Digital Model for Distance Education Management in Thai Supply Chain

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***Abstract*— The purposes of a study were to study and to evaluate digital model for distance education management in Thai supply chain . The samples are ten experts in the field of digital ,supply chain and curriculum . The data is analysed by means and standardized deviations. The paper result shows that a simulation consists of seven elements namely main elements, Suppliers, Manufacturer, ,finished product ,Customers, satisfaction and Return The assessment of a simulation using Black-Box testing. The paper findings revealed that a simulation is appropriate at the high which mean that Digital model for distance education management in Thai supply chain could be applied in support the tasks**

Keywords*—digital model , Distance education management, Thai supply chain***

1. Introduction

The Open University of Thailand, a higher education institution that uses an open and remote learning model, will have provided 30 years of service to the Thai people. Since the university's inception, the global movement toward lifelong learning, which depends on the assistance of contemporary telecommunications and electronic media, has been acknowledged. These innovations have made it possible for open universities to effectively spread knowledge among the populace. In order to create a knowledge-based society in Thailand, the university has set up educational programs that incorporate a variety of media, including written materials, radio and television shows, and electronic media. An open university will focus on advancing Thailand into a knowledge-based society, using cutting-edge technology, and helping the populace."With open University, everyone can learn at any time, anywhere. In the meantime, the Thai Ministry of Education is the primary provider of the country's educational system. Six years of elementary/primary school and six years of high/secondary school make up the two main levels of education. Following changes made by the Ministry in 2001, the educational system is now divided into four levels: the first level consists of the first three years of elementary school; the second level comprises the remaining half; the third level comprises the first three years of high school; and the final level comprises the remaining half of high school. Students must pass the NET (National Educational Test) after each level in order to graduate..[27] So The remote learning system uses digital technologies and supply chain management concepts. It will be optional due to the company's need to be exceptionally competitive in light of the escalating levels of both domestic and international competition. In order to be highly competitive, organizations in the industry seek employees with knowledge, aptitude, and skills who can work successfully to increase production. So, in order to enhance their standards and satisfy client demand, the enterprises must have sufficient digital and resource skills. The supply chain management process is therefore a critical activity in order to support the organization's full system of activities from upstream to downstream. With it, the company may swiftly verify the information system to make sure that it is accurate. [1] According to realization, researcher has decided develop and evaluate digital model for distance education management in Thai supply chain for use in applications that will boost consumer pleasure.

2. Related work

Chansamut (2021) said that noted that the supply chain operation model in digital for curriculum management base on Thailand qualification framework for higher education has seven main components: 1) Basic components 2) Vendors (3) College (4) Product (5) Customer (6) Satisfaction 7) Comments. The goal of this study was to create and assess supply chain operation model in digital for curriculum management base on Thailand qualification framework for higher education 15 experts were chosen for the sample using purposive sampling. Means and standardized deviations are used to analyze the data. Black-Box Testing, which is a test of the entire system's functionality to determine whether the working methods are accurate and in line with the desired objectives, forms the basis for the measurement and evaluation of information systems.

Chansamut (2022) said that a digital service supply chain model for ASEAN university network quality assurance at institutional level. the study of a digital service supply chain model for institutional ASEAN universities network

Quality Assurance. The goal of the study is to create and evaluate the viability of a digital service supply chain model for ASEAN University Network Quality Assurance at the institutional level. The sample group was composed of fifteen subject matter experts in supply chains, research, and information systems. The data are statistically examined using means and standardized deviations. The study's findings demonstrate the need for a digital service supply chain model for ASEAN University Network Quality Assurance at the institutional level. consists of 8 major components, including: 1) main components 2) Vendors and services 3) College 4) Clients 5)consumer Feedback: 6 Satisfaction: 7. the outcomes of 15 expert services

One element of the supply chain that can provide both better performance is the digital system. It makes it possible for curriculum to save important data in an easily accessible format and aids in making operational and planning decisions. Software and network technology adoption and successful deployment play a significant role in the success of the supply chain by enabling information flow and improving the effectiveness of supply chain activities.

Seven components make up the digital model for distance education management in Thai supply chain the key components, Suppliers, Manufacturers, finished product, Consumers, satisfaction, and Refund. In order to fulfill its main issue, which is guaranteeing continuity between the data flow to optimize curriculum supply, all comprehensive view of a sub-component in terms and data flows in supply chain is required.[6]

3. Research Methodology

3.1 Analyzes the study outlining the development of digital model for distance education management in Thai supply chain

3.2: Development and assessment of digital model for distance education management in Thai supply chain

3.3 The choice of 10 professionals to assess digital model for distance education management in Thai supply chain

3.4 Create a survey for digital model for distance education management in Thai supply chain

3.5 Show the 10 experts,5 supply chain experts, 2 digital experts, and 3 curriculum experts—how to use the developed digital model for distance education management in Thai supply chain.

3.6 Analyze the results of the mean and standard deviation analysis of the performance about digital model for distance education management in Thai supply chain.

4. Results

Digital model for distance education management in Thai supply chain are shown in figure 1 for the detailed information on the components of digital model for distance education management in Thai supply chain as shown below:

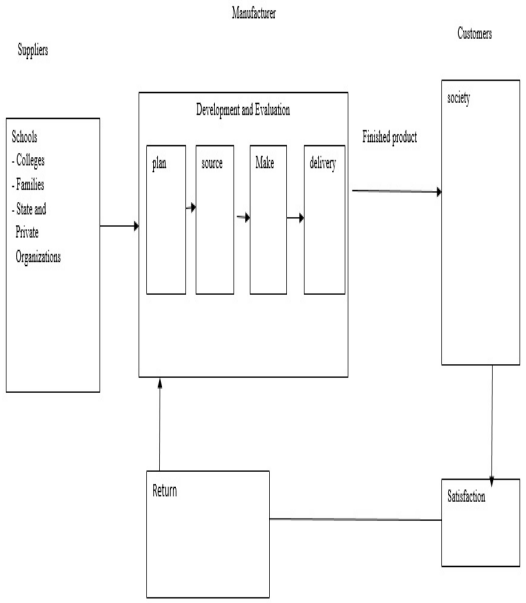

Figure 1: Digital model for distance education management in Thai supply chain

Describe about digital model for distance education management in Thai supply chain

1.Suppliers

Suppliers mean the businesses that provide the factory with raw materials. Students who have completed two-year colleges or high schools, as well as those who are admitted based on special quotas, are the raw materials in this situation. They can use the computer system that can process and save the data to submit an application for admission.

2. Manufacturer

The manufacturer means vocational institution that generates graduates. It carries out the responsibility of transforming raw materials into the completed goods of qualified graduates. The vocational college will carry out its responsibility for evaluating and developing students. It is based on the idea that all supply chain tasks and activities can be broken down into four basic steps: plan, source, make, and deliver. These steps include hiring instructors and admitting students, developing curricula, providing learning activities for student growth, providing training for fieldwork experiences, evaluating learning outcomes, and reporting on the outcomes of curricula implementation.

3 Finished product
The Finished products mean graduated students from Open University.
4. Customers
Customers refer to the model's end-of-process element. They include the public or clients. Lastly, the graduates are happy with the service and supply chain's added value for clients.
5.Satisfaction
Satisfaction is defined as the results of the survey.
6. Return
Return mean the data obtained from satisfaction. [1],[2],[3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13],[14],[15],[16],[17],[18],[19],[20],[21],[22],[23],[24],[25],[26],[27]

Table 1: Results for evaluation of a simulation in digital for distance education management in Thai supply chain

No	Evaluation Lists	$\overline{X}$	S.D.	Suitability
1	Main elements	3.66	0.61	High
2	Suppliers	3.67	0.99	High
3	Manufacturer	3.67	0.76	High
4	Finished product	3.60	0.84	High
5	Customers	3.60	0.51	High
6	Satisfaction	3.60	0.84	High
7	Return	3.70	0.48	High
	Total	3.64	0.71	High

From a table 1, The experts found that digital model for distance education management in Thai supply chain is highly appropriate ($\overline{X}$ = 3.64, S.D. = 0.71).

5. Conclusion

Digital model for distance education management in Thai supply chain is appropriate at the high level development The rating mean of 3.64 and standard deviation of 0.71, which means that digital model for distance education management in Thai supply chain could be applied in support the tasks.

6. Discussion

Digital model for distance education management in Thai supply chain is considered to be high appropriate The rating mean of 3.64 and standard deviation of 0.71 and the design was corresponds to the research of Chansamut and Piriyasurawong has studied supply chain and information system about educational [1] Then again, with the study of chansamut suggesting that supply chain and information system . [2],[3],[4],[5],[6]

7. Recommendation

Development of a simulation in digital for distance education management in Thai supply chain is considered to be high appropriate if possible it should be case studies of high school that implement a simulation and efficiently.

Reference

[1] Chansamut, A., Piriyasurawong., P. Conceptual Framework of Supply Chain Management Information System for Curriculum Management Based on Thailand Qualifications Framework for Higher Education. International Journal of Managing Value and Supply Chains (IJMVSC) . Vol 5 No 4 , 33-45. 2014

[2] Chansamut, A Supply Chain operation Model in Digital for Curriculum Management Based on Thailand Qualifications Framework for Higher Education. International Journal of Supply Chain Management (IJSCM). Vol 10 No 4 , 71-75. 2021.

[3] Chansamut, A An Information System Model for Educational Management in Supply Chain According to Career standards on Thailand Qualifications Framework for Vocational Education International Journal of Supply Chain Management (IJSCM). Vol 10 No 4 , 51-55. 2021.

[4] Chansamut, A Synthesis conceptual framework of Supply Chain Business Intelligence for Educational Management in Thai Higher Education Institutions International Journal of Supply Chain Management (IJSCM). Vol 10 No 5 , 25-31. 2021.

[5] Chansamut, A Supply Chain Business Intelligence Model for Quality Assurance in Educational Management for ASEAN University Network Quality Assurance International Journal of Supply Chain Management (IJSCM). Vol 10 No 5 , 40-49. 2021.

[6] Chansamut,. A. ICT System in Supply Chain Management for Research in Higher Education Institute.University of the Thai Chamber of Commerce journal humanities and social sciences. Vol 36 No 2, 112-121. 2016.

[7] Chansamut,. A, Developing Software Patterns in Thai Supply Chain. International Journal of Supply Chain Management (IJSCM). Vol 11 No 3 , 27-31. 2022.

[8] Chansamut,. A, Supply Chain Model for Curriculum Management Based on Thailand Qualifications Framework for Higher Education with the Internet of Things. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 41-47. 2022.

[9] Chansamut,. A, A Digital Service Supply Chain Model for ASEAN University Network Quality Assurance at Institutional Level. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 60-67. 2022.

[10] Chansamut,. A, The Service Agile Supply Chain Information System Model for ASEAN University Network Quality Assurance at Institution Level. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 68-75. 2022.

[11] Chansamut,. A, A Geographic Information System Model for Educational Management for Higher in Thai Supply Chain . International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 82-85. 2022.

[12] Chansamut,. A, An Information System Model in Healthcare Supply Chain and Logistics in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 99-103. 2022.

[13] Chansamut,. A, Supply Chain Management Information Systems Model for Educational Management for ASEAN University Network Quality Assurance at Institution Level. International Journal of Supply Chain Management(IJSCM). Vol 11 No 3 , 104-112. 2022.

[14] Chansamut,. A, Supply Chain in Digital Operation Model for Student Loan Fund Management for Higher Education in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 17-20. 2022.

[15] Chansamut,. A, Supply Chain in Digital Operation Model for Student Loan Fund Management for Higher Education in Thailand. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 17-20. 2022.

[16] Chansamut,. A, Supply Chain Pattern in Digital for Research Management for ASEAN University Network Quality Assurance. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 38-49. 2022.

[17] Chansamut,. A, Supply Chain Model in Digital for Construction Management in Higher Education Institute. International Journal of Supply Chain Management(IJSCM). Vol 11 No 2 , 58-75. 2022.

[18] Chansamut,. A, The develop of Life Cycle Assessment information system model for Environmental Management in Thailand. Maejo information Technology and Innovation journal(MITIJ) Vol 6 No 2, 1-8. 2020.

[19] Chansamut,. A, Supply Chain Business Intelligence Model for Quality Assurance in Educational Management for ASEAN University Network Quality Assurance. International Journal of Supply Chain Management(IJSCM). Vol 10, No 25, 40-49. 2021.

[20] Chansamut,. A, The Development of Patterns Software for Educational Management on Cloud Computing in Supply Chain for ASEAN University Network Quality Assurance. International Journal of Supply Chain Management(IJSCM). Vol 10 No 6 , 25-32. 2021.

[21] Chansamut,. A, An Information System Model for Curriculum Management According to Career Standards in Supply Chain for Thailand Professional Qualification Institute. Maejo information Technology and Innovation journal (MITIJ) Vol 10 No 6 , 54-62. 2017.

[22] Chansamut,. A, Using Google Application model for office : Case study Dean office Faculty of home Economic Technology Rajamangala university of Technology Krungthep. Maejo information Technology and Innovation journal (MITIJ)

[23] Chansamut,. A, Digital Supply Chain Model for Higher Certificate Management in Thailand International Journal of Supply Chain Management(IJSCM). Vol 10 No 4 , 76-79. 2022.

[24] Chansamut,. A, The Development of Pattern for Supply Chain in Digital for Manpower Management in Higher Education Institutions International Journal of Supply Chain Management(IJSCM). Vol 10 No 4 , 88-92. 2022.

[25] Chansamut,. A, Development of Pattern for Supply Chain in Digital for Agricultural Management in a Large Plots in Thailand International Journal of Supply Chain Management(IJSCM). Vol 10 No 4 , 110-112. 2022.

[26] Chansamut,. A, Supply Chain Operation Model in Digital for Service Management in the Library in Thailand International Journal of Supply Chain Management(IJSCM). Vol 10 No 4 , 124-128. 2022.

[27] Wikbooks.2009. Megauniversity., Sukhothai Thammathirat Open University (Thai) available at https://en.wikibooks.org/wiki/Megauniversity/Sukhothan_Thammathirat_Open_University_(Thai)