his research in the field of operation management, business management. He has published over 50 papers and reports in such journals as International Journal of Technology and Production Research. He supervised a considerable number of PhD theses and is a consultant on industrial and production industry in England and United Arab Emirate.

SPEAKER BACKGROUND



Professor Dr. Kai Heuer

Prof. Dr. Kai Heuer is full professor for business administration at the Business Faculty of Wismar University in Germany. Before, he served as a full professor at the Environmental Campus of Trier University of Applied Sciences. He studied business administration in Germany and the U.S.A. and holds an MBA and a doctoral degree. He has management experience from leading positions in different companies and as business consultant. His research areas are management accounting, organizational development, and international management where he has published numerous papers, reports and textbooks. He is the head of Master Program in Business at Wismar University and a member of the Schmalenbach-Society for Business Economics, Cologne; managing director of the Institute of Health-, Senior- and Social Management; and a former member of the board of the Centre for Aviation Law and Management.

SPEAKER BACKGROUND



Dr. Tariq Khan

Dr Tariq Khan is a Lecturer and Director of Postgraduate Programmes of Business School in Brunel University, Uxbridge, London, United Kingdom. He received his BEng in Aerospace Engineering from Kingston University, his MSc in Manufacturing Technology from University of Warwick, and his PhD in Intelligent Education Systems from University of Salford. He subsequently worked as a research associate in Heriot-Watt University Edinburgh and as a senior lecturer at London Metropolitan University. He has specialist teaching in Business Process Modelling, Web Programming ,Software Engineering, Classical Logic, Human Computer Studies. He has Book and published over 20 papers and reports in such journals as Information Systems Evaluation and Integration (ISEing). He supervised a considerable number of PhD theses and is a consultant on business and supply chain and engineering industry in England and United Kingdom.

SPEAKER BACKGROUND



Dr. Chayanan Kerdpitak

Dr. Chayanan Kerdpitak is a Lecturer and management committee of Doctor of Business Administration Programmes of College Management Innovation in Valaya Alongkorn Rajabhat University in Thailand and a management committee of CK Research Consultant in Bangkok. I was a Lecturer of Principle Marketing, Sales Management, Consumer Behavior, and Marketing Research at The Suan Dusit University in Thailand. She received a Ph.D. in the field of Business Logistics within Industrial at Ramkhamhaeng University, Thailand. She has published over 20 proceeding paper and some reports in such journals as International Journal Business and Economics Research. She has been a consultant on Import Automobile Industry from Germany for International Marketing and Marketing Research. Chayanan graduated a B.B.A and M.B.A in Business Administration from The Ramkhamhaeng University, Bangkok, Thailand (Major in Marketing).

CONTENT

INTRODUCTION	
COMMITTEE	
Conference Program	
RENEWABLE ENERGY BY PROJECT-BASED LEARNING	1
Idan Halbi, Ifaa Banner, Bosmat Shalom-tuchin, Yulia Einav, Hen Friman	
INTEGRITY OF COUNSELLING INTERVIEW AND PERCEPTION OF CLIENT’S DIGNITY AMONG EDUCATION FACULTY MEMBERS OF THE UNIVERSITY OF CALABAR, NIGERIA	8
Matthew Ojong Achigbe	
“SPIRITUAL TOURISM” THE NEW TOURIST DESTINATION FOR THAI TOURISM CASE STUDY IN “ WAT TATON” CHAING-MAI THAILAND	19
Supakit Mulpramook	
THE DIFFERENCES OF SOCIAL AND POPULATION FACTORS TOWARDS TOURISTS’ ATTITUDES TO STAYING AT GREEN HOTELS IN BANGKOK	25
Rumpapak Luekveerawattana	
THE STUDY ON MEDIA EXPOSURE BEHAVIOR IN POLITICAL ISSUES OF UNIVERSITY STUDENTS	32
Veerapon Vongprasert	
THE STUDY OF APPLICANTS’ SATISFACTION OF UNIVERSITY ADMISSION SYSTEM : UNDERGRADUATE LEVEL, SUAN SUNANDHA RAJABHAT UNIVERSITY	39
Aphichart Kampoomprasert & Chontiya Ledanan	
THE STUDY OF THE PARTICIPATION OF THE PRESIDENT OF STUDENT COUNCIL ELECTION, UNDERGRADUATE PROGRAM, SUAN SUNANDHA RAJABHAT UNIVERSITY	47
Sudabhorn Arundee & Barameeboon Sangchan	
EVALUATION OF TWO FACTORS ON BEGINNER LEARNERS’ FLUENCY	52
Alireza Behfar, Meira Levinson, Nancy Hill	
BOROBUDUR TEMPLE WORLD HERITAGE SITE AUDIT	61
Anggi Marisa Lubis	
9/11 THE DOMESTICS CRUSADERS REGISTERS VIOLENCE AGAINST MUSLIMS FOLLOWING 9/11	73
Rehab Farouk and Mona Anwar	
THE STUDY OF SATISFACTION OF THE DEVELOPMENT OF GRADE VALIDATION SYSTEM BASED ON CURRICULUM STRUCTURE, UNDERGRADUATE STUDENTS, SUAN SUNANDHA RAJABHAT UNIVERSITY	104
Aphichart Kampoomprasert & Wanwika Sattaworn	
DEVELOPMENT OF A SOLUTION TO THE TRAFFIC ISSUES INSIDE SUAN SUNANDHA RAJABHAT UNIVERSITY	111
Wicha Khankham & Dr.Komol Paisan	
ROLE OF PROVINCIAL GOVERNOR IN CONTROL OF LOCAL ADMINISTRATION ORGANIZATIONS: CASE STUDY NONGBUALAMPHU PROVINCE	119
Barameeboon Sangchan & Sudabhorn Arundee	
ACTING AS A TOOL TO EXPRESS POWER OF MEDIUM	127
Kusuma Teppharak	
EQUIPMENT DESIGN TO CREATE TIE-DYE FABRIC PATTERN	132
Tanutpong Phriwanrat	
WICKERWORK PROCESS ANALYSIS APPLY FOR HOME DECORATION DESIGN: PRANEE HANDICRAFT SING BURI THAILAND	138
Akapong Inkuer	
SOUVENIRS DESIGN FROM ARTS AND CULTURAL	142
Noppadon Sangwalpetch	
GERMAN LEADERSHIP IN EU FOREIGN POLICY AFTER EUROZONE CRISIS?	147
Merve Yavuz	

ESL BASIC LEARNERS: PERSONAL HISTORIES OF WRITING	161
Ketkanda Jaturongkachoke, Supath Kookiattikoon and Supamit Chanseawrassamee	
THE INFLUENCE OF AN INTERVENTION PROGRAM IN THE FIELD OF TIME MANAGEMENT, AMONG STUDENTS WITH LEARNING DISABILITIES AND ADHD-STRATEGIC VIEW	169
Anat Frishman Shitrit and Ofira Tykochinsky	
THAI PERFORMING ARTS IN KING PRAJADHIPOK'S LAWS	170
Manissa Vasinaron	
FABRIC PRINTING DESIGN OF SARONG AS A RESULT OF A STUDY OF TEXTILE PATTERNS OF LAO-SONG (THAI SONG DAM) , SUPHAN BURI PROVINCE	176
Suwit Sadsunk	
THE ART OF THE FABRIC PATTERN DESIGN BY STUDYING THE WOODEN CARVING ON GINGERBREAD IN VIMANMEK MANSION IN THAILAND	185
Chanoknart Mayusoh	
MAINTAINING SIGNIFICANCE OF REALIA IN TRANSLATED PLAY	194
Nataporn Rattanachaiwong	
A WESTERN TREATMENT OF NONWESTERN NATIONAL IDENTITY: A CASE STUDY OF <i>THE KING AND I</i>	200
Chutima Maneewattana	
FINANCIAL STABILITY IN SAMUT SONGKRAM FROM HOUSEHOLD SAVING POTENTIAL	205
Krisada Sungkhamanee & Piyadhida Sungkhamanee	
VITAL FACTORS OF RECENTLY GRADUATES FOR APPLYING JOBS IN ASEAN LABOR MARKET	213
Natnaporn Aeknarajindawat	
TOURISM STRATEGY IN THE SUN TRIANGLE ANALYSIS WITH THE THEORY BASED ON RESOURCES AND INSTITUTIONAL THEORY	217
José G. Vargas-Hernández and Lic. Ana Yanetly Arias Orozco	
CULTURAL AND ART EDUCATION: A MEANS FOR SOCIAL STABILITY IN NORTHERN GHANA	226
Eric Appau Asante and Mavis Donkor	
EXAMINING MOTIVATION TO TEACH LEVELS OF PRE-SERVICE TEACHERS IN TERMS OF SOME VARIABLES	227
Ipek Som Onal	
FEASIBILITY STUDY OF IMPLEMENTATION OF COACHING IN TRAINING OF NURSES IN BAHMAN HOSPITAL IN TEHRA (IRAN)	228
Mohammad Ghahramani	
EXPLORING THE EFFECT OF TECHNOLOGY SUPPORTED COLLABORATIVE LEARNING ON CREATIVE THINKING SKILLS OF PRE-SERVICE TEACHERS	229
Erhan ÜNAL, Fatih ÖZDİNÇ	
ASTIN THEORY AND SOCIAL NETWORKS	230
Elham Akbari and Hamid Abdollahian	
FACTORS DEVELOPMENT OF PHYSICAL ABILITY OF STRIKER FOOTBALL PLAYER: A CASE STUDY OF THAILAND	245
AVM. Adinan Jarayapan & Bhasana Soraphetphisai	
HOTEL BUSINESS DEVELOPMENT WAY TO REACH SERVICE STANDARD FOR SUPPORTING SENIOR TOURISTS IN THE AREA OF AMPHAWA DISTRICT, SAMUTSONGKRAM	249
Benjaporn Yaemjamuang, Monrat Jaiuea & Tassanee Naksanee	
KNOWLEDGE MANAGEMENT FOR WRITING RESEARCH PROPOSAL	253
Wanvisa Saisanan Na Ayudhaya	
DEVELOPMENT FOR 21st CENTURY SKILLS BY USING PROCESSES OF RESEARCH BASED LEARNING	258
Poonyapon Chanfoy	
ACTIVE LEARNING BY USING PROCESSES OF PROBLEM BASED LEARNING	263
Suphanwadee Waiyaroop & Bhanit Yenkhæ	
KNOWLEDGE MANAGEMENT: GUIDE TO WRITE A RESEARCH PROPOSAL	270
Yanika Chuentako, Tassanee Siriwan, Taksina Bunbut, Nalin Simasathaiansophon, Supaksiri Prakarncharoen	

UNIVERSAL DESIGN FOR WARD PATIENTS GOVERNMENT HOSPITAL Jitravadee Roongin Kunkar & Niafifah Tohsareh	274
ORGANIZED ACTIVE LEARNING BY INSTRUCTIONAL MODEL WITH PROJECT BASED LEARNING Sirimanee Banjong, Kannikar Bhiromrat and Teerarat Tipjaradmetha	281
AMERICA FIRST, WHO IS SECOND? MEDIATION OF A DESTINATION IMAGE THROUGH HUMOR AND POLITICAL SATIRE Maja Turnsek Hancic and Petr Janecek	287
DESIGNING A SUITABLE E-LEARNING SYSTEM BASED ON A SURVEY OF THE USE OF SYSTEMS AT TOP UNIVERSITIES FROM THE ARWU RANKING Viktoria Fabusova, Juraj Fabus, Maria Matuskova	296
INNOVATIVE ACADEMY PROPECT-DISINFECTION OF EFFLUENTS WITH RENEWABLE Hen Friman, Faina Nakonechny	307
HOW PARTICIPATION IN CAMPUS RECREATION PROGRAMMING IMPROVES STUDENT RENTETION James G. Archibald	312
SPANISH FRANCHISING: EXPLAINING OWNERSHIP Rosa M, Mariz Pérez	313
ORGANIZED ACTIVE LEARNING BY CREATIVE BASED LEARNING Chompunuj Limlertmonkol & Weerapoj Ruttanawarn	322
PARTICIPATORY LEARNING: FROM THEORY TO PRACTICE IN PSYCHOLOGY FOR TEACHER COURSE Panuwat Sivaskunraj	327
THE DEVELOPMENT OF ONLINE ADMISSION FOR GRADUATE STUDENTS, SUAUN SUNANDHA RAJABHAT UNIVERSITY Somdech Rungsisawat & Khatcharin Thapthimthet	331
KNOWLEDGE MANAGEMENT FOR THE GUIDELINES OF INFORMATION RESOURCE ACQUISITION: A CASE OF ACADEMIC RESOURCE CENTER, SUAN SUNANDHA RAJABHAT UNIVERSITY Nitima Kaewmanee, Ganratchakan Ninlawan & Prapat Pawinun	337
DEVELOPMENT OF THE “I” SYSTEM FOR THE CORRECTION OF INTERNET LEARNING VIA THE INTERNET SUAN SUNANDHA RAJABHAT UNIVERSITY Somdech Rungsisawat & Pinyaphat Kongsorn	343
TECHNIQUE OF FOLLOW UP ON WORK PROGRESS IN OFFICE ADMINISTRATION Nipawan Tharasak & Sittichai Thammasane	348
KNOWLEDGE ON FOLLOWING-UP AND RECORDING ACCORDING TO PERSONNEL DEVELOPMENT TRAINNING Khwanchai Sukkon & Supassawee Morakul	354
PROBLEM-BASED LEARNING WITH MATHEMATICS TEACHING : PRINCIPLES AND GUIDELINES Teerawit Tinprapa	359
MERITS AND DEMERITS OF DECENTRALISATION IN HIGHER EDUCATION: A CASE STUDY OF ONE HIGHER EDUCATION INSTITUTION IN SOUTH AFRICA Cishe, Elphinah Nomabandla	364
CHANGES OF NATIONALISM AND WORLD ORDER IN LANGUAGE POLICY: MANDATORY SWEDISH LANGUAGE STUDY IN FINLAND Janne Väistö, PhD-student	365
THE EFFECT OF JOINT AUDIT ON AUDIT QUALITY: EMPIRICAL EVIDENCE FROM COMPANIES LISTED ON THE EGYPTIAN STOCK EXCHANGE Mahmoud Ghanem Mahmoud, Abd El Wahab Nasr Ali and Hebatallah Abd El Salam Badawy	366
PARENTAL EDUCATION BACKGROUND AND STUDY MATERIALS AS CORRELATES OF ACADEMIC PERFORMANCE OF SECONDARY STUDENTS IN ABIA STATE Beatrice Okore Ogbonnaya	367
THE EFFICACY OF EXPLICIT INSTRUCTION ON IMPLICIT AND EXPLICIT KNOWLEDGE OF ENGLISH ARTICLES Faten A. Alarjani	368
RBL : THE DEVELOPMENT OF LEARNERS' LEARNING SKILLS Teeraporn Plailek	378

THE NATURE AND USE OF RESEARCH-BASED LEARNING FOR ENHANCING PRE-SERVICE TEACHERS' RESEARCH SKILLS	384
Sasiporn Phongploenpis	
KNOWLEDGE MANAGEMENT FOR PROCESS DEVELOPMENT: INFORMATION RESOURCES CLASSIFICATION AND CATALOGING IN THE LIBRARY OF SUAN SUNANDHA RAJABHAT UNIVERSITY	390
Supaporn Wongsa, Supaporn Jaisook, Ganratchakan Ninlawan and Sirilak Ketchaya	
THE STUDY OF TECHNOLOGY ASSISTED OFFICE ADMINISTRATION OF SUAN SUNANDHA RAJABHAT UNIVERSITY	395
Suntaree Patcharaprateep, Pornkiat Phakdeewongthep & Wannee Sutthachaidee	
THE EXPOSURE AND SATISFACTION OF THE GRADUATE STUDENTS FOR THE CHANNAL OF THE INFORMATION AT SUANSUNANDHA RAJABHAT UNIVERSITY	399
Phakit Treesakult & Netdao Yooyong	
FLIP IT AROUND: THE POSITIVE IMPACT THAT THE REFINED FLIPPED CLASSROOM MAY HAVE ON REDUCING THE BLACK ASIAN MINORITY ETHNIC (BAME) ATTAINMENT GAP	404
Charles Wild	

2017 ICBTS CONFERENCE BERLIN PROGRAM

The 2017 ICBTS International Multidiscipline Research Conference	
23 October 17 9.00- 09.30 (M)	REGISTRATION & WELCOME Welcome meeting at The Park Inn by Radisson Berlin City West, Germany
	Academic Advisory & Session Chair Professor Dr. Kai Heuer, Germany Dr. Hen Friman, Israel
23 October 17(M)	Session A
23 October 17(M) 09.00-10.30 (M)	<p>Session A1</p> <p>Paper 1(23) DEVELOPMENT FOR 21ST CENTURY SKILLS BY USING PROCESSES OF RESEARCH BASED LEARNING Asst. Prof. Poonyapon Chanfoy</p> <p>Paper 2(24) ACTIVE LEARNING BY USING PROCESSES OF PROBLEM BASED LEARNING Asst. Prof. Suphanwadee Waiyaroop</p> <p>Paper 3(27) ORGANIZED ACTIVE LEARNING BY INSTRUCTIONAL MODEL WITH PROJECT BASED LEARNING Asst. Prof. Sirimaneer Banjong</p> <p>Paper 4(29) PARTICIPATORY LEARNING: FROM THEORY TO PRACTICE IN PSYCHOLOGY FOR TEACHER COURSE Mr. Panuwat Sivaskunraj</p> <p>Paper 5(35) PROBLEM-BASED LEARNING WITH MATHEMATICS TEACHING: PRINCIPLES AND GUIDELINES Mr. Teerawit Tinprapa</p> <p>Paper 6(132) LANGUAGE TEACHING AND LEARNING OPINIONS ON CULTURAL DIVERSITY Awwal Ibrahim Dansadau</p>
10.31 - 10.45	Morning Break
10.46 - 12.00	<p>Session A 2</p> <p>Paper 1(36) RB : THE DEVELOPMENT OF LEARNERS' LEARNING SKILLS Mrs. Teeraporn Plailek</p> <p>Paper 2(37) THE NATURE AND USE OF RESEARCH-BASED LEARNING FOR ENHANCING PRE-SERVICE TEACHERS' RESEARCH SKILLS Dr. Sasiporn Phongploenpis</p> <p>Paper 3(33) TECHNIQUE OF FOLLOW UP ON WORK PROGRESS IN OFFICE ADMINISTRATION Miss Nipawan Tharasak</p> <p>Paper 4(39) THE STUDY OF TECHNOLOGY ASSISTED OFFICE ADMINISTRATION OF SUANSUNANDHARAJABHAT UNIVERSITY Miss Suntaree Patcharaprateep</p>

	<p>Paper 5(144) Examining Motivation to Teach Levels of Pre-Service Teachers in Terms of Some Variables Ipek Som Onal</p>
12.01-13.00	Lunch Break
13.01-15.00	<p>Session A 3</p> <p>Paper 1(9) ACTING AS A TOOL TO EXPRESS POWER OF MEDIUM Dr. Kusuma Teppharak</p> <p>Paper 2(10) EQUIPMENT DESIGN TO CREATE TIE-DYE FABRIC PATTERN Mr. Tanutpong Phriwanrat</p> <p>Paper 3 (11) WICKERWORK PROCESS ANALYSIS APPLY FOR HOME DECORATION DESIGN: PRANEE HANDICRAFT SING BURI THAILAND Mr. Akapong Inkuer</p> <p>Paper 4 (12) SOUVENIRS DESIGN FROM ARTS AND CULTURAL Mr. Noppadon Sangwalpetch</p> <p>Paper 5(13) THAI PERFORMING ARTS IN KING PRAJADHIPOK'S LAWS Asst. Prof. Manissa Vasinarom</p> <p>Paper 6(116) ESL Basic Learners: Personal Histories of Writing Ketskanda Jaturongkachoke and Supat Kookiattokoon and Supamit Chanseawrassamee</p> <p>Paper 7(150) Feasibility Study of Implementation of Coaching in Training of Nurses in Bahman hospital in Tehran (IRAN) Associate Prof. Dr. Mohammad Ghahramani and Fatemeh Hydari</p> <p>Paper 8(127) Renewable Energy by Project-based learning Hen Friman and Idan Halbi and Ifaa Banner and Bosmat Shalom-tuchin and Yulia Einav</p>
15.00- 15.15	Afternoon Break
15.16 - 17.00	<p>Session A 4</p> <p>Paper 1 (14) FABRIC PRINTING DESIGN OF SARONG AS A RESULT OF A STUDY OF TEXTILE PATTERNS OF LAO-SONG (THAI SONG DAM), SUPHAN BURI PROVINCE Mr. Suwit Sadsunk</p> <p>Paper 2 (15) THE ART OF THE FABRIC PATTERN DESIGN BY STUDYING THE WOODEN CARVING ON GINGERBREAD IN VIMANMEK MANSION IN THAILAND Mrs. Chanoknart Mayusoh</p> <p>Paper 3 (17) A WESTERN TREATMENT OF NONWESTERN NATIONAL IDENTITY: A CASE STUDY OF <i>THE KING AND I</i> Asst. Prof. Dr. Chutima Maneewattana</p> <p>Paper 4 (16) MAINTAINING SIGNIFICANCE OF REALIA IN TRANSLATED PLAY Dr. Nataporn Rattanachaiwong</p> <p>Paper 5(40) THE EXPOSURE AND SATISFACTION OF THE GRADUATE STUDENTS FOR THE CHANNAL OF THE INFORMATION AT SUANSUNANDHA RAJABHAT UNIVERSITY Miss Netdao Yooyong</p> <p>Paper 6(128) AN EVOLUTION PERSPECTIVE ON THE ROLE OF UNIVERSITIES IN REGIONAL INNOVATION</p>

	<p>Jong-Ho LEE</p> <p>Paper 7(124) PLANNING SCHOOL FEEDING POLICY TOWARDS ECONOMIC DIVERSIFICATION IN AFRICA Shuaibu Saminu</p>
23 October 17(M)	Session B
23 October 17(M) 09.00-10.30 (M)	<p>Session B1</p> <p>Paper 1(1) “SPIRITUAL TOURISM” THE NEW TOURIST DESTINATION FOR THAI TOURISM CASE STUDY IN “WAT TATON” CHAING-MAI THAILAND Dr. Supakit Mulpramook</p> <p>Paper 2 (3) THE STUDY ON MEDIA EXPOSURE BEHAVIOR IN POLITICAL ISSUES OF UNIVERSITY STUDENTS Mr. Veerapon Vongprasert</p> <p>Paper 3 (5) THE STUDY OF THE PARTICIPATION OF THE PRESIDENT OF STUDENT COUNCIL ELECTION, UNDERGRADUATE PROGRAM, SUAN SUNANDHA RAJABHAT UNIVERSITY Asst. Prof. Dr. Sudabhorn Arundee</p> <p>Paper 4 (8) ROLE OF PROVINCIAL GOVERNOR IN CONTROL OF LOCAL ADMINISTRATION ORGANIZATIONS : CASE STUDY NONGBUALAMPHU PROVINCE Dr. Barameeboon Sangchan</p> <p>Paper 5 (18) FINANCIAL STABILITY IN SAMUT SONGKRAM FROM HOUSEHOLD SAVING POTENTIAL Dr. Krisada Sungkhamanee</p> <p>Paper 6 (104) THE IMPACT OF “PIPELINE DIPLOMACY” ON CONFLICT RESOLUTION IN THE CAUCASUS-CASPIAN REGION-THE CASE OF AZERBAIJAN AND AFGHANISTAN Dogan Girgin</p>
10.31 - 10.45	Morning Break
10.46 - 12.00	<p>Session B 2</p> <p>Paper 1 (21) HOTEL BUSINESS DEVELOPMENT WAY TO REACH SERVICE STANDARD FOR SUPPORTING SENIOR TOURISTS IN THE AREA OF AMPHAWA DISTRICT, SAMUTSONGKRAM Miss Benjaporn Yaemjamuang</p> <p>Paper 2 (22) KNOWLEDGEMANAGEMENT FOR WRITING RESEARCH PROPOSAL Miss Wanvisa Saisanan Na Ayudhaya</p> <p>Paper 3 (26) UNIVERSAL DESIGN FOR WARD PATIENTS GOVERNMENT HOSPITAL Mrs. Jitravadee Roongin Kunkar</p> <p>Paper 4 (2) THE DIFFERENCES OF SOCIAL AND POPULATION FACTORS TOWARDS TOURISTS’ ATTITUDES TO STAYING AT GREEN HOTELS IN BANGKOK Dr. Rumpapak Luekveerawattana</p> <p>Paper 5 (111) MEDIATISATION OF URBAN PLANNING AND THE PUBLIC SPHERE: TOWARDS ENABLING AND JUST PLANNING PROCESS CASE OF EGYPT Mennatullah Hendawy</p>

12.01- 13.00	Lunch Break
13.01-15.00	<p>Session B 3</p> <p>Paper 1 (30) THE DEVELOPMENT OF ONLINE ADMISSION FOR GRADUATE STUDENTS, SUAUN SUNANDHA RAJABHAT UNIVERSITY Miss Khatcharin Thapthimthet</p> <p>Paper 2 (28) ORGANIZED ACTIVE LEARNING BY CREATIVE BASED LEARNING Mrs. Chompunuj Limlertmonkol</p> <p>Paper 3 (31) KNOWLEDGE MANAGEMENT FOR THE GUIDELINES OF INFORMATION RESOURCE ACQUISITION: A CASE OF ACADEMIC RESOURCE CENTER, SUAN SUNANDHA RAJABHAT UNIVERSITY Acting Sub Lt. Nitima Kaewmanee</p> <p>Paper 4 (19) VITAL FACTORS OF RECENTLY GRADUATES FOR APPLYING JOBS IN ASEAN LABOR MARKET Dr. Natnaporn Aeknarajindawat</p> <p>Paper 5 (25) KNOWLEDGE MANAGEMENT: GUIDE TO WRITE A RESEARCH PROPOSAL Miss Yanika Chuentako</p> <p>Paper 6 (34) KNOWLEDGE ON FOLLOWING-UP AND RECORDING ACCORDING TO PERSONNEL DEVELOPMENT TRAINNING Miss Supassawee Morakul</p> <p>Paper 7 (114) AGRICULTURAL TRADE UNDER WTO REGIME: OPPORTUNITIES AND CHALLENGES Dr. MOHD ADIL</p> <p>Paper 8 (115) RACE OF RELIGIONS AND THE RICE OF RADICALISM IN WEST PAPUA INDONESIA Umar Werfete and Suparto Iribaram</p>
15.01 - 15.15	Afternoon Break
15.16 - 17.00	<p>Session B 4</p> <p>Paper 1(7) DEVELOPMENT OF A SOLUTION TO THE TRAFFIC ISSUES INSIDE SUAN SUNANDHA RAJABHAT UNIVERSITY Mr. Wichar Kunkum</p> <p>Paper 2 (6) THE STUDY OF SATISFACTION OF THE DEVELOPMENT OF GRADE VALIDATION SYSTEM BASED ON CURRICULUM STRUCTURE, UNDERGRADUATE STUDENTS, SUAN SUNANDHA RAJABHAT UNIVERSITY Miss Wanwika Sattaworn</p> <p>Paper 3 (32) DEVELOPMENT OF THE “I” SYSTEM FOR THE CORRECTION OF INTERNET LEARNING VIA THE INTERNET SUAN SUNANDHA RAJABHAT UNIVERSITY Miss Pinyaphat Kongsorn</p> <p>Paper 4 (38) KNOWLEDGE MANAGEMENT FOR PROCESS DEVELOPMENT: INFORMATION RESOURCES CLASSIFICATION AND CATALOGING IN THE LIBRARY OF SUAN SUNANDHA RAJABHAT UNIVERSITY Miss Supaporn Wongsu</p> <p>Paper 5 (4) THE STUDY OF APPLICANTS’ SATISFACTION OF UNIVERSITY ADMISSION SYSTEM : UNDERGRADUATE LEVEL, SUAN SUNANDHA RAJABHAT UNIVERSITY Miss Chontiya Ledanan</p>

	<p>Paper 6 (116) THE EFFECTIVENESS OF USING GAMES IN LEARNING ENGLISH VOCABULARY: AN ANALYTIC IN THE SAUDI ARABIAN CONTEXT Ayedh Dhawi Mohammed Almohanna, Saudi Arabia</p> <p>Paper 7 (133) SOCIAL MEDIA AND ARABIC: CODE-SWITCHING AMONGST ALGERIAN STUDENTS LIVING IN THE UK Linda Merzougui</p>
24 October 17(T)	Session C
24 October 17 (T) 09.30 – 10.30	<p>Session C1</p> <p>Paper 1(48) GERMAN LEADERSHIP IN EU FOREIGN POLICY AFTER EUROZONE CRISIS? Merve Yavuz</p> <p>Paper 2 (7) CULTURAL AND ART EDUCATION: A MEANS FOR SOCIAL STABILITY IN NORTHERN GHANA Dr. Eric Appau Asante and MAVIS DONKOR</p> <p>Paper 3 (53) INNOVATIVE ACADEMY PROJECT -DISINFECTION OF EFFLUENTS WITH RENEWABLE ENERGY Hen Friman and Faina Nakonechny</p> <p>Paper 4 (61) EDUCATION, BUSINESS AND AGRICULTURE: AN INTEGRATION FOR ECONOMIC TRANSFORMATION IN DEVELOPING NATIONS- THE NIGERIAN EXPERIENCE Dr. Matthew Ojong Achigbe</p>
10.31 – 10.45	Morning Break
10.46 - 12.00	<p>Session C2</p> <p>Paper 1(57) EXPLORING THE EFFECT OF TECHNOLOGY SUPPORTED COLLABORATIVE LEARNING ON CREATIVE THINKING SKILLS OF PRE-SERVICE TEACHERS Erhan ÜNAL and Fatih ÖZDİNÇ</p> <p>Paper 2 (64) ASTIN THEORY AND SOCIAL NETWORKS Dr Elham Akbari and prof Hamid Abdollahian</p> <p>Paper 3 (50) EFFECT OF PAUL THE PERSIAN'S LOGICAL WORKS ON AL-MANTIQ BY IBN AL-MUQAFFA Seyedmohammadreza Azarkasb</p> <p>Paper 4 (136) THE NECESSITY OF REGIONAL ECONOMIC INTEGRATION: A LESSON FOR SOUTH ASIA? Md. Rajin Makhdum Khan and Faizah Imam</p> <p>Paper 5 (137) AN INVESTIGATION OF SENSORY LEARNING STYLES USED BY KURDISH EFL STUDENTS AT UNIVERSITY LEVEL Dr. Hoshang Farooq Jawad and Mr. Salahaddin Saeed Khidr</p>
24 October 17(T)	Session E

<p>24 October 17 (T) 09.30 – 10.30</p>	<p>Session E1 Paper 1(141) TOURISM STRATEGY IN THE SUN TRIANGLE ANALYSIS WITH THE THEORY BASED ON RESOURCES AND INSTITUTIONAL THEORY José G. Vargas-Hernández and Lic. Ana Yanetly Arias Orozco, Mexico Paper 2 (144) CONTRADICTIONS AMONG STUDENTS OF BEING MALES AND FEMALES IN LEARNING ENGLISH AS A FOREIGN LANGUAGE. Amina Babou, Algeria Paper 3 (145) THE RELATIONSHIP BETWEEN SYSTEM OF SUGGESTIONS AND THE PRODUCTIVITY OF HUMAN RESOURCES: A CASE STUDY OF TEHRAN PROVINCE GASCO Ali Aolatshah, Iran Paper 4 (120) BLEMISHES IN SYLLABUS DESIGNING OF ENGLISH AT PRIMARY LEVEL OF EDUCATION IN PAKISTAN: AN OBSTACLE IN ATTAINING LANGUAGE PROFICIENCY Zohaib Zahid and Dr Mamuna Ghani, Pakistan</p>
<p>10.31 – 10.45</p>	<p style="text-align: center;">Morning Break</p>
<p>10.46 - 12.00</p>	<p>Session E2 Paper 1 (158) TRAVELING THROUGH THE TOURISM PROMOTION TERMINOLOGY: CONSIDERATIONS UPON THE ADOPTION OF ENGLISH TERMS IN THE OFFICIAL WEBSITES OF ROME, MILAN, LUGANO AND BELLINZONA. Claudia Maria ASTORINO Paper 2(31) ADVANCING SUSTAINABLE AGRO-TOURISM IN THE WESTERN BALKANS: INSIGHTS FROM THE KATUN PROJECT Djurdjica Perovic and Sanja Pekovic andTatjana Stanovcic andJovana Vukcevic, Montenegro Paper 3 (163) SHARING ECONOMY: THE ESTABLISHMENT OF ORGANIZATIONAL IDENTITY OVERTIME, CONSIDERING IDENTIFY CLAIMS AND LEGITIMACY GRANTING João Miguel O. Cotrim and Prof. Francisco Nunes Paper 4 (143) REGENERATING PATRIARCHY: A STUDY ON GEORGE ORWELL'S VIEWS ON WOMEN AND FEMALE CHARATER Khaled Zouaoui Paper 5 (154) SATISFACTION OF INDIVIDUAL LEARNING NEEDS IN THE INTEGRATED TEACHING/LERNING MODEL IN PRIMARY SCHOOL Professor Anita Petere</p>
<p>12.01</p>	<p style="text-align: center;">Conference Close</p>
<p>23 -24 October 17</p>	<p style="text-align: center;">Participation and Discussion</p> <ol style="list-style-type: none"> 1. Dr. Mustafa Arslan., Georgia, 2. Dr. Dr Olufemi Aramide, Nigeria 3. Dr. Asif Iqbal, China 4. Professor Wang Zhuquan, China 5. Dr. Sumit Kumar dey, India
<p>25 October 2017</p>	<p style="text-align: center;">Free day for Participants</p>

THE STUDY OF SATISFACTION OF THE DEVELOPMENT OF GRADE VALIDATION SYSTEM BASED ON CURRICULUM STRUCTURE, UNDERGRADUATE STUDENTS, SUAN SUNANDHA RAJABHAT UNIVERSITY

Aphichart Kampoomprasert* & Wanwika Sattaworn**

*Academic Services Division, Suan Sunandha Rajabhat University, Bangkok, Thailand
E-Mail: *Aphichart.ka@ssru.ac.th, **Wanwika.sa@ssru.ac.th*

ABSTRACT

The purposes of the study entitled 'the Study of Satisfaction of the Development of Grade Validation System based on Curriculum Structure, Undergraduate Students, Suan Sunandha Rajabhat University' include 1) to study the satisfaction of the development of Grade Validation System based on curriculum structure, undergraduate students, Suan Sunandha Rajabhat University, and 2) to develop Grade Validation System based on curriculum structure. Research tool is a questionnaire for evaluating the level of satisfaction prior to and after the use of Grade Validation System based on curriculum structure. Samples include 699 persons divided into two groups; 30 personnel in Academic Support Division from all Faculties and Collages, and 669 undergraduate students, Suan Sunandha Rajabhat University supposed to graduate in academic year 3/2015 from 3 Faculties and 2 Collages. Statistics employed in data analysis include Percentage, Mean (\bar{x}) and Standard Deviation (S.D).

The research findings disclose the needs of both personnel in Academic Support Division and students to use the developed Grade Validation System to validate data for graduation by accessing websites of the Registrar's Office (<http://reg.ssru.ac.th>) at the menu; Grade Validation based on curriculum structure. The system users' satisfaction of the developed system is divided into 4 aspects, namely information, form, procedure, and total satisfaction, and the satisfaction is evaluated prior to and after the use of the Grade Validation System based on curriculum structure. The users' satisfaction of the system prior to the use of the system is in high level with Mean Scores at 3.76 and S.D. at 0.62, while the users' satisfaction of the system after the use of the system is in highest level with Mean Scores at 4.32, and S.D. at 0.48.

Keywords: satisfaction, Grade Validation System based on curriculum structure, undergraduate students,

INTRODUCTION

Nowadays due to the fast growing Information Technology and its essential roles in various areas especially in Education, lots of both private and government universities use IT to serve the students and faculty members in various level of education as learning tools supporting effective education. Educational institutions have developed IT to connect global network so that students can access variety of information and news for academic purposes and information retrieval from the outside world to achieve the planned target goals and to increase efficiency and strength in educational services. These institutions have made use of IT in their operation for convenient and fast student services.

Suan Sunandha Rajabhat University is an organization emphasizing the convenience and speed of service satisfying the needs of both internal and external customers by the implementation of IT for management ranging from new student enrollment process to student graduation process, namely online new student enrollment, computerized entrance examination, grade validation based on curriculum structure, and graduate name list verification, etc. The use of IT for administration and management leads to the convenient and fast service and the reduction of the operational steps of the assigned staff.

Education Service is one of the divisions making use of IT to support additional learning of the students because of the problems concerning the validation of the graduation results. That is because the students lack the information about course lists in the curriculum of their programs leading to misunderstanding about their learning plans, such as incomplete registration required in the complete

curriculum structure. In the past the solution to this problem was that when a student proposed the request to complete his education and the staff responsible for processing the complete study found the problems, the staff would notify the problem to the student and this resulted in the delay of the student' graduation time.

In the academic year 2015, Division of Education Service designed Grade Validation System based on curriculum structure as a tool for students to primarily validate their grades based on their curriculum structure. The system groups the courses the students completed in accordance with curriculum structure as planned by the students' program of study so that the students could manage the problems in time prior to the time when students are required to complete their study and they could graduate in the specified time. After the design, Division of Education Services conducted a study entitled 'the Study of the Users' Satisfaction of the Grade Validation System Based on Curriculum Structure, Division of Education Service, Suan Sunandha Rajabhat University'. The research results disclose the students' total satisfaction of the Grade Validation System based on Curriculum Structure, (pre-usage) is at high level ($\bar{x} = 3.56$), and (post-usage) is in highest level ($\bar{x} = 4.31$). However, more problems are found in the students' registration process, namely the errors of incorrect registration in the continuation courses, and incorrect course codes. This is caused by the system limitation in unavailability of such information leading to the delay of the student' graduation time. In addition, based on the report of the staff responsible for processing the students' graduation, among students proposing for graduation in the past academic year 2015, 165 students are found making incorrect registration based on curriculum structure.

Division of Education Service has, therefore, developed additional Grade Validation System based on curriculum structure in which the incorrect registration of continuation courses, and incorrect registration will be presented including correct course codes based on curriculum structure so that students can manage to solve these problems in time before submission for their graduation. Moreover, the study of the students' satisfaction of Grade Validation System based on curriculum structure, undergraduate level, Suan Sunandha Rajabhat University will be studied so that the research results will be useful for the further improvement of the system to mostly satisfy and benefit the students.

OBJECTIVE

1. To study the satisfaction of the development of Grade Validation System based on curriculum structure, undergraduate students, Suan Sunandha Rajabhat University
2. To develop Grade Validation System based on curriculum structure

RESEARCH CONCEPT

The definition of satisfaction

Kanchana Khunarak (1997: 14) defines 'curriculum' as projects or specific plans including principles, goals, structure, activities and various materials for instructional purposes to develop learners abilities and learning by supporting individual differences to the highest capacity. [1]

Uthaiphan Sudjai (2001: 7) Satisfaction means someone's feeling or attitude towards a particular thing which could be estimated as positive or negative feeling or attitude. [2]

Pimon Meaksawas (2007: 11) defines the quality service as the distribution of good service at the right time, place and form. In terms of psychology, it is the use of human labor to satisfy the needs and expectation of customers and to gain the highest satisfaction from the service with positive impression from customers who would become returned customers, and inform others of the positive points leading to positive images of the service, as well. [3]

Related Researches

Payonthorn Sumrejkitcharoen, (2015) This research aims to compare the thinking skills academic achievement before and after group process learning technique and to study satisfaction of student from group process learning technique. Research tools consist of questionnaires and thinking skills academic achievement test. The population of this study was to use minor business computer students, faculty of management science. These are twenty people. Questionnaires were distributed to gather the data. The data of this study were analyzed by using mean (\bar{x}), standard deviation (S.D.), and paired samples t-test.

The results of the research were as follows: (1) The thinking skills academic achievement after used group process learning technique was higher than previous used with statistical significance at the .01 level

and (2) The students satisfaction in group process learning technique were the most level ($\bar{x}=4.27$). After item analysis, all of them showed mean score in the most level including learning activity ($\bar{x}=4.33$), and content ($\bar{x}=4.21$), respectively. [4]

DEFINITION OF TECHNICAL TERMS

Satisfaction means the pleasant feelings of the personnel responsible for academic affairs, and supporting academic affairs, 1st – 4th year undergraduate students and post graduate students from all faculties, collages, and learning centers both in and outside Suan Sunandha Rajabhat University towards the provision of the development of Grade Validation System based on curriculum structure, under the Office of Education Service, which is evaluated by the questionnaire constructed by the researcher.

The development of Grade Validation System based on curriculum structure means the addition of data processing in Grade Validation System for the students registered by grouping grade results of all courses based on curriculum structure, and the system will show the registered courses not in accordance with the curriculum structure with the suggested courses the students should register to complete the curriculum as a part of the study in Suan Sunandha Rajabhat University.

Service Users means personnel responsible for academic affairs, and supporting academic affairs, 1st – 4th year undergraduate students, and post-graduate students from all faculties, collages, and learning centers both inside and outside Suan Sunandha Rajabhat University.

METHODOLOGY

Samples include 767 subjects divided into 36 members of personnel responsible for supporting academic affairs from all faculties and collages, 731 graduate students expecting to graduate in the academic year 3/ 2015 from 3 faculties and 2 collages including 31 students from Faculty of Industrial Technology, 43 students from Faculty of Humanities and Social Sciences, 59 students from Faculty of Science and Technology, 414 students from Collage of Logistics and Supply Chains, and 184 students from Collage of Innovation and Management.

Research Tools

Part 1 General information of the respondents including close ended questions or check-list of personal data; gender, ages, and state and faculties/collages/learning centers.

Part 2 Questions asking about the satisfaction of the development of Grade Validation System based on curriculum structure including 4 aspects, namely information, form, steps of usage, and the overall level of satisfaction of the system.

Part 3 Open ended questions including suggestion and comments for improvement and development.

ANALYSIS CONCLUSION

In terms of personal information of the respondents, it is found that 282 respondents or 40.30 percent are male, while 417 or 59.70 percent are female. In terms of ages, most of the respondents or 677 respondents or 96.90 percent with ages between 20-30 years of age, followed by 18 respondents or 2.60 percent with ages between 31-40 years of age, 3 respondents or 0.40 percent with 41-50 years of age, and 1 respondents or 0.10 percent with more than 51 years of age, respectively. In terms of state of the respondents, it is found that most of the respondents including 514 students or 73.50 percent are full time students followed by 155 part time students or 22.20 percent, and 30 educational academicians or 4.30 percent, respectively. Moreover, most of the respondents including 436 students or 62.40 percent are educated at Logistics and Supply Chains Collage followed by 156 students or 22.30 percent from Innovation and Management Collage, 42 students or 6.00 percent from Faculty of Science and Technology, 35 students or 5.00 percent from Faculty of Humanities and Social Sciences, 19 students or 2.70 percent from Faculty of Industrial Technology, and 4 students or 0.60 percent from Faculty of Management Sciences, and 3 students or 0.40 percent from Faculty of Education, respectively.

Table 1 Information; Comparison of the satisfaction of the development of Grade Validation System based on curriculum structure (Pre-usage) and (Post-usage), Office of Education Service, Suan Sunandha Rajabhat University, classified by items

Aspects of Satisfaction	Pre-usage			Post-usage		
	\bar{X}	S.D.	level	\bar{X}	S.D.	Level
1.1 Information in the system is correct, complete and relevant to the needs	3.87	0.68	high	4.70	0.46	highest
1.2 Information can be used effectively.	3.83	0.69	high	4.35	0.48	highest
1.3 Information can be grouped by the system	3.90	0.71	high	4.24	0.68	highest
Total	3.87	0.61	high	4.43	0.44	highest

Table 1 shows that the overall level of the satisfaction of the development of Grade Validation System based on curriculum structure, undergraduate students, Suan Sunandha Rajabhat University, pre-usage, is in high level ($\bar{x} = 3.87$) and (S.D. = 0.61) while in terms of post-usage, the overall level is in highest level ($\bar{x} = 4.43$) and (S.D. = 0.44). However, in terms of item analysis of pre-usage, the students' satisfaction is in high level, and the item with highest mean scores includes the grade can be grouped by the system based on curriculum structure clearly ($\bar{x} = 3.90$) and (S.D. = 0.71), followed by the information in the system is correct, complete and relevant to the needs ($\bar{x} = 3.87$) and (S.D. = 0.68), and the information can be used effectively ($\bar{x} = 3.83$) and (S.D. = 0.69), respectively. Additionally, in terms of post-usage, the students' satisfaction is in highest level. The item with highest mean scores includes the information is correct, complete and relevant to the needs ($\bar{x} = 4.70$) and (S.D. = 0.46), followed by the information can be used effectively ($\bar{x} = 4.35$) and (S.D. = 0.48), and the information can be grouped by the system based on curriculum structure clearly ($\bar{x} = 4.24$) and (S.D. = 0.68), respectively.

Table 2 Form; Comparison of the satisfaction of the development of Grade Validation System based on curriculum structure, pre and post usage, Office of Education Service, Suan Sunandha Rajabhat University, classified by items.

Aspects of Satisfaction	Pre-usage			Post-usage		
	\bar{X}	S.D.	Level	\bar{X}	S.D.	Level
2.1 The layout of various elements of the system is easy to understand.	3.83	0.67	high	4.23	0.69	highest
2.2 The form used for presenting information is suitable.	3.83	0.70	high	4.24	0.70	highest
2.3 The design, the colors, and font size are suitable.	3.84	0.70	high	4.22	0.72	highest
Total	3.83	0.60	high	4.23	0.61	highest

Table 2 shows that the overall level of satisfaction of the development of Grade Validation System based on curriculum structure, undergraduate students, Suan Sunandha Rajabhat University, pre-usage, is in high level ($\bar{x} = 3.83$) and (S.D. = 0.60), and in terms of post-usage, the overall level is in highest level ($\bar{x} = 4.23$) and (S.D. = 0.61).

However, in terms of item analysis, pre-usage, the students' satisfaction is in high level. The item with highest mean scores includes the design, the colors and the font size is suitable ($\bar{x} = 3.84$) and (S.D. = 0.70), followed by the form used for presenting information is suitable ($\bar{x} = 3.83$) and (S.D. = 0.70), and the layout of various elements of the system is easy to understand ($\bar{x} = 3.83$) and (S.D. = 0.67), respectively. Additionally, in terms of post-usage, the students' satisfaction is in highest level. The item with highest mean scores includes the form used for presenting information is suitable ($\bar{x} = 4.24$) and (S.D. = 0.70), followed by the layout of various elements of the system is easy to understand ($\bar{x} = 4.23$) and (S.D. = 0.69), and the design, the colors, and font size is suitable ($\bar{x} = 4.22$) and (S.D. = 0.72), respectively.

Table 3 Steps of Usage; Comparison of the users' satisfaction of the development of Grade Validation System based on curriculum structure, pre and post-usage, Office of Education Service, Suan Sunandha Rajabhat University, classified by items.

Aspects of Satisfaction	Pre-usage			Post-usage		
	\bar{X}	S.D.	Level	\bar{X}	S.D.	Level
3.1 The information can be accessed quickly.	3.74	0.71	high	4.12	0.76	high
3.2 The system is easy to use not complex.	3.76	0.69	high	4.15	0.72	high
3.3 Document / Handout is clear and understandable.	3.80	0.69	high	4.19	0.71	high
Total	3.76	0.62	high	4.15	0.66	high

Table 3 discloses that the overall level of satisfaction of the development of Grade Validation System based on curriculum structure, undergraduate students, Suan Sunandha Rajabhat University, pre-usage, is in high level ($\bar{X} = 3.76$) and (S.D. = 0.62), and in terms of post-usage, the overall level of satisfaction is in highest level ($\bar{X} = 4.15$) and (S.D. = 0.66). However, in terms of item analysis, post-usage, the students' level of satisfaction is in high level. The item with highest mean scores includes the document / handout is clear and understandable ($\bar{X} = 3.80$) and (S.D. = 0.69), followed by the system is easy to use not complex ($\bar{X} = 3.76$) and (S.D. = 0.69), and the information can be accessed quickly ($\bar{X} = 3.74$) and (S.D. = 0.71), respectively. Moreover, in terms of post-usage, the students' satisfaction is in high level. The item with highest mean scores includes document / handout is clear and understandable ($\bar{X} = 4.19$) and (S.D. = 0.71), followed by the system can be used easily not complex ($\bar{X} = 4.15$) and (S.D. = 0.72), and the information can be accessed quickly ($\bar{X} = 4.12$) and (S.D. = 0.76), respectively.

Table 4 Comparison of the satisfaction of the development of Grade Validation System based on curriculum structure, pre and post usage, Office of Education Service, Suan Sunandha Rajabhat University, classified by aspects.

Aspects of Satisfaction	Pre-usage			Post-usage		
	\bar{X}	S.D.	Level	\bar{X}	S.D.	Level
1. Information	3.87	0.61	high	4.43	0.44	highest
2. Form	3.83	0.60	high	4.23	0.61	highest
3. Steps of usage	3.76	0.62	high	4.15	0.66	high
4. The overall level of the use of Grade Validation System based on curriculum structure	4.07	0.70	high	4.79	0.41	highest
Total	3.85	0.54	high	4.32	0.48	highest

Based on Table 4, it is found that the overall level of the satisfaction of the development of Grade Validation System based on curriculum structure, undergraduate students, Suan Sunandha Rajabhat University, pre-usage, is in high level ($\bar{X} = 3.85$) and (S.D. = 0.54), and in terms of post-usage, the level of satisfaction is in highest level ($\bar{X} = 4.32$) and (S.D. = 0.48). However, in terms of item analysis, pre-usage, it is found that the students' satisfaction is in high level, and the item with highest mean scores includes the overall image of the use of Grade Validation System based on curriculum structure ($\bar{X} = 4.07$) and (S.D. = 0.70), followed by information ($\bar{X} = 3.87$) and (S.D. = 0.61), form ($\bar{X} = 3.83$) and (S.D. = 0.60), and steps of usage ($\bar{X} = 3.76$) and (S.D. = 0.62), respectively, and in terms of post-usage, the students' satisfaction is in highest level. The item with highest mean scores includes the overall satisfaction of the use of Grade Validation System based on curriculum structure ($\bar{X} = 4.79$) and (S.D. = 0.41), followed by information ($\bar{X} = 4.43$) and (S.D. = 0.44), form ($\bar{X} = 4.23$) and (S.D. = 0.61), respectively. Aspects of steps of usage is in high level ($\bar{X} = 4.15$) and (S.D. = 0.66).

CONCLUSION

1. General Information: The samples include 699 respondents consisting of 282 males or 40.30 percent, and 417 females or 59.70 percent. In terms of ages, most of the respondents or 677 respondents or

96.90 percent with ages between 20-30 years of age, followed by 18 respondents or 2.60 percent with ages between 31-40 years of age, 3 respondents or 0.40 percent with 41-50 years of age, and 1 respondents or 0.10 percent with more than 51 years of age, respectively. In terms of state of the respondents, 73.50 percent of the respondents are full time students followed by 22.20 percent of part time students, and 4.30 percent of educational academicians, respectively. Moreover, 62.40 percent are educated at Logistics and Supply Chains Collage followed by 22.30 percent from Innovation and Management Collage, 6.00 percent from Faculty of Science and Technology, 5.00 percent from Faculty of Humanities and Social Sciences, 2.70 percent from Faculty of Industrial Technology, and 0.60 percent from Faculty of Management Sciences, 0.40 percent from Faculty of Education, and 0.30 percent from Collage of Allied Health Sciences, and Suan Sunandha International School of Art, respectively

2 . The overall level of the undergraduate students' satisfaction of the development of Grade Validation System based on curriculum structure, Suan Sunandha Rajabhat University, pre-usage is in high level ($\bar{x} = 3.85$), while that of the post-usage is in highest level ($\bar{x} = 4.32$). In terms of item analysis, the total level of the satisfaction of Grade Validation System based on curriculum structure, pre-usage, in all items is in high level. The item with highest mean scores includes the overall pre-usage of the Grade Validation System based on curriculum structure ($\bar{x} = 4.06$) followed by Information ($\bar{x} = 3.87$), Form ($\bar{x} = 3.83$), and Steps of Usage ($\bar{x} = 3.76$), respectively. However, the overall level of the satisfaction of Grade Validation System based on curriculum structure, post-usage, in all items is in highest level. The item with highest mean scores includes the overall post-usage of the Grade Validation System based on curriculum structure ($\bar{x} = 4.79$) followed by Information ($\bar{x} = 4.43$), and form ($\bar{x} = 4.23$), while Steps of Usage is in high level ($\bar{x} = 4.15$).

DISCUSSION

1. Since a group of respondents include educational academicians responsible for supporting faculty academic affairs, these academicians are invited by the Office of Education Service to join meetings to study steps of the usage of Grade Validation System based on curriculum structure, to publicize the preliminary information about how to access the system to the students, and to solve the problems by giving basic instructions to the students. This is an additional channel of informing the students of the Grade Validation System based on curriculum structure. Moreover, since the Grade Validation System based on curriculum structure is designed for the students or most of the respondents, the additional functions added by Office of Education Service include the information concerning the incorrect registration of the continuation courses, and incorrect course code of the registered course with the correct code based on curriculum structure, and this could serve the needs of the students.

2. Based on the findings that the overall level of the undergraduate students' satisfaction of Grade Validation System based on curriculum structure, Suan Sunandha Rajabhat University, pre-usage is in high level, while that in post-usage is in highest level, the number of students with incorrect registration of continuous courses, and incorrect course code registration is decreasing. That is based on the report about graduation students by personnel in Graduation Processing Unit in the academic year 2015, the errors in incorrect registration of continuous courses, and incorrect course code registration are cause by 165 cases while in academic year 2016 these errors are caused by 125 cases. This shows that the students pay high attention to access the system, and it is regarded as addition channel for students to validate their grades leading to self-validation and in case there are errors, students will have enough time to manage to solve the problems in time to submit the request for graduation prior to the announcement of name lists of the graduates in that academic year.

3. In reference to the undergraduate students' satisfaction of the Grade Validation System based on curriculum structure, Suan Sunandha Rajabhat University in terms of item analysis, it is found that the item concerning steps of usage is in high level (pre-usage) ($\bar{x} = 3.76$), and for post-usage, this item is also in high level ($\bar{x} = 4.15$). However, the items concerning information and form are in high level (pre-usage), and in highest level (post-usage). This points out that there is an increase in the satisfaction. For the item concerning the overall usage of the system, the satisfaction of this item is in high level in both pre-usage and post-usage, but the mean scores of post-usage is higher. Anyway in terms of in-depth notice it is found that the mean scores of the item concerning the information can be accessed quickly is lowest. That is because a

lot of online activities through Registrar's Office www.reg.ssrui.ac.th , namely advisor evaluation, and grade result checking for each semester, etc. are required to be completed at nearly the same period of time, a large number of students access the university websites and this leads to the delay of the system, and some students' inability to access the system. However, today Registrar's Office added more Servers to increase the speed and to allow more students to access the websites at the same time.

ACKNOWLEDGMENTS

The author would like to thank the Research and Development Institute, Suan Sunandha Rajabhat University, Bangkok, Thailand for the financial support.

REFERENCE

- [1] Kanchana Khunarak, (1997). Theory of Curriculum. Retrieved from <https://www.sites.google.com/site/phathnahlaksutr050/thvsti-hlaksutr>, PP 14
- [2] Uthaiphan Sudjai, (2001) . The Users' Satisfaction of the Service of Telephone Organization of Thailand, Chonburi Province. Theses of Master of Arts, Kasertsart University, PP 7
- [3] Pimon Meaksawas, (2007). The Quality Evaluation of the Service of Central Library, Srinakharinwirot University. Bangkok: Srinakharinwirot University, PP 11
- [4] Payonthorn Sumrejkitcharoen, (2015). The Outcome of Group Process Learning Technique Promoting Thinking Skills : A Case Study of Business Computer Students, Faculty of Management Science, Suan Sunandha Rajabhat University.