26

Int. J Sup. Chain. Mgt   Vol.11, No. 6, December 2022

Digital Model for Distance Education Management in Thai Supply Chain

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Abstract— **The purposes of this 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

Open University Thailand will have served the Thai people for 30 years as an institute of higher learning that employs open and distance education system. Since the university's founding, the global trend toward lifelong learning, which depends on the support of electronic media and modern telecommunications has been recognized. These developments have created great opportunities for open University to transmit knowledge to the people. The university has therefore organized educational programs integrating a wide range of media, including printed media, radio and television programs, and electronic media with the aim of building the knowledge - based society in Thailand. An open University will dedicate itself to the aim of elevating Thailand into a knowledge-based society, utilizing the technology of the global era and serving the people under the slogan "Anytime, anywhere - everyone can learn with open University. Meanwhile Education system in Thailand is provided mainly by the government through the Thai Ministry of Education. Education is divided into two major levels with 6 years of elementary/primary school and 6 years of high/secondary school. After 2001, the Ministry changed the system of education, and it is now divided into four levels: the first three years in elementary school is the first level, the second level is the other half, the third level is the first three years in high school, and the last is the other half of high school. After each level, students are required

to pass the NET (National Educational Test) to graduate.[27] So An application of the concept of supply chain management and digital are applied to distance educational system . It will be optional because the business needs to be highly competitive due to increasingly high competitions from both within and outside the country. In order to be highly competitive, organizations in the sector need to have personnel with knowledge, ability and skills who can work efficiently to increase output . The organizations, therefore, need to have sufficient digital and resources to increase their values and respond to the demand of their clients. Thus, the supply chain management process is a key process to support the organization's whole activities system from upstream to downstream. It enables the organization to promptly check the information system to ensure that the organization operates smoothly and effectively based on the determined strategies. [1] Based on realization, researcher has decided develop and evaluate digital model for distance education management in Thai supply chain for application to increase satisfaction for consumers.

2. Related work

Chansamut (2021) said that Supply chain operation model in digital for curriculum management base on Thailand qualification framework for higher education is composed of 7 main elements: 1) Raw materials 2) Suppliers 3) University 4) Finished product   5) customer   6) Satisfaction 7) Feedback. The objective of this research was to develop and evaluate the supply chain operation model in digital for curriculum management base on Thailand qualification framework for higher education. The sample are 15 experts selected by purposive sampling. The data is analyzed by means and standardized deviations. The measurement and the evaluation of information system are based on Black-Box Testing, which is the test of total system function in order to see whether the working procedures are correct and in compliant with the desired objectives or not. The 15 experts, after evaluating the model, agreed that supply chain

operation model in digital for curriculum management base on Thailand qualification framework for higher education was appropriate in a good level.

Chansamut (2022) said that A Digital Service Supply Chain Model for ASEAN University Network Quality Assurance at Institutional Level.

The research about a service supply chain model in digital for ASEAN University Network Quality Assurance at institution level. The objectives of research to design and to assess the suitability of a service supply chain model in digital for ASEAN University Network Quality Assurance at institution level. The sample group consisted of fifteen experts in the field of information system ,supply chain and research. The data is analyzed by means and standardized deviations statistically. The research result shows that a service supply chain model in digital for ASEAN University Network Quality Assurance at institution level. is consisted of 8 key elements which are 1) main elements 2) suppliers /services 3) university 4) customers 5)consumer 6 Satisfaction 7 Feedback. The results from fifteen expert a service supply chain model in digital for ASEAN University Network Quality Assurance at institution level. was a high level which mean that It could be used to service digital quality assurance for ASEAN University Network Quality Assurance.

Digital system in supply chain is an one of the components of supply chain that can offer both improved performance It enables curriculum to maintain key information in an accessible format and helps to take operational and planning decisions. The adoption and successful implementation of software and network technology contribute in a large way for the supply chain success facilitating the flow of information and enhancing the efficiency of supply chain activities.

Digital model for distance education management in Thai supply chain consists of seven elements namely main elements, Suppliers, Manufacturer, ,finished product ,Customers, satisfaction and Return . All comprehensive view of the sub-component in terms and data flows in supply chain for order to meet its major challenge, and which is ensuring continuity between the data flow to optimize curriculum supply

3. Research Methodology

3.1 Studies the document about development of digital model for distance education management in Thai supply chain

3.2. Design evaluate digital model for distance education management in Thai supply chain

3.3 Identification of ten experts for evaluation of digital model for distance education management in Thai supply chain

3.4. Create questionnaire for digital model for distance education management in Thai supply chain

3.5 Present the designed digital model for distance education management in Thai supply chain to the ten experts consisted of five experts on supply chain, 2 experts on digital 3 experts on curriculum

3.6 Analyze the results of evaluation of digital model for distance education management in Thai supply chain by mean and standard deviation consisting of 5 criteria for evaluation according to the idea of Likert scale.

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:
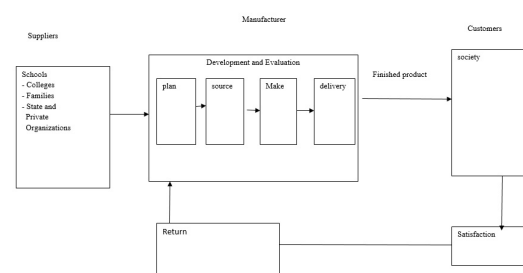

Figure 1: Digital model for distance education management in Thai supply chain

Explanation on Components **of** Digital model for distance education management in Thai supply chain
1.Suppliers
Suppliers mean the organizations that supply raw materials to the manufacturer. Raw materials in this case are students who graduated from high schools or two-year colleges, or students who receive special quotas for admission. They can apply for admission via the computer system that can process and store the data.
2. Manufacturer
The manufacturer means vocational college that produces graduated students. It performs the duty to transform raw materials into the finished products of qualified graduated students. The vocational college will perform its duty of student development and assessment .It is based on the

28

Int. J Sup. Chain. Mgt   Vol.11, No. 6, December 2022

consideration that all supply chain tasks and activities can be assigned to four fundamental processes - plan, source, make, deliver of each activity, namely. recruitment of instructors and admission of students, curriculum planning, curriculum development, provision of learning activities for student development, provision of fieldwork experience training, evaluation of learning outcomes, and reporting of curriculum implementation results.

3 Finished product

The Finished products mean graduated students from Open University.

4. Customers

Customers mean the end-of-process component of the model . They include the society or customers. Finally, The graduated students are satisfied with service and added value for customers with supply chain.

5.Satisfaction

  Satisfaction mean the data from the questionnaire.

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 ($\overline{X}$ = 3.64, S.D. = 0.71), and the design was corresponds to the research of Chansamut and Piriyasurawong has studied supply chain and information system about educational [1] In addition, with the study of chansamut suggesting that supply chain and information system . [2],[3],[4],[5],[6]

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.

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29

Int. J Sup. Chain. Mgt   Vol.11, No. 6, December 2022

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30

Int. J Sup. Chain. Mgt   Vol.11, No. 6, December 2022

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