Supply Chain Pattern in Digital for Government Pension Fund Management in Thailand

Artaphon Chansamut

Office of Dean, Faculty of Home Economic Technology, Rajamangala University of Technology Krungthep, Bangkok, Thailand

artaphon.c@mail.rmutk.ac.th

***Abstract*—The paper was conducted to develop and evaluate supply chain pattern in digital for government pension fund management in Thailand. samples group in the research study consisted of ten purposively selected experts consisted of five experts on supply chain management, five experts on digital, Data were analysed by arithmetic mean and standard deviation. The paper findings pattern seven elements namely main components, Suppliers ,Manager , distributors, customers, consumers, satisfaction, feedback . The assessment supply chain pattern in digital for government pension management in Thailand using Black-Box technique and The results from experts agreement supply chain pattern in digital for government pension fund management in Thailand was a high level and can be applie in support the tasks.**

***Keywords*—** *Supply chain pattern in digital, government pension fund management, Thailand*

1. Introduction

In order to supplement retired residents' pension income from government-managed pension plans, private pension funds, also known as pension funds, are a vital component of the Thai economy.. [14] The pension funds' goals include encouraging regular contributions among members, offering welfare programs and other benefits to members, and assuring government employees that their gratuity and pension would be paid after their official employment ends. hence, pension funds are required to Thailand's pension system review offers a thorough study of the current retirement provision system..[15] the concept of supply chain management digital system is connected to pension 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 arrange to be highly competitive, organizations in the sector need to have personnel with knowledge, ability and aptitudes who can work effectively to extend yield . The organizations, therefore, need to have sufficient information and resources to increase their values and react to the request of their clients. In this way, the supply chain administration handle could be a key prepare to back the organization's entirety exercises framework from upstream to downstream. It empowers the organization to instantly check the data framework to guarantee that the organization works easily .[1]It is therefore necessary to develop model with the application of supply chain pattern in digital for government pension fund management in Thailand for application to increase satisfaction for consumers.

2. Literature review

Supply chain and information is an one of the components of supply chain that can offer both progressed execution It empowers annuity finance to preserve key data in an accessible format and makes a difference to require operational and arranging choices. 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.

Supply chain is the dynamic management of supply chain activities to maximize customer value and achieve a sustainable competitive advantage. It represents a conscious effort by the supply chain cooperative to develop and run supply chains in the most effective & efficient ways possible. Supply chain activities cover everything from product development, sourcing, production, and logistics, as well as the information systems needed to coordinate all activities.

Supply chain management information system model for government pension fund management in Thailand consists of four elements namely main Suppliers, Government agency, Wholesalers, Customer All comprehensive view of the sub-component in terms and information flows in supply chain for order to meet its major challenge, and which is ensuring continuity between the salary and the pension to optimize the retirement pension supply.[17]

Chansamut [12] said that the article, relationship between information and supply chain according to Asian university network quality assurance at programme level AUN-QA at programme level) importance for applying in actual work settings. Based on findings from literature review, the researcher found a large number of papers and articles in supply chain. The relationship between information and supply is a key process to support the education whole activities system from upstream suppliers to downstream consumers. It enables the organization to promptly check the supply chain and information technology to ensure that the organization operates smoothly and effectively based on the determined strategies. The process consisted of suppliers, manufacturer customers, including 11 activities in the supply chain namely, 1) Expected Learning Outcomes, 2) Programme Specification, 3) Programme Structure and Content, 4) Teaching and Learning Strategy, 5) Student Assessment, 6) Academic Staff Quality, 7) Support Staff Quality, 8) Student Quality and Support, 9) Facilities and Infrastructure, 10) Quality Enhancement, and 11) Output. All activities are connected with information communication technology in the educational institute according to asana university network quality assurance at programme level (AUN-QA at programme Level) start from the creation of information, news and resources to apply together to move the goods from the supplier to the customer, resulting in a rapid flow of information and effectively. This truly added the educational institute value as the production satisfactory for the consumers.

3. Research Methodology

3.1 Study the texts about supply chain pattern in digital for government pension fund management in Thailand

3.2. Develop supply chain pattern in digital for government pension fund management in Thailand

3.3 Introduce the pattern to the experts for consideration and revision.

3.4. Create the questionnaire for the experts to assess the appropriateness of the pattern.

3.6 Show the designed pattern to the ten experts consisted of five experts on supply chain management, 5 experts on technology digital.

3.7 Supply chain pattern in digital for government pension fund management in Thailand is modified according to the experts' proposals.

3.8 Analyze the out data by using appropriateness measurement scale based on 5-point Likert Scale.

4. Research Findings

Research Findings about supply chain pattern in digital for government pension fund management in Thailand are shown in Figure 1.

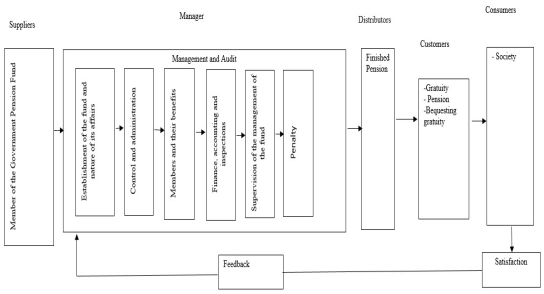

Figure 1: Supply chain pattern in digital for government pension fund management in Thailand

The rule about pattern in digital for government pension fund management in Thailand

1.Suppliers

Suppliers mean the member of the government pension fund that send the money into the fund. They send for by means of the computer framework that can prepare and store data

2. Manager

The Manager mean an inspector all the activities of the government pension fund The government pension fund will perform its duty management and audit in each activity, namely, Establishment of the fund and nature of its affairs, Control and administration, Members and their benefits, Finance, accounting and inspections, Supervision of the management of the fund , Penalty.

3 Distributors

Distributors is a pension payer from government pension fund.

4. Customers

Customers mean the member of the government into the support and the Finance will instalment the cash to a part who gets a benefits..

5.Consumers

The consumers mean the end-of-process component of the design. They incorporate the society in common or government benefits finance. At last, the conclusion annuity will give included esteem to the supply chain.

6.Satisfaction

Satisfaction refer to an pension received. and the evaluation of satisfaction in the services with the customers.

7. Feedback

Feedback is the information obtained from satisfaction analysis.[1],[2],[3][4],[5],[6],[7],[8],[9],[10], [11],[12] and [16].

Table 1: Results for evaluation supply chain pattern in digital for government pension fund management in Thailand

No	Evaluation Lists	$\overline{X}$	S.D.	Suitability
1	Main components	3.67	0.62	High
2	Suppliers	3.60	0.84	High
3	Manager	3.70	0.48	High
4	Distributors	3.80	0.42	High
5	Customers	3.66	0.66	High
6	Consumers	3.70	0.67	High
7	Satisfaction	3.70	0.48	High
8	Feedback	3.60	1.07	High
	Total	3.68	0.65	High

Following Table 1, Supply chain pattern in digital for government pension fund management in Thailand is rated as absolutely appropriate in overall ($\overline{X}$ = 3.68) Also, its main elements , sub-elements of the Suppliers, sub- elements of Manager, sub- of the Distributors, sub- elements of the Customers, sub- elements of the Consumers, sub- elements of the Satisfaction, sub- elements of the Feedback elements are high appropriate, with rating means of 3.67, 3.60,3.70,3.80,3.66,3.70,3.60 respectively.

5. Conclusion

According to evaluation by the experts, it is found that supply chain pattern in digital for government pension fund management in Thailand is appropriate at the high level development The rating mean of 3.68 and standard deviation of 0.65 and can be applie in support the tasks.

6. Discussion

According to evaluation by the experts, it is found that supply chain pattern in digital for government pension fund management in Thailand is considered to be high appropriate ($\overline{X}$ = 3.68, S.D. = 0.65), and the design was corresponds to the research of Chansamut and Piriyasurawong has studied supply chain and information system about educational [1] who found that Conceptual Framework of Supply Chain Management Information System for Curriculum Management Based on Thailand Qualifications Framework for Higher Education comprises four main components, namely, Suppliers, University (Manufacturer), Education Customers, and Consumer,inculding It complies to the research of Chansamut and Piriyasurawong [2] who found that Supply Chain Management Information System for Curriculum Management Based on the National Qualification s Framework for Higher Education can be applied to support the tasks. In addition, with the study of chansamut also. [3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13].

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., Piriyasurawong., P. Supply Chain Management Information System for Curriculum Management Based on the National Qualification s Framework for Higher Education. International Journal of Supply and Operations Management (IJSOM). Vol 6 Issue 1,88- 93,2019.

[3] 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.

[4] 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.

[5] 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.

[6] 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.

[7] 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.

[8] Chansamut,. A.2022. supply chain operation model in digital for service management in the library in Thailand Available at http://ojs.excelingtech. co.uk/index.php/IJSCM/index.

[9] Chansamut,. A, Developing Software Patterns in Thai Supply Chain. International Journal of Supply Chain Management (IJSCM). Vol 11 No 3 , 27-31. 2022.
[10] 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.
[11] 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.
[12] 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).
[13] Chansamut, A supply chain management information system model for quality assurance in educational management for ASEAN University Network Quality Assurance (AUN- QA) International Journal of Research in Industrial EngineeringVol 10 Issue 54, 307-317. 2021
[14] Medeiros Teixeira, B.D., Macagnan, C.B., Simon, D.S., Vancin, D.F.2020. Pension funds and governance: The effect of government sponsorship. Corporate Ownership & Contro. Vol 17 Issue 4, 142-151. 2020.
[15] Needham,S.2022. Reform needed for Thailand's pension system ,not new schemes. available at https://www.ilo.org/asia/media-centre/news/WCMS_836739/lang--en/index.htm.
[16] Silpa-archa,B.1996. Government pension fund act B.E.2539. available at https://www.gpf.or.th/download /act_eng.pdf.
[17] Mezouar, H., Afia, A.EI.2018. A Retirement Pension from a Supply Chain Side: Case of the Moroccan Retirement Pension available at https://www.researchgate. net/publication /321019195_A_Retirement_ Pension _from_a_Supply_ Chain_Side_Case _of_the_Moroccan_Retirement_Pension